FID	Unit_Name	Rock_Unit	Sample_No	Longitude	Latitude	Quad_1_Deg	Quad_24k	Method	Mineral	Age_Ma	Age_Uncert	Age_Report	Reference	Comments
0	Pegmatite	Brown Derby Mine	Brown Derby Mine	-106.6272848	38.541476	Gunnison	Parlin	K/Ar	Lepidolite	1352	53	1460 ± 58	Aldrich and others (1956)	Location approximate. Some microlite in sample.
1	Pegmatite	Brown Derby Mine	Brown Derby Mine	-106.6272848	38.541476	Gunnison	Parlin	K/Ar	Lepidolite	1295	53	1400 ± 56	Aldrich and others (1956)	Location approximate.
2	Pegmatite	Brown Derby Mine	Brown Derby Mine	-106.6272848	38.541476	Gunnison	Parlin	K/Ar	Lepidolite	1276	53	1380 ± 55	Aldrich and others (1956)	Location approximate.
3	Pegmatite	Brown Derby Mine	Brown Derby Mine	-106.6272848	38.541476	Gunnison	Parlin	K/Ar	Lepidolite	1314	53	1420 ± 57	Aldrich and others (1956)	Location approximate.
4	Granite	Henry Mountain pluton	Granite A	-106.6503676	38.540941	Gunnison	Parlin	U-Pb	Zircon	1530	140	1540 ± 140	Aldrich and others (1956)	Henry Mountain Granite of DeWitt and others (2002); 207Pb/206Pb date. Apparently same site as B-81-70 of Bickford, Shuster, and Boardman (1989).
5	Granite	Henry Mountain pluton	Granite B	-106.636882	38.464912	Gunnison	Doyleville	K/Ar	Biotite	1276	53	1380 ± 55	Aldrich and others (1956)	Location approximate.
6	Granite	Henry Mountain pluton	Granite B	-106.636882	38.464912	Gunnison	Doyleville	K/Ar	K-feldspar	954	39	1040 ± 42	Aldrich and others (1956)	Location approximate.
7	Granite	Henry Mountain pluton	Granite B	-106.636882	38.464912	Gunnison	Doyleville	U-Pb	Zircon	1690	60	1700 ± 60	Aldrich and others (1956)	207Pb/206Pb age. Location approximate.
8	Gneiss	Quartz Creek Granite	Quartz Creek	-106.6503676	38.540941	Saguache	Houston Gulch	K/Ar	Biotite	1292	60	1280	Aldrich and others (1958)	Age recalculated by Shaw and others (2005).
9	Granite	Pikes Peak pluton	Top of Pikes Peak	-105.0430556	38.84	Pikes Peak	Pikes Peak	K/Ar	Biotite	989	Not report	980	Aldrich and others (1958)	Pikes Peak granite. Biotite partially chloritized.
10	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833238	38.348569	Canon City	Iron Mountain	K/Ar	Hornblende	520	2.5	519.5	Alexander and others (1978)	Location approximate.
11	Granodiotite	Kroenke Granodiorite;	BF 176	-106.3333333	38.904444	Gunnison	Mount Harvard	U-Pb	Sphene	1665	5	1,665	Fridrich and others (1998)	Map gives age as 1,665 but Reed and others (1987) give it as 1404 Ma. Likely that the 1,665 Ma date is for zircons and Table 1 of the map incorrectly lists the mineral analyzed as sphene.
12	Quartz syenite	Alkaline complex of Democrat Creek		-105.3663889	38.269167	Canon City	Curley Peak	Rb-Sr	Whole-rock	511	8	511	Armbrustmacher and Hedge (1982)	Isochron age. Sample locations not given; coordinates mark approximate center of mapped complex for plotting purposes.
13	Syenite	McClure Mountain alkaline complex		-105.4661111	38.337778	Canon City	Iron Mountain	Rb-Sr	Whole-rock	535	5	535	Armbrustmacher and Hedge (1982)	Isochron. Samples include nepheline syenite and hornblende-biotite syenite. Locations not given; coordinates mark approximate center of mapped complex for plotting purposes.
14	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4834752	38.348569	Canon City	Iron Mountain	K/Ar	Hornblende	524	4	524.2	Baadsgaard and others (1988)	Location approximate.
15	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833222	38.348331	Canon City	Iron Mountain	K/Ar	Hornblende	514	3.3	514.5	Baksi and others (1996)	Location approximate.
16	Vein material	Sweet Home Mine	SH-2	-106.1152778	39.3125	Leadville	Alma	40Ar/39Ar	Sericite	25.5	0.1	25.5	Barbá and others (2005)	Plateau age. Location approximate; estimated from description.
17	Vein material	Sweet Home Mine	SH-3	-106.1152778	39.3125	Leadville	Alma	40Ar/39Ar	Sericite	26.1	0.1	26.1	Barbá and others (2005)	Plateau age. Location approximate; estimated from description.
18	Vein material	Sweet Home Mine	SH-4/#1	-106.1152778	39.3125	Leadville	Alma	40Ar/39Ar	K-feldspar	25.1	0.2	25.1	Barbá and others (2005)	Weighted average of lowest Cl/K fractions. Integrated [=K-Ar] age is 108.0 ± 0.8. Location approximate; estimated from description.
19	Vein material	Sweet Home Mine	SH-4/#2	-106.1152778	39.3125	Leadville	Alma	40Ar/39Ar	K-feldspar	25	0.4	25	Barbá and others (2005)	Weighted average of lowest Cl/K fractions. Integrated [=K-Ar] age is 82.5 ± 1.3. Location approximate; estimated from description.
20	Vein material	Sweet Home Mine	SH-4/#3	-106.1152778	39.3125	Leadville	Alma	40Ar/39Ar	K-feldspar	26.3	0.6	26.3	Barbá and others (2005)	Weighted average of lowest Cl/K fractions. Integrated [=K-Ar] age is 68.9 ± 0.5. Location approximate; estimated from description.
21	Granodiorite	Kroenke Granodiorite	BF-176a	-106.3308333	38.902778	Gunnison	Mount Harvard	Rb-Sr	Whole-rock	1670	100	1700	Barker and others (1974)	Isochron based on 6 samples. (Sample 1 of 6) Recalculated date in DeWitt and others (2002).
22	Granodiorite	Kroenke Granodiorite	BF-301	-106.4133333	38.941389	Gunnison	Winfield	Rb-Sr	Whole-rock	1670	100	1700	Barker and others (1974)	Isochron based on 6 samples. (Sample 2 of 6) Recalculated date in DeWitt and others (2002). Location approximate.
23	Granodiorite	Kroenke Granodiorite	BF-302	-106.3370639	38.86082	Gunnison	Mount Yale	Rb-Sr	Whole-rock	1670	100	1700	Barker and others (1974)	Isochron based on 6 samples. (Sample 3 of 6) Recalculated date in DeWitt and others (2002). Location approximate.
24	Granodiorite	Kroenke Granodiorite	BF-303	-106.2864076	38.876127	Gunnison	Mount Yale	Rb-Sr	Whole-rock	1670	100	1700	Barker and others (1974)	Isochron based on 6 samples. (Sample 4 of 6) Recalculated date in DeWitt and others (2002). Location approximate.
25	Granodiorite	Kroenke Granodiorite	BF-304	-106.3572222	38.916389	Gunnison	Mount Harvard	Rb-Sr	Whole-rock	1670	100	1700	Barker and others (1974)	Isochron based on 6 samples. (Sample 5 of 6) Recalculated date in DeWitt and others (2002). Location approximate.
26	Granodiorite	Kroenke Granodiorite	BF-305	-106.2691667	38.949167	Gunnison	Mount Harvard	Rb-Sr	Whole-rock	1670	100	1700	Barker and others (1974)	Isochron based on 6 samples. (Sample 6 of 6) Recalculated date in DeWitt and others (2002). Location approximate.
27	Trondhjemite	Palisade Mountain plug	50	-105.3158	40.4333	Estes Park	Drake	U-Pb	Zircon	1726	15		Barovich (1986)	This unpublished age is a common reference in published papers. Date of Palisade Mountain plug puts maximum age on latest stages of Early Proterozoic deformation.
28	Granodiorite	Pando Porphyry	C-12	-106.2583333	39.298611	Leadville	Leadville North	FT	Zircon	61.1	6.3	61.1	Beaty and others (1987)	
29	Granodiorite	Pando Porphyry	T-1	-106.2977778	39.335833	Leadville	Leadville North	FT	Zircon	67.7	7.7	67.7	Beaty and others (1987)	
30	Granodiorite	Pando Porphyry	T-1	-106.2977778	39.335833	Leadville	Leadville North	FT	Apatite	72.7	24	72.7	Beaty and others (1987)	
31	Granodiorite porphyry	Lincoln Porphyry	T-2	-106.289971	39.370715	Leadville	Leadville North	FT	Apatite	56.4	11.1	56.4	Beaty and others (1987)	
32	Granodiorite porphyry	Lincoln Porphyry	T-3	-106.2505	39.3211	Leadville	Leadville North	FT	Zircon	38.7	4	38.7	Beaty and others (1987)	
33	Granodiorite porphyry	Lincoln Porphyry	T-3	-106.2505	39.3211	Leadville	Leadville North	FT	Apatite	42.1	6.8	42.1	Beaty and others (1987)	
34	Granodiorite porphyry	Lincoln Porphyry	T-38	-106.2358333	39.378889	Leadville	Pando	FT	Apatite	34.9	7.1	34.9	Beaty and others (1987)	
35	Granodiorite porphyry	Lincoln Porphyry	T-38	-106.2358333	39.378889	Leadville	Pando	FT	Zircon	42.1	4.3	42.1	Beaty and others (1987)	
36	Porphyry	Sacramento porphyry	T-39	-106.2091667	39.3325	Leadville	Leadville North	FT	Apatite	45.2	19	45.2	Beaty and others (1987)	
37	Porphyry	Sacramento porphyry	T-39	-106.2091667	39.3325	Leadville	Leadville North	FT	Zircon	53.6	6	53.6	Beaty and others (1987)	
38	Granodiorite	Pando Porphyry	T-4	-106.3498283	39.488048	Leadville	Pando	FT	Apatite	48.6	26	48.6	Beaty and others (1987)	
39	Granodiorite	Pando Porphyry	T-4	-106.3498288	39.48807	Leadville	Pando	FT	Zircon	53.2	6.2	53.2	Beaty and others (1987)	
40	Granodiorite porphyry	Lincoln Porphyry	T-40	-106.2641	39.3908	Leadville	Pando	FT	Zircon	39.9	3.6	39.9	Beaty and others (1987)	
41	Granodiorite porphyry	Lincoln Porphyry	T-40	-106.2641	39.3908	Leadville	Pando	FT	Apatite	40.7	7.5	40.7	Beaty and others (1987)	
42	Granodiorite porphyry	Lincoln Porphyry	T-40	-106.2532	39.3324	Leadville	Pando	FT	Spene	43.7	6.6	43.7	Beaty and others (1987)	
43	Porphyry	Eagle River Porphyry	T-41	-106.3078714	39.382019	Leadville	Pando	FT	Zircon	52.9	4.8	52.9	Beaty and others (1987)	
44	Porphyry	Eagle River Porphyry	T-41	-106.3077792	39.38202	Leadville	Pando	FT	Apatite	54.5	17	54.5	Beaty and others (1987)	
45	Granodiorite porphyry	Lincoln Porphyry	T-42	-106.2716667	39.345833	Leadville	Leadville North	FT	Apatite	42	7.6	42	Beaty and others (1987)	
46	Granodiorite porphyry	Lincoln Porphyry	T-42	-106.2641	39.3908	Leadville	Leadville North	FT	Zircon	43.3	4.2	43.3	Beaty and others (1987)	
47	Granodiorite porphyry	Lincoln Porphyry	T-42	-106.2716667	39.345833	Leadville	Leadville North	FT	Sphene	49.3	8	49.3	Beaty and others (1987)	
48	Syenodiorite	unamed stock near Buckeye Lake	T-43	-106.2505	39.3211	Leadville	Leadville North	FT	Apatite	44.2	13	44.2	Beaty and others (1987)	
49	Syenodiorite	unamed stock near Buckeye Lake	T-43	-106.2533333	39.3325	Leadville	Leadville North	FT	Zircon	48.4	4.9	48.4	Beaty and others (1987)	
50	Syenodiorite	unamed stock near Buckeye Lake	T-43	-106.2533333	39.3325	Leadville	Leadville North	FT	Sphene	64.7	18	64.7	Beaty and others (1987)	
51	Granodiorite porphyry	Lincoln Porphyry	T-44	-106.2497222	39.321111	Leadville	Leadville North	FT	Apatite	48.3	17	48.3	Beaty and others (1987)	
52	Granodiorite porphyry	Lincoln Porphyry	T-44	-106.2497222	39.321111	Leadville	Leadville North	FT	Zircon	73.6	8.2	73.6	Beaty and others (1987)	
53	Granodiorite porphyry	Lincoln Porphyry	T-5	-106.2717	39.3458	Leadville	Leadville North	FT	Zircon	39.5	4	39.5	Beaty and others (1987)	
54	Granodiorite	Pando Porphyry	T-6	-106.2886111	39.309722	Leadville	Leadville North	FT	Zircon	60.6	6.8	60.6	Beaty and others (1987)	
55	Granodiorite	Pando Porphyry	T-7	-106.2825	39.3025	Leadville	Leadville North	FT	Zircon	55.5	5.6	55.5	Beaty and others (1987)	
56	Granite	Granite of Williams Creek (and Bear Creek)	BC-1	-105.1772222	37.995556	Blanca Peak	Bear Creek	U-Pb	Zircon	1486	36	1486	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Probably considerable inherited zircons. Location approximate.
57	Monzogranite	Garell Peak batholith	CO-15	-105.6208333	38.391944	Canon City	Echo	U-Pb	Zircon	1666	22	1666	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location given in Reed and others (1987), Supplemental Data 8731.
58	Granite	McCoy Gulch stock	CO-7	-105.5794444	38.391389	Canon City	Echo	U-Pb	Zircon	1474	7	1474	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
59	Granite	McCoy Gulch stock	CO-9	-105.6733333	38.338333	Canon City	Cotopaxi	U-Pb	Zircon	1460	21	1460	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
60	Granite	San Isabel pluton	LDS-105	-105.0058344	38.080901	Canon City	Beulah	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample seven of nine.) Location approximate.
61	Granite	San Isabel pluton	LDS-36	-105.1005556	38.075278	Canon City	Saint Charles Peak	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample three of nine.) Location approximate.
62	Granite	San Isabel pluton	LDS-45	-105.0313889	38.068611	Canon City	Saint Charles Peak	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample five of nine.). Location approximate.
63	Granite	San Isabel pluton	LDS-67	-105.0722222	38.074167	Canon City	Saint Charles Peak	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample four of nine.) Location approximate.
64	Granite	San Isabel pluton	LDS-94	-105.0436111	38.076944	Canon City	Saint Charles Peak	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample six of nine.) Location approximate.
65	Leucogranite	Garell Peak batholith	MM-B	-105.6769444	38.473889	Canon City	Arkansas Mountain	U-Pb	Zircon	1663	4	1663	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
66	Charnockite	Mount Tyndall Charnockite	MT-2	-105.2852778	38.209167	Canon City	Mount Tyndall	U-Pb	Zircon	1694	10	1694	Bickford, Cullers, and others (1989)	Estimated age based on 207Pb/206Pb ages of four nearly concordant fractions. Could be time of either intrusion or metamorpism. Location approximate.
67	Granite	Granite of Bear Basin	MT-3	-105.2856858	38.172583	Canon City	Mount Tyndall	U-Pb	Zircon	1359	11	1359	Bickford, Cullers, and others (1989)	Concordia, upper intercept; lower intercept forced through 99 Ma. Location approximate.
68	Tonalite	Foliated tonalite of Mount Tyndall area	MT-8	-105.3625	38.180556	Canon City	Mount Tyndall	U-Pb	Zircon	1653	50	1653	Bickford, Cullers, and others (1989)	Concordia, upper intercept. May be metamorphic age. Location given in Reed and others (1987).
69	Tonalite	Tonalitic gneiss of Mount Tyndall area	MT-9A	-105.3511111	38.174444	Canon City	Mount Tyndall	U-Pb	Zircon	1622	5	1622	Bickford, Cullers, and others (1989)	Concordia, upper intercept; lower intercept forced through 99 Ma. May be metamorphic age. Location given in Reed and others (1987).
70	Megacrystic granite	Foliated megacrystic granite of Mount Tyndall area	MT-9B	-105.3625	38.180556	Canon City	Mount Tyndall	U-Pb	Zircon	1615	3	1615	Bickford, Cullers, and others (1989)	Concordia, upper intercept; lower intercept forced through 99Ma. Location given in Reed and others (1987).
71	Granite	Granitic sill in paragneiss	NOB-1	-105.1144444	38.129167	Canon City	Wetmore	U-Pb	Zircon	1441	82	1441	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
72	Granodiorite	Crampton Mountain pluton	RG-25	-105.4388889	38.475556	Canon City	McIntyre Hills	U-Pb	Zircon	1705	8	1705	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location given in Reed and others (1987), Supplemental Data 8731.
73	Granite	Twin Mountain pluton	RG-4	-105.3072222	38.516111	Pikes Peak	Rice Mountain [?]	U-Pb	Zircon	1706	5	1706	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
74	Granite	Oak Creek stock	RG-6	-105.2216505	38.311473	Canon City	Curley Peak	U-Pb	Zircon	1439	8	1439	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
75	Granite	Oak Creek stock	RV-1C	-105.2480556	38.312222	Canon City	Rockvale	U-Pb	Zircon	1442	7	1442	Bickford, Cullers, and others (1989)	Concordia, upper intercept; lower intercept forced through 99 Ma. Location approximate.
76	Granite	San Isabel pluton	SC-2	-105.0930556	38.061944	Canon City	Saint Charles Peak	U-Pb	Zircon	1362	7	1362	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Reported in Thomas and others (1984) as 1,362 ± 3 Ma. Location approximate.
77	Granite	San Isabel pluton	SD-2	-105.0311111	38.023611	Canon City	Saint Charles Peak	U-Pb	Zircon	1371	14	1371	Bickford, Cullers, and others (1989)	Concordia, upper intercept; lower intercept forced through 99 Ma. Reported in Thomas and others (1984) as 1,356 ± 2 Ma. Location approximate.
78	Granite	San Isabel pluton	TG-1	-105.0513889	38.02	Canon City	Saint Charles Peak	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample one of nine.) Location approximate.
79	Granite	San Isabel pluton	TG-17	-105.0616667	38.000833	Canon City	Saint Charles Peak	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample two of nine.) Location approximate.
80	Granite	San Isabel pluton	TG-70	-105.0555556	37.9925	Canon City	San Isabel	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample eight of nine.) Location approximate.
81	Granite	San Isabel pluton	TG-91	-105.0005556	37.948056	Canon City	San Isabel	Rb-Sr	Whole-rock	1345	34	1345	Bickford, Cullers, and others (1989)	Isochron based on nine samples. (Sample nine of nine.) Location approximate.
82	Syenite	McClure Mountain alkaline complex	VS-3	-105.4711111	38.358333	Canon City	Iron Mountain	U-Pb	Zircon	536	4	536	Bickford, Cullers, and others (1989)	Concordia, upper intercept; lower intercept forced through 0 Ma. Location approximate.
83	Granodiorite	Phantom Canyon batholith	VS-6	-105.1016667	38.5775	Pikes Peak	Phantom Canyon	U-Pb	Zircon	1665	5	1665	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
84	Granite	Twin Mountain pluton	VS-75	-105.3072222	38.516111	Pikes Peak	Rice Mountain [?]	U-Pb	Zircon	1703	7	1703	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
85	Granite	Granite of Cripple Creek, Elevenmile Canyon batholith	VS-8	-105.3675	38.819722	Pikes Peak	Wrights Reservoir	U-Pb	Zircon	1423	28	1423	Bickford, Cullers, and others (1989)	Concordia, upper intercept. Location approximate.
86	Granite	Granite of Cripple Creek, Elevenmile Canyon batholith	VS-9	-105.4630556	38.905556	Pikes Peak	Elevenmile Canyon	U-Pb	Zircon	1459	14	1459	Bickford, Cullers, and others (1989)	Concordia, upper intercept; lower intercept forced through 99 Ma. Location approximate.
87	Metarhyolite	Rhyolite of Iris Formation (of Afifi)	B-81-13	-106.7611111	38.430556	Saguache	Iris	U-Pb	Zircon	1740	8	1740	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987), Supplemental Data 8731.
88	Tonalite	Pluton of Gold Basin	B-81-24	-106.8461111	38.388889	Saguache	Iris	U-Pb	Zircon	1713	10	1713	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location approximate.
89	Granite	Granite of South Beaver Creek	B-81-40	-106.9861111	38.45	Saguache	Iris NW	U-Pb	Zircon	1721	7	1721	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987), Supplemental Data 8731.
90	Granite	Unamed granite	B-81-42	-106.9875	38.398611	Saguache	Iris NW	U-Pb	Zircon	1700	7	1700	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987), Supplemental Data 8731.
91	Metarhyolite	Rhyolite of Iris Formation (of Afifi)	B-81-43	-106.9819444	38.413889	Saguache	Iris NW	U-Pb	Zircon	1730	7	1730	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987), Supplemental Data 8731.
92	Granite	Granite of Tolvar Peak	B-81-59	-107.1013889	38.334722	Montrose	Powderhorn	U-Pb	Zircon	1757	10	1757	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1989), Supplemental Data 8731.
93	Metarhyolite	Rhyolite of Dubois	B-81-60	-107.0972222	38.319444	Montrose	Powderhorn	U-Pb	Zircon	1766	14	1766	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1989), Supplemental Data 8731.
94	Granite	Unamed granite	B-81-61	-107.1058333	38.253333	Montrose	Powderhorn	U-Pb	Zircon	1781	8	1781	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location approximate; estimated from Montrose 1:250,000 scale geologic map (Tweto and others, 1976).
95	Granite	Granite of Cochetopa Canyon	B-81-68	-106.7666667	38.333333	Saguache	Sawtooth Mountain	U-Pb	Zircon	1676	5	1676	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location approximate and reported in Reed and others (1987), Supplemental Data 8731.
96	Granite	Granite of Wood Gulch	B-81-70	-106.65	38.566667	Gunnison	Parlin	U-Pb	Zircon	1701	10	1701	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987); coordinates estimated from page-size location map.
97	Granite	Powderhorn Granite	B-81-71	-107.0416667	38.276389	Montrose	Powderhorn	U-Pb	Zircon	1751	6	1751	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1989), Supplemental Data 8731, where it is also identified as B-71 and AA-85-43.
98	Metarhyolite	Rhyolite of Dubois	B-81-82	-107.0413889	38.326389	Montrose	Powderhorn	U-Pb	Zircon	1759	6	1759	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1989), Supplemental Data 8731.
99	Metarhyolite	Rhyolite of Dubois	B-81-85	-107.1486111	38.343889	Montrose	Gateview	U-Pb	Zircon	1766	4	1766	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location approximate; estimated from Montrose 1:250,000 scale geologic map (Tweto and others, 1976).
100	Metarhyolite	Rhyolite of Dubois	B-82-2	-107.1058333	38.296389	Montrose	Powderhorn	U-Pb	Zircon	1770	4	1770	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location approximate; estimated from Montrose 1:250,000 scale geologic map (Tweto and others, 1976).
101	Metarhyolite	Rhyolite of Iris Formation (of Afifi)	B-83-1	-106.8083333	38.493056	Saguache	Iris	U-Pb	Zircon	1733	11	1733	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987), Supplemental Data 8731.
102	Metarhyolite	Ohio City volcanic succesion	B-85-1	-106.6333333	38.566667	Gunnison	Parlin	U-Pb	Zircon	1745	16	1745	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987); coordinates estimated from page-size location map.
103	Metarhyolite	Near Ohio City	QCF	-106.5630556	38.568889	Gunnison	Pitkin	U-Pb	Zircon	1770	8	1770	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept.
104	Metarhyolite	South of Salida	RC-HO-1	-105.9258863	38.414871	Canon City	Wellsville	U-Pb	Zircon	1668	18	1668	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location given in Reed and others (1987), Supplemental Data 8731.
105	Metarhyolite	South of Salida	RC-HO-2	-105.9013889	38.420833	Canon City	Wellsville	U-Pb	Zircon	1713	14	1713	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location given in Reed and others (1987), Supplemental Data 8731.
106	Metarhyolite	Rhyolite of Iris Formation (of Afifi)	SAB 79-12	-106.7597222	38.438889	Saguache	Iris	U-Pb	Zircon	1742	6	1742	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987), Supplemental Data 8731.
107	Granite	Henry Mountain pluton	SAL-1	-105.9805556	38.658333	Pikes Peak	Cameron Mountain	U-Pb	Zircon	1672	5	1672	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location given in Supplemental Data to Reed and others (1987); longitude corrected from 106° to the apparently correct 105°.
108	Metarhyolite	Unamed rhyolite (in Dubois basalt)	SOC-1	-107.0941667	38.348333	Montrose	Powderhorn	U-Pb	Zircon	1728	16	1728	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location approximate; estimated from Montrose 1:250,000 scale geologic map (Tweto and others, 1976).
109	Metarhyolite	Rhyolite of Dubois (?)	SOC-2	-107.1113889	38.253333	Montrose	Powderhorn	U-Pb	Zircon	1765	4	1765	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location approximate; estimated from Montrose 1:250,000 scale geologic map (Tweto and others, 1976).
110	Quartz diorite	Mafic pre-Beaver Creek pluton	T-81-10	-106.9944444	38.485278	Saguache	Iris NW	U-Pb	Zircon	1730	6	1730	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location reported in Reed and others (1987), Supplemental Data 8731.
111	Metadacite	Salida metavolcanics	Z-3	-105.9625	38.534722	Pikes Peak	Salida East	U-Pb	Zircon	1728	6	1728	Bickford, Shuster, and Boardman (1989)	Concordia, upper intercept. Location given in Supplemental Data to Reed and others (1987).
112	Granodiorite	Buckskin Gulch granodiorite	17	-106.1166667	39.325	Leadville	Climax	K/Ar	Biotite	55.9	2.5	55.9	Bookstrom (1989)	
113	Granodiorite porphyry	Buckskin Gulch granodiorite	18	-106.1227073	39.329105	Leadville	Alma	K/Ar	Biotite	62.4	1.9	62.4	Bookstrom (1989)	
114	Granodiorite	Granodiorite stock		-106.1305556	39.333889	Leadville	Climax	K/Ar	Biotite	42.1	1.2	42.1	Bookstrom (1989)	
115	Biotite rhyolite-B porphyry	Stock southeast of Camp Hale	1323-AB-82-1	-106.2691667	39.419167	Leadville	Pando	FT	Zircon	35.5	3.2	35.5	Bookstrom and others (1987)	
116	Biotite rhyolite-B porphyry	Stock southeast of Camp Hale	1323-AB-82-1	-106.2691667	39.419167	Leadville	Pando	K/Ar	Biotite	43.5	3	43.5	Bookstrom and others (1987)	
117	Biotite rhyolite-B porphyry	Stock southeast of Camp Hale	1323-AB-82-1	-106.2691667	39.419167	Leadville	Pando	K/Ar	Sanidine	40.2	2	40.2	Bookstrom and others (1987)	
118	Sericitized granite-B porphyry	Stock of Silver Mountain (Montezuma)	AB-77G-12A	-105.8161	39.5797	Denver West	Montezuma	FT	Zircon	37.4	4.3		Bookstrom and others (1987)	Small intrusion interpreted to be cupola of underlying stock.
119	Rhyolite-A porphyry	Montezuma east area	AB-77-G-27A	-105.8022	39.5761	Denver West	Montezuma	FT	Zircon	33.3	4.3		Bookstrom and others (1987)	
120	Rhyolite-A porphyry dike	Near Kite Lake	B-5289	-106.1269444	39.336944	Leadville	Climax	K/Ar	Biotite	63.6	2.3	63.6	Bookstrom and others (1987)	
121	Biotite rhyolite-B porphyry	Rough and Tumbling stock	B-5853	-106.1069444	39.035833	Leadville	Jones Hill	K/Ar	Biotite	55.9	2.1	55.9	Bookstrom and others (1987)	
122	Rhyolite-A porphyry dike	Near Kite Lake	BU-77-H-100	-106.1297222	39.335556	Leadville	Climax	FT	Zircon	34.9	4	34.9	Bookstrom and others (1987)	
123	Rhyolite-B porphyry dike	Buckskin Gulch porphyritic dike	BU-77-H-98	-106.1205556	39.327222	Leadville	Climax	FT	Zircon	26.7	4	26.7	Bookstrom and others (1987)	Average of 3 grains.
124	Rhyolite-B porphyry dike	Buckskin Gulch porphyritic dike	BU-77-H-98	-106.1205556	39.327222	Leadville	Climax	FT	Zircon	35.4	3.3	35.4	Bookstrom and others (1987)	Average of 7 grains.
125	Rhyolite-B porphyry dike	Buckskin Gulch porphyritic dike	BU-77-H-98	-106.1205556	39.327222	Leadville	Climax	FT	Zircon	43.9	5.6	43.9	Bookstrom and others (1987)	Average of 4 grains.
126	Granite	Climax, seriate granite stock	Climax 78-1	-106.1633165	39.372885	Leadville	Climax	FT	Zircon	24.4	4.9	24.4 ± 4.9	Bookstrom and others (1987)	
127	Biotite rhyolite-B porphyry	Otter Mountain plug	DF-1496	-105.7217	39.6367	Denver West	Georgetown	FT	Zircon	36.6	4.2		Bookstrom and others (1987)	Funnel-shaped neck.
128	Sericitized rhyolite-B porphyry	Paines Mountain plug	DF-1497	-105.7403	39.6492	Denver West	Georgetown	FT	Zircon	37	4		Bookstrom and others (1987)	Central plug of a cluster of plugs and dikes.
129	Rhyolite-B porphyry	Plug at Webster Pass	DF-1498	-105.8369	39.5289	Denver West	Montezuma	FT	Zircon	37.5	3.7		Bookstrom and others (1987)	
130	Biotite dacite porphyry	Montezuma, late phase	DF-1499	-105.8347	39.5267	Denver West	Montezuma	FT	Zircon	34.8	3.7		Bookstrom and others (1987)	
131	Granite-B porphyry	Montezuma stock	DF-1500	-105.8411	39.5867	Denver West	Montezuma	FT	Zircon	39.8	4.2		Bookstrom and others (1987)	
132	Granite-B porphyry	Montezuma stock, southeast margin	DF-1528	-105.8269	39.5919	Denver West	Montezuma	FT	Zircon	37.4	3		Bookstrom and others (1987)	
133	Rhyolite-B porphyry	Mad Creek stock, which cuts Empire stock	DF-2692	-105.6960722	39.767195	Denver West	Empire	FT	Zircon	39.4	4.3		Bookstrom and others (1987)	
134	Explosion breccia	Surrounds Mad Creek stock	DF-2693	-105.6981	39.7672	Denver West	Empire	FT	Zircon	40.5	6.5		Bookstrom and others (1987)	
135	Rhyolite-B porphyry	Northwest-trending dike	DF-2695	-105.7319	39.6967	Denver West	Georgetown	FT	Zircon	41.5	4.8		Bookstrom and others (1987)	
136	Biotite rhyolite-B porphyry dike	Northeast-trending dike in Montezuma-Silver Plume swarm	DF-2697	-105.7772	39.6714	Denver West	Grays Peak	FT	Zircon	42.8	4.2		Bookstrom and others (1987)	
137	Biotite rhyolite-B porphyry	Britannic Mine stock (Montezuma east)	DF-2698	-105.8239	39.5711	Denver West	Montezuma	FT	Zircon	39.4	3.6		Bookstrom and others (1987)	
138	Hornblende-biotite dacite porphyry dike	Northwest-trending dike south of Montezuma stock	DF-2699	-105.8353	39.5544	Denver West	Montezuma	FT	Zircon	35.5	3.7		Bookstrom and others (1987)	
139	Rhyolite-A porphyry	Radial dike swarm around Red Mountain	DF-2700	-105.8544	39.7528	Denver West	Berthoud Pass	FT	Zircon	29.6	1.9		Bookstrom and others (1987)	
140	Granite-A porphyry	Urad stock, Henderson Mine	DF-4829	-105.8444	39.7633	Denver West	Berthoud Pass	FT	Zircon	25.1	3.1		Bookstrom and others (1987)	7550 level.
141	Granite-A porphyry	Urad stock, Henderson Mine	DF-4830	-105.8436	39.7636	Denver West	Berthoud Pass	FT	Zircon	27.2	3.1		Bookstrom and others (1987)	8100 level.
142	Granite-A	Urad stock, Henderson Mine	DF-4831	-105.8403	39.7589	Denver West	Berthoud Pass	FT	Zircon	20.4	3.2		Bookstrom and others (1987)	7500 level.
143	Kersantite	Dike, Henderson Mine	KA-82-585	-105.8486	39.7692	Denver West	Berthoud Pass	FT	Zircon	28.6	3.3		Bookstrom and others (1987)	7500 level.
144	Granodiorite	Buckskin biotite granodiorite dike	KL-1-2134	-106.1258221	39.325129	Leadville	Climax	FT	Zircon	27.6	3	27.6	Bookstrom and others (1987)	
145	Leucorhyolite porphyry	Near contact of Urad stock	70-164	-105.8333	39.7583	Denver West	Berthoud Pass	Rb-Sr	Whole-rock	28.5	1.2		Bookstrom and others (1988)	2700 m altitude in Henderson mine.
146	Leucogranite porphyry	Henderson stock	77-133	-105.8333	39.7583	Denver West	Berthoud Pass	Rb-Sr	Whole-rock	27.5	2		Bookstrom and others (1988)	2150 m altitude in Henderson mine.
147	Kersantite	Composite kersantite-rhyolite dike north of Henderson mine	82-287	-105.8486	39.7692	Denver West	Berthoud Pass	Rb-Sr	Whole-rock	26.6	3.3		Bookstrom and others (1988)	2275 m altitude in Henderson mine.
148	Leucorhyolite porphyry	Interior of Urad stock	CX122-4820	-105.8333	39.7583	Denver West	Berthoud Pass	Rb-Sr	Whole-rock	28.5	1.2		Bookstrom and others (1988)	2000 m altitude in Henderson mine.
149	Leucogranite	Vasque Porphyry	CX127-3980	-105.8333	39.7583	Denver West	Berthoud Pass	Rb-Sr	Whole-rock	25	2		Bookstrom and others (1988)	2100 m altitude in Henderson mine.
150	Leucogranite	Interior of Urad stock	CX165-3265	-105.8333	39.7583	Denver West	Berthoud Pass	Rb-Sr	Whole-rock	28.5	1.2		Bookstrom and others (1988)	2100 m altitude in Henderson mine.
151	Leucogranite	Post-ore Dailey stock	H-480-1046	-105.8333	39.7583	Denver West	Berthoud Pass	Rb-Sr	Whole-rock	23.8	2.3		Bookstrom and others (1988)	2050 m altitude in Henderson mine.
152	Rhyolite porphyry	Mount Cumulus stock, central part		-105.9022	40.41	Estes Park	Mount Richthofen	FT	Zircon	28.2	0.7		Braddock and Cole (1990); Gamble (1979)	
153	Granite	Mount Cumulus stock, outer part		-105.875	40.3992	Estes Park	Mount Richthofen	FT	Zircon	28.8	1.5		Braddock and Cole (1990); Gamble (1979)	
154	Gabbro	Iron Dike	30-1-9	-105.76	40.4619	Estes Park	Fall River Pass	Rb-Sr	Whole-rock	1316	50		Braddock and Peterman (1989)	19 point isochron.
155	Gabbro	Iron Dike	30-1-9	-105.76	40.4619	Estes Park	Fall River Pass	Rb-Sr	Granophyre	1316	50		Braddock and Peterman (1989)	19 point isochron.
156	Gabbro	Iron Dike	30-1-9	-105.76	40.4619	Estes Park	Fall River Pass	Rb-Sr	Plagioclase	1316	50		Braddock and Peterman (1989)	19 point isochron.
157	Gabbro	Iron Dike	30-1-9	-105.76	40.4619	Estes Park	Fall River Pass	Rb-Sr	Biotite	1316	50		Braddock and Peterman (1989)	19 point isochron.
158	Tuff	San Luis Valley	Amer 1760-70	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Sanidine	27.7	0.16	27.7	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
159	Tuff	San Luis Valley	Amer 1760-70	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Biotite	32.7	0.4	32.68	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
160	Tuff	San Luis Valley	Amer 1820-30	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Sanidine	27.8	0.09	27.79	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
161	Tuff	San Luis Valley	Amer 1820-30	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Biotite	32.3	0.19	32.32	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
162	Tuff	San Luis Valley	Amer 1930	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Sanidine	27.8	0.11	27.76	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
163	Tuff	San Luis Valley	Amer 1930	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Biotite	32.6	0.32	32.58	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.

164	Tuff	San Luis Valley	Amer 2180-2200	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Sanidine	27.8	0.19	27.79	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
165	Tuff	San Luis Valley	Amer 2180-2200	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Biotite	32.2	0.4	32.17	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
166	Tuff	San Luis Valley	Amer 2460-70	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Sanidine	28	0.15	28.03	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
167	Tuff	San Luis Valley	Amer 2860-70	-105.8846	37.62	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Sanidine	27.8	0.28	27.76	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
168	Tuff	San Luis Valley	Amer 2860-70	-105.88	37.63	Blanca Peak	Mount Pleasant School	40Ar/39Ar	Biotite	32.2	0.3	32.24	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
169	Tuff	Treasure Mountain Tuff (?)	Brister 90-6	-105.3333491	37.492265	Alamosa	Trinchera Ranch	40Ar/39Ar	Biotite	30	0.12	29.95	Brister and McIntosh (2004)	Plateau age.
170	Tuff	San Luis Valley	ES 2500-30	-105.8647222	37.451389	Alamosa	Alamosa East	40Ar/39Ar	Sanidine	23.2	0.3	23.21	Brister and McIntosh (2004)	Laser-fustion weighted-mean age. Sample from well-cuttings; probably includes detrital grains. Location approximate; probably good to within 1 km.
171	Tuff	Unit correlates with Carpenter Ridge Tuff	ES 2560-90	-105.8647222	37.451389	Alamosa	Alamosa East	40Ar/39Ar	Sanidine	27.2	0.15	27.22	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings. Location approximate; probably good to within 1 km.
172	Tuff	Probably correlates with Chiquito Peak Tuff	ES 3040-70	-105.8647222	37.451389	Alamosa	Alamosa East	40Ar/39Ar	Sanidine	28.9	0.21	28.91	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; may include detrital grains. Location approximate; probably good to within 1 km.
173	Tuff	Unit correlates with Gribbles Park Tuff	ES 5500-30	-105.8647222	37.451389	Alamosa	Alamosa East	40Ar/39Ar	Sanidine	32.9	0.11	32.92	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings. Location approximate; probably good to within 1 km.
174	Tuff	Fish Canyon Tuff	Map 8690-8700	-105.684	37.6708	Blanca Peak	Medano Ranch	40Ar/39Ar	Sanidine	28	0.15	28	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings.
175	Tuff	Gribbles Park Tuff	Map 9304-50	-105.684	37.6708	Blanca Peak	Medano Ranch	40Ar/39Ar	Sanidine	32.9	0.12	32.9	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings.
176	Tuff	Gribbles Park Tuff	Map 9360-70	-105.684	37.6708	Blanca Peak	Medano Ranch	40Ar/39Ar	Sanidine	32.9	0.12	32.86	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings.
177	Tuff	Gribbles Park Tuff	Map 9370-80	-105.684	37.6708	Blanca Peak	Medano Ranch	40Ar/39Ar	Sanidine	32.8	0.14	32.84	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings.
178	Tuff	Gribbles Park Tuff	Map 9390-9400	-105.684	37.6708	Blanca Peak	Medano Ranch	40Ar/39Ar	Sanidine	33.03	0.19	33.03	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings.
179	Tuff	Gribbles Park Tuff	Map 9400-9410	-105.684	37.6708	Blanca Peak	Medano Ranch	40Ar/39Ar	Sanidine	32.8	0.13	32.77	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings.
180	Tuff	San Luis Valley	Res 5180-90	-105.7739	37.6652	Blanca Peak	Hooper East	40Ar/39Ar	Sanidine	25.1	0.09	25.13	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
181	Tuff	San Luis Valley	Res 5210-40	-105.7739	37.6652	Blanca Peak	Hooper East	40Ar/39Ar	Sanidine	27.9	0.14	27.88	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
182	Tuff	San Luis Valley	Res 5610-40	-105.7739	37.6652	Blanca Peak	Hooper East	40Ar/39Ar	Sanidine	27.4	0.58	27.4	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
183	Tuff	San Luis Valley	Res 6200-30	-105.684	37.6708	Blanca Peak	Hooper East	40Ar/39Ar	Sanidine	27.9	0.39	27.93	Brister and McIntosh (2004)	Laser-fusion weighted-mean age. Sample from well-cuttings; probably includes detrital grains.
184	Tuff	Carpenter Ridge Tuff	Tenn 2120-40	-106.1726	37.7938	Del Norte	La Garita	40Ar/39Ar	Sanidine	27.4	0.09	27.37	Brister and McIntosh (2004)	Laser-fusion weighted-mean age of well-cuttings; may have some xenocrysts in sample.
185	Tuff	Fish Canyon Tuff	Tenn 2440-50	-106.1726	37.7938	Del Norte	La Garita	40Ar/39Ar	Sanidine	27.8	0.09	27.79	Brister and McIntosh (2004)	Laser-fusion weighted-mean age of well-cuttings
186	Tuff	Lower Treasure Mountain Tuff (?)	Tenn 3460-80	-106.0384	37.8054	Del Norte	La Garita	40Ar/39Ar	Biotite	30.2	0.23	30.17	Brister and McIntosh (2004)	Laser-fusion weighted-mean age of well-cuttings.
187	Tuff	Carpenter Ridge Tuff	Tuck 3675	-106.0384	37.8054	Del Norte	Center North	40Ar/39Ar	Sanidine	27.4	0.09	27.44	Brister and McIntosh (2004)	Laser-fusion weighted-mean age of well-cuttings
188	Tuff	Fish Canyon Tuff	Tuck 3900-05	-105.99	38.9	Del Norte	Center North	40Ar/39Ar	Sanidine	27.9	0.1	27.92	Brister and McIntosh (2004)	Laser-fusion weighted-mean age of well-cuttings
189	Biotite-hornblende-plagioclase gneiss	Proterozoic gneiss degassed by Eldora stock	EL-24a	-105.4886	39.9514	Denver West	Tungsten	K/Ar	Biotite	1029	35		Brookins and Abashian (1981)	Biotite partly degassed by heat from stock (?).
190	Biotite-hornblende-plagioclase gneiss	Proterozoic gneiss degassed by Eldora stock	EL-26	-105.5969	39.9206	Denver West	Nederland	K/Ar	Biotite	57.9	2.2		Brookins and Abashian (1981)	Biotite degassed by heat from Eldora stock.
191	Biotite-hornblende gneiss	Proterozoic gneiss degassed by Eldora stock	EL-27a	-105.6089	39.9217	Denver West	Nederland	K/Ar	Biotite	70.1	2.7		Brookins and Abashian (1981)	Biotite degassed and K-feldspar partly degassed by heat from Eldora stock.
192	Biotite-hornblende gneiss	Proterozoic gneiss degassed by Eldora stock	EL-27a	-105.6089	39.9217	Denver West	Nederland	K/Ar	Biotite	57.9	2.2		Brookins and Abashian (1981)	Biotite degassed and K-feldspar partly degassed by heat from Eldora stock.
193	Biotite-hornblende gneiss	Proterozoic gneiss degassed by Eldora stock	EL-28	-105.6064	39.9217	Denver West	Nederland	K/Ar	K-feldspar	68.4	2.5		Brookins and Abashian (1981)	K-feldspar partly degassed by heat from stock.
194	Biotite-hornblende-pyroxene gneiss	Proterozoic gneiss degassed by Eldora stock	EL-29a	-105.6044	39.9206	Denver West	Nederland	K/Ar	K-feldspar	147	6		Brookins and Abashian (1981)	Biotite and K-feldspar partly degassed by heat from stock.
195	Biotite-hornblende-pyroxene gneiss	Proterozoic gneiss degassed by Eldora stock	EL-29a	-105.6044	39.9206	Denver West	Nederland	K/Ar	Biotite	67	2.5		Brookins and Abashian (1981)	Biotite and K-feldspar partly degassed by heat from stock.
196	Biotite hornblende felsic gneiss	Gneiss cut by apophyses of Eldora stock	EL-3	-105.5862546	39.951322	Denver West	Nederland	K/Ar	Biotite	59	2.2		Brookins and Abashian (1981)	Gneiss cut by apophyses of Eldora stock.
197	Pegmatite-bearing felsic gneiss	Proterozoic gneiss degassed by Eldora stock	EL-6B	-105.587227	39.951248	Denver West	Nederland	K/Ar	Biotite	58.6	2.2		Brookins and Abashian (1981)	Biotite degassed by heat from Eldora stock.
198	Granodiorite	Grottos pluton	D-10	-106.7744444	39.199722	Leadville	Aspen	FT	Apatite	52.5	12.8	52.5	Bryant and Naeser (1980)	Age only approximate.
199	Granodiorite	Grottos pluton	DF-1339	-106.7744444	39.199722	Leadville	Aspen	FT	Apatite	52.5	12.8	52.5	Bryant and Naeser (1980)	Age only approximate.
200	Biotitic migmatite	Metasedimentary gneiss	C-39	-106.7686111	39.030556	Leadville	Hayden Peak	FT	Apatite	27.9	3.9	27.9	Bryant and Naeser (1980)	Annealing age due to uplift.
201	Biotite quartz monzonite	Grottos pluton	DF-1344	-106.7460435	39.242607	Leadville	Aspen	FT	Apatite	51.1	5.5	51.1	Bryant and Naeser (1980)	Annealing age due to uplift.
202	Intrusive rock	Twin Lakes stock	TL-F-6-16	-106.4030556	39.070556	Leadville	Mount Elbert	FT	Apatite	20	2.9	20	Bryant and Naeser (1980)	Annealing age due to uplift.
203	Intrusive rock	Monitor Rock plug	73N7	-106.4508333	39.073056	Leadville	Mount Elbert	FT	Apatite	19.9	4.4	19.9	Bryant and Naeser (1980)	Annealing age due to uplift.
204	Intrusive rock	Twin Lakes stock	73N8	-106.5077452	39.068239	Leadville	Independence Pass	FT	Apatite	29.9	4.2	29.9	Bryant and Naeser (1980)	Annealing age due to uplift.
205	Aplite	Dike in Twin Lakes stock	73N9	-106.3997222	39.065556	Leadville	Mount Elbert	FT	Apatite	16	2.4	16	Bryant and Naeser (1980)	Annealing age due to uplift.
206	Hornblende-biotite-plagioclase-quartz crystal tuff	Link Springs Tuff Member of the South Park Formation	150	-105.8256	39.2575	Bailey	Milligan Lakes	K/Ar	Biotite	59.7	2		Bryant and others (1981)	
207	Hornblende-biotite-plagioclase-quartz crystal tuff	Link Springs Tuff Member of the South Park Formation	150	-105.8256	39.2575	Bailey	Milligan Lakes	FT	Zircon	54.7	4.8		Bryant and others (1981)	
208	Pyroxene-bearing hornblende-biotite granodiorite	Plug in Pierre Shale and Williams Range thrust	222	-105.9419	39.4925	Bailey	Boreas Pass	K/Ar	Biotite	50.6	1.7		Bryant and others (1981)	
209	Pyroxene-bearing hornblende-biotite granodiorite	Plug in Pierre Shale and Williams Range thrust	222	-105.9419	39.4925	Bailey	Boreas Pass	K/Ar	Biotite mixed with hornblende	49.1	1.6		Bryant and others (1981)	
210	Pyroxene-bearing hornblende-biotite granodiorite	Plug in Pierre Shale and Williams Range thrust	222	-105.9419	39.4925	Bailey	Boreas Pass	K/Ar	Biotite	45.5	1.5		Bryant and others (1981)	
211	Pyroxene-bearing hornblende-biotite granodiorite	Plug in Pierre Shale and Williams Range thrust	222	-105.9419	39.4925	Bailey	Boreas Pass	FT	Zircon	38.3	1.8		Bryant and others (1981)	
212	Pyroxene-bearing hornblende-biotite granodiorite	Plug in Pierre Shale and Williams Range thrust	222	-105.9419	39.4925	Bailey	Boreas Pass	FT	Zircon	36.6	2		Bryant and others (1981)	
213	Pyroxene-bearing hornblende-biotite granodiorite	Plug in Pierre Shale and Williams Range thrust	222	-105.9419	39.4925	Bailey	Boreas Pass	FT	Zircon	36.2	1.6		Bryant and others (1981)	
214	Porphyritic biotite-hornblende quartz monzonite	Sill (?) in Pierre Shale	223	-105.9631	39.5053	Denver West	Keystone	K/Ar	Biotite	44.8	1.5		Bryant and others (1981)	Determinations on three biotite separates from same sample.
215	Porphyritic biotite-hornblende quartz monzonite	Sill (?) in Pierre Shale	223	-105.9631	39.5053	Denver West	Keystone	K/Ar	Biotite	43.5	1.00		Bryant and others (1981)	Determinations on three biotite separates from same sample.
216	Porphyritic biotite-hornblende quartz monzonite	Sill (?) in Pierre Shale	223	-105.9631	39.5053	Denver West	Keystone	K/Ar	Biotite	43.1	1.00		Bryant and others (1981)	Determinations on three biotite separates from same sample.
217	Porphyritic biotite-hornblende quartz monzonite	Sill (?) in Pierre Shale	223	-105.9631	39.5053	Denver West	Keystone	FT	Zircon	35.1	3.6		Bryant and others (1981)	Determinations on three biotite separates from same sample.
218	Porphyritic biotite granodiorite	South end of Bald Mountain sill	233	-105.9331329	39.359947	Bailey	Como	FT	Zircon	35.5	1.4		Bryant and others (1981)	
219	Dacite	Flow near base of South Park Formation	325	-105.8528	39.2975	Bailey	Milligan Lakes	FT	Zircon	60.9	3.2		Bryant and others (1981)	About 160 m above base of South Park Formation.
220	Porphyritic hornblende-biotite trachydacite	Sill in Benton Group	328	-105.8344	39.4219	Bailey	Jefferson	FT	Zircon	37.6	1.5		Bryant and others (1981)	
221	Dacite ash flow tuff	In Antero Formation	420	-105.7272	39.3789	Bailey	Mt. Logan	FT	Zircon	36.4	1.9		Bryant and others (1981)	Fills paleovalley graded to Elkhorn surface.
222	Dacite flow breccia	Underlies Wall Mountain Tuff	430a	-105.8986	39.0133	Bailey	Garo	FT	Zircon	41.5	1.8		Bryant and others (1981)	
223	Dacite flow breccia	Underlies Wall Mountain Tuff	430a	-105.8986	39.0133	Bailey	Garo	K/Ar	Biotite	37.8	1.3		Bryant and others (1981)	
224	Felsic crystal tuff	Base of South Park Formation	444	-105.8153	39.1494	Bailey	Elkhorn	K/Ar	Biotite	65.5	2.2		Bryant and others (1981)	
225	Felsic crystal tuff	Base of South Park Formation	444	-105.8153	39.1494	Bailey	Elkhorn	FT	Zircon	64.1	3.7		Bryant and others (1981)	
226	Brecciated and contact metamorphosed gneiss	Williams Range thrust zone	466	-105.9372	39.4919	Bailey	Boreas Pass	FT	Zircon	38.2	1.8		Bryant and others (1981)	
227	Altered porphyritic monzogranite	Probably sill in Pierre Shale	502	-105.8972	39.2983	Bailey	Como	FT	Zircon	41.5	1.8		Bryant and others (1981)	
228	Porphyritic hornblende-biotite monzogranite	South end of Bald Mountain sill	503	-105.9269	39.3444	Bailey	Como	K/Ar	Biotite	43.2	1.5		Bryant and others (1981)	
229	Porphyritic hornblende-biotite monzogranite	South end of Bald Mountain sill	503	-105.9269	39.3444	Bailey	Como	K/Ar	Biotite mixed with minor chlorite and ho	40.7	1.4		Bryant and others (1981)	
230	Porphyritic hornblende-biotite monzogranite	South end of Bald Mountain sill	503	-105.9269	39.3444	Bailey	Como	FT	Zircon	40.3	1.8		Bryant and others (1981)	
231	Biotite monzogranite	Mount Guyot plug	74	-105.9289	39.4594	Bailey	Boreas Pass	K/Ar	Biotite	44	1.5		Bryant and others (1981)	
232	Hornblende-biotite-plagioclase-quartz crystal tuff	About 1600 me above base of South Park Formation	W-1-75	-105.8086	39.2303	Bailey	Elkhorn	K/Ar	Biotite	56.3	1.9		Bryant and others (1981)	About 1600 m above base of South Park formation.
233	Hornblende-biotite-plagioclase-quartz crystal tuff	About 1600 m above base of South Park Formation	W-1-75	-105.8086	39.2303	Bailey	Elkhorn	FT	Zircon	55.5	2.7		Bryant and others (1981)	About 1600 m above base of South Park formation.
234	Quartz monzonite	Grottos pluton	AS-1	-106.7691238	39.141878	Leadville	Aspen	FT	Apatite	31.9	15	31.9	Bryant and others (1990)	
235	Quartz monzonite	Grottos pluton	AS-1	-106.7689224	39.141881	Leadville	Aspen	FT	Zircon	451	74	451	Bryant and others (1990)	
236	Aplite porphyry	Pando Porphyry	AS-10	-106.8002778	39.105556	Leadville	Hayden Peak	FT	Zircon	48.7	5	48.7	Bryant and others (1990)	
237	Hornblende quartz diorite	Pre-Twin Lakes diorite	AS-11	-106.818029	39.1191	Leadville	Aspen	FT	Zircon	53.4	5	53.4	Bryant and others (1990)	Uplift age.
238	Quartz porphyry	Little Annie sill	AS-12	-106.8230556	39.140278	Leadville	Aspen	FT	Zircon	50	7.2	50	Bryant and others (1990)	
239	Quartz porphyry	Pando Porphyry	AS-12	-106.8230556	39.140278	Leadville	Aspen	FT	Apatite	22.3	9.2	22.3	Bryant and others (1990)	
240	Quartz monzonite	Middle Proterozoic rocks	AS-2	-106.795	39.176944	Leadville	Aspen	FT	Zircon	586	111	586	Bryant and others (1990)	
241	Quartz monzonite	Grottos pluton	AS-2	-106.795	39.176944	Leadville	Aspen	FT	Apatite	69.8	34	69.8	Bryant and others (1990)	
242	Sandstone	Gothic Formation	AS-3	-106.8394444	39.213333	Leadville	Aspen	FT	Zircon	852	28	852	Bryant and others (1990)	
243	Sandstone	Maroon Formation	AS-4	-106.8263889	39.196111	Leadville	Aspen	FT	Zircon	648	186	648	Bryant and others (1990)	
244	Aplite porphyry	Pando Porphyry	AS-5	-106.8033333	39.194444	Leadville	Aspen	FT	Zircon	52.1	4.4	52.1	Bryant and others (1990)	
245	Aplite porphyry	Pando Porphyry	AS-6	-106.8036111	39.193889	Leadville	Aspen	FT	Zircon	58.6	6.1	58.6	Bryant and others (1990)	
246	Aplite porphyry	Pando Porphyry	AS-7	-106.7722222	39.194722	Leadville	Aspen	FT	Zircon	52.1	5	52.1	Bryant and others (1990)	
247	Aplite porphyry	Pando Porphyry	AS-8	-106.8205556	39.179722	Leadville	Aspen	FT	Zircon	53.1	4.9	53.1	Bryant and others (1990)	
248	Quartz monzonite	Grottos pluton	AS-9	-106.8294444	39.176111	Leadville	Aspen	FT	Apatite	28.7	5.3	28.7	Bryant and others (1990)	Uplift age.
249	Altered wallrock	Speckle Pay Mine.	Bald Eagle	-105.5347222	39.763611	Denver West	Central City	40Ar/39Ar	Sericite	61.9	1.3	61.9	Caine and others (2006)	Plateau age; sericite ultrasonically separated.
250	Altered wallrock	Speckle Pay Mine.	Speckle Pay	-105.5344444	39.732778	Denver West	Idaho Springs	40Ar/39Ar	Sericite	65.4	1.5	65.4	Caine and others (2006)	Plateau age; sericite separate hand-picked.
251	Altered wallrock	Speckle Pay Mine.	Speckle Pay	-105.5344444	39.732778	Denver West	Idaho Springs	40Ar/39Ar	Sericite	64.7	1.4	64.7	Caine and others (2006)	Weighted-average age; sericite ultrasonically separated.
252	Pegmatite	Brown Derby Mine	Brown Derby Mine	-106.6272848	38.541476	Gunnison	Parlin	K/Ar	Lepidolite	1439	60	1360	Carr and Kulp (1957)	Location and recalculated age from Shaw and others (2005).
253	Pegmatite	Brown Derby Mine	Brown Derby Mine	-106.6272848	38.541476	Gunnison	Parlin	K/Ar	Feldspar	845	40	835	Carr and Kulp (1957)	Location from Shaw and others (2005).
254	Pegmatite	Brown Derby Mine	Brown Derby Mine	-106.6272848	38.541476	Gunnison	Parlin	K/Ar	Feldspar	866	40	855	Carr and Kulp (1957)	Location from Shaw and others (2005).
255	Metagabbro	Buckhorn Creek	BC613-3	-105.3108	40.5661	Fort Collins	Buckhorn Mountain	40Ar/39Ar	Hornblende	1534	2		Cavosie and Selverstone (2003)	Integrated age. 70% of gas yields steps >1600 Ma with older steps >1800 Ma.
256	Mylonite	Buckhorn Creek	BT162	-105.3103	40.5672	Fort Collins	Buckhorn Mountain	40Ar/39Ar	Hornblende	1451	2		Cavosie and Selverstone (2003)	Integrated age. Spectrum suggest Early Proterozoic growth of hornblende followed by partial resetting during ~1.4 Ga mylonitization and/or heating.
257	Whitehorn stock	Whitehorn stock	S2	-105.8972222	38.575	Pikes Peak	Salida East	K/Ar	Biotite	66	1.7	66	Chualaowanich (1996)	
258	Whitehorn stock	Whitehorn stock	S2	-105.8972222	38.575	Pikes Peak	Salida East	K/Ar	Hornblende	73.4	2.5	73.4	Chualaowanich (1996)	
259	Whitehorn stock	Whitehorn stock; satellite body	ss5	-105.9230556	38.521389	Pikes Peak	Salida East	K/Ar	Biotite	66.1	1.7	66.1	Chualaowanich (1996)	
260	Whitehorn stock	Whitehorn stock; satellite body	ss5	-105.9230556	38.521389	Pikes Peak	Salida East	K/Ar	Hornblende	85	2.4	85	Chualaowanich (1996)	
261	Granite	Henry Mountain pluton	A38G-II	-106.636882	38.464912	Saguache	Doyleville	FT	Apatite	54	13	54 ± 13	Church and Bickford (1971)	Laramide annealing zone. Location approximate.
262	Granite	Henry Mountain pluton	A38G-II	-106.636882	38.464912	Saguache	Doyleville	FT	Apatite	46	44	46 ± 11	Church and Bickford (1971)	Laramide annealing zone. Location approximate.
263	Granite	Quartz Monzonite of Cochetopa Creek	CO-74	-106.7655556	38.330556	Saguache	Sawtooth Mountain	FT	Apatite	300	30	300 ± 30	Church and Bickford (1971)	Annealing date.
264	Granite	Quartz Monzonite of Cochetopa Creek	CO-74	-106.7655556	38.330556	Saguache	Sawtooth Mountain	FT	Apatite	160	16	160 ± 16	Church and Bickford (1971)	Annealing date.
265	Greisen	West Greisen stock	B-11	-106.2594396	38.657422	Gunnison	Saint Elmo	K/Ar	Muscovite	29.9	1.1	29.9	Coolbaugh (1985)	Location estimated from page-size map.
266	Rhyolite porphyry	Browns Creek plug	B-93	-106.2747222	38.64	Gunnison	Saint Elmo	K/Ar	Biotite	30.3	1.2	30.3	Coolbaugh (1985)	Location estimated from page-size map.
267	Rhyolite ash flow	South of Cameron Pass, Neversummer volcanics	306S	-105.8583	40.5	Fort Collins	Chambers Lake/Fall River I	K/Ar	Sanidine	27.7	3		Corbett (1968)	
268	Quartz monzonite	Italian Mountain intrusive	I-368	-106.7530556	38.947778	Gunnison	Pearl Pass	FT	Zircon	33.9	3.9	33.0 ± 1.8	Cunningham and Naeser (1975); Cunningham and others (1994)	Same as sample I-1 of Cunningham and others (1994).
269	Monzogranite	West Cross Creek stock	D2499B	-106.5375	39.427778	Leadville	Mount Jackson	K/Ar	Biotite	61.8	1.4	61.8	Cunningham and others (1977)	
270	Intrusive rock	West Tennessee Creek stock	D2568B	-106.4236111	39.346667	Leadville	Homestake Reservoir	K/Ar	Biotite	66.4	2.2	66.4	Cunningham and others (1977)	
271	Intrusive rock	Quartz Creek stock	DF-1118	-106.7505556	37.394444	Antonito	Wolf Creek Pass	FT	Zircon	24.1	2.5	24.2 ± 2.5	Cunningham and others (1977)	
272	Quartz monzonite	Tincup porphyry sill	DF-1150	-106.5094444	38.6775	Gunnison	Fairview Peak	FT	Zircon	34.4	3.2	34.5	Cunningham and others (1977)	Age recalculated by Cunningham and others (1994).
273	Quartz monzonite	Tincup porphyry sill	DF-1151	-106.5094444	38.6775	Gunnison	Fairview Peak	FT	Epidote	37.4	6.8	37.3	Cunningham and others (1977)	Age recalculated by Cunningham and others (1994).
274	Monzogranite	West Tennessee Creek stock	DF-1164	-106.4236111	39.346667	Leadville	Homestake Reservoir	FT	Apatite	46.5	10.3	46.4	Cunningham and others (1977)	Age recalculated by Cunningham and others (1994).
275	Quartz monzonite	Evans Gulch Porphyry	DF-1445	-106.2411111	39.255	Leadville	Climax	FT	Zircon	46.8	4.4	47	Cunningham and others (1977)	White Cloud mine. Age recalculated by Cunningham and others (1994).
276	Granodiorite	East Lake Creek stock	DF-848	-106.5615255	39.474374	Leadville	Mount Jackson	FT	Sphene	65.2	6.3	65.3 ± 5.5	Cunningham and others (1977)	Age recalculated by Cunningham and others (1994).
277	Granodiorite	East Lake Creek stock	DF-849	-106.5615255	39.474374	Leadville	Mount Jackson	FT	Zircon	59.5	8.1	59.5 ± 7.5	Cunningham and others (1977)	Age recalculated by Cunningham and others (1994).
278	Monzogranite	West Cross Creek stock	DF-850	-106.5375	39.427778	Leadville	Mount Jackson	FT	Zircon	59.2	6.9	59.3	Cunningham and others (1977)	Age recalculated by Cunningham and others (1994).
279	Quartz monzonite	Fulford stock	Fulford-1	-106.6566667	39.526667	Vail	Fulford	FT	Zircon	65.1	6.8	65.3 ± 6.0	Cunningham and others (1977)	Age recalculated by Cunningham and others (1994).
280	Quartz monzonite	Fulford stock	I-22	-106.6577778	39.527778	Vail	Fulford	K/Ar	Biotite	62.2	1.5	62.2	Cunningham and others (1977)	
281	Rhyolite porphyry	Porphyry Creek stock	D2569B	-106.4038889	38.472778	Saguache	Sargents	K/Ar	Biotite	38.4	0.9	38.4	Cunningham and others (1977); Cunningham and others (1994)	
282	Rhyolite porphyry	Porphyry Creek stock	DF-1152	-106.4038889	38.472778	Saguache	Sargents	FT	Zircon	35.3	3.3	35.3	Cunningham and others (1977); Cunningham and others (1994)	
283	Rhyolite porphyry intrusion	Eureka pipe, Leadville	D2642S	-106.2458333	39.250833	Leadville	Climax	K/Ar	Sanidine	39.5	0.6	38.5	Cunningham and others (1977); Cunningham and others (1994)	Dump of the Big Six mine. Age recalculated by Bookstrom (1989).
284	Hornblende-biotite quartz monzonite	Apex stock	A-1	-105.555	39.8675	Denver West	Central City	FT	Zircon	61.7	6.3		Cunningham and others (1994)	
285	Hornblende-biotite quartz monzonite	Dike intruding Apex stock	A-2	-105.555	39.8675	Denver West	Central City	FT	Zircon	58.5	5.2		Cunningham and others (1994)	
286	Biotite-hornblende quartz monzonite	Eldora stock	E-1	-105.5878	39.9517	Denver West	Nederland	FT	Zircon	66.6	6.4		Cunningham and others (1994)	
287	Biotite-hornblende quartz monzonite	Eldora stock	E-1	-105.5878	39.9517	Denver West	Nederland	FT	Zircon	61.8	6.3		Cunningham and others (1994)	
288	Biotite-sanidine quartz monzonite	Italian Mountain intrusive complex	I-1	-106.7530556	38.947778	Gunnison	Pearl Pass	FT	Zircon	33.9	3.9	33.9	Cunningham and others (1994)	Same as sample I-368 of Cunningham and Naeser (1975).
289	Biotite-fluorite vein	Cuts granodiorite stock	JS-1	-105.4	40.1167	Estes Park	Gold Hill	K/Ar	Biotite	58.8	2		Cunningham and others (1994)	
290	Sodic granite	Porphyry Mountain stock	JS-2a	-105.3866349	40.120766	Estes Park	Gold Hill	FT	Zircon	44.8	5.7		Cunningham and others (1994)	Vertical drill core 12.5 m depth.
291	Sodic granite	Porphyry Mountain stock	JS-2B	-105.386636	40.120956	Estes Park	Gold Hill	FT	Zircon	45.1	7.7		Cunningham and others (1994)	Vertical drill core 1024 m depth.
292	Granodiorite	Jamestown stock	JS-3	-105.3917	40.1111	Estes Park	Gold Hill	FT	Zircon	48.4	7.5		Cunningham and others (1994)	
293	Porphyry	Johnson Gulch Porphyry	L-3	-106.2223965	39.238754	Leadville	Climax	FT	Zircon	34.8	4.9	34.8	Cunningham and others (1994)	
294	Porphyritic quartz monzonite	Small stock 5 km south of Montezuma stock	M-1	-105.8258	39.5339	Denver West	Montezuma	FT	Zircon	35	3.2		Cunningham and others (1994)	
295	Quartz monzonite	Mount Sopris stock	MS-1	-107.1452778	39.270278	Carbondale	Mount Sopris	FT	Zircon	34.3	4.1	34.3	Cunningham and others (1994)	
296	Quartz monzonite	Mount Sopris stock	MS-1	-107.1452778	39.270278	Carbondale	Mount Sopris	K/Ar	Biotite	34.2	0.8	34.2	Cunningham and others (1994)	
297	Rhyolite	Round Mountain stock	RM-1	-106.8588889	38.773889	Gunnison	Cement Mountain	FT	Zircon	11.5	1.3	11.5	Cunningham and others (1994)	
298	Rhyolite	Round Mountain stock	RM-1	-106.8588889	38.773889	Gunnison	Cement Mountain	FT	Apatite	9.8	2.9	9.8	Cunningham and others (1994)	
299	Rhyolite	Round Mountain stock	RM-1	-106.8588889	38.773889	Gunnison	Cement Mountain	K/Ar	Biotite	13.9	0.3	13.9	Cunningham and others (1994)	
300	Felsic gneiss/amphibolite	Gore Range		-106.3666667	39.8	Vail	Mount Powell	Sm-Nd	Whole-rock	1800	90	1800	DePaolo (1981)	Isochron based on 6 samples. Location from Wallace (1993, 1995).
301	Granite	Granite of Taylor River	6-30-82-6	-106.6613889	38.761667	Gunnison	Matchless Mountain	U-Pb	Zircon	1406	Not report	1406	DeWitt and others (2002)	207Pb/206Pb date.
302	Latite	Fossil Ridge Latite	7-14-82-3	-106.7072222	38.646944	Gunnison	Crystal Creek	40Ar/39Ar	Hornblende	69	1	69	DeWitt and others (2002)	Plateau age.
303	Granite	Henry Mountain pluton	8-12-82-2	-106.7361111	38.735833	Gunnison	Crystal Creek	U-Pb	Zircon	1693	Not report	1693	DeWitt and others (2002)	207Pb/206Pb date.
304	Granite	Roosevelt pluton	8-13-82-2	-106.5427778	38.578611	Gunnison	Pitkin	U-Pb	Zircon	1720	Not report	1720	DeWitt and others (2002)	207Pb/206Pb date.
305	Granodiorite	Fairview Peak Granodiorite	8-7-82-1	-106.5294444	38.6775	Gunnison	Fairview	U-Pb	Zircon	1640	Not report	1640	DeWitt and others (2002)	207Pb/206Pb date.
306	Rhyolite	Gold Creek plug	9-6-83-4	-106.5753952	38.641752	Gunnison	Fairview	FT	Zircon	34.5	3	34.5	DeWitt and others (2002)	Intrusion cooling age
307	Latite	Fossil Ridge Latite	FR-UM-AND	-106.6130556	38.818889	Gunnison	Taylor Park Reservoir	40Ar/39Ar	Hornblende	70.3	0.7	70.3	DeWitt and others (2002)	Partial plateau age.
308	Latite	Fossil Ridge Latite	FR-UM-AND	-106.6130556	38.818889	Gunnison	Taylor Park Reservoir	FT	Zircon	56.6	6.85	56.6	DeWitt and others (2002)	Regional uplift age
309	Granite	Granite of Taylor River	X-61962	-106.5993712	38.671262	Gunnison	Fairview	K/Ar	Muscovite; trace biotite	1326	44	1326	DeWitt and others (2002)	
310	Granite	St. Kevin Granite	C-2	-106.4456836	39.258677	Leadville	Homestake Reservoir	U-Pb	Zircon	1411	40	1420	Doe and Pearson (1969)	Upper intercept age. Location and recalculated age by Wallace (1993, 1995).
311	Granite	St. Kevin Granite	C-3	-106.4752359	39.251821	Leadville	Homestake Reservoir	U-Pb	Zircon	1411	40	1420	Doe and Pearson (1969)	Upper intercept age. Location and recalculated age by Wallace (1993, 1995).
312	Granite	St. Kevin Granite	HWDT	-106.4375	39.283333	Leadville	Homestake Reservoir	U-Pb	Zircon	1411	40	1420	Doe and Pearson (1969)	Upper intercept age. Location and recalculated age by Wallace (1993, 1995).
313	Welded ash flow tuff	Wall Mountain Tuff		-105.7292	39.1333	Bailey	Eagle Rock	K/Ar	Sanidine	41	1.2		Epis and Chapin (1968); Sawatzky (1967)	Some contamination by Proterozoic basement rock. 2% rock fragments and impurites.
314	Basalt	Flow on South Table Mountain	KA978	-105.1625	39.7528	Denver West	Golden	K/Ar	Whole-rock	60.2	Not report		Evernden and others (1964)	
315	Dacitic pumice	Denver Formation	KA992	-105.1625	39.7528	Denver West	Golden	K/Ar	Plagioclase	66.4	Not report		Evernden and others (1964)	
316	Pyroxene syenite	Iron Hill alkaline complex	IH14	-107.0383333	38.260833	Montrose	Powderhorn	Rb-Sr	Whole-rock	1456	9	1487 ± 9	Fenton and Faure (1970)	Isochron based on 4 samples. (Sample 2 of 4). Location approximate; good to 1/4 section.
317	Uncompahgrite	Iron Hill alkaline complex	IH16	-107.0330556	38.245556	Montrose	Rudolph Hill	Rb-Sr	Whole-rock	1456	9	1487 ± 9	Fenton and Faure (1970)	Isochron based on 4 samples. (Sample 1 of 4). Location approximate; good to 1/16 section.
318	Epidote-quartz rock	Iron Hill alkaline complex	IH18	-107.0938889	38.320278	Montrose	Powderhorn	Rb-Sr	Whole-rock	1456	9	1487 ± 9	Fenton and Faure (1970)	Isochron based on 4 samples. (Sample 4 of 4). Location approximate; good to 1/16 section.
319	Epidote-quartz rock	Iron Hill alkaline complex	IH18a	-107.0938889	38.320278	Montrose	Powderhorn	Rb-Sr	Whole-rock	1456	9	1487 ± 9	Fenton and Faure (1970)	Isochron based on 4 samples. (Sample 3 of 4). Location approximate; good to 1/16 section.
320	Hornblende syenite	McClure Mountain alkaline complex	MM-2	-105.4905556	38.299167	Canon City	Iron Mountain	Rb-Sr	Whole-rock	506	14	517 ± 14	Fenton and Faure (1970)	Isochron based on 5 samples. (Sample 1 of 5) Date is 704 ± 70 if altered sample MM-5 is excluded. Location approximate to nearest quarter section.
321	Shonkinite	McClure Mountain alkaline complex	MM-3	-105.4958333	38.324444	Canon City	Iron Mountain	Rb-Sr	Whole-rock	506	14	517 ± 14	Fenton and Faure (1970)	Isochron based on 5 samples. (Sample 2 of 5) Date is 704 ± 70 if altered sample MM-5 is excluded. Location approximate to nearest quarter section.
322	Nepheline syenite	McClure Mountain alkaline complex	MM-4	-105.4841667	38.338333	Canon City	Iron Mountain	Rb-Sr	Whole-rock	506	14	517 ± 14	Fenton and Faure (1970)	Isochron based on 5 samples. (Sample 3 of 5) Date is 704 ± 70 if altered sample MM-5 is excluded. Location approximate to nearest quarter section.
323	Cancrinite syenite	McClure Mountain alkaline complex	MM-5	-105.4627765	38.364371	Canon City	Iron Mountain	Rb-Sr	Whole-rock	506	14	517 ± 14	Fenton and Faure (1970)	Isochron based on 5 samples. (Sample 4 of 5) Date is 704 ± 70 if altered sample MM-5 is excluded. Location estimated from Fig. 2 in Fenton and Faure (1970).
324	Carbonatite	McClure Mountain alkaline complex	MM-81	-105.4527778	38.346111	Canon City	Iron Mountain	Rb-Sr	Whole-rock	506	14	517 ± 14	Fenton and Faure (1970)	Isochron based on 5 samples. (Sample 5 of 5) Date is 704 ± 70 if altered sample MM-5 is excluded. No location given; latitude/longitufe given only for plotting purposes are very approximate.
325	Rhyolite	Grizzly Peak Tuff near Mount Sopris	(D)-A	-107.0666667	39.35	Carbondale	Basalt	K/Ar	Biotite	36.3	0.9	36.3	Fridrich and others (1991)	
326	Rhyolite	Outflow of Grizzly Peak Tuff	AVG-1	-106.3211111	39.063333	Leadville	Granite	K/Ar	Biotite	33.3	1	33.3	Fridrich and others (1991)	Near Twin Lakes dam.
327	Rhyolite	Intracaldera Grizzly Peak Tuff	MA-1	-106.5827778	39.084722	Leadville	Independence Pass	K/Ar	Biotite	33.4	1	33.4	Fridrich and others (1991)	contains rhyolite fiamme.
328	Granite	Drill core from Middle Mountain stock	MM-1	-106.4357772	38.973873	Gunnison	Winfield	K/Ar	Biotite	37.7	1.3	37.8	Ranta (1974), Fridrich and others (1991)	

329	Rhyolite	Middle Mountain Porphyry	MM-1	-106.4365394	38.970569	Gunnison	Winfield	K/Ar	Biotite	38.8	1.3	38.9	Ranta (1974), Fridrich and others (1991)	
330	Granodiorite	Pine Creek stock	PC-1	-106.6833333	39.033333	Leadville	New York Peak	K/Ar	Biotite	35.7	1.2	35.7	Fridrich and others (1991)	Sample probably contained excess Ar.
331	Granodiorite	Pine Creek stock	PC-1	-106.6833333	39.033333	Leadville	New York Peak	K/Ar	Biotite	36.8	1.4	36.8	Fridrich and others (1991)	Sample probably contained excess Ar.
332	Rhyolite	Sawmill stock	SAWM-1	-106.615	39.0275	Leadville	Independence Pass	K/Ar	Biotite	32.9	1.1	32.9	Fridrich and others (1991)	
333	Rhyolite	Intracaldera Grizzly Peak Tuff	ZB-2	-106.5763889	39.079444	Leadville	Independence Pass	K/Ar	Hornblende	33.8	1.1	33.8	Fridrich and others (1991)	contains latite fiamme.
334	Granite	St. Kevin Granite	IC-6	-106.7241667	38.955556	Gunnison	Italian Creek	U-Pb	Zircon	1446	Not report	1446	Fridrich and others (1998)	Upper intercept; only two points so no uncertainty calculated.
335	Granodiorite	Kroenke Granodiorite	No sample number	-106.4083333	38.988889	Gunnison	Winfield	U-Pb	Sphene	1645	5	1645	Fridrich and others (1998)	Date given in text of pamphlet accompanying map of Fridrich and others (1998), but not shown on map or in Table 1.
336	Diorite	Mafic border zone of Twin Lakes pluton	R8-28-84-8	-106.5533333	39.005	Leadville	Independence Pass	40Ar/39Ar	Hornblende	63.8	1.4	63.82	Fridrich and others (1998)	Weighted average plateau age. Location from Wallace (1993, 1995).
337	Granodiorite	Mount Princeton pluton		-106.2216667	38.718889	Gunnison	Mount Antero	Th-Pb	Zircon	36.6	0.4	36.6	Fridrich and others (1998)	208Pb/232Th date on single fraction of -400-mesh zircon; identical lower-intercept age given by forcing discordia through data point and upper-intercept of 1,700 Ma. Location approximate.
338	Granite	Urad Mine porphyry	15	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	28	0.09	28	Geissman and others (1992)	Disturbed spectum, preferred age.
339	Granite	Urad Mine porphyry	16	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	28.6	0.3	28.6	Geissman and others (1992)	Disturbed spectrum, preferred age.
340	Granite	Urad Mine porphyry	17	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	28.3	1.4	28.3	Geissman and others (1992)	Plateau age, small sample.
341	Pegmatite	Urad-Henderson in Henderson Granite	18	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	28.1	0.2		Geissman and others (1992)	Excess Ar loss to 28.1 Ma
342	Pegmatite	Urad-Henderson in Henderson Granite	19	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	28.1	0.2		Geissman and others (1992)	Plateau age.
343	Pegmatite	Urad-Henderson in Seriate Porphyry	20	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase, altered	27.1	0.2		Geissman and others (1992)	Plateau age.
344	Pegmatite	Urad-Henderson in Seriate Porphyry	21	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	27.6	0.1		Geissman and others (1992)	Plateau age.
345	Granite	Urad-Henderson, Seriate Porphyry	22	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	28.2	0.2		Geissman and others (1992)	Plateau age.
346	Granite	Urad-Henderson, Seriate Porphyry	23	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	27.6	0.2		Geissman and others (1992)	Plateau age.
347	Pegmatite	Urad-Henderson in Seriate Porphyry	24	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	27.6	0.2		Geissman and others (1992)	Plateau age.
348	Pegmatite	Urad-Henderson in Vasquez Porphyry	25	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	28.7	0.08		Geissman and others (1992)	Disturbed spectrum; preferred age.
349	Pegmatite	Urad-Henderson in Vasquez Porphyry	26	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	27.6	0.3		Geissman and others (1992)	Plateau age.
350	Magnetite-sericite alteration zone	Urad-Henderson, Seriate Porphyry	27	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Muscovite	26.9	0.08		Geissman and others (1992)	Plateau age.
351	Magnetite-sericite alteration zone	Urad-Henderson, Seriate Porphyry	28	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Muscovite	27.5	0.03		Geissman and others (1992)	Plateau age.
352	Granite	Urad-Henderson, Vasquez Porphyry	29	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	27.6	0.1	27.6	Geissman and others (1992)	Plateau age.
353	Granite	Urad-Henderson, Vasquez Porphyry	30	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	27.8	0.1	27.83	Geissman and others (1992)	Plateau age.
354	Granite	Urad-Henderson, border of Ute Porphyry	31	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	28.4	0.3		Geissman and others (1992)	Plateau age.
355	Granite	Urad-Henderson, border of Ute Porphyry	32	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	27.6	0.2		Geissman and others (1992)	Plateau age.
356	Granite	Urad Mine Porphyry	13, Table 4	-105.8333	39.7667	Denver West	Berthoud Pass	FT	Zircon	23.8	2.3	23.8	Geissman and others (1992); Naeser and others (1973)	
357	Granite	Urad Mine Porphyry	11, Table 4	-105.8333	39.7667	Denver West	Berthoud Pass	K/Ar	Biotite	33.7	2.5	33.7	Geissman and others (1992); Shannon (1982)	
358	Granite	Urad Mine Porphyry	12, Table 4	-105.8333	39.7667	Denver West	Berthoud Pass	K/Ar	Orthoclase	28.5	1.2	28.5	Geissman and others (1992); Shannon (1982)	
359	Granite	Trout Creek Pass area	PUF-24B	-105.8846	38.62	Pikes Peak	Antero Reservoir	K/Ar	Mica	1439	60	1430	Giffin and Kulp (1960)	Age recalculated by Shaw and others (2005).
360	Granite	Royal Gorge.	PUF-29B	-105.3238889	38.461667	Canon City	Royal Gorge	K/Ar	Mica	1546	60	1540	Giffin and Kulp (1960)	Location approximate.
361	Gneiss	Monarch Pass area	PUF-34B	-106.3247222	38.496389	Saguache	Pahlone Peak	K/Ar	Mica	1338	60	1330	Giffin and Kulp (1960)	Location approximate.
362	Gneiss	Arkansas River Canyon area.	PUF-7M	-105.5105556	38.455833	Canon City	Echo	K/Ar	Mica	1298	60	1290	Giffin and Kulp (1960)	
363	Gneiss	Arkansas River Canyon area.	PUF-7M	-105.5105556	38.455833	Canon City	Echo	K/Ar	Mica	1309	60	1300	Giffin and Kulp (1960)	
364	Granite	East end of Arkansas River Canyon	PUF-8B	-105.4072222	38.486667	Canon City	McIntyre Hills	K/Ar	Mica	1477	60	1470	Giffin and Kulp (1960)	Location approximate.
365	Granite	Pikes Peak pluton	PUF-9	-105.0425	38.841111	Pikes Peak	Pikes Peak	K/Ar	Mica	990	40	980	Giffin and Kulp (1960)	
366	Silver Plume Granite	Silver Plume Granite		-105.7367	39.6972	Denver West	Georgetown	U-Pb	Zircon	1422	Not report		Graubard and Mattinson (1990)	Preliminary result; final not published.
367	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	522.8	2.8	522.8	Harrison (1981)	Location approximate. Weighted-average date calculated using 3gr as the primary standard.
368	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	513.4	4.5	513.4	Harrison (1981)	Location approximate. Plateau age.
369	Monzonite	Audubon stock		-105.6167	40.0625	Estes Park	Ward	K/Ar	Biotite	68	1.1		Hart (1960)	Composite date. No individual sample locations. Average of biotite from stock and four samples of country rock from contact zone.
370	Feldspar-quartz-biotite-muscovite pegmatite	South of Barker Reservoir	22500	-105.485	39.9508	Denver West	Tungsten	Rb-Sr	Biotite, coarse	1264	Not report		Hart (1964)	Regional cooling age.
371	Feldspar-quartz-biotite-muscovite pegmatite	South of Barker Reservoir	22500	-105.485	39.9508	Denver West	Tungsten	K/Ar	Biotite, coarse	1176	Not report		Hart (1964)	Regional cooling age.
372	Amphibolite included in pegmatite	South of Nederland	9400	-105.5161	39.9556	Denver West	Nederland	K/Ar	Hornblende	1375	Not report		Hart (1964)	Regional cooling age.
373	Quartz monzonite	Eldora stock	BCOA	-105.5867	39.9514	Denver West	Nederland	Rb-Sr	Biotite, coarse	62	9		Hart (1964)	
374	Quartz monzonite	Eldora stock	BCOA	-105.5867	39.9514	Denver West	Nederland	K/Ar	Biotite, coarse	56.2	Not report		Hart (1964)	
375	Quartz monzonite	Eldora stock	BCOA	-105.5867	39.9514	Denver West	Nederland	K/Ar	Fine biotite and hornblende	55.1	Not report		Hart (1964)	
376	Granite aplite	Boomer cupola of Redskin stock	Ppb-1K	-105.4486	39.0761	Bailey	Tarryall	Rb-Sr	Microcline	930	50		Hawley and others (1966)	
377	Granite aplite	Boomer cupola of Redskin stock	Ppb-lm	-105.4486	39.0761	Bailey	Tarryall	K/Ar	Muscovite	1005	Not report		Hawley and others (1966)	
378	Greisen	Boomer cupola of Redskin stock	Ppb-lmg	-105.4486	39.0761	Bailey	Tarryall	K/Ar	Muscovite	1015	Not report		Hawley and others (1966)	
379	Porphyritic granite	Porphyritic facies of Redskin stock	Pprs-1K	-105.4167	39.1	Bailey	Tarryall	Rb-Sr	Microcline	896	50		Hawley and others (1966)	
380	Greisen	Greisen in Redskin stock	Pprs-lmg	-105.4	39.0833	Bailey	Tarryall	K/Ar	Muscovite	1035	Not report		Hawley and others (1966)	
381	Porphyritic granite	Porphyritic facies of Redskin stock	Pps-lb	-105.4167	39.1	Bailey	Tarryall	K/Ar	Biotite	995	Not report		Hawley and others (1966)	
382	Hornblende granite	Pikes Peak pluton and Rosalie lobe	1221	-105.1380556	38.839722	Pikes Peak	Cripple Creek North	Rb-Sr	Whole-rock	1019	13	1041 ± 13	Hedge (1970)	Isochron based on 13 samples. Four samples on Colorado Springs and 7 samples on Bailey 1:100,000 quadrangle.
383	Hornblende syenite	Westcreek pluton of Pikes Peak	1222	-105.1647	39.1689	Bailey	Westcreek	Rb-Sr	Whole-rock	1023	Not report		Hedge (1970)	
384	Biotite granite	Pikes Peak pluton, north	1223A	-105.2633	39.255	Bailey	Green Mountain	Rb-Sr	Whole-rock	1011	Not report		Hedge (1970)	
385	Aplite Dike	Pikes Peak pluton, north	1223B	-105.2633	39.255	Bailey	Green Mountain	Rb-Sr	Whole-rock	1032	Not report		Hedge (1970)	
386	Porphyritic granite	Pikes Peak pluton, north	PP-2	-105.1258	39.3244	Bailey	Deckers	Rb-Sr	Whole-rock	1086	Not report		Hedge (1970)	
387	Granite	Pikes Peak pluton and Rosalie lobe	PP-B	-105.2019444	38.7825	Pikes Peak	Cripple Creek North	Rb-Sr	Whole-rock	1019	13	1041 ± 13	Hedge (1970)	Isochron based on 13 samples. Four samples on Colorado Springs and 7 samples on Bailey 1:100,000 quadrangle.
388	Biotite granite	Lone rock pluton of the Pikes Peak batholith	rlg-1	-105.4403	39.4508	Bailey	Bailey	Rb-Sr	Whole-rock	1025	Not report		Hedge (1970)	Formerly called the Rosalie lobe.
389	Biotite granite	Lone rock pluton of the Pikes Peak batholith	rlg-2	-105.4736	39.4644	Bailey	Bailey	Rb-Sr	Whole-rock	1039	Not report		Hedge (1970)	Formerly called the Rosalie lobe.
390	Biotite granite	Lone rock pluton of the Pikes Peak batholith	rlg-3	-105.4878	39.4836	Bailey	Bailey	Rb-Sr	Whole-rock	1031	Not report		Hedge (1970)	Formerly called the Rosalie lobe.
391	Granite	Unamed granite	3.16.1	-107.1058333	38.253333	Montrose	Powderhorn	U-Pb	Zircon	1735	9	1735	Hill and Bickford (2001)	SHRIMP 207Pb/206Pb date on rim of zircon. Same sample as B-81-61 of Bickford, Shuster, and Boardman (1989); suggests TIMS date is too old because of inherited cores. Location estimated from Montrose 1:250,0
392	Granite	Unamed granite	3.36.1	-107.1058333	38.253333	Montrose	Powderhorn	U-Pb	Zircon	1729	34	1729	Hill and Bickford (2001)	SHRIMP 207Pb/206Pb date on rim of zircon. Same sample as B-81-61 of Bickford, Shuster, and Boardman (1989); suggests TIMS date is too old because of inherited cores. Location estimated from Montrose 1:250,0
393	Granite	Henry Mountain pluton (?)	7.46.2	-106.65	38.566667	Gunnison	Parlin	U-Pb	Zircon	1708	20	1708	Hill and Bickford (2001)	SHRIMP 207Pb/206Pb date on rim of zircon. Same sample as B-81.70 of Bickford, Shuster, and Boardman (1989).
394	Latite	Flagstaff Mountain sill	Flag 28-65	-105.2972	40.0031	Estes Park	Boulder	FT	Zircon	64	3.5		Hoblitt and Larson (1975)	
395	Potassic basalt	Ralston Reservoir intrusive		-105.2403	39.8244	Denver West	Golden	K/Ar	Whole-rock	63.5	2.5		Hoblitt and Larson (1975)	
396	Latite	Left Hand Canyon sill		-105.2989	40.1469	Estes Park	Lyons	FT	Zircon	62.2	3		Hoblitt and Larson (1975)	
397	Latite	Lyons quarry sill		-105.2969	40.2008	Estes Park	Lyons	FT	Zircon	62.6	3		Hoblitt and Larson (1975)	
398	Biotite-muscovite granite	Kenosha batholith	P-10	-105.7203	39.3014	Bailey	Observatory Rock	K/Ar	Biotite	1308	Not report		Hutchinson (1960)	Cooling age.
399	Hornblende-bearing biotite granite	Outer zone of Pikes Peak pluton	P-4	-105.2575	39.4142	Bailey	Pine	K/Ar	Biotite	1060	Not report		Hutchinson (1960)	
400	Hornblende-biotite monzogranite	Intermediate zone of Pikes Peak batholith	P-5	-105.2776678	39.378345	Bailey	Pine	K/Ar	Biotite	1060	Not report		Hutchinson (1960)	
401	Hornblende-biotite monzogranite	Granodiorite wedge in outer zone of Pikes Peak batholith	P-9	-105.3598065	39.318868	Bailey	Green Mountain	K/Ar	Biotite	1060	Not report		Hutchinson (1960)	
402	Granodiorite	Boulder Creek Granodiorite		-106.1330556	40.055556	Steamboat Springs	Parshall	Rb-Sr	Whole-rock	1650	50	1700 ± 50	Izett (1968)	From Byers Canyon. Rb-Sr model age; analytical data not reported. Location approximate.
403	Quartz monzonite	Quartz monzonite of Byers Canyon		-106.1330556	40.055556	Steamboat Springs	Parshall	Rb-Sr	Whole-rock	1600	40	1650 ± 40	Izett (1968)	From Byers Canyon. Rb-Sr model age; analytical data not reported. Location approximate.
404	Tuff	Troublesome Formation; Gravel Gulch Tuff	1	-106.3783333	40.088056	Steamboat Springs	Kremmling	FT	Zircon	11.2	1.8	11.2 ± 1.8	Izett (1975)	Location approximate; good to 1/16 section.
405	Tuff	Troublesome Formation; Gravel Gulch Tuff	1	-106.3783333	40.088056	Steamboat Springs	Kremmling	FT	Glass	8.3	1.2	8.3 ± 1.2	Izett (1975)	Location approximate; good to 1/16 section.
406	Tuff	Troublesome Formation; Camel Tuff	2	-106.2974409	40.032237	Steamboat Springs	Junction Butte	FT	Zircon	12.8	2	12.8 ± 2.0	Izett (1975)	Location approximate; good to 1/16 section.
407	Tuff	Troublesome Formation; Camel Tuff	2	-106.2973296	40.032906	Steamboat Springs	Junction Butte	FT	Glass	10.9	1.4	10.9 ± 1.4	Izett (1975)	Location approximate; good to 1/16 section.
408	Tuff	Troublesome Formation; CW (Chalky White) Tuff	3	-106.3129796	40.027624	Steamboat Springs	Junction Butte	FT	Zircon	18	2	18.0 ± 2.0	Izett (1975)	CW (Chalky White) tuff of Izett (1968). Location aproximate; good to 1/16 section.
409	Tuff	Troublesome Formation; CW (Chalky White) Tuff	3	-106.3128629	40.028007	Steamboat Springs	Junction Butte	FT	Sphene	20	2.3	20.0 ± 2.3	Izett (1975)	Location aproximate; good to 1/16 section.
410	Rhyolitic ash	Browns Park Formation; lowest part	4	-106.8	40.128333	Steamboat Springs	Green Ridge	FT	Zircon	23.5	2.5	23.5 ± 2.5	Izett (1975)	
411	Tuff	Troublesome Formation; Camel Tuff	Camel	-106.2953135	40.028365	Steamboat Springs	Junction Butte	40Ar/39Ar	Sanidine	15.2	0.04	15.2	Izett and Obradovich (2001)	Weighted-mean age of 8 samples (95Z0649; 95Z0650; 97Z0538; 97Z0525; 99Z0253; 99Z0254; 99Z0255; 99Z0256). Location approximate; good to 1/16 section.
412	Tuff	Troublesome Formation; CW (Chalky White) Tuff	Chalky White (CW tuff)	-106.3124928	40.028106	Steamboat Springs	Junction Butte	40Ar/39Ar	Sanidine	18.9	0.22	18.9	Izett and Obradovich (2001)	CW (Chalky White) tuff of Izett (1968). Sample 94Z0303. Location approximate; good to 1/16 section.
413	Tuff	Troublesome Formation; Gravel Gulch Tuff	Gravel Gulch	-106.3815044	40.09222	Steamboat Springs	Junction Butte	40Ar/39Ar	Sanidine	11	0.05	11	Izett and Obradovich (2001)	Izett and Obradovich (2001) report it as a weighted-mean age of 4 sanidine samples but list 3 sanidine (94Z0346; 95Z0246; 98Z0152) and 2 plagioclase (95Z0238; 95Z0239) in data table.
414	Tuff	Troublesome Formation; LTW Tuff	LTW	-106.3058333	40.026389	Steamboat Springs	Junction Butte	40Ar/39Ar	Sanidine	17.1	0.06	17.1	Izett and Obradovich (2001)	Weighted-mean of four analyses (94Z0325; 94Z0326; 94Z0327; 94Z0328) from two locations. Barger Gulch site plotted; Horse Gulch site at 40° 05' 00" N; 106° 21' 59" W. Location sites good to 1/16 section.
415	Tuff	Troublesome Formation; Moore Reservoir Tuff	Moore Reservoir	-106.3386111	40.003056	Steamboat Springs	Junction Butte	40Ar/39Ar	Sanidine	23.5	0.06	23.5	Izett and Obradovich (2001)	Age is weighted-mean of five samples (94Z0310; 94Z0311; 94Z0312; 94Z0313; 94Z0285) from the tuff. Location approximate; good to 1/4 section.
416	Tuff	Troublesome Formation; Pure White Tuff	Pure White	-106.3062296	40.025423	Steamboat Springs	Junction Butte	40Ar/39Ar	Sanidine	18.3	0.07	18.3	Izett and Obradovich (2001)	Weighted-mean of two samples (94Z0344; 94Z0345) from tuff. Location approximate; good to 1/16 section.
417	Tuff	Troublesome Formation; Road White Tuff	Road White	-106.3317608	40.082105	Steamboat Springs	Junction Butte	40Ar/39Ar	Sanidine	15.6	0.05	15.6	Izett and Obradovich (2001)	Weighted-mean age of 5 samples (95Z0298; 95Z0299; 95Z0300; 95Z0647; 95Z0648). Location approximate; good to 1/16 section.
418	Tuff	Troublesome Formation; Spring Tuff	Spring	-106.2900764	40.085537	Steamboat Springs	Junction Butte	40Ar/39Ar	Plagioclase/sanidine	15.8	0.01	15.8	Izett and Obradovich (2001)	Weighted-mean age for two plagioclase (94Z0330; 94Z0317) and one sanidine (98Z0210) sample. Location approximate; good to 1/16 section.
419	Quartzite	Blue Ridge quartzite	J01-BR1	-105.2977833	38.576	Pikes Peak	Rice Mountain	U-Pb	Zircon (detrital)	1770	20	1770	Jones (2005)	Cited date is the statistical median of 207Pb/206Pb age distribution; range is 1650 - 3180 Ma.
420	Conglomerate	Blue Ridge basal conglomerate	J01-BR2	-105.2977833	38.5755	Pikes Peak	Rice Mountain	U-Pb	Zircon (detrital)	1710	20	1710	Jones (2005)	Basal conglomerate. Cited date is the statistical median of 207Pb/206Pb age distribution; range is 1650 - 1910 Ma.
421	Granodiorite	Twin Mountain pluton	J01-BR3	-105.3043	38.584017	Pikes Peak	Rice Mountain	U-Pb	Zircon	1706	[+5 / -3]	1706	Jones (2005)	Age is upper intercept based on three fractions. Location from J.V. Jones (written communication, 2006).
422	Pegmatite	In Five Points Gulch shear zone	J01-FP1	-105.5148796	38.453021	Canon City	Echo	U-Pb	Zircon	1430	[+3 / -5]	1430	Jones (2005)	Syn-deformational. Upper intercept age based on three fractions of mechanically-broken zircon tips; two fractions of zircon cores yielded ages of 1451 and 1449 Ma.
423	Granite	Small body along Hardscabble Creek	J01-RG1	-105.17175	38.175017	Canon City	Hardscrabble Mountain	U-Pb	Zircon	1679	2	1679	Jones (2005)	Upper intercept age based on three fractions of zircons with no recognizable overgrowths. Two fractions with secondary overgrowths are interpreted by Jones (2005) to indicate metamorphism at 1640.
424	Felsic gneiss	Hardscabble Creek area	J01-RG2	-105.17175	38.175017	Canon City	Hardscrabble Mountain	U-Pb	Zircon	1691	Not report	1691	Jones (2005)	Three fractions yield 207Pb/206Pb ages of 1643, 1659, 1691; Jones (2005) interprets 1691 Ma as the approximate age of basement gneisses in the area.
425	Amphibolite	Hardscabble Creek area	J01-RG3a	-105.17175	38.175017	Canon City	Hardscrabble Mountain	U-Pb	Zircon	1680	Not report	1680	Jones (2005)	Upper intercept of two fractions; interpreted by Jones (2005) to be the time of crystallization of protolith. He also interprets a single fraction at 1436 Ma to indicate metamorphism.
426	Amphibolite	Hardscabble Creek area	J01-RG3a	-105.17175	38.175017	Canon City	Hardscrabble Mountain	U-Pb	Titanite	1390	7	1390	Jones (2005)	Average of 207Pb/206Pb ages from three fractions; interpreted by Jones (2005) to indicate metamorphic recrystallization of titanite.
427	Amphibolite	Inclusion in granite of Bear Creek	J01-WC1	-105.1673667	37.92325	Blanca Peak	Bear Creek	U-Pb	Zircon	1436	2	1436	Jones (2005)	Date is average 207Pb/206Pb age of three fractions; interpreted by Jones (2005) to be a metamorphic age.
428	Gneissic granite	Granite of Bear Creek	J01-WC2	-105.1673667	37.92325	Blanca Peak	Bear Creek	U-Pb	Zircon	1435	4	1435	Jones (2005)	Date is average 207Pb/206Pb age of three fractions which overlap concordia; interpreted by Jones (2005) to be age of granite crystallization.
429	Gneissic granite	Granite of Bear Creek	J01-WC2	-105.1673667	37.92325	Blanca Peak	Bear Creek	U-Pb	Titanite	1375	2	1375	Jones (2005)	Age is upper intercept based on three fractions; two other fractions give upper intercept of 1362 Ma. Interpreted by Jones (2005) to indicate metamorphism due to intrusion of the San Isabel granite.
430	Granite	Granite of Bear Creek	J01-WC3	-105.1673667	37.92325	Blanca Peak	Bear Creek	U-Pb	Zircon	1390	10	1390	Jones (2005)	Sill. Age is lower intercept based on three fractions. Interpreted by Jones (2005) to be age of crystallization of the sill.
431	Pegmatite	In Blue Ridge quartzite	J03-BR4	-105.3008333	38.561617	Pikes Peak	Rice Mountain	U-Pb	Zircon	1436	Not report	1436	Jones (2005)	Pegmatite cuts sheared granodiorite and folded quartzite at Blue Ridge. Inherited Pb makes interpretation difficult.
432	Quartzite	Phantom Canyon quartzite	J03-PC1	-105.1238333	38.536117	Pikes Peak	Phantom Canyon	U-Pb	Zircon (detrital)	1701	Not report	1701	Jones (2005)	Date is average of three 207Pb/206Pb ages on fractions of detrital zircons; all fractions are highly discordant (up to 42%).
433	Quartzite	Phantom Canyon quartzite	J03-PC1	-105.1238333	38.536117	Pikes Peak	Phantom Canyon	U-Pb	Zircon (detrital)	1700	10	1700	Jones (2005)	Cited date is the statistical median of 207Pb/206Pb age distribution; range is 1520 - 2630 Ma.
434	Quartz diorite	Crampton Mountain pluton	J03-TM1	-105.4216911	38.479447	Canon City	McIntyre Hills	U-Pb	Titanite	0	Not report	1404 - 1443	Jones (2005)	Three fractions yield 207Pb/206Pb ages of 1404, 1422, and 1443 Ma. Jones (2005) interprets these dates to indicate recrystallization during a protracted metamorphic event.
435	Granodiorite	Twin Mountain pluton	K00-BR-25	-105.2977833	38.5755	Pikes Peak	Rice Mountain	U-Pb	Zircon	1698	4	1698	Jones (2005)	Date is average of 207Pb/206Pb ages of three fractions; fourth fraction apparently has inherited core. Location from J.V. Jones (written communication, 2006).
436	Pegmatite	In Blue Ridge quartzite	K00-BR-26	-105.3008333	38.561617	Pikes Peak	Rice Mountain	U-Pb	Zircon	1436	Not report	1436	Jones (2005)	Pegmatite cuts sheared granodiorite and folded quartzite at Blue Ridge. Inherited Pb makes interpretation difficult.
437	Monzogranite	Marshall Gulch monzogranite	J01-MG1	-105.7272178	38.048154	Canon City	Rito Alto Peak	U-Pb	Zircon	1695	2	1695	Jones (2005); Jones and Connelly (2006)	Date is average 207Pb/206Pb age of two concordant fractions.
438	Monzogranite	Marshall Gulch monzogranite	J01-MG1	-105.7269163	38.048156	Canon City	Rito Alto Peak	U-Pb	Titanite	1637	6	1637	Jones (2005); Jones and Connelly (2006)	238U/204Pb-206Pb/204Pb isochron age based on three points. Jones (2005) interprets date as time of metamorphic recrystallization.
439	Tonalite	Small stock in Crestone pluton	J01-MG2	-105.7336	38.0476	Canon City	Rito Alto Peak	U-Pb	Zircon	1693	2	1693	Jones (2005); Jones and Connelly (2006)	Xenolith in Marshall Gulch pluton. Upper intercept age based on three (of five) fractions.
440	Pegmatite	Intrudes tonalite stock in Crestone pluton	J01-MG3	-105.7378667	38.0466	Canon City	Rito Alto Peak	U-Pb	Zircon	1407	6	1407	Jones (2005); Jones and Connelly (2006)	Pegmatite cuts Marshall Gulch pluton. Upper intercept age based on three (of four) fractions.
441	Quartz monzonite	Music Pass pluton	J01-MP1	-105.5016833	37.9225	Blanca Peak	Crestone Peak	U-Pb	Zircon	1434	2	1434	Jones (2005); Jones and Connelly (2006)	Upper intercept age based on four fractions.
442	Quartz monzonite	Music Pass pluton	J01-MP1	-105.5016833	37.9225	Blanca Peak	Crestone Peak	U-Pb	Titanite	1412	4	1412	Jones (2005); Jones and Connelly (2006)	Upper intercept age based on three fractions; interpreted by Jones (2005) to be the age of metamorphic recrystallization.
443	Pegmatite	Intrudes Music Mountain pluton	J01-MP2	-105.5016833	37.9225	Blanca Peak	Crestone Peak	U-Pb	Zircon	1434	Not report	1434	Jones (2005); Jones and Connelly (2006)	Pegmatite cuts foliation in Music Pass quartz monzonite. Age is estimate based on 207Pb/206Pb dates for two (of four) fractions, one of which overlaps concordia at 1434 Ma.
444	Quartz monzonite	Crestone quartz monzonite	J01-RA60	-105.6786667	38.002767	Canon City	Rito Alto Peak	U-Pb	Zircon	1682	3	1682	Jones (2005); Jones and Connelly (2006)	Upper intercept age based on four (of four) fractions.
445	Quartz monzonite	Crestone quartz monzonite	J01-RA60	-105.6786667	38.002767	Canon City	Rito Alto Peak	U-Pb	Titanite	1420	4	1420	Jones (2005); Jones and Connelly (2006)	Upper intercept age based on three (of four) fractions; interpreted by Jones (2005) to be the age of metamorphic recrystallization. The fourth fraction yields a concordant age of 1489 Ma.
446	Amphibolite	Near Crestone pluton	J02-C1	-105.6581167	37.991917	Blanca Peak	Crestone	U-Pb	Zircon	1760	Not report	1760	Jones (2005); Jones and Connelly (2006)	Amphibolite in contact aureole of Crestone pluton. Upper intercept based on two (of seven) fractions. Zircon imaging indicates multiple zones.
447	Granodiorite	Boulder Creek batholith, near Wallstreet	BCG	-105.3808	40.0419	Estes Park	Gold Hill	40Ar/39Ar	Hornblende	1414	4		Kane (1988)	Preferred age.
448	Granodiorite	Boulder Creek batholith, near Wallstreet	BCG	-105.3808	40.0419	Estes Park	Gold Hill	40Ar/39Ar	Biotite	1321	10		Kane (1988)	Preferred age; some Ar loss.
449	Granodiorite	Boulder Creek batholith, near Wallstreet	BCG	-105.3808	40.0419	Estes Park	Gold Hill	40Ar/39Ar	Microcline	1110	10		Kane (1988)	Preferred age, thermally disturbed.
450	Hydrothermal breccia zone	Copper Rock, near Sunset	CPR 4	-105.4394736	40.036447	Estes Park	Gold Hill	40Ar/39Ar	Adularia	46	1.00		Kane (1988); Kane and others (1988)	Probably cored by Precambrian feldspar.
451	Pb/Ag vein	Mud vein	Log 19A	-105.3769	40.0342	Estes Park	Gold Hill	40Ar/39Ar	Adularia	62.1	0.37		Kane (1988); Kane and others (1988)	Plateau age.
452	Alkali syenite	Sugarloaf stock	Tas 2	-105.4179326	40.026564	Estes Park	Gold Hill	40Ar/39Ar	Hornblende	43.5	1.00		Kane (1988); Kane and others (1988)	Total fusion age.
453	Quartz monzonite	Poison Ridge stock	BBD 25	-106.2466667	40.318333	Steamboat Springs	Parkview Mountain	FT	Zircon	23.9	0.5	23.9	Karimpour (1982); Karimpour and Atkinson (1983)	A.O. Complex porphyry copper deposit. Drill hole sample from 1,350 feet depth.
454	Quartz monzonite	Poison Ridge stock	DDH 105/1000	-106.2466667	40.318333	Steamboat Springs	Parkview Mountain	FT	Zircon	23.5	0.5	23.5	Karimpour (1982); Karimpour and Atkinson (1983)	A.O. Complex porphyry copper deposit. Drill hole sample from 1,000 feet depth.
455	Quartz monzonite	Poison Ridge stock	DDH 105/1000	-106.2466667	40.318333	Steamboat Springs	Parkview Mountain	FT	Apatite	24	0.5	24.04	Karimpour (1982); Karimpour and Atkinson (1983)	A.O. Complex porphyry copper deposit. Drill hole sample from 1,000 feet depth.
456	Quartz monzonite	Poison Ridge stock	DDH 105/550	-106.2466667	40.318333	Steamboat Springs	Parkview Mountain	FT	Zircon	23.5	0.5	23.5	Karimpour (1982); Karimpour and Atkinson (1983)	A.O. Complex porphyry copper deposit. Drill hole sample from 550 feet depth.
457	Quartz monzonite	Poison Ridge stock	DDH 105/550	-106.2466667	40.318333	Steamboat Springs	Parkview Mountain	FT	Zircon	24	0.5	24	Karimpour (1982); Karimpour and Atkinson (1983)	A.O. Complex porphyry copper deposit. Drill hole sample from 550 feet depth.
458	Metasedimentary rock	West-central Park Range	97PARK01	-106.9146667	40.769	Walden	Hahns Peak	FT	Apatite	53.8	5.8	53.8	Kelley (2005)	Track lengths measured.
459	Granite	Buffalo Pass pluton	97PARK02	-106.6883333	40.382667	Steamboat Springs	Mount Werner	FT	Apatite	69.2	5.3	69.2	Kelley (2005)	Track lengths measured.
460	Gneiss	West side of Rabbit Ears Pass	97PARK03	-106.7408333	40.369167	Steamboat Springs	Walton Peak	FT	Apatite	70.3	5.3	70.3	Kelley (2005)	Track lengths measured.
461	Migmatite	West side of Rabbit Ears Pass	97PARK04	-106.7473333	40.348667	Steamboat Springs	Walton Peak	FT	Apatite	63.8	4.7	63.8	Kelley (2005)	Track lengths measured.
462	Granite	West side of Rabbit Ears Pass	97PARK05	-106.773	40.360833	Steamboat Springs	Blacktail Mountain	FT	Apatite	68.9	6.7	68.9	Kelley (2005)	Track lengths measured.
463	Granitic gneiss	West side of Rabbit Ears Pass	97PARK07	-106.79	40.369667	Steamboat Springs	Blacktail Mountain	FT	Apatite	63.8	6.4	63.8	Kelley (2005)	Track lengths measured.
464	Granite	West side of Rabbit Ears Pass	97PARK08	-106.798	40.3775	Steamboat Springs	Steamboat Springs	FT	Apatite	73.5	4.1	73.5	Kelley (2005)	Track lengths measured.
465	Granite	West side of Rabbit Ears Pass	97PARK09	-106.8083333	40.387333	Steamboat Springs	Steamboat Springs	FT	Apatite	64.1	3.7	64.1	Kelley (2005)	Track lengths measured.
466	Gneiss	Buffalo Pass pluton	97PARK10	-106.7196667	40.529833	Walden	Buffalo Pass	FT	Apatite	69.2	5.4	69.2	Kelley (2005)	Track lengths measured.
467	Granite	Mt. Ethel pluton	97PARK12	-106.6978333	40.591167	Walden	Buffalo Pass	FT	Apatite	55.1	7	55.1	Kelley (2005)	Track lengths measured.
468	Gneiss	South-central Park Range	97PARK13	-106.7003333	40.558333	Walden	Buffalo Pass	FT	Apatite	57.6	13.6	57.6	Kelley (2005)	Track lengths measured.
469	Granite	Mt. Ethel pluton	97PARK15	-106.7808333	40.650333	Walden	Floyd Peak	FT	Apatite	63.2	4.8	63.2	Kelley (2005)	Track lengths measured.
470	Granite	Mt. Ethel pluton	97PARK16	-106.8315	40.616667	Walden	Rocky Peak	FT	Apatite	46.5	3.9	46.5	Kelley (2005)	Track lengths measured.
471	Gneiss	Buffalo Pass pluton	97PARK17	-106.845	40.604167	Walden	Rocky Peak	FT	Apatite	53.8	4	53.8	Kelley (2005)	Track lengths measured.
472	Gneiss	North of Steamboat Springs	97PARK18	-106.8808333	40.573667	Walden	Mad Creek	FT	Apatite	58.9	4.2	58.9	Kelley (2005)	Track lengths measured.
473	Gneiss	North of Steamboat Springs	97PARK19	-106.8853333	40.567667	Walden	Mad Creek	FT	Apatite	60.1	3.9	60.1	Kelley (2005)	Track lengths measured.
474	Gneiss	North of Buffalo Mountain, Park Range	97PARK20	-106.76	40.527167	Walden	Rocky Peak	FT	Apatite	54.5	4.2	54.5	Kelley (2005)	Track lengths measured.
475	Gneiss	North of Buffalo Mountain, Park Range	97PARK21	-106.7781667	40.528833	Walden	Rocky Peak	FT	Apatite	64.6	5	64.6	Kelley (2005)	Track lengths measured.
476	Gneiss	North of Buffalo Mountain, Park Range	97PARK22	-106.8078333	40.525833	Walden	Rocky Peak	FT	Apatite	68.8	4.7	68.8	Kelley (2005)	Track lengths measured.
477	Gneiss	North of Steamboat Springs	97PARK23	-106.8128333	40.514833	Walden	Rocky Peak	FT	Apatite	71	4.8	71	Kelley (2005)	Track lengths measured.
478	Gneiss	Central Park Range	97PARK24	-106.7748333	40.769833	Walden	Farwell Mountain	FT	Apatite	76.1	4.4	76.1	Kelley (2005)	Track lengths measured.
479	Gneiss	Central Park Range	97PARK25	-106.7893333	40.764833	Walden	Farwell Mountain	FT	Apatite	67.8	5.7	67.8	Kelley (2005)	Track lengths measured.
480	Gneiss	Central Park Range	97PARK26	-106.808	40.758333	Walden	Farwell Mountain	FT	Apatite	70.9	11.1	70.9	Kelley (2005)	Track lengths measured.
481	Schist	Central Park Range	97PARK27	-106.8461667	40.7475	Walden	Floyd Peak	FT	Apatite	51.5	5.3	51.5	Kelley (2005)	Track lengths measured.
482	Gneiss	Central Park Range	97PARK29	-106.8876667	40.725667	Walden	Clark	FT	Apatite	50.8	4.8	50.8	Kelley (2005)	Track lengths measured.
483	Siltstone	Chugwater Formation	97PARK30	-106.9091667	40.7395	Walden	Clark	FT	Apatite	66.8	5	66.8	Kelley (2005)	Track lengths measured.
484	Granite	Mt. Ethel pluton	98PARK88	-106.6001667	40.721333	Walden	Pitchpine Mountain	FT	Apatite	54.6	4.7	54.6	Kelley (2005)	Track lengths measured.
485	Granite	West of Elevenmile Reservoir	11e	-105.5586667	38.934167	Pikes Peak	Spinney Mountain	FT	Apatite	94.1	7.4	94.1	Kelley and Chapin (2004)	Track lengths measured.
486	Granite	West of Elevenmile Reservoir	11n	-105.56	38.933333	Pikes Peak	Spinney Mountain	FT	Apatite	265	39	264.7	Kelley and Chapin (2004)	Track lengths measured.
487	Granite	South of Elevenmile Reservoir	11s	-105.5021667	38.902	Pikes Peak	Spinney Mountain	FT	Apatite	128	12.1	127.6	Kelley and Chapin (2004)	Track lengths measured.
488	Granodiorite	Cripple Creek pluton	92PP03	-105.0523333	38.687333	Pikes Peak	Farisita	FT	Apatite	124	11.2	123.6	Kelley and Chapin (2004)	Track lengths measured.
489	Granodiorite	Cripple Creek pluton	92PP04	-105.1246667	38.702667	Pikes Peak	Big Bull Mountain	FT	Apatite	26.9	2	26.9	Kelley and Chapin (2004)	Track lengths measured.
490	Granodiorite	Cripple Creek pluton	92PP05	-105.1158333	38.654	Pikes Peak	Big Bull Mountain	FT	Apatite	212	21	211.7	Kelley and Chapin (2004)	Track lengths measured.
491	Granodiorite	Cripple Creek pluton	92PP06	-105.1333333	38.614	Pikes Peak	Cooper Mountain	FT	Apatite	66.2	3.9	66.2	Kelley and Chapin (2004)	Track lengths measured.
492	Granodiorite	Phantom Canyon pluton	92PP07	-105.086	38.5715	Pikes Peak	Phantom Canyon	FT	Apatite	66.6	6.3	66.6	Kelley and Chapin (2004)	Track lengths measured.
493	Migmatitic gneiss	Phantom Canyon	92PP08	-105.1036667	38.548667	Pikes Peak	Phantom Canyon	FT	Apatite	56.8	8.9	56.8	Kelley and Chapin (2004)	Track lengths measured.

494	Migmatitic gneiss	Phantom Canyon	92PP09	-105.1248333	38.5195	Pikes Peak	Phantom Canyon	FT	Apatite	59.7	5.5	59.7	Kelley and Chapin (2004)	Track lengths measured.
495	Migmatitic gneiss	Phantom Canyon	92PP10	-105.1048333	38.504	Pikes Peak	Phantom Canyon	FT	Apatite	57.1	7.1	57.1	Kelley and Chapin (2004)	Track lengths measured.
496	Granodiorite	Oak Creek pluton	92WM01	-105.2333333	38.345	Canon City	Rockvale	FT	Apatite	195	11.8	195.1	Kelley and Chapin (2004)	Track lengths measured.
497	Granodiorite	Oak Creek pluton	92WM03	-105.2433333	38.331667	Canon City	Rockvale	FT	Apatite	299	20	298.8	Kelley and Chapin (2004)	Track lengths measured.
498	Granodiorite	Oak Creek pluton	92WM04	-105.235	38.33	Canon City	Rockvale	FT	Apatite	290	14.5	290.2	Kelley and Chapin (2004)	Track lengths measured.
499	Granite	Oak Creek pluton	92WM05	-105.2590294	38.29989	Canon City	Curley Peak	FT	Apatite	80.8	21	80.8	Kelley and Chapin (2004)	
500	Migmatitic gneiss	Mount Tyndall area	92WM07	-105.345	38.226667	Canon City	Mount Tyndall	FT	Apatite	189	11.4	188.6	Kelley and Chapin (2004)	Track lengths measured.
501	Migmatitic gneiss	Mount Tyndall area	92WM08	-105.3666667	38.205	Canon City	Mount Tyndall	FT	Apatite	141	10.2	140.6	Kelley and Chapin (2004)	Track lengths measured.
502	Migmatitic gneiss	Mount Tyndall area	92WM09	-105.4037968	38.181677	Canon City	Westcliffe	FT	Apatite	181	11.4	180.8	Kelley and Chapin (2004)	Track lengths measured.
503	Migmatitic gneiss	McKenzie Junction	92WM10	-105.1916667	38.165	Canon City	Hardscrabble Mountain	FT	Apatite	123	8.8	123	Kelley and Chapin (2004)	Track lengths measured.
504	Granite	Mount Tyndall area	92WM11	-105.26	38.16	Canon City	Mount Tyndall	FT	Apatite	110	11.2	109.5	Kelley and Chapin (2004)	Track lengths measured.
505	Migmatitic gneiss	Hardscabble Creek area	92WM12	-105.1483333	38.175	Canon City	Hardscrabble Mountain	FT	Apatite	53.4	5.5	53.4	Kelley and Chapin (2004)	Track lengths measured.
506	Migmatitic gneiss	Hardscabble Creek area	92WM13	-105.1683333	38.175	Canon City	Hardscrabble Mountain	FT	Apatite	116	10.6	115.9	Kelley and Chapin (2004)	Track lengths measured.
507	Migmatitic gneiss	Deer Peak area	92WM14	-105.1266667	38.115	Canon City	Deer Peak	FT	Apatite	138	11.2	138.4	Kelley and Chapin (2004)	Track lengths measured.
508	Migmatitic gneiss	Deer Peak area	92WM15	-105.145	38.098333	Canon City	Deer Peak	FT	Apatite	119	8.6	118.8	Kelley and Chapin (2004)	Track lengths measured.
509	Migmatitic gneiss	Greenhorn Peaks area	92WM16	-105.0201733	37.899643	Blanca Peak	San Isabel	FT	Apatite	228	16.6	228.3	Kelley and Chapin (2004)	Track lengths measured.
510	Granite	Granite of Custer Creek	92WM19	-105.04	37.893333	Blanca Peak	San Isabel	FT	Apatite	220	12.9	219.8	Kelley and Chapin (2004)	Track lengths measured.
511	Granite	Greenhorn Peaks area	92WM20	-105.0666667	37.933333	Blanca Peak	San Isabel	FT	Apatite	187	13.2	187.4	Kelley and Chapin (2004)	Track lengths measured.
512	Granite	Williams Creek pluton	92WM22	-105.184608	38.000234	Canon City	Deer Peak	FT	Apatite	211	12.6	210.7	Kelley and Chapin (2004)	Track lengths measured.
513	Granite	Greenhorn Peaks area	92WM24	-105.0133333	37.900833	Blanca Peak	San Isabel	FT	Apatite	199	12.9	199.1	Kelley and Chapin (2004)	Track lengths measured.
514	Granodiorite	Cripple Creek pluton	93GP01	-105.2205	38.653833	Pikes Peak	Cripple Creek South	FT	Apatite	111	6.7	110.9	Kelley and Chapin (2004)	Track lengths measured.
515	Granodiorite	Cripple Creek pluton	93GP02	-105.2188333	38.626667	Pikes Peak	Cripple Creek South	FT	Apatite	172	17.9	172.2	Kelley and Chapin (2004)	Track lengths measured.
516	Granodiorite	Cripple Creek pluton	93GP03	-105.1986667	38.608333	Pikes Peak	Cooper Mountain	FT	Apatite	170	18.5	170.5	Kelley and Chapin (2004)	Track lengths measured.
517	Granodiorite	Cripple Creek pluton	93GP04B	-105.204	38.609833	Pikes Peak	Cooper Mountain	FT	Apatite	156	11.6	156.3	Kelley and Chapin (2004)	Track lengths measured.
518	Granodiorite	Cripple Creek pluton	93GP05	-105.2093333	38.610833	Pikes Peak	Cooper Mountain	FT	Apatite	194.6	17.7	194.6	Kelley and Chapin (2004)	
519	Granodiorite	Cripple Creek pluton	93GP06	-105.2116667	38.614167	Pikes Peak	Cooper Mountain	FT	Apatite	66.9	4.4	66.9	Kelley and Chapin (2004)	Track lengths measured.
520	Granodiorite	Cripple Creek pluton	93GP07	-105.2188406	38.608551	Pikes Peak	Cooper Mountain	FT	Apatite	63.6	4	63.6	Kelley and Chapin (2004)	Track lengths measured.
521	Gneiss	Royal Gorge.	93RG01	-105.2657445	38.433975	Canon City	Royal Gorge	FT	Apatite	115	6.8	115	Kelley and Chapin (2004)	Track lengths measured.
522	Migmatitic gneiss	Hardscabble Creek area	93WM29	-105.1295	38.176167	Canon City	Hardscrabble Mountain	FT	Apatite	122	8.3	122.3	Kelley and Chapin (2004)	Track lengths measured.
523	Migmatitic gneiss	San Isabel area	93WM31	-105.004	38.046333	Canon City	Saint Charles Peak	FT	Apatite	31.1	3.7	31.1	Kelley and Chapin (2004)	Track lengths measured.
524	Granodiorite	Garrell Peak pluton	94ARK01	-105.7371667	38.359833	Canon City	Cotopaxi	FT	Apatite	77.5	4.7	77.5	Kelley and Chapin (2004)	Track lengths measured.
525	Granodiorite	Garrell Peak pluton	94ARK03	-105.683	38.371333	Canon City	Cotopaxi	FT	Apatite	54.7	4.5	54.7	Kelley and Chapin (2004)	Track lengths measured.
526	Gneiss	Texas Creek area	94ARK05	-105.574	38.414667	Canon City	Echo	FT	Apatite	74.9	6.5	74.9	Kelley and Chapin (2004)	Track lengths measured.
527	Granite	Texas Creek area	94ARK06	-105.5391667	38.439167	Canon City	Echo	FT	Apatite	164	13.2	164	Kelley and Chapin (2004)	Track lengths measured.
528	Gneiss	Texas Creek area	94ARK07	-105.5268742	38.444406	Canon City	Echo	FT	Apatite	91.7	9.9	91.7	Kelley and Chapin (2004)	Track lengths measured.
529	Diorite	Crampton Mountain pluton	94ARK08	-105.4066667	38.484167	Canon City	McIntyre Hills	FT	Apatite	170	11.3	169.8	Kelley and Chapin (2004)	Track lengths measured.
530	Diorite	Crampton Mountain pluton	94ARK09	-105.3706667	38.486833	Canon City	Royal Gorge	FT	Apatite	174	11.9	173.8	Kelley and Chapin (2004)	Track lengths measured.
531	Granodiorite	Crampton Mountain pluton	94ARK10	-105.447	38.471833	Canon City	McIntyre Hills	FT	Apatite	171	15.3	171.3	Kelley and Chapin (2004)	Track lengths measured.
532	Gneiss	Texas Creek area	94ARK11	-105.5	38.454667	Canon City	Echo	FT	Apatite	134	11.8	134	Kelley and Chapin (2004)	
533	Granite	Stoll Mountain pluton	94SPR02	-105.497	38.931	Pikes Peak	Elevenmile Canyon	FT	Apatite	80.9	7.2	80.9	Kelley and Chapin (2004)	Track lengths measured.
534	Pegmatite	Stoll Mountain pluton	94SPR03	-105.4711667	38.952167	Pikes Peak	Elevenmile Canyon	FT	Apatite	143	9	143	Kelley and Chapin (2004)	Track lengths measured.
535	Gneiss	Stoll Mountain pluton	94SPR04	-105.4478333	38.974	Pikes Peak	Elevenmile Canyon	FT	Apatite	139	18	138.7	Kelley and Chapin (2004)	Track lengths measured.
536	Gneiss	Stoll Mountain pluton	94SPR06	-105.3888333	38.989167	Pikes Peak	Elevenmile Canyon	FT	Apatite	252	15.8	252.1	Kelley and Chapin (2004)	Track lengths measured.
537	Granite	West McCoy Gulch stock	95ARK04	-105.5889376	38.40845	Canon City	Echo	FT	Apatite	75.8	7.2	75.8	Kelley and Chapin (2004)	Track lengths measured.
538	Granite	Texas Creek area	95ARK07	-105.5208333	38.447333	Canon City	Echo	FT	Apatite	126	10	126.2	Kelley and Chapin (2004)	Track lengths measured.
539	Pegmatite	Texas Creek area	95ARK11	-105.4943333	38.452333	Canon City	McIntyre Hills	FT	Apatite	129	10.8	128.8	Kelley and Chapin (2004)	Track lengths measured.
540	Granodiorite	Garrell Peak pluton	97ARK12	-105.6663333	38.436667	Canon City	Arkansas Mountain	FT	Apatite	62.5	4.6	62.5	Kelley and Chapin (2004)	
541	Granodiorite	Garrell Peak pluton	97ARK13	-105.677	38.438833	Canon City	Arkansas Mountain	FT	Apatite	62.4	4.4	62.4	Kelley and Chapin (2004)	Track lengths measured.
542	Granodiorite	Garrell Peak pluton	97ARK17	-105.7621667	38.492333	Canon City	Howard	FT	Apatite	46.7	3.3	46.7	Kelley and Chapin (2004)	Track lengths measured.
543	Granodiorite	Garrell Peak pluton	97ARK18	-105.7806935	38.496607	Canon City	Howard	FT	Apatite	54.9	5.1	54.9	Kelley and Chapin (2004)	Track lengths measured.
544	Granodiorite	Garrell Peak pluton	97ARK21	-105.7173811	38.4333	Canon City	Arkansas Mountain	FT	Apatite	59	4.3	59	Kelley and Chapin (2004)	Track lengths measured.
545	Arkose	Pennsylvanian arkose	97ARK22	-105.7050437	38.430727	Canon City	Arkansas Mountain	FT	Apatite	63.9	5.2	63.9	Kelley and Chapin (2004)	Track lengths measures.
546	Quartz monzonite	North of Texas Creek	97ARK24	-105.5845	38.457	Canon City	Echo	FT	Apatite	87.9	6	87.9	Kelley and Chapin (2004)	Track lengths measured.
547	Gneiss	North of Texas Creek	97ARK25	-105.5903694	38.458423	Canon City	Echo	FT	Apatite	212	12.2	212.1	Kelley and Chapin (2004)	Track lengths measured.
548	Gneiss	North of Texas Creek	97ARK26	-105.5923333	38.452833	Canon City	Echo	FT	Apatite	95.9	6.3	95.9	Kelley and Chapin (2004)	Track lengths measured.
549	Granite	Agate Mountain area	CC-Ft	-105.7771667	38.838333	Pikes Peak	Agate Mountain	FT	Apatite	97.5	15.2	97.5	Kelley and Chapin (2004)	
550	Granodiorite	Twin Mountain pluton	Egd	-105.4231667	38.559333	Pikes Peak	Gribble Mountain	FT	Apatite	230	17.9	230	Kelley and Chapin (2004)	Track lengths measured.
551	Gneiss	North of Crampton Mountain	Egn	-105.4665	38.615	Pikes Peak	Gribble Mountain	FT	Apatite	200	16.7	199.7	Kelley and Chapin (2004)	Track lengths measured.
552	Gneiss	North of Crampton Mountain	EGN2	-105.4751667	38.660333	Pikes Peak	Cover Mountain	FT	Apatite	84.8	5.5	84.8	Kelley and Chapin (2004)	Track lengths measured.
553	Quartz diorite	Crampton Mountain pluton	Eqd	-105.4480677	38.621266	Pikes Peak	Gribble Mountain	FT	Apatite	60.6	7.2	60.6	Kelley and Chapin (2004)	Track lengths measured.
554	Gneiss	North of Crampton Mountain	Wgn	-105.4865	38.623	Pikes Peak	Gribble Mountain	FT	Apatite	184	16	183.9	Kelley and Chapin (2004)	Track lengths measured.
555	Quartz diorite	Crampton Mountain pluton	Wqd	-105.449	38.611833	Pikes Peak	Gribble Mountain	FT	Apatite	85.4	8	85.4	Kelley and Chapin (2004)	Track lengths measured.
556	Granite	Mount Princeton pluton	84MP01	-106.2231667	38.717333	Gunnison	Mount Antero	FT	Apatite	12.3	1.5	12.3	Kelley and others (1992)	Track lengths measured.
557	Granite	Mount Princeton pluton	84MP02	-106.2006667	38.742	Gunnison	Mount Antero	FT	Apatite	14.1	1.8	14.1	Kelley and others (1992)	Track lengths measured.
558	Granite	Mount Princeton pluton	84MP03	-106.1928333	38.742167	Gunnison	Mount Antero	FT	Apatite	13.2	1.5	13.2	Kelley and others (1992)	Track lengths measured.
559	Granite	Mount Princeton pluton	84MP04	-106.1865	38.742833	Gunnison	Mount Antero	FT	Apatite	9.5	0.8	9.5	Kelley and others (1992)	Track lengths measured.
560	Granite	Mount Princeton pluton	84MP05	-106.1873333	38.7485	Gunnison	Mount Antero	FT	Apatite	9.6	1.2	9.6	Kelley and others (1992)	Track lengths measured.
561	Granite	Mount Princeton pluton	84MP06	-106.3515	38.7425	Gunnison	Saint Elmo	FT	Apatite	22.9	2.5	22.9	Kelley and others (1992)	Track lengths measured.
562	Granite	Mount Princeton pluton	84MP07	-106.3493333	38.741333	Gunnison	Saint Elmo	FT	Apatite	22.9	2.5	22.9	Kelley and others (1992)	Track lengths measured.
563	Granite	Mount Princeton pluton	84MP08	-106.3463333	38.74	Gunnison	Saint Elmo	FT	Apatite	23.1	2.8	23.1	Kelley and others (1992)	Track lengths measured.
564	Granite	Mount Princeton pluton	84MP09	-106.3441667	38.719	Gunnison	Saint Elmo	FT	Apatite	17.8	1.8	17.8	Kelley and others (1992)	Track lengths measured.
565	Granite	Mount Princeton pluton	84MP10	-106.3374844	38.703957	Gunnison	Saint Elmo	FT	Apatite	20.1	2.3	20.1	Kelley and others (1992)	Track lengths measured.
566	Granite	Mount Princeton pluton	84MP11	-106.3008333	38.706333	Gunnison	Saint Elmo	FT	Apatite	15.3	1.9	15.3	Kelley and others (1992)	Track lengths measured.
567	Granite	Mount Princeton pluton	84MP12	-106.2559825	38.713253	Gunnison	Saint Elmo	FT	Apatite	14.8	1.9	14.8	Kelley and others (1992)	Track lengths measured.
568	Gneiss	Medano Peak area	88SG01	-105.4566667	37.747	Blanca Peak	Mosca Pass	FT	Apatite	12.8	2.3	12.8	Kelley and others (1992)	Track lengths measured.
569	Granite	Pluton of Medano Peak	88SG03	-105.4611667	37.730667	Blanca Peak	Mosca Pass	FT	Apatite	10.4	1.3	10.4	Kelley and others (1992)	Track lengths measured.
570	Metasediment	Minturn Formation	88SG05	-105.506	37.733333	Blanca Peak	Zapata Ranch	FT	Apatite	5.6	1.4	5.6	Kelley and others (1992)	
571	Sandstone	Minturn Formation	88SG06	-105.1641667	37.289	Alamosa	Trinchera Peak	FT	Apatite	37.2	5.9	37.2	Kelley and others (1992)	Track lengths measured.
572	Sandstone	Minturn Formation	88SG07	-105.1636667	37.297833	Alamosa	Trinchera Peak	FT	Apatite	31.4	4.1	31.4	Kelley and others (1992)	Track lengths measured.
573	Siltstone	Sangre de Cristo Formation	88SG08	-105.1275	37.318333	Alamosa	Trinchera Peak	FT	Apatite	18.6	2.5	18.6	Kelley and others (1992)	Track lengths measured.
574	Siltstone	Sangre de Cristo Formation	88SG09	-105.0948333	37.332	Alamosa	Cucharas Pass	FT	Apatite	19.4	2.3	19.4	Kelley and others (1992)	Track lengths measured.
575	Arkose	Sangre de Cristo Formation	88SG10	-105.189	37.613667	Blanca Peak	La Veta Pass	FT	Apatite	38.9	4	38.9	Kelley and others (1992)	Track lengths measured.
576	Sandstone	Minturn Formation	88SG11	-105.2948333	37.5315	Blanca Peak	Russell	FT	Apatite	28.5	2.6	28.5	Kelley and others (1992)	Track lengths measured.
577	Gneiss	La Veta Pass area	88SG12	-105.3418333	37.4945	Alamosa	Trinchera Ranch	FT	Apatite	22	2	22	Kelley and others (1992)	Track lengths measured.
578	Gabbro	Gabbro of Little Bear	88SG13	-105.4851667	37.577333	Blanca Peak	Blanca Peak	FT	Apatite	18	2	18	Kelley and others (1992)	Track lengths measured.
579	Gneiss	Blanca Peak pluton	88SG14	-105.5116667	37.568667	Blanca Peak	Twin Peaks	FT	Apatite	20.3	3.5	20.3	Kelley and others (1992)	
580	Granite	Tertiary stock, east of Blanca Peak	88SG16	-105.5563333	37.551	Blanca Peak	Twin Peaks	FT	Apatite	16	2.7	16	Kelley and others (1992)	
581	Tuff	Central Culebra Range	89SG19	-105.2905008	37.313288	Alamosa	Ojito Peak	FT	Apatite	29.3	3.7	29.3	Kelley and others (1992)	Track lengths measured.
582	Granitic gneiss	Central Culebra Range	89SG20	-105.2795	37.2925	Alamosa	Ojito Peak	FT	Apatite	29.3	7.1	29.3	Kelley and others (1992)	Track lengths measured.
583	Gneiss	Central Culebra Range	89SG21	-105.2581667	37.284	Alamosa	Ojito Peak	FT	Apatite	11.3	1.9	11.3	Kelley and others (1992)	Track lengths measured.
584	Pegmatite granite	Central Culebra Range	89SG22	-105.2785	37.248	Alamosa	Taylor Ranch	FT	Apatite	10.6	1.5	10.6	Kelley and others (1992)	Track lengths measured.
585	Granitic gneiss	Trinchera Ranch pluton	89SG23	-105.3106667	37.237333	Alamosa	Taylor Ranch	FT	Apatite	32.5	3.9	32.5	Kelley and others (1992)	Track lengths measured.
586	Quartzite	Central Culebra Range	89SG24	-105.3322997	37.254813	Alamosa	Ojito Peak	FT	Apatite	11.5	2.7	11.5	Kelley and others (1992)	
587	Granitic gneiss	Central Culebra Range	89SG26	-105.1851667	37.122167	Alamosa	Culebra Peak	FT	Apatite	42.3	7.9	42.3	Kelley and others (1992)	Track lengths measured.
588	Granite	Blanca Peak pluton	90SG30	-105.4753333	37.603167	Blanca Peak	Blanca Peak	FT	Apatite	13.4	2.7	13.4	Kelley and others (1992)	
589	Granite	Blanca Peak pluton	90SG31	-105.49	37.594833	Blanca Peak	Blanca Peak	FT	Apatite	17.5	3.7	17.5	Kelley and others (1992)	
590	Granite	Blanca Peak pluton	90SG32	-105.4826667	37.591667	Blanca Peak	Blanca Peak	FT	Apatite	12.7	3.1	12.7	Kelley and others (1992)	
591	Basalt	North of Eagle	1ABS13-9-99	-106.8372	39.7725	Vail	Castle Peak	40Ar/39Ar	Matrix	23.5	0.16	23.49	Kunk and others (2001)	Isochron age. Preferred age is 22.80 ± 0.12 based on multiple samples from same flow.
592	Basalt	North of Eagle	1CBS13-9-99	-106.8372	39.7725	Vail	Castle Peak	40Ar/39Ar	Matrix	22.7	0.15	22.68	Kunk and others (2001)	Isochron age. Preferred age is 22.80 ± 0.12 based on multiple samples from same flow.
593	Basalt	North of Eagle	1DBS13-9-99	-106.8367	39.7725	Vail	Castle Peak	40Ar/39Ar	Matrix	22.9	0.12	22.91	Kunk and others (2001)	Isochron age. Preferred age is 22.80 ± 0.12 based on multiple samples from same flow.
594	Basalt	North of Eagle	2ABS13-9-99	-106.8367	39.7725	Vail	Castle Peak	40Ar/39Ar	Matrix	22.2	0.26	22.25	Kunk and others (2001)	Isochron age. Preferred age is 22.49 ± 0.23 based on multiple samples from same flow.
595	Basalt	North of Eagle	2BBS13-9-99	-106.8367	39.7725	Vail	Castle Peak	40Ar/39Ar	Matrix	22.6	0.14	22.59	Kunk and others (2001)	Isochron age. Preferred age is 22.49 ± 0.23 based on multiple samples from same flow.
596	Basalt	North of Eagle	2CBS13-9-99	-106.8367	39.7725	Vail	Castle Peak	40Ar/39Ar	Matrix	22.6	0.27	22.62	Kunk and others (2001)	Isochron age. Preferred age is 22.49 ± 0.23 based on multiple samples from same flow.
597	Basalt	Flattops area	3BBS13-9-99	-107.1275	40.0333	Meeker	Devils Causeway	40Ar/39Ar	Matrix	22.6	0.41	22.61	Kunk and others (2001)	Isochron age. Preferred age is 22.58 ± 0.18 based on multiple samples of same flow.
598	Basalt	Flattops area	3CBS13-9-99	-107.1275	40.0333	Meeker	Devils Causeway	40Ar/39Ar	Matrix	22.6	0.18	22.56	Kunk and others (2001)	Isochron age. Preferred age is 22.58 ± 0.18 based on multiple samples of same flow.
599	Basalt	Basalt area	Ba36(1)	-107.055	39.359	Carbondale	Basalt	40Ar/39Ar	Matrix	13.8	0.25	13.81	Kunk and others (2001)	Isochron age.
600	Basalt	Basalt area	BR6(3)	-107.059	39.359	Carbondale	Basalt	40Ar/39Ar	Matrix	13.6	0.05	13.57	Kunk and others (2001)	Plateau age.
601	Basalt	Chester Mountain area	C69B	-107.4588889	39.4589	Carbondale	Center Mountain	40Ar/39Ar	Matrix	10.4	0.12	10.38	Kunk and Snee (1998)	Isochron age.
602	Basalt	Carbondale area	CC-132	-107.2880556	39.482778	Carbondale	Cattle Creek	40Ar/39Ar	Matrix	9.68	0.03	9.68	Kunk and Snee (1998)	Plateau age.
603	Basalt	Carbondale area	CC-140	-107.3638889	39.4133	Carbondale	Cattle Creek	40Ar/39Ar	Matrix	10.1	0.26	10.14	Kunk and Snee (1998)	Isochron age.
604	Basalt	Carbondale area	CCLA-5	-107.2816667	39.484722	Carbondale	Cattle Creek	40Ar/39Ar	Matrix	7.71	0.04	7.71	Kunk and Snee (1998)	Plateau age.
605	Basalt	Carbondale area	CD-152	-107.1658333	39.382778	Carbondale	Carbondale	40Ar/39Ar	Matrix	13.3	0.28	13.29	Kunk and Snee (1998)	Isochron age.
606	Basalt	Carbondale area	GL-100	-107.27	39.509722	Carbondale	Glenwood Springs	40Ar/39Ar	Matrix	22.6	1.3	22.04	Kunk and Snee (1998)	Isochron age. Preferred age is 22.56 ± 0.13 based on multiple samples from same flow.
607	Silicic dike	Flattops area	JS-98-13	-106.9531	39.8486	Vail	Burns South	40Ar/39Ar	Sanidine	20.2	0.05	20.16	Kunk and others (2001)	Weighted mean age.
608	Basalt	Carbondale area	K97-10-8A2	-107.15	39.4219	Carbondale	Carbondale	40Ar/39Ar	Matrix	9.88	0.06	9.88	Kunk and others (2001)	Plateau age. Preferred age is 9.89 ± 0.06 based on multiple samples of same flow.
609	Basalt	Carbondale area	K97-10-8A4	-107.15	39.4219	Carbondale	Carbondale	40Ar/39Ar	Matrix	9.89	0.07	9.89	Kunk and others (2001)	Plateau age.
610	Basalt	Carbondale area	K97-10-8C2	-107.27	39.515	Carbondale	Glenwood Springs	40Ar/39Ar	Matrix	23	0.33	23.05	Kunk and others (2001)	Isochron age. Preferred age is 22.56 ± 0.13 based on multiple samples from same flow.
611	Basalt	Carbondale area	K97-10-8C4	-107.27	39.515	Carbondale	Glenwood Springs	40Ar/39Ar	Matrix	22.6	0.13	22.56	Kunk and others (2001)	Plateau age.
612	Basalt	Carbondale area	K97-10-8E1	-107.2	39.4353	Carbondale	Carbondale	40Ar/39Ar	Matrix	9.75	0.06	9.75	Kunk and others (2001)	Plateau age.
613	Basalt	Carbondale area	K97-10-8E3	-107.2	39.4353	Carbondale	Carbondale	40Ar/39Ar	Matrix	10.5	2.34	10.47	Kunk and others (2001)	Isochron age. Preferred age is 9.75 ± 0.06 based on multiple samples from same flow.
614	Basalt	Carbondale area	K97-10-8F3	-107.2008	39.4344	Carbondale	Carbondale	40Ar/39Ar	Matrix	10.7	0.12	10.72	Kunk and others (2001)	Isochron age. Preferred age is 9.91 based on multiple samples of same flow.
615	Basalt	Carbondale area	K97-10-8F4	-107.2008	39.4344	Carbondale	Carbondale	40Ar/39Ar	Matrix	10.3	0.12	10.28	Kunk and others (2001)	Isochron age. Preferred age is 9.91 based on multiple samples of same flow.
616	Basalt	Basalt area	K97-8-11A1	-107.0039	39.3998	Carbondale	Leon	40Ar/39Ar	Matrix	10.5	0.21	10.47	Kunk and others (2001)	Isochron age. Preferred age is 10.49 ± 0.07 based on multiple samples from same flow.
617	Basalt	Basalt area	K97-8-11A2	-107.0039	39.3998	Carbondale	Leon	40Ar/39Ar	Matrix	10.5	0.07	10.49	Kunk and others (2001)	Plateau age.
618	Basalt	Basalt area	K97-8-11B	-107.0039	39.3998	Carbondale	Leon	40Ar/39Ar	Matrix	9.87	Not report	9.87	Kunk and others (2001)	Total gas age.
619	Basalt	Basalt area	K97-8-11C1	-107.0039	39.3998	Carbondale	Leon	40Ar/39Ar	Matrix	10.2	0.06	10.18	Kunk and others (2001)	Plateau age.
620	Basalt	Basalt area	K97-8-11C3	-107.0039	39.3998	Carbondale	Leon	40Ar/39Ar	Matrix	10.2	0.14	10.16	Kunk and others (2001)	Isochron age. Preferred age is 10.18 ± 0.06 based on multiple samples from same flow.
621	Basalt	Flattops area	K97-8-11D3	-107.0039	39.998	Carbondale	Leon	40Ar/39Ar	Matrix	11.4	Not report	11.39	Kunk and others (2001)	Total gas age.
622	Basalt	Basalt area	K97-8-11E1	-107.0022	39.3998	Carbondale	Leon	40Ar/39Ar	Matrix	10.1	0.17	10.07	Kunk and others (2001)	Isochron age.
623	Basalt	Basalt area	K97-8-11E2	-107.0022	39.3998	Carbondale	Leon	40Ar/39Ar	Matrix	10.2	0.07	10.2	Kunk and others (2001)	Isochron age. Preferred age is 10.07 ± 0.17 based on multiple samples from same flow.
624	Basalt	Basalt area	K97-8-11F	-107.0667	39.3485	Carbondale	Basalt	40Ar/39Ar	Sanidine	35.2	0.03	35.21	Kunk and others (2001)	Laser fusion, weighted mean age.
625	Basalt	Independence Pass area	K97-8-12A2	-106.9167	39.3028	Leadville	Woody Creek	40Ar/39Ar	Matrix	1.51	0.03	1.51	Kunk and others (2001)	Isochron age. Preferred age is 1.36 ± 0.04 based on multiple samples from same flow.
626	Basalt	Independence Pass area	K97-8-12B1	-106.9153	39.3056	Leadville	Woody Creek	40Ar/39Ar	Matrix	1.44	0.13	1.44	Kunk and others (2001)	Isochron age. Preferred age is 1.42 ± 0.13 based on multiple samples from same flow.
627	Basalt	Independence Pass area	K97-8-12B2	-106.9153	39.3056	Leadville	Woody Creek	40Ar/39Ar	Matrix	1.4	0.21	1.4	Kunk and others (2001)	Isochron age. Preferred age is 1.42 ± 0.13 based on multiple samples from same flow.
628	Basalt	Basalt area	K97-8-12E1	-107.0972	39.4086	Carbondale	Leon	40Ar/39Ar	Matrix	10.7	0.15	10.7	Kunk and others (2001)	Isochron age.
629	Basalt	Basalt area	K97-8-12E2	-107.0972	39.4086	Carbondale	Leon	40Ar/39Ar	Matrix	8.96	0.34	8.96	Kunk and others (2001)	Isochron age. Preferred age is 10.70 ± 0.15 based on multiple samples of same flow.
630	Basalt	Basalt area	K97-8-12F1	-107.0972	39.4086	Carbondale	Leon	40Ar/39Ar	Matrix	10.8	0.06	10.84	Kunk and others (2001)	Plateau age.
631	Basalt	Basalt area	K97-8-12F2	-107.0972	39.4086	Carbondale	Leon	40Ar/39Ar	Matrix	11.1	0.17	11.07	Kunk and others (2001)	Isochron age. Preferred age is 10.84 based on multiple samples of same flow.
632	Basalt	Basalt area	K97-8-12G	-107.1114	39.4676	Carbondale	Leon	40Ar/39Ar	Matrix	3.01	0.01	3.01	Kunk and others (2001)	Plateau age.
633	Basalt	Basalt area	K97-8-12H	-107.1089	39.4631	Carbondale	Leon	40Ar/39Ar	Matrix	3.09	0.02	3.09	Kunk and others (2001)	Plateau age.
634	Basalt	Yarmony Mountain	K97-8-13A1	-106.6542	39.9133	Vail	McCoy	40Ar/39Ar	Matrix	23	0.15	22.95	Kunk and others (2001)	Isochron age. Preferred age is 22.89 ± 0.12 based on multiple samples from same flow.
635	Basalt	Yarmony Mountain	K97-8-13A1-3	-106.6494	39.9119	Vail	McCoy	40Ar/39Ar	Matrix	22.7	0.2	22.71	Kunk and others (2001)	Isochron age. Preferred age is 22.65 ± 0.20 based on multiple samples from same flow.
636	Basalt	Yarmony Mountain	K97-8-13A1-4	-106.6494	39.9119	Vail	McCoy	40Ar/39Ar	Matrix	22.6	0.26	22.59	Kunk and others (2001)	Isochron age. Preferred age is 22.65 ± 0.20 based on multiple samples from same flow.
637	Basalt	Yarmony Mountain	K97-8-13A2	-106.6542	39.9133	Vail	McCoy	40Ar/39Ar	Matrix	22.9	0.13	22.92	Kunk and others (2001)	Plateau age. Preferred age is 22.89 ± 0.12 based on multiple samples from same flow.
638	Basalt	Yarmony Mountain	K97-8-13B2	-106.6528	39.9158	Vail	McCoy	40Ar/39Ar	Matrix	22.9	0.13	22.9	Kunk and others (2001)	Plateau age. Preferred age is 22.89 ± 0.12 based on multiple samples from same flow.
639	Basalt	Yarmony Mountain	K97-8-13B3	-106.6528	39.9158	Vail	McCoy	40Ar/39Ar	Matrix	22.9	0.13	22.88	Kunk and others (2001)	Plateau age. Preferred age is 22.89 ± 0.12 based on multiple samples from same flow.
640	Basalt	State Bridge area	K97-8-13C2	-106.6262553	39.864491	Vail	State Bridge	40Ar/39Ar	Matrix	23.9	0.36	23.88	Kunk and others (2001)	Isochron age. Preferred age is 23.97 ± 0.29 based on multiple samples from same flow.
641	Basalt	State Bridge area	K97-8-13C3	-106.626255	39.864491	Vail	State Bridge	40Ar/39Ar	Matrix	24.1	0.29	24.06	Kunk and others (2001)	Isochron age. Preferred age is 23.97 ± 0.29 based on multiple samples from same flow.
642	Basalt	Basalt area	K97-8-15A3	-107.0917	39.4214	Carbondale	Leon	40Ar/39Ar	Matrix	10.6	0.07	10.63	Kunk and others (2001)	Plateau age. Preferred age is 10.60 ± 0.07 based on multiple samples of same flow.
643	Basalt	Basalt area	K97-8-15A4	-107.0917	39.4214	Carbondale	Leon	40Ar/39Ar	Matrix	10.6	0.07	10.56	Kunk and others (2001)	Plateau age. Preferred age is 10.60 ± 0.07 based on multiple samples of same flow.
644	Basalt	Basalt area	K97-8-15B	-107.0158	39.4097	Carbondale	Leon	40Ar/39Ar	Matrix	9.83	0.05	9.83	Kunk and others (2001)	Plateau age.
645	Basalt	Basalt area	K97-8-15C2	-107.0139	39.4106	Carbondale	Leon	40Ar/39Ar	Matrix	10.4	0.09	10.42	Kunk and others (2001)	Isochron age. Preferred age is 9.97 ± 0.06 based on multiple samples from same flow.
646	Basalt	Basalt area	K97-8-15C4	-107.0139	39.4106	Carbondale	Leon	40Ar/39Ar	Matrix	9.97	0.06	9.97	Kunk and others (2001)	Plateau age.
647	Basalt	Eagle area	K99-10-24A3	-106.9675	39.6838	Vail	Gypsum	40Ar/39Ar	Matrix	22.5	0.08	22.52	Kunk and others (2001)	Plateau age.
648	Basalt	Eagle area	K99-10-24A5	-106.9675	39.6838	Vail	Gypsum	40Ar/39Ar	Matrix	22.5	0.35	22.51	Kunk and others (2001)	Isochron age. Preferred age is 22.52 ± 0.08 based on multiple samples from same flow.
649	Basalt	Independence Pass area	K99-8-22A1	-106.9174	39.3047	Leadville	Woody Creek	40Ar/39Ar	Matrix	1.36	0.04	1.36	Kunk and others (2001)	Isochron age.
650	Basalt	Independence Pass area	K99-8-22A4	-106.9174	39.3047	Leadville	Woody Creek	40Ar/39Ar	Matrix	1.41	0.01	1.41	Kunk and others (2001)	Plateau age. Preferred age is 1.36 ± 0.04 based on multiple samples from same flow.
651	Basalt	Independence Pass area	K99-8-22B2	-106.9167	39.3047	Leadville	Woody Creek	40Ar/39Ar	Matrix	1.34	0.01	1.34	Kunk and others (2001)	Plateau age.
652	Basalt	Independence Pass area	K99-8-22B3	-106.9167	39.3047	Leadville	Woody Creek	40Ar/39Ar	Matrix	1.34	0.01	1.34	Kunk and others (2001)	Plateau age.
653	Basalt	Carbondale area	KH-95-24	-107.3608	39.416389	Carbondale	Cattle Creek	40Ar/39Ar	Matrix	9.97	0.31	9.97	Kunk and Snee (1998)	Isochron age.
654	Basalt	Basalt area	L-176	-107.066	39.413	Carbondale	Leon	40Ar/39Ar	Matrix	9.68	0.03	9.68	Kunk and others (2001)	Plateau age.
655	Basalt	Basalt area	L-181	-107.018	39.4459	Carbondale	Leon	40Ar/39Ar	Matrix	9.55	Not report	9.55	Kunk and others (2001)	Total gas age.
656	Basalt	Basalt area	L-187A2	-107.046	39.431	Carbondale	Leon	40Ar/39Ar	Matrix	9.84	0.07	9.84	Kunk and others (2001)	Isochron age.
657	Basalt	Basalt area	L-187B3	-107.045	39.432	Carbondale	Leon	40Ar/39Ar	Matrix	9.38	Not report	9.38	Kunk and others (2001)	Total gas age.
658	Basalt	Basalt area	L-187D1	-107.045	39.432	Carbondale	Leon	40Ar/39Ar	Matrix	9.75	0.11	9.75	Kunk and others (2001)	Isochron age.

659	Basalt	Basalt area	L-223	-107.15	39.39	Carbondale	Carbondale	40Ar/39Ar	Matrix	13.4	0.06	13.38	Kunk and others (2001)	Isochron age.
660	Basalt	Basalt area	L-244	-107.083	39.433	Carbondale	Leon	40Ar/39Ar	Sanidine	2.9	0.02	2.9	Kunk and others (2001)	Laser fusion, weighted mean age. Sanidine is xenocrystic in basalt flow.
661	Basalt	Basalt area	L244-1	-107.083	39.433	Carbondale	Leon	40Ar/39Ar	Matrix	2.87	0.01	2.87	Kunk and others (2001)	Plateau age. Preferred age is 2.90 ± 0.02 based on multiple samples from same flow.
662	Basalt	Basalt area	L244-2	-107.083	39.433	Carbondale	Leon	40Ar/39Ar	Matrix	2.9	0.02	2.9	Kunk and others (2001)	Weighted mean age.
663	Basalt	Basalt area	L-245	-107.08	39.4339	Carbondale	Leon	40Ar/39Ar	Sanidine	2.96	0.02	2.96	Kunk and others (2001)	Laser fusion, weighted mean age. Sanidine is xenocrystic in basalt flow.
664	Basalt	Basalt area	L-37	-107.015	39.4106	Carbondale	Leon	40Ar/39Ar	Matrix	9.84	Not report	9.84	Kunk and others (2001)	Total gas age.
665	Basalt	Flattops area	L-38A	-107.002	39.99	Carbondale	Leon	40Ar/39Ar	Matrix	9.66	Not report	9.66	Kunk and others (2001)	Total gas age.
666	Basalt	Basalt area	L-39	-107.039	39.441	Carbondale	Leon	40Ar/39Ar	Matrix	9.75	0.03	9.75	Kunk and others (2001)	Plateau age.
667	Basalt	Basalt area	L60	-107.061	39.475	Carbondale	Leon	40Ar/39Ar	Matrix	7.75	0.03	7.75	Kunk and others (2001)	Plateau age.
668	Basalt	Eagle area	L6681B	-106.7405556	39.6625	Vail	Wolcott	40Ar/39Ar	Matrix	22.8	0.33	22.8	Kunk and Snee (1998)	Isochron age.
669	Basalt	Eagle area	L6844	-106.7405	39.6625	Vail	Fulford	40Ar/39Ar	Matrix	22.3	0.12	22.31	Kunk and Snee (1998)	Plateau age.
670	Basalt	Basalt area	L-91A1	-107.033	39.442	Carbondale	Leon	40Ar/39Ar	Matrix	9.71	0.03	9.71	Kunk and others (2001)	Plateau age.
671	Basalt	Gypsum area	CP8	-107.1055556	39.573333	Glenwood Springs	Cottonwood Pass	40Ar/39Ar	Matrix	7.74	0.06	7.74	Kunk and Snee (1998)	Isochron age.
672	Basalt	Gypsum area	CP-86	-107.1152778	39.511111	Glenwood Springs	Cottonwood Pass	40Ar/39Ar	Matrix	3.17	0.02	3.17	Kunk and Snee (1998)	Plateau age.
673	Basalt	Gypsum area	CP-89	-107.0688889	39.664444	Glenwood Springs	Cottonwood Pass	40Ar/39Ar	Matrix	7.72	0.04	7.72	Kunk and Snee (1998)	Plateau age.
674	Basalt	Glenwood Springs area	DT-R2	-107.27	39.664444	Glenwood Springs	Dotsero	40Ar/39Ar	Matrix	22.4	0.2	22.38	Kunk and Snee (1998)	Isochron age. Preferred age is 23.41 ± 0.13 based on multiple samples from same flow.
675	Basalt	Glenwood Springs area	DT-R3	-107.5080556	39.659444	Glenwood Springs	Dotsero	40Ar/39Ar	Matrix	0.38	0.01	0.38	Kunk and Snee (1998)	Plateau age. Preferred age is 0.28 ± 0.04 based on multiple samples from same flow.
676	Basalt	Glenwood Springs area	GS96-1	-107.2597222	39.535278	Glenwood Springs	Glenwood Springs	40Ar/39Ar	Matrix	9.72	0.05	9.72	Kunk and Snee (1998)	Plateau age.
677	Silicic tuff	Flattops area	JS-98-17	-107.018	39.8122	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Sanidine	19.4	0.05	19.35	Kunk and others (2001)	Laser fusion, weighted mean age. Preferred age is 19.40 ± 0.05 based on multiple samples from same flow.
678	Silicic tuff	Flattops area	JS-98-2	-107.0202	39.8056	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Sanidine	19.4	0.06	19.45	Kunk and others (2001)	Laser fusion, isochron age. Preferred age is 19.40 ± 0.05 based on multiple samples from same flow.
679	Silicic tuff	Flattops area	JS-98-25	-107.0039	39.8211	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Sanidine	19.4	0.05	19.45	Kunk and others (2001)	Laser fusion, weighted mean age. Preferred age is 19.40 ± 0.05 based on multiple samples from same flow.
680	Silicic tuff	Flattops area	JS-98-5	-107.0028	39.8215	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Sanidine	19.4	0.05	19.43	Kunk and others (2001)	Laser fusion, weighted mean age. Preferred age is 19.40 ± 0.05 based on multiple samples from same flow.
681	Silicic tuff	Flattops area	JS-98-93	-107.004	39.8321	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Sanidine	19.4	0.05	19.42	Kunk and others (2001)	Laser fusion, weighted mean age. Preferred age is 19.40 ± 0.05 based on multiple samples from same flow.
682	Basalt	Volcanic clast in Poison Creek debris flow deposit	JS-99-10	-107.0034	39.8061	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.9	0.15	14.87	Kunk and others (2001)	Isochron age.
683	Basalt	Volcanic clast in Poison Creek debris flow deposit	JS-99-8A	-107.1152	39.8052	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.8	Not report	14.83	Kunk and others (2001)	Total gas age.
684	Basalt	Volcanic clast in Poison Creek debris flow deposit	JS-99-8B	-107.0125	39.8056	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.7	0.08	14.74	Kunk and others (2001)	Plateau age.
685	Basalt	Volcanic clast in Poison Creek debris flow deposit	JS-99-8C	-107.1318	39.807	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	15.1	0.21	15.09	Kunk and others (2001)	Isochron age.
686	Basalt	Volcanic clast in Poison Creek debris flow deposit	JS-99-9	-107.0151	39.8052	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.51	0.14	14.51	Kunk and others (2001)	Isochron age. Preferred age is 14.48 ± 0.08.
687	Basalt	Eagle area	K97-10-7F	-107.1247	39.6594	Glenwood Springs	Dotsero	40Ar/39Ar	Matrix	0.26	0.04	0.26	Kunk and others (2001)	Isochron age. Preferred age is 0.28 ± 0.04 based on multiple samples from same flow.
688	Basalt	Eagle area	K97-10-7G	-107.1242	39.6494	Glenwood Springs	Dotsero	40Ar/39Ar	Matrix	0.3	0.08	0.3	Kunk and others (2001)	Isochron age. Preferred age is 0.28 ± 0.04 based on multiple samples from same flow.
689	Basalt	Eagle area	K97-10-7K5	-107.0076	39.6644	Glenwood Springs	Dotsero	40Ar/39Ar	Matrix	23.4	0.13	23.41	Kunk and others (2001)	Plateau age. Preferred age is 23.41 based on multiple samples from same flow.
690	Basalt	Glenwood Springs area	K97-10-8B1	-107.2756	39.5194	Glenwood Springs	Glenwood Springs	40Ar/39Ar	Matrix	11.1	0.23	11.11	Kunk and others (2001)	Isochron age. Preferred age is 9.78 ± 0.23 based on multiple samples from same flow.
691	Basalt	Glenwood Springs area	K97-10-8B3	-107.2756	39.5194	Glenwood Springs	Glenwood Springs	40Ar/39Ar	Matrix	9.78	0.23	9.78	Kunk and others (2001)	Isochron age.
692	Basalt	Glenwood Springs area	K97-10-8D1	-107.2717	39.5194	Glenwood Springs	Glenwood Springs	40Ar/39Ar	Matrix	7.74	0.05	7.74	Kunk and others (2001)	Plateau age. Preferred age is 7.77 ± 0.05 based on multiple samples from same flow.
693	Basalt	Glenwood Springs area	K97-10-8D2	-107.2717	39.5194	Glenwood Springs	Glenwood Springs	40Ar/39Ar	Matrix	7.79	0.05	7.79	Kunk and others (2001)	Plateau age. Preferred age is 7.77 ± 0.05 based on multiple samples from same flow.
694	Silicic tuff	Flattops area	K97-8-13D	-107.0028	39.8215	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Sanidine	19.4	0.05	19.41	Kunk and others (2001)	Laser fusion, weighted mean age. Preferred age is 19.40 ± 0.05 based on multiple samples from same flow.
695	Basalt	Eagle area	K99-8-24A	-107.1257	39.664	Glenwood Springs	Sweetwater Lake	40Ar/39Ar	Matrix	13.4	0.16	13.45	Kunk and others (2001)	Isochron age.
696	Basalt	Flattops area	K99-8-24B1	-107.122	39.8701	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.1	0.05	14.06	Kunk and others (2001)	Plateau age.
697	Basalt	Flattops area	K99-8-24B3	-107.122	39.8701	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.3	0.07	14.27	Kunk and others (2001)	Isochron age. Preferred age is 14.06 ± 0.05 based on multiple samples from same flow.
698	Basalt	Flattops area	K99-8-24C	-107.1061	39.8701	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.4	0.05	14.36	Kunk and others (2001)	Plateau age.
699	Basalt	Flattops area	K99-8-24D1	-107.1014	39.8731	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	14.9	0.18	14.91	Kunk and others (2001)	Isochron age. Preferred age is 15.01 ± 0.18 based on multiple samples from same flow.
700	Basalt	Flattops area	K99-8-24D2	-107.1014	39.8731	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	15.1	0.18	15.11	Kunk and others (2001)	Isochron age. Preferred age is 15.01 ± 0.18 based on multiple samples from same flow.
701	Basalt	Basalt area	K99-8-24E	-107.0989	39.4086	Glenwood Springs	Sugarloaf Mountain	40Ar/39Ar	Matrix	15.6	0.09	15.57	Kunk and others (2001)	Isochron age.
702	Basalt	Gypsum area	KH-95-26	-107.0761111	39.58	Glenwood Springs	Cottonwood Pass	40Ar/39Ar	Matrix	3.03	0.02	3.03	Kunk and Snee (1998)	Plateau age.
703	Basalt	Gypsum area	KH-95-32	-107.0966667	39.584167	Glenwood Springs	Cottonwood Pass	40Ar/39Ar	Matrix	7.8	0.04	7.8	Kunk and Snee (1998)	Plateau age.
704	Basalt	Gypsum area	SH-267	-107.1394444	39.516944	Glenwood Springs	Shoshone	40Ar/39Ar	Sanidine	3.97	0.08	3.97	Kunk and Snee (1998)	Isochron age. Sanidine is xenocrystic in basalt.
705	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	K/Ar	Hornblende	514	2.3	513.9	Lanphere and others (1990)	Location approximate.
706	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	514.3	2.6	514.3	Lanphere and others (1990)	Location approximate. Total-fusion age.
707	Shoshonite	Table Mountain	VD.1	-105.1902778	40.031667	Estes Park	Niwot	K/Ar	Whole-rock (?)	64.9	2.6	64.9	Larson and Drexler (1988)	Valmont dike.
708	Basalt	Basalt area		-107.0977778	39.409722	Carbondale	Leon	K/Ar	Whole-rock	8.07	0.4	7.86	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
709	Basalt	Basalt area		-107.0433333	39.441389	Carbondale	Leon	K/Ar	Whole-rock	9.01	0.4	8.78	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
710	Basalt	Basalt area		-107.1494444	39.4225	Carbondale	Leon	K/Ar	Whole-rock	8.91	0.4	8.68	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
711	Basalt	Basalt area		-107.0502778	39.531111	Glenwood Springs	Cottonwood Pass	K/Ar	Whole-rock	11.4	1	11.1	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
712	Basalt	Glenwood Springs area		-107.2555556	39.533333	Glenwood Springs	Glenwood Springs	K/Ar	Whole-rock	10.4	0.5	10.1	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
713	Basalt	Flattops area		-107.25	39.944444	Glenwood Springs	Trappers Lake	K/Ar	Whole-rock	13.8	0.5	13.4	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
714	Basalt	Flattops area		-107.1869444	39.846667	Glenwood Springs	Sweetwater Lake	K/Ar	Whole-rock	21.2	0.8	20.63	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
715	Basalt	Flattops area		-107.1869444	39.846667	Glenwood Springs	Sweetwater Lake	K/Ar	Whole-rock	20.6	0.8	20.05	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
716	Basalt	Flattops area		-107.1869444	39.846667	Glenwood Springs	Sweetwater Lake	K/Ar	Whole-rock	20.4	0.8	19.9	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
717	Basalt	Flattops area		-107.1869444	39.846667	Glenwood Springs	Sweetwater Lake	K/Ar	Whole-rock	19	0.8	18.5	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
718	Basalt	Flattops area		-107.1869444	39.846667	Glenwood Springs	Sweetwater Lake	K/Ar	Whole-rock	22.8	1	22.2	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
719	Basalt	Flattops area		-107.1869444	39.846667	Glenwood Springs	Sweetwater Lake	K/Ar	Whole-rock	21.2	1	20.7	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
720	Basalt	Flattops area		-107.1869444	39.846667	Glenwood Springs	Sweetwater Lake	K/Ar	Whole-rock	22	1	21.4	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
721	Basalt	Flattops area		-107.2011111	39.993611	Glenwood Springs	Trappers Lake	K/Ar	Whole-rock	23.6	1	23	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
722	Basaltic andesite	Flattops area		-107.1755556	39.878611	Glenwood Springs	Trappers Lake	K/Ar	Whole-rock	9.9	0.5	9.6	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
723	Basaltic andesite	Flattops area		-107.1311111	39.964444	Glenwood Springs	Dome	K/Ar	Whole-rock	10.6	0.5	10.3	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
724	Basaltic andesite	Flattops area		-107.1869444	39.857778	Glenwood Springs	Trappers Lake	K/Ar	Whole-rock	13.5	0.5	13.17	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
725	Basalt	Independence Pass area		-106.9147222	39.304444	Leadville	Woody Creek	K/Ar	Whole-rock	2.03	0.3	1.98	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
726	Basalt	Independence Pass area		-106.9147222	39.305	Leadville	Woody Creek	K/Ar	Whole-rock	1.28	0.2	1.25	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
727	Basalt	McCoy flow		-106.7216667	39.948611	Vail	McCoy	K/Ar	Whole-rock	0.66	0.2	0.64	Larson and others (1975)	No sample number reported. Recalculated by Wallace (1993, 1995).
728	Basalt	Gore Canyon area		-106.5302797	39.955886	Vail	Radium	K/Ar	Whole-rock	23.8	1	23.2	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
729	Basalt	Flattops area		-107	39.929167	Vail	Burns North/Dome Peak	K/Ar	Whole-rock	22.7	1	22.1	Larson and others (1975)	No sample number reported. Age recalculated by Wallace (1993, 1995).
730	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	519.7	0.6	519.7	Lee and others (1991)	Location approximate. Integrated age.
731	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	519.5	0.6	519.5	Lee and others (1991)	Location approximate. Plateau age.
732	Kimberlite	Chicken Park kimberlite	Chicken Park kimberlite	-105.55	40.8803	Fort Collins	Diamond Peak	40Ar/39Ar	Phlogopite	616	2		Lester and others (2001)	Naeser suggest that phlogopites in kimberlites may be much older than their emplacement age as shown by age of rocks intruded.
733	Granodiorite	Mount Princeton pluton	PRC-113-15	-106.2272222	38.718611	Gunnison	Mount Antero	K/Ar	Whole-rock	37	2	36	Limbach (1975)	Location approximate.
734	Rhyolite	Lower Chalk Creek	PRC-113-24	-106.2322256	38.719307	Gunnison	Mount Antero	K/Ar	Whole-rock	26	1	25	Limbach (1975)	Location approximate.
735	Quartz monzonite porphyry	Mount Princeton pluton	PRC-113-26	-106.2136111	38.697778	Gunnison	Mount Antero	K/Ar	Whole-rock	25	1	24	Limbach (1975)	Location approximate.
736	Rhyolite	Rasberry Gulch rhyolite	PRC-113-27	-106.1760418	38.685605	Gunnison	Mount Antero	K/Ar	Whole-rock	23	1	22	Limbach (1975)	Location approximate.
737	Sandstone	Minturn Formation	A-83	-105.6566667	38.090278	Canon City	Rito Alto Peak	FT	Apatite	23.7	9.5	23.7	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
738	Sandstone	Minturn Formation	A-83	-105.6566667	38.090278	Canon City	Rito Alto Peak	FT	Zircon	612	66	612	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
739	Sandstone	Clast in Sangre de Cristo Formation	SC-1090	-105.7508333	38.105278	Canon City	Mirage	FT	Apatite	17.3	5	17.3	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
740	Sandstone	Clast in Sangre de Cristo Formation	SC-1090	-105.7508333	38.105278	Canon City	Mirage	FT	Zircon	265	14	265	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
741	Gneiss	Wild Cherry Creek, Sangre de Cristo Mountains	SC-1091	-105.7608333	38.108056	Canon City	Mirage	FT	Apatite	20	4.6	20	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
742	Sandstone	Minturn Formation	SC-221	-105.6338889	38.101111	Canon City	Rito Alto Peak	FT	Apatite	18.9	4.7	18.9	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
743	Sandstone	Minturn Formation	SC-221	-105.6338889	38.101111	Canon City	Rito Alto Peak	FT	Zircon	594	71	594	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
744	Sandstone	Sangre de Cristo Formation	SC-222	-105.6188889	38.105	Canon City	Horn Peak	FT	Apatite	15	3.9	15	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
745	Sandstone	Sangre de Cristo Formation	SC-222	-105.6188889	38.105	Canon City	Horn Peak	FT	Zircon	307	28	307	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
746	Syenite	Clast in Sangre de Cristo Formation	SC-273A	-105.7216667	38.115833	Canon City	Rito Alto Peak	FT	Apatite	17.3	4	17.3	Lindsey and others (1986)	Annealing age due to uplift.
747	Syenite	Clast in Sangre de Cristo Formation	SC-273A	-105.7216667	38.115833	Canon City	Rito Alto Peak	FT	Zircon	299	26	299	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
748	Felsite	Felsite dike. central Sange de Cristo Mountains	SC-377	-105.611281	38.082373	Canon City	Horn Peak	FT	Zircon	26.5	1.1	26.5	Lindsey and others (1986)	Annealing age.
749	Sandstone	Minturn Formation	SC-4	-105.6516667	38.091111	Canon City	Rito Alto Peak	FT	Zircon	521	106	521	Lindsey and others (1986)	Annealing age due to uplift. Location approximate.
750	Quartz latite	Tuff of Masonic Park	735	-106.6583333	37.683333	Del Norte	South Fork West	K/Ar	Biotite	28.9	Not report	28.2	Lipman and others (1970)	
751	Quartz latite	Fisher Quartz Latite, Wagon Wheel Gap flow	736	-106.8244444	37.770833	Del Norte	Wagon Wheel Gap	K/Ar	Biotite	27.2	Not report	26.5	Lipman and others (1970)	
752	Rhyolite	Mammoth Mountain Rhyolite	737	-106.7866667	37.768056	Del Norte	Wagon Wheel Gap	K/Ar	Biotite	27.4	Not report	26.7	Lipman and others (1970)	
753	Rhyolite	Treasure Mountain Rhyolite, tuff from Treasure Mountain	65L-132	-106.8166667	37.466667	Antonito	Wolf Creek Pass	K/Ar	Biotite	30.4	1.2	29.6	Lipman and others (1970)	
754	Rhyolite	Treasure Mountain Rhyolite, tuff from Treasure Mountain	65L-132	-106.8166667	37.466667	Antonito	Wolf Creek Pass	K/Ar	Plagioclase	30.8	2.2	30	Lipman and others (1970)	
755	Rhyolite	Hinsdale Formation, Beaver Creek flow	65L-161-A	-106.6333333	37.516667	Del Norte	Beaver Creek Reservoir	K/Ar	Obsidian	22.5	0.9	21.9	Lipman and others (1970)	
756	Rhyolite	Treasure Mountain Rhyolite, intracaldera tuff	65L-231	-106.5916667	37.320833	Antonito	Platoro	K/Ar	Biotite	28.3	1.1	27.6	Lipman and others (1970)	
757	Rhyolite	Treasure Mountain Rhyolite, intracaldera tuff	65L-231	-106.5916667	37.320833	Antonito	Platoro	K/Ar	Plagioclase	27.7	1.2	27	Lipman and others (1970)	
758	Rhyodacite	Upper flow, Green Ridge area	66L-101-B	-106.2166667	37.466667	Antonito	Fulcher Gulch	K/Ar	Biotite	29.4	1.1	28.7	Lipman and others (1970)	
759	Rhyodacite	Upper flow, Green Ridge area	66L-101-B	-106.2166667	37.466667	Antonito	Fulcher Gulch	K/Ar	Plagioclase	26.9	2.2	26.2	Lipman and others (1970)	
760	Rhyolite	Conejos Formation, Summer Coon volcanic center	66L-120	-106.3333333	37.816667	Del Norte	Twin Mountains SE	K/Ar	Biotite	33.2	1.3	32.4	Lipman and others (1970)	
761	Olivine basalt	Hinsdale Formation, Beaver Creek flow	67L-107-B	-106.6166667	37.533333	Del Norte	Del Norte Peak	K/Ar	Whole-rock	24	1	23.4	Lipman and others (1970)	
762	Rhyodacite	Lower flow, Green Ridge area	67L-109	-106.25	37.4	Antonito	Green Mountain/Fulcher Gu	K/Ar	Biotite	29.2	1.2	28.5	Lipman and others (1970)	
763	Rhyodacite	Lower flow, Green Ridge area	67L-109	-106.25	37.4	Antonito	Green Mountain/Fulcher Gu	K/Ar	Plagioclase	27.7	2.3	27	Lipman and others (1970)	
764	Rhyodacite	Lower flow, Green Ridge area	67L-109	-106.25	37.4	Antonito	Green Mountain/Fulcher Gu	K/Ar	Hornblende	32.6	2.3	31.8	Lipman and others (1970)	
765	Rhyodacite	Lower flow, Green Ridge area	67L-109	-106.25	37.4	Antonito	Green Mountain/Fulcher Gu	K/Ar	Hornblende	32.4	2.3	31.6	Lipman and others (1970)	
766	Monzonite	Alamosa River stock	67L-113	-106.55	37.383333	Antonito	Summitville	K/Ar	Biotite	29.9	1.2	29.1	Lipman and others (1970)	
767	Rhyolite	Treasure Mountain Rhyolite, intracaldera tuff	67L-124	-106.5166667	37.35	Antonito	Platoro	K/Ar	Biotite	29.2	1.4	28.5	Lipman and others (1970)	
768	Olivine basalt	Hinsdale Formation, Los Mogotes flow	67L-16	-106.1833333	37.066667	Antonito	Fox Creek	K/Ar	Plagioclase	4.8	1.4	4.7	Lipman and others (1970)	
769	Diabase	Hinsdale Formation, Los Mogotes dike	67L-17-A	-106.1833333	37.066667	Antonito	Fox Creek	K/Ar	Plagioclase	5.4	0.7	5.3	Lipman and others (1970)	
770	Rhyodacite	Conejos Formation	68L-105	-106.35	37.833333	Del Norte	Twin Mountains SE	K/Ar	Biotite	35	1.4	34.1	Lipman and others (1970)	
771	Rhyodacite	Conejos Formation	68L-105	-106.35	37.833333	Del Norte	Twin Mountains SE	K/Ar	Hornblende	34.7	1.6	33.8	Lipman and others (1970)	
772	Rhyodacite	Late flow, lower member, Summitville area	68L-107	-106.65	37.4	Antonito	Elwood Pass	K/Ar	Biotite	26.5	1	25.8	Lipman and others (1970)	
773	Olivine basalt	Hinsdale Formation, La Jara flow	68L-17	-106.2	37.233333	Antonito	Vicente Canyon	K/Ar	Whole-rock	18.2	1.4	17.7	Lipman and others (1970)	
774	Rhyodacite	Conejos Formation, Summer Coon volcanic center	68L-20	-106.4333333	37.766667	Del Norte	Twin Mountains	K/Ar	Biotite	35.3	1.4	34.4	Lipman and others (1970)	
775	Rhyodacite	Conejos Formation, Summer Coon volcanic center	68L-20	-106.4333333	37.766667	Del Norte	Twin Mountains	K/Ar	Hornblende	35.9	2.4	35	Lipman and others (1970)	
776	Rhyodacite	Conejos Formation	68L-91	-106.7166667	37.1	Antonito	Chama Peak	K/Ar	Biotite	34.3	1.3	33.4	Lipman and others (1970)	
777	Rhyodacite	Conejos Formation	68L-91	-106.7166667	37.1	Antonito	Chama Peak	K/Ar	Hornblende	32.2	1.8	31.4	Lipman and others (1970)	
778	Andesite	Conejos Formation	Ds141B	-106.9833333	37.383333	Antonito	Saddle Mountain	K/Ar	Plagioclase	31.9	2.7	31.1	Lipman and others (1970)	
779	Rhyodacite	Conejos Formation, Beidell volcanic center	Ds196	-106.2666667	37.958333	Del Norte	Lime Creek	K/Ar	Biotite	35.1	1.4	34.2	Lipman and others (1970)	
780	Rhyodacite	Conejos Formation, Beidell volcanic center	Ds196	-106.2666667	37.958333	Del Norte	Lime Creek	K/Ar	Hornblende	34.3	2.2	33.4	Lipman and others (1970)	
781	Rhyolite	Tuff from Storm King Mountain	RD-1901-57	-107.6347222	38.293611	Montrose	Buckhorn Lakes	K/Ar	Biotite	30.1	1.2	29.3	Lipman and others (1970)	
782	Rhyolite	Tuff from Storm King Mountain	RD-1901-57	-107.6347222	38.293611	Montrose	Buckhorn Lakes	K/Ar	Sanidine	28.1	0.8	27.4	Lipman and others (1970)	
783	Rhyodacite	San Juan Formation	RD-336-68	-107.6355556	38.331389	Montrose	Buckhorn Lakes	K/Ar	Biotite	32.2	1.3	31.4	Lipman and others (1970)	
784	Rhyodacite	San Juan Formation	RD-336-68	-107.6355556	38.331389	Montrose	Buckhorn Lakes	K/Ar	Hornblende	32.9	2.4	32.1	Lipman and others (1970)	
785	Rhyodacite	San Juan Formation	RD-336-68	-107.6355556	38.331389	Montrose	Buckhorn Lakes	K/Ar	Plagioclase	33.8	4.3	32.9	Lipman and others (1970)	
786	Andesite	Rawley Andesite, Bonanza volcanic center	V-998	-106.1	38.455278	Saguache	Poncha Pass	K/Ar	Biotite	34.1	1.3	33.2	Lipman and others (1970)	
787	Andesite	Rawley Andesite, Bonanza volcanic center	V-998	-106.1	38.455278	Saguache	Poncha Pass	K/Ar	Plagioclase	34.6	2.1	33.7	Lipman and others (1970)	
788	Andesite	Rawley Andesite, Bonanza volcanic center	V-999	-106.1183333	38.439444	Saguache	Poncha Pass	K/Ar	Plagioclase	35.1	1.6	34.2	Lipman and others (1970)	
789	Uranium ore, Schwartzwalder mine	Illinois and Titan veins		-105.2808	39.8439	Denver West	Ralston Buttes	U-Pb	Whole-rock	69.3	1.1	69.3	Ludwig and others (1985)	Isochron using 9 samples.
790	Disseminated uraninite	West of Mount Albion		-105.6628	40.0517	Estes Park	Monarch Lake	U-Pb	Uraninite	1446	20		Ludwig and Young (1975)	Concordia; disturbed at 880 and 130 Ma.
791	Granite	Windy Point pluton of Pikes Peak batholith	PP76-2	-105.12	38.804444	Pikes Peak	Pikes Peak	K-Ca	Mineral/Whole-rock	1041	32	1041	Marshall and DePaolo (1982)	Mineral, whole-rock isochron based on 5 points.
792	Quartz monzonite	Mount Princeton pluton	35	-106.2230556	38.718889	Gunnison	Mount Antero	K/Ar	Whole-rock	37	2	37	Marvin and Cole (1978)	Location approximate.
793	Rhyolite	Lower Chalk Creek dike	36	-106.2217683	38.719924	Gunnison	Mount Antero	K/Ar	Whole-rock	26.2	1	26.2	Marvin and Cole (1978)	Location approximate.
794	Quartz monzonite	Mount Princeton pluton	37	-106.2133333	38.698056	Gunnison	Mount Antero	K/Ar	Whole-rock	25	1	25	Marvin and Cole (1978)	Location approximate.
795	Rhyolite	Lower Chalk Creek dike	38	-106.1750897	38.687851	Gunnison	Mount Antero	K/Ar	Whole-rock	22	1	22	Marvin and Cole (1978)	Location approximate.
796	Andesite	Thirtynine Mile volcanic field(?)	R-3502	-105.9822222	38.539167	Pikes Peak	Cameron Mountain	K/Ar	Whole-rock	35.2	1.5	35.2	Marvin and Cole (1978)	
797	Rhyolite	Ash flow, near Basalt	USGS(D)-A	-107.1005556	39.346389	Carbondale	Basalt	K/Ar	Biotite	36.3	0.9	36.3	Marvin and Cole (1978)	
798	Gangue, Schwartzwalder Mine	Schwartzwalder Mine	D2377F	-105.2806	39.8444	Denver West	Ralston Buttes	K/Ar	K-feldspar	707	12		Marvin and Dobson (1979)	Possible mixture of Proterozoic country rock feldspar and feldspar from vein.
799	Gangue, Schwartzwalder Mine	Schwartzwalder Mine,orthoclase and adularia gangue of uranium vei	D2378F	-105.2806	39.8444	Denver West	Ralston Buttes	K/Ar	K-feldspar	175	3		Marvin and Dobson (1979)	Mixed age.
800	Pegmatite	Sheared pegmatite, Schwartzwalder Mine	Sch-164	-105.2833	39.85	Denver West	Ralston Buttes	K/Ar	Muscovite	1415	35		Marvin and Dobson (1979)	
801	Pegmatite	Sheared pegmatite with ore minerals, Schwartzwalder Mine	Sch-74	-105.2833	39.85	Denver West	Ralston Buttes	K/Ar	Muscovite	1455	35		Marvin and Dobson (1979)	Minimum age of pegmatite.
802	Gneiss	Holy Cross area	USGS(D)-2-D-62	-106.5041667	39.397222	Leadville	Mount Jackson	K/Ar	Biotite	483	24	483	Marvin and Dobson (1979)	
803	Quartz latite	Pando Porphyry	USGS(D)-72-92	-106.3057817	39.430223	Leadville	Pando	K/Ar	Sericite	63	1.5	63	Marvin and Dobson (1979)	
804	Granite	Granite intruding Twin Lakes stock	USGS(D)-73-N7	-106.4500328	39.072338	Leadville	Mount Elbert	FT	Zircon	33.6	3	33.6	Marvin and Dobson (1979)	
805	Granite	Granite intruding Twin Lakes stock	USGS(D)-73-N7	-106.450173	39.072248	Leadville	Mount Elbert	FT	Sphene	36.2	4	36.2	Marvin and Dobson (1979)	
806	Granodiorite	Twin Lakes stock	USGS(D)-73-N8	-106.5059249	39.070319	Leadville	Independence Pass	FT	Zircon	44.2	4	44.2	Marvin and Dobson (1979)	
807	Granodiorite	Twin Lakes stock	USGS(D)-73-N8	-106.5056455	39.070097	Leadville	Independence Pass	FT	Sphene	45.9	4	45.9	Marvin and Dobson (1979)	
808	Aplite	Twin Lakes stock	USGS(D)-73-N9	-106.3997222	39.065556	Leadville	Mount Elbert	FT	Sphene	43.4	1.8	43.4	Marvin and Dobson (1979)	
809	Granite	Silver Plume pluton	USGS(D)-91	-106.3333333	39.458333	Leadville	Pando	K/Ar	Biotite	1150	30	1150	Marvin and Dobson (1979)	Intrusion age is about 1,450 Ma.
810	Tuff	Grizzly Peak Tuff	USGS(D)-A	-107.1005556	39.346389	Carbondale	Basalt	FT	Zircon	30.1	3	30.1	Marvin and Dobson (1979)	
811	Tuff	Grizzly Peak Tuff	USGS(D)-A	-107.1005556	39.346389	Carbondale	Basalt	FT	Zircon	30.2	2.1	30.2	Marvin and Dobson (1979)	
812	Quartz monzonite	Humbug stock	USGS(D)-D96	-106.1410865	39.453998	Leadville	Copper Mountain	K/Ar	Biotite	42.4	1	42.4	Marvin and Dobson (1979)	
813	Augen gneiss	Stoll Mountain pluton	USGS(D)-E-628	-105.4666667	38.933333	Pikes Peak	Elevenmile Canyon	Rb-Sr	Whole-rock	1590	100	1590	Marvin and Dobson (1979)	Minimum age of metamorphic crystallization.
814	Dacite	Buckskin Gulch dacite	USGS(D)-HBD-4	-106.1284199	39.31603	Leadville	Climax	K/Ar	Biotite	69.9	1.7	69.9	Marvin and Dobson (1979)	Age slightly too old; dike cuts granodiorite which is 66.7 Ma.
815	Quartz monzonite	Humbug stock	USGS(D)-K150	-106.1049191	39.449953	Leadville	Breckenridge	K/Ar	Biotite	41.5	1	41.5	Marvin and Dobson (1979)	
816	Leucogranite	Buckskin Gulch leucogranite	USGS(D)-LG-15	-106.1206749	39.332986	Leadville	Alma	K/Ar	Biotite	66.7	1.6	66.7	Marvin and Dobson (1979)	
817	Melagranodiorite	Buckskin Gulch melagranodiorite	USGS(D)-MG-4	-106.1263889	39.316667	Leadville	Climax	K/Ar	Biotite	71.2	1.7	71.2	Marvin and Dobson (1979)	
818	Carbonitite	Sloan diatreme	USGS(D)-SLOAN-2	-105.4561	40.8425	Fort Collins	Haystack Gulch	K/Ar	Biotite	1350	30		Marvin and Dobson (1979)	
819	Granodiorite	Twin Lakes stock	USGS(D)-TL-F6-16	-106.4136111	39.070833	Leadville	Mount Elbert	FT	Zircon	45.5	5.1	45.5	Marvin and Dobson (1979)	
820	Rhyolite porphyry	Unamed rhyolite	USGS(D)VA-217	-106.0611111	38.491667	Saguache	Poncha Pass	K/Ar	Whole-rock	90	3.1	90	Marvin and others (1989)	Age probably too old. Poor location.
821	Basalt	Flattops area	26	-107.0502778	39.531111	Glenwood Springs	Cottonwood Pass	K/Ar	Whole-rock	11.4	1	11.1	Marvin and others (1974)	
822	Rhyolite	Rabbit Ears Volcanics	43	-106.2586111	40.175833	Steamboat Springs	Gunsight Pass	FT	Zircon	30.8	2.8	30	Marvin and others (1974)	Location approximate.
823	Latite	Radial Mountain dike	53	-106.0952778	40.343889	Steamboat Springs	Radial Mountain	FT	Zircon	26.8	2.2	26.1	Marvin and others (1974)	Location approximate.

824	Latite	Haystack stock	55	-106.2334544	40.316475	Steamboat Springs	Parkview Mountain	K/Ar	Biotite	25	0.6	24.4	Marvin and others (1974)	Location approximate.
825	Quartz monzonite porphyry	Tucker Mountain quartz monzonite	90	-106.1730084	39.457879	Leadville	Copper Mountain	K/Ar	Biotite	43.9	2	42.8	Marvin and others (1974)	Age recalculated by Wallace (1993, 1995).
826	Rhyolite porphyry	Tucker Mountain rhyolite porphyry	91	-106.1701472	39.451062	Leadville	Copper Mountain	K/Ar	Sanidine (?)	36.1	1.4	35.2	Marvin and others (1974)	Age recalculated by Wallace (1993, 1995).
827	Quartz monzonite porphyry	Humbug stock	92	-106.1668186	39.443682	Leadville	Copper Mountain	K/Ar	Biotite	44.7	2.1	43.6	Marvin and others (1974)	
828	Quartz monzonite	Humbug stock	93	-106.1625	39.444444	Leadville	Copper Mountain	K/Ar	Biotite	35.9	1.4	35	Marvin and others (1974)	Age recalculated by Wallace (1993,1995).
829	Quartz monzonite porphyry	Humbug stock	94	-106.1388889	39.444444	Leadville	Copper Mountain	K/Ar	Biotite	48	2.2	46.8	Marvin and others (1974)	Age recalculated by Wallace (1993,1995).
830	Quartz monzonite	Humbug stock	95	-106.1388889	39.444444	Leadville	Copper Mountain	K/Ar	Biotite	35.8	2	34.9	Marvin and others (1974)	Age recalculated by Wallace (1993,1995).
831	Rhyolite	Chalk Mountain rhyolite	98	-106.2111111	39.373333	Leadville	Climax	K/Ar	Biotite	27.7	1.9	27	Marvin and others (1974)	Age recalculated by Wallace (1993, 1995).
832	Granite		162	-106.7833333	37.266667	Antonito	Blackhead Peak	K/Ar	Biotite	27.7	Not report	27	Marvin and others (1974)	Location approximate. Analytical data not available.
833	Granite		162	-106.7833333	37.266667	Antonito	Blackhead Peak	K/Ar	Biotite	22	Not report	21.4	Marvin and others (1974)	Location approximate. Analytical data not available.
834	Quartz latite	Cropsy Mountain	181	-106.6	37.408333	Antonito	Summitville	K/Ar	Biotite	23.5	0.6	22.9	Marvin and others (1974)	
835	Quartz latite	Cropsy Mountain	181	-106.6	37.408333	Antonito	Summitville	K/Ar	Sanidine	23.4	0.6	22.8	Marvin and others (1974)	
836	Altered rock	South Mountain area	183	-106.6083333	37.425	Antonito	Summitville	K/Ar	Alunite	22.9	0.5	22.3	Marvin and others (1974)	
837	Altered rock	South Mountain area	183	-106.6083333	37.425	Antonito	Summitville	K/Ar	Alunite	23	0.5	22.4	Marvin and others (1974)	
838	Tuff	Wall Mountain Tuff	198	-106.059646	38.653712	Gunnison	Nathrop	K/Ar	Sanidine	36.3	1.1	35.4	Marvin and others (1974)	Location approximate.
839	Tuff	Wall Mountain Tuff	198	-106.0593437	38.653834	Gunnison	Nathrop	K/Ar	Biotite	38.3	1.9	37.3	Marvin and others (1974)	Location approximate.
840	Perlite	Nathrop Volcanics	199	-106.0666667	38.75	Gunnison	Nathrop/Buena Vista East	K/Ar	Obsidian	30.1	1.5	29.3	Marvin and others (1974)	Location approximate.
841	Rhyolite	Nathrop Volcanics	200	-106.0777778	38.755556	Gunnison	Buena Vista East	K/Ar	Sanidine	28.7	0.8	28	Marvin and others (1974)	
842	Rhyolite	Nathrop Volcanics	201	-106.0763889	38.763889	Gunnison	Buena Vista East	K/Ar	Sanidine	29.9	0.9	29.1	Marvin and others (1974)	
843	Unnamed	Upper Buckskin Gulch stock	203	-106.129345	39.314846	Leadville	Climax	K/Ar	Biotite	65.6	Not report	64	Marvin and others (1974)	
844	Andesite	Thirtynine Mile Andesite, upper member	206	-105.5383333	38.838056	Pikes Peak	Thirtynine Mile Mountain	K/Ar	Whole-rock	35	1.1	34.1	Marvin and others (1974)	Location approximate.
845	Phonolite	Phonolite of Cripple Creek	212	-105.2116201	38.75766	Pikes Peak	Cripple Creek North	K/Ar	Sanidine	28.6	0.7	27.9	Marvin and others (1974)	Location approximate.
846	Phonolite	Phonolite of Cripple Creek	212	-105.2116198	38.757564	Pikes Peak	Cripple Creek North	K/Ar	Sanidine	30.1	0.7	29.3	Marvin and others (1974)	Location approximate.
847	Tuff	Gribbles Park Tuff	216	-105.5788889	38.524722	Pikes Peak	Hall Gulch	K/Ar	Sanidine	35.7	1.4	34.8	Marvin and others (1974)	Sample probably contaminated with Precambrian detritus. Location approximate.
848	Andesite	Andesite of Waugh Mountain	217	-105.5827829	38.500833	Pikes Peak	Hall Gulch	K/Ar	Whole-rock	19.4	1.2	18.9	Marvin and others (1974)	Location approximate.
849	Tuff	Gribbles Park Tuff	220	-105.5998738	38.264095	Canon City	Hillside	K/Ar	K-feldspar	34.5	1.1	33.6	Marvin and others (1974)	Location approximate.
850	Tuff	Round Mountain, Silver Cliff	223	-105.4272222	38.14375	Canon City	Westcliffe	K/Ar	Biotite	85.6	3.8	83.5	Marvin and others (1974)	Age too old; concentrate probably contaminated with older material. Location approximate.
851	Trachyte	stock of Game Ridge	225	-105.3208333	38.108333	Canon City	Rosita	K/Ar	Whole-rock	34.1	0.9	33.2	Marvin and others (1974)	Age probably too old due to xenocrysts. Location approximate.
852	Andesite	Andesite, east Flank of Sangre de Cristo Mountains	229	-105.4541667	37.95	Blanca Peak	Beck Mountain	K/Ar	Feldspar-quartz	42.3	1.2	41.2	Marvin and others (1974)	Age probably too old.
853	Granite	Zapata Creek area	230	-105.525	37.641667	Blanca Peak	Zapata Ranch	K/Ar	Biotite	65.7	2.3	64.1	Marvin and others (1974)	
854	Granite	Zapata Creek area	231	-105.5125	37.626389	Blanca Peak	Zapata Ranch	K/Ar	Biotite	56.6	2.6	55.2	Marvin and others (1974)	Location approximate.
855	Latite	Zapata Creek area	232	-105.5416667	37.616667	Blanca Peak	Twin Peaks	K/Ar	Biotite-amphibole	51.4	4.2	50.1	Marvin and others (1974)	
856	Granite	Blanca Peak pluton	233	-105.5535909	37.551817	Blanca Peak	Twin Peaks	K/Ar	Biotite	33	0.8	32.2	Marvin and others (1974)	Location approximate.
857	Quartz monzonite	Sill, west of Sheep Mountain	234	-105.2309299	37.682384	Blanca Peak	Little Sheep Mountain	K/Ar	Biotite	38.4	2	37.4	Marvin and others (1974)	Location approximate.
858	Vitric tuff	In Devil's Hole Formation	235	-105.2333333	37.958333	Blanca Peak	Bear Creek	K/Ar	Whole-rock, non-magnetic fraction	116	8	113	Marvin and others (1974)	Age questionable due to probable contamination with older material. Location approximate.
859	Andesite	In Devil's Hole Formation	236	-105.225	37.966667	Blanca Peak	Bear Creek	K/Ar	Biotite (impure)	39.2	1.5	38.2	Marvin and others (1974)	Age probably too old. Location approximate.
860	Porphyry	Pando Porphyry	4233	-106.2277778	39.225	Leadville	Mount Sherman	K/Ar	Sericite	61.5	Not report	60	Marvin and others (1974)	Age recalculated by Wallace (1993, 1995).
861	Basalt	Yarmony Mountain	#1-3-1	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	22.5	Not report	21.9	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
862	Basalt	Yarmony Mountain	#1-4-1	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	22.6	Not report	22	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
863	Basalt	Yarmony Mountain	#1-5-1	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	20.4	Not report	19.9	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
864	Basalt	Yarmony Mountain	#1-5-2	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	18	Not report	17.5	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
865	Basalt	Yarmony Mountain	#1-6-1	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	21.6	Not report	21	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
866	Basalt	Yarmony Mountain	#1-7-1	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	22.9	Not report	22.3	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
867	Basalt	Yarmony Mountain	#1-8-1	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	21.1	Not report	20.6	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
868	Basalt	Yarmony Mountain	10A	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	23.6	Not report	23	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
869	Basalt	Yarmony Mountain	16A	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	24.6	Not report	24	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
870	Basalt	Yarmony Mountain	16A	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	25.7	Not report	25	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
871	Porphyry	Porphyry at Hahns Peak	1A	-106.9172222	40.835556	Walden	Hahns Peak	K/Ar	Sanidine	10.3	0.3	10	Marvin and others (1974)	
872	Porphyry	Porphyry at Hahns Peak	1A	-106.9172222	40.835556	Walden	Hahns Peak	K/Ar	Sanidine	9.1	0.4	8.9	Marvin and others (1974)	
873	Porphyry	Porphyry at Hahns Peak	1A	-106.9172222	40.835556	Walden	Hahns Peak	K/Ar	Sanidine	10.5	0.6	10.2	Marvin and others (1974)	
874	Porphyry	Porphyry at Hahns Peak	1A	-106.9172222	40.835556	Walden	Hahns Peak	K/Ar	Sanidine	11.9	0.7	11.6	Marvin and others (1974)	
875	Porphyry	Porphyry at Hahns Peak	1A	-106.9172222	40.835556	Walden	Hahns Peak	K/Ar	Sanidine	10.6	0.4	10.3	Marvin and others (1974)	
876	Porphyry	Porphyry at Hahns Peak	1A	-106.9172222	40.835556	Walden	Hahns Peak	K/Ar	Sanidine	10.5	0.6	10.2	Marvin and others (1974)	
877	Porphyry	Porphyry at Hahns Peak	1A	-106.9172222	40.835556	Walden	Hahns Peak	K/Ar	Sanidine	9.6	0.4	9.4	Marvin and others (1974)	
878	Quartz andesite	Porphyry at Hahns Peak	1C	-106.9291667	40.841667	Walden	Hahns Peak	K/Ar	Biotite	11	0.4	10.7	Marvin and others (1974)	
879	Quartz andesite	Porphyry at Hahns Peak	1C	-106.9291667	40.841667	Walden	Hahns Peak	K/Ar	Sanidine	11.8	0.4	11.5	Marvin and others (1974)	
880	Quartz monzonite(?)	Caribou stock	458	-105.5819	39.9778	Denver West	Nederland	FT	Zircon	62.6	6.3		Marvin and others (1974)	
881	Basalt	Yarmony Mountain	4A	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	24.9	Not report	24.3	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
882	Rhyolite	Wall Mountain Tuff	5-70-1	-105.5791667	38.616667	Pikes Peak	Hall Gulch	K/Ar	Sanidine	35.6	0.7	34.7	Marvin and others (1974)	Location approximate.
883	Syenodiorite	Spanish Peaks radial dike swarm	641-c	-104.9982759	37.325351	Alamosa	Cucharas Pass	FT	Apatite	21.5	3	21.5 ± 3.0	Marvin and others (1974)	Age may be in error due to large number of crystal defects within apatite.
884	Rhyolite	Ash in Troublesome Formation	65G57	-106.2986111	40.033333	Steamboat Springs	Junction Butte	FT	Zircon	13.1	2.3	12.8	Marvin and others (1974)	Location approximate.
885	Basalt	Conejos Formation	66L-26	-106.2166667	37.15	Antonito	Vicente Canyon	K/Ar	Whole-rock	27.5	0.8	26.8	Marvin and others (1974)	
886	Basalt	Conejos Formation	66L-30	-106.2333333	37.15	Antonito	Vicente Canyon	K/Ar	Whole-rock	24.9	0.8	24.3	Marvin and others (1974)	
887	Basalt	Conejos Formation	66L-36	-106.2	37.216667	Antonito	Vicente Canyon	K/Ar	Whole-rock	4.7	0.26	4.6	Marvin and others (1974)	
888	Basalt	Conejos Formation	66L-98	-106.1833333	37.383333	Antonito	Fulcher Gulch	K/Ar	Whole-rock	19.3	0.4	18.8	Marvin and others (1974)	
889	Rhyolite	Wall Mountain Tuff	68-0-39	-105.3041667	38.941667	Pikes Peak	Lake George	K/Ar	Biotite	36.6	0.8	35.7	Marvin and others (1974)	Location approximate.
890	Rhyolite	Wall Mountain Tuff	68-0-39	-105.3041667	38.941667	Pikes Peak	Lake George	K/Ar	Sanidine	37.1	0.8	36.2	Marvin and others (1974)	Location approximate.
891	Tuff	Gribbles Park Tuff	68-0-40	-105.7474638	38.64251	Pikes Peak	Black Mountain	K/Ar	Biotite	34.5	0.7	33.6	Marvin and others (1974)	Location approximate.
892	Tuff	Gribbles Park Tuff	68-0-40	-105.7474863	38.642492	Pikes Peak	Black Mountain	K/Ar	Sanidine	34.6	0.8	33.7	Marvin and others (1974)	Location approximate.
893	Ash flow	Gribbles Park Tuff	68-0-42	-105.55	38.483333	Canon City	Echo	K/Ar	Sanidine	29.3	0.6	28.6	Marvin and others (1974)	
894	Ash flow	Gribbles Park Tuff	68-0-42	-105.55	38.483333	Canon City	Echo	K/Ar	Sanidine	30.3	0.7	29.5	Marvin and others (1974)	
895	Tuff	Tuff in conglomerate of Fear Creek	68-0-43	-105.55	38.483333	Canon City	Echo	K/Ar	Hornblende	29.5	0.9	28.8	Marvin and others (1974)	
896	Tuff	Tuff in conglomerate of Fear Creek	68-0-43	-105.55	38.483333	Canon City	Echo	K/Ar	Biotite	28.4	0.6	27.7	Marvin and others (1974)	
897	Tuff	Tuff in conglomerate of Fear Creek	68-0-43	-105.55	38.483333	Canon City	Echo	K/Ar	Sanidine	27.5	0.6	26.8	Marvin and others (1974)	
898	Tuff	Tuff in conglomerate of Fear Creek	68-0-43	-105.55	38.483333	Canon City	Echo	K/Ar	Sanidine	28.5	0.6	27.8	Marvin and others (1974)	
899	Rhyolite	Ash in Troublesome Formation	68G105	-106.3738889	40.087222	Steamboat Springs	Junction Butte	FT	Zircon	11.5	1.8	11.2	Marvin and others (1974)	Location approximate.
900	Basalt	Conejos Formation	68L-134I	-106.1666667	37.05	Antonito	Fox Creek	K/Ar	Whole-rock	4.5	0.22	4.4	Marvin and others (1974)	
901	Basalt	Conejos Formation	68L-16A	-106.2	37.15	Antonito	Vicente Canyon	K/Ar	Whole-rock	20.3	0.6	19.8	Marvin and others (1974)	
902	Rhyolite flow	Neversummer Range, west of Shadow Mountains reservoir	71G 103	-105.8875	40.2389	Estes Park	Trail Mountain	FT	Zircon	25.5	2.4		Marvin and others (1974)	
903	Pumice	Devils Hole Formation	71-S-2	-105.3041667	38.074722	Canon City	Rosita	K/Ar	Biotite	32.9	0.9	32.1	Marvin and others (1974)	Location approximate.
904	Latite porphyry	Green Mountain sill	72N2	-106.3213889	39.878611	Vail	King Creek	FT	Zircon	29.9	2.4	29.9 ± 2.4	Marvin and others (1974)	
905	Rhyolite	Plug on Porphyry Peak	72N6	-105.9375	40.279167	Estes Park	Bowen Mountain	FT	Zircon	25.4	2.3	25.4 ± 2.3	Marvin and others (1974)	
906	Dacite	East of Hahns Peak	7K	-106.8861111	40.865833	Walden	Hahns Peak	K/Ar	Sanidine	10.6	0.3	10.3	Marvin and others (1974)	
907	Basalt	Yarmony Mountain	8A	-106.6416667	39.908333	Vail	McCoy	K/Ar	Whole-rock	23.6	Not report	23	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
908	Audubon stock	Audubon stock, west	AOA	-105.6167	40.0722	Estes Park	Ward	K/Ar	Biotite	71.7	2		Marvin and others (1974)	
909	Quartz latite	Dike, north of Fourmile Canyon	B1379	-105.324318	40.034565	Estes Park	Boulder	K/Ar	Biotite	66.2	2.2		Marvin and others (1974)	Dike
910	Monzonite porphyry	Stock, south of Left Hand Creek	B1382	-105.3283	40.095	Estes Park	Boulder	K/Ar	Hornblende	46.6	1.00		Marvin and others (1974)	
911	Quartz latite	Dike, west of Boulder	B204	-105.3036	40.0222	Estes Park	Boulder	K/Ar	Biotite	67	2.2		Marvin and others (1974)	Dike
912	Quartz latite	Dike, north of Left Hand Creek	B743	-105.3519	40.1072	Estes Park	Boulder	K/Ar	Biotite	65.8	2.2		Marvin and others (1974)	Dike
913	Granodiorite	Whitehorn stock	CM-201	-105.9338889	38.690278	Pikes Peak	Cameron Mountain	K/Ar	Biotite	71.8	2.6	70	Marvin and others (1974)	
914	Granodiorite	Missouri Creek stock	D-6	-106.4833333	39.3875	Leadville	Mount of the Holy Cross	K/Ar	Biotite	64.6	3	63	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
915	Granodiorite	Missouri Creek stock	D-7	-106.4819444	39.386111	Leadville	Mount of the Holy Cross	K/Ar	Biotite	65.6	3	64	Marvin and others (1974)	Location approximate. Age recalculated by Wallace (1993, 1995).
916	Latite	Haystack stock	DK-2	-106.1888889	40.3275	Steamboat Springs	Parkview Mountain	FT	Zircon	28.4	3.8	27.7	Marvin and others (1974)	Location approximate.
917	Latite	Flagstaff Mountain sill	Flag 28-65	-105.2972	40.0031	Estes Park	Boulder	K/Ar	Biotite	66.2	2.4		Marvin and others (1974)	
918	Latite	Northwest of Hahns Peak	KA1846	-107.0472222	40.883333	Craig	Shield Mountain	K/Ar	Biotite	7.8	0.4	7.6	Marvin and others (1974)	Location approximate.
919	Latite	Poison Creek stock area	Kit-8	-106.2404352	40.321609	Steamboat Springs	Parkview Mountain	FT	Zircon	23.4	1.8	22.8	Marvin and others (1974)	Location approximate.
920	Quartz monzonite	Hahns Peak stock	L-1030	-106.975	40.841667	Walden	Hahns Peak	K/Ar	Biotite	9.7	0.3	9.5	Marvin and others (1974)	
921	Whitehorn stock	Whitehorn stock	L-1035	-105.95	38.633333	Pikes Peak	Cameron Mountain	K/Ar	Hornblende	71.2	2.1	69.4	Marvin and others (1974)	Location approximate.
922	Whitehorn stock	Whitehorn stock	L-1035	-105.95	38.633333	Pikes Peak	Cameron Mountain	K/Ar	Biotite	72.2	2.1	70.4	Marvin and others (1974)	Location approximate.
923	Syenite	Syenite of Cripple Creek	L-945	-105.1277778	38.729167	Pikes Peak	Cripple Creek South	K/Ar	Aegirine	34.3	1	33.4	Marvin and others (1974)	Location approximate.
924	Syenite	Syenite of Cripple Creek	L-945	-105.1277778	38.729167	Pikes Peak	Cripple Creek South	K/Ar	Aegirine	34.7	1.3	33.8	Marvin and others (1974)	Location approximate.
925	Rhyolite	Florissant Lake Beds	OHM-65-01	-105.2916667	38.916667	Pikes Peak	Lake George	K/Ar	Sanidine	35	0.8	34.1	Marvin and others (1974)	Location approximate.
926	Andesite	Thirtynine Mile upper andesite	OHM-65-02	-105.2819444	38.890278	Pikes Peak	Lake George	K/Ar	Plagioclase	30.3	1.5	29.5	Marvin and others (1974)	Location approximate.
927	Mafic latite	Ralston sill	R-14	-105.2397	39.8242	Denver West	Golden	K/Ar	Whole-rock	63.5	2.5		Marvin and others (1974)	
928	Rhyolite	Silver Cliff rhyolite	R4226	-105.45	38.133333	Canon City	Westcliffe	Rb-Sr	Glass	39	13	40 ± 13	Marvin and others (1974)	Model age. Location approximate.
929	Tonalite	Rito Alto stock	RA-3-70	-105.7438889	38.224444	Canon City	Electric Peak	FT	Sphene	31.8	2.3	31.8 ± 2.3	Marvin and others (1974)	Location approximate.
930	Tonalite	Rito Alto stock	RA-3-70	-105.7438889	38.224444	Canon City	Electric Peak	FT	Zircon	27.1	3.2	27.1 ± 3.2	Marvin and others (1974)	Location approximate.
931	Rhyolite	Rhyolite of Antrim Lode	SC-594	-105.325	38.152778	Canon City	Mount Tyndall	K/Ar	Sanidine	27	0.7	26.3	Marvin and others (1974)	Location approximate.
932	Rhyolite	Rhyolite of Antelope Butte	SC-595	-105.2978455	38.058251	Canon City	Rosita	K/Ar	Sanidine	28	0.8	27.3	Marvin and others (1974)	Location approximate.
933	Tuff	Badger Creek Tuff	SM-5-72	-105.9866667	38.818333	Pikes Peak	Castle Rock Gulch	FT	Zircon	31.8	3.5	31.8 ± 3.5	Marvin and others (1974)	Location approximate.
934	Mafic schlieren	Twin Lakes stock	TL-F-6-16	-106.4030556	39.070556	Leadville	Mount Elbert	FT	Sphene	39.2	4.2	39.2 ± 4.2	Marvin and others (1974)	
935	Mafic schlieren	Twin Lakes stock	TL-F-6-16	-106.4030556	39.070556	Leadville	Mount Elbert	FT	Zircon	45.5	5	45.5	Marvin and others (1974)	
936	Ash flow	south of Rosita	TRT-1-72	-105.3397215	38.065097	Canon City	Rosita	FT	Zircon	27.5	2.8	27.5 ± 2.8	Marvin and others (1974)	Location approximate.
937	Trachyandesite	Rawley Andesite	V-567	-106.1236111	38.420833	Saguache	Poncha Pass	K/Ar	Whole-rock	32.6	1.1	31.8	Marvin and others (1974)	
938	Latite	Squirrel Gulch Latite (?)	V-998	-106.1	38.455278	Saguache	Poncha Pass	K/Ar	Biotite	34.1	1.3	33.2	Marvin and others (1974)	
939	Latite	Squirrel Gulch Latite (?)	V-998	-106.1	38.455278	Saguache	Poncha Pass	K/Ar	Plagioclase	34.6	2.1	33.7	Marvin and others (1974)	
940	Latite	Squirrel Gulch Latite (?)	V-999	-106.1183333	38.439444	Saguache	Poncha Pass	K/Ar	Plagioclase	35.1	1.6	34.2	Marvin and others (1974)	
941	Monzonite	Empire stock		-105.7167	39.7667	Denver West	Empire	K/Ar	Hornblende	54.6	Not report		Marvin and others (1974)	
942	Diorite-monzonite stock	Possibly Long Gulch stock		-105.45	40.0333	Estes Park	Gold Hill	K/Ar	Hornblende	45.1	Not report		Marvin and others (1974)	No rock of this composition shown at this location on detailed map. Possibly Long Gulch stock 1.5 mi NE.
943	Granodiorite	Jamestown Stock		-105.3789874	40.116003	Estes Park	Boulder	K/Ar	Biotite	55.9	1.9		Marvin and others (1974)	
944	Granodiorite	Jamestown Stock		-105.3791116	40.116003	Estes Park	Boulder	FT	Zircon	51.1	4.2		Marvin and others (1974)	
945	Basaltic andesite	Flattops area		-107.1755556	39.878611	Glenwood Springs	Trappers Lake	K/Ar	Whole-rock	12.7	0.5	12.4	Marvin and others (1974)	No sample number reported.
946	Hornblende quartz latite porphyry	Rustic Dike	D-1	-105.6217	40.7311	Fort Collins	Rustic	K/Ar	Hornblende	56	1.1		Marvin and others (1974); Bole (1971)	
947	Rhyolite	Plug on Porphyry Peak	72N7	-105.9375	40.2792	Estes Park	Bowen Mountain	FT	Zircon	24.9	2		Marvin and others (1974); Braddock and Cole (1990)	
948	Granodiorite	Mount Richtofen stock	305B	-105.9	40.45	Estes Park	Mount Richthofen	K/Ar	Biotite	28.7	3		Marvin and others (1974); Corbett (1968)	
949	Quartz latite flow	Ash flow south of Cameron Pass, Neversummer Volcanics	307B	-105.8583	40.4667	Estes Park	Fall River Pass	K/Ar	Biotite	28.7	3		Marvin and others (1974); Corbett (1968)	
950	Basalt	Flow in lowest part of Troublesome Formation	72G-42	-105.9434075	40.145903	Estes Park	Trail Mountain	K/Ar	Whole-rock	26.8	0.40		Marvin and others (1974); Izett (1974)	
951	Rhyolitic ash fall	Lowest part of Troublesome Formation	72G-52	-105.95277	40.143551	Estes Park	Trail Mountain	FT	Zircon	22.7	2.3		Marvin and others (1974); Izett (1974)	
952	Latite	Plug intrudes basal Troublesome Formation		-105.9383	40.2228	Estes Park	Trail Mountain	FT	Zircon	28.4	2.3		Marvin and others (1974); Izett (1974)	Date originally reported as 27.6 Ma. Recalculated gy Braddock and Cole (1990).
953	Monzonite	Caribou stock	75CS69	-105.5792	39.9828	Denver West	Nederland	K/Ar	Biotite	65.5	2.4		Marvin and others (1989)	
954	Quartz monzonite	Caribou stock	75CS78	-105.5872403	39.977222	Denver West	Nederland	K/Ar	Hornblende	68.2	4.1		Marvin and others (1989)	
955	Granodiorite	Montezuma stock	75CS84A	-105.9153	39.605	Denver West	Keystone	K/Ar	Biotite	37.9	1.4		Marvin and others (1989)	
956	Granodiorite	Empire stock	75CS88	-105.6697	39.7603	Denver West	Empire	K/Ar	Biotite	61.6	2.2		Marvin and others (1989)	
957	Monzogranite	Intrusive rocks of Treasure Vault Lake	83P100	-106.5213889	39.409167	Leadville	Mount Jackson	K/Ar	Biotite	64	2.3	64	Marvin and others (1989)	
958	Granitic gneiss	Metavolcanic gneiss	USGS(D)1028	-106.6327778	40.987222	Walden	Davis Peak	U-Pb	Zircon	1576	18	1576	Marvin and others (1989)	207Pb/206Pb age; considered too young as geologic relationships require an age of at least 1,800 Ma.
959	Quartz monzonite	Swan Mountain sill	USGS(D)75CS86	-106.0388889	39.591111	Vail	Frisco	K/Ar	Biotite	44.1	1.6	44.1	Marvin and others (1989)	
960	Quartz diorite	Quartz Creek stock	USGS(D)BMG-1QC	-106.7543894	37.394582	Antonito	Wolf Creek Pass	FT	Zircon	24.3	2.8	24.3	Marvin and others (1989)	Core from Benson-Montin-Greer No. 1 Quartz Creek well.
961	Rhyolite porphyry intrusion	Pando Porphyry, Granite area	USGS(D)G-A-82	-106.2552778	39.063889	Leadville	Granite	K/Ar	Whole-rock	65.3	2.4	65.3	Marvin and others (1989)	
962	Rhyolite porphyry intrusion	Rough and Tumbling stock	USGS(D)JH-9-82	-106.1083333	39.036111	Leadville	Jones Hill	K/Ar	Biotite	61.4	2.2	61.4	Marvin and others (1989)	
963	Hornblende andesite	Ring andesite, Rosita	USGS(D)S69-404	-105.3755997	38.082616	Canon City	Aldrich Gulch	K/Ar	Biotite	27.4	0.8	27.4	Marvin and others (1989)	Biotite concentrate probably altered or impure as indicated by low K content.
964	Andesitic tuff	Badger Creek Tuff	USGS(D)SBNM-1	-105.9333333	38.822222	Pikes Peak	Castle Rock Gulch	K/Ar	Biotite	36.3	0.9	36.3	Marvin and others (1989)	
965	Andesitic tuff	Badger Creek Tuff	USGS(D)SBNM-1	-105.9333333	38.822222	Pikes Peak	Castle Rock Gulch	K/Ar	Hornblende	37.4	0.7	37.4	Marvin and others (1989)	
966	Diabasic diorite	Dioritic phase of gabbro of Elkhorn Mountain	USGS(D)SS1	-107.0430556	40.990278	Craig	Shield Mountain	U-Pb	Zircon	1781	20	1781	Marvin and others (1989)	207Pb/206Pb age; approximates time of emplacement of the pluton.
967	Rhyolite porphyry	Unnamed Rhyolite	USGS(D)V-866	-106.0694444	38.493056	Saguache	Poncha Pass	K/Ar	Whole-rock	69.7	2.4	69.7	Marvin and others (1989)	Poor location.
968	Quartz monzonite	Methodist Mountain	USGS(D)V-997	-106.015	38.452778	Saguache	Poncha Pass	K/Ar	Biotite	1290	50	1290	Marvin and others (1989)	Considered to be a minimum age.
969	Quartz latite	Intrusive breccia, East Lake Creek	W3127	-106.575	39.457778	Leadville	Mount Jackson	K/Ar	Biotite	62.2	1.7	62.2	Marvin and others (1989)	
970	Biotite granodiorite	Rawah pluton	USGS(D)-KC438	-105.9392	40.8153	Fort Collins	Glendevey	Rb-Sr	Whole-rock	1689	Not report		McCallum and Hedge (1976)	
971	Flow banded rhyolite	Rhyolite flow, east of Manhattan	USGS(D)-5-39A	-105.5392	40.7256	Fort Collins	Rustic	FT	Zircon	33.3	6.7		McCallum and Naeser (1977)	
972	Quartz-rich dacite porphyry	Manhattan dike swarm	USGS(D)-5-43	-105.5664	40.7225	Fort Collins	Rustic	FT	Zircon	57.2	6		McCallum and Naeser (1977)	
973	Quartz-rich dacite porphyry	Manhattan dike swarm	USGS(D)-5-44	-105.5708	40.7222	Fort Collins	Rustic	FT	Zircon	58.7	5.8		McCallum and Naeser (1977)	
974	Porphyritic rhyodacite	Manhattan dike swarm	USGS(D)-73N1	-105.5189	40.6931	Fort Collins	Rustic	FT	Zircon	57.9	5.2		McCallum and Naeser (1977)	
975	Dacite porphyry	Manhattan dike swarm	USGS(D)-73N2	-105.5969	40.715	Fort Collins	Rustic	FT	Zircon	60.2	4.9		McCallum and Naeser (1977)	
976	Porphyritic rhyodacite to quartz latite	Manhattan dike swarm	USGS(D)-73N3	-105.5900691	40.716755	Fort Collins	Rustic	FT	Zircon	56.4	5		McCallum and Naeser (1977)	
977	Sodic, quartz-rich dacite porphyry	Manhattan dike swarm	USGS(D)-73N4	-105.5817	40.7264	Fort Collins	Rustic	FT	Zircon	54	5.8		McCallum and Naeser (1977)	
978	Porphyritic hornblende dacite	Manhattan dike swarm	USGS(D)-73N5	-105.6025028	40.734376	Fort Collins	Rustic	FT	Zircon	53.6	5.2		McCallum and Naeser (1977)	
979	Granodiorite	Jamestown stock	L-1031	-105.4	40.1167	Estes Park	Gold Hill	K/Ar	Hornblende	79.6	2.3		McDowell (1971)	
980	Granodiorite	Jamestown stock	L-1031	-105.4	40.1167	Estes Park	Gold Hill	K/Ar	Hornblende	73.6	2.2		McDowell (1971)	
981	Granodiorite	Lincoln Porphyry	L-1125	-106.2256876	39.315336	Leadville	Climax	K/Ar	Biotite	66.3	1.9	64.7	McDowell (1971)	Location and age recalculation from Wallace (1993, 1995).
982	Quartz monzonite	Montezuma stock	L-1032	-105.9	39.6	Denver West	Keystone	K/Ar	Biotite	39.6	1.2		McDowell (1971); Marvin and others (1974)	
983	Quartz monzonite	Eldora stock	L-1124	-105.5882435	39.95048	Denver West	Nederland	K/Ar	Biotite	60.6	1.8		McDowell (1971); Marvin and others (1974)	
984	Tuff	Wall Mountain Tuff	1	-106.0588889	38.654722	Gunnison	Poncha Springs NE	40Ar/39Ar	Sanidine	36.7	0.04	36.7	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
985	Tuff	Florissant Formation	3	-105.2958333	38.9175	Pikes Peak	Lake George	40Ar/39Ar	Sanidine	34	0.13	34.03	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
986	Tuff	Florissant Formation	4	-105.2958333	38.9175	Pikes Peak	Lake George	40Ar/39Ar	Sanidine	34.1	0.12	34.14	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
987	Tuff	Florissant Formation	5	-105.2958333	38.9175	Pikes Peak	Lake George	40Ar/39Ar	Sanidine	34	0.13	4.01	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
988	Latite	Latite of Waugh Mountain	101	-105.7594444	38.581944	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Hornblende	31.6	0.27	31.61	McIntosh and Chapin (2004)	Plateau age.

989	Latite	Latite of Waugh Mountain	101	-105.7594444	38.581944	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Matrix	31.7	0.21	31.74	McIntosh and Chapin (2004)	Plateau age.
990	Latite	Latite of Waugh Mountain	102	-105.7606867	38.583998	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Matrix	32.4	0.69	32.44	McIntosh and Chapin (2004)	Plateau age.
991	Andesite	Andesite of Waugh Mountain	103	-105.7569444	38.582222	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Matrix	31.3	0.21	31.28	McIntosh and Chapin (2004)	Plateau age.
992	Andesite	Andesitic intrusion at Guffey	201	-105.5216667	38.751389	Pikes Peak	Thirtynine Mile Mountain	40Ar/39Ar	Hornblende	38.1	2.92	38.12	McIntosh and Chapin (2004)	Llocation not given in source paper. Guffey townsite used as location in order to plot on map. Plateau age; considered to be inaccurate or imprecise.
993	Andesite	Andesitic intrusion at Guffey	202	-105.5216667	38.751389	Pikes Peak	Thirtynine Mile Mountain	40Ar/39Ar	Hornblende	36.1	0.49	36.06	McIntosh and Chapin (2004)	Location not given in source paper. Guffey townsite used as location in order to plot on map. Plateau age.
994	Andesite	Andesitic intrusion at Guffey	203	-105.5216667	38.751389	Pikes Peak	Thirtynine Mile Mountain	40Ar/39Ar	Hornblende	36	0.69	35.97	McIntosh and Chapin (2004)	Location not given in source paper. Guffey townsite used as location in order to plot on map. Plateau age.
995	Andesite	Andesitic intrusion at Guffey	204	-105.5216667	38.751389	Pikes Peak	Thirtynine Mile Mountain	40Ar/39Ar	Hornblende	36.9	1.59	36.92	McIntosh and Chapin (2004)	Location not given in source paper. Guffey townsite used as location in order to plot on map. Plateau age.
996	Tuff	Wall Mountain Tuff	531	-105.8197222	38.679722	Pikes Peak	Gribbles Park	40Ar/39Ar	Sanidine	36.6	0.11	36.61	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
997	Tuff	Badger Creek Tuff	534	-105.9575	38.614444	Pikes Peak	Salida East	40Ar/39Ar	Sanidine	33.8	0.1	33.8	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
998	Tuff	Tuff of Stirrup Ranch	536	-105.5486111	38.584444	Pikes Peak	Hall Gulch	40Ar/39Ar	Sanidine	36.5	0.16	36.5	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
999	Tuff	Gribbles Park Tuff	537	-105.7791667	38.609167	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	32.9	0.11	32.91	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1000	Tuff	East Gulch Tuff	538	-105.5655556	38.530556	Pikes Peak	Hall Gulch	40Ar/39Ar	Sanidine	33.7	0.15	33.69	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1001	Tuff	Thorn Ranch Tuff	539	-105.5622222	38.530278	Pikes Peak	Hall Gulch	40Ar/39Ar	Sanidine	33.6	0.14	33.59	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1002	Tuff	Antero Formation	540	-105.4863889	38.542222	Pikes Peak	Gribble Mountain	40Ar/39Ar	Sanidine	33.9	0.1	33.87	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1003	Tuff	Gribbles Park Tuff	541	-106.2713889	38.155	Saguache	Lake Mountain NE	40Ar/39Ar	Sanidine	32.8	0.12	32.85	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1004	Tuff	Bonanza Tuff (lower)	695	-106.1966667	38.128056	Saguache	Klondike Mine	40Ar/39Ar	Sanidine	34.2	1.21	34.19	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age; considered to be inaccurate. Table 2 of McIntosh and Chapin (2004) indicates sample was plagioclase which is consistent with the K/Ca reported in their Appendix 5.
1005	Tuff	Bonanza Tuff (lower)	695	-106.1966667	38.128056	Saguache	Klondike Mine	40Ar/39Ar	Biotite	33.2	0.12	33.21	McIntosh and Chapin (2004)	Plateau age; considered to be inaccurate or imprecise.
1006	Tuff	Bonanza Tuff (lower)	696	-106.1986111	38.129167	Saguache	Klondike Mine	40Ar/39Ar	Sanidine	33.2	0.16	33.23	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1007	Tuff	Bonanza Tuff (lower)	696	-106.1986111	38.129167	Saguache	Klondike Mine	40Ar/39Ar	Biotite	33.4	0.17	33.41	McIntosh and Chapin (2004)	Plateau age; considered to be inaccurate or imprecise. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1008	Tuff	Bonanza Tuff (lower)	697	-106.1986111	38.13	Saguache	Klondike Mine	40Ar/39Ar	Sanidine	32.9	0.1	32.9	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1009	Tuff	Bonanza Tuff (lower)	697	-106.1986111	38.13	Saguache	Klondike Mine	40Ar/39Ar	Biotite	33.3	0.13	33.3	McIntosh and Chapin (2004)	Plateau age; considered to be inaccurate or imprecise. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1010	Tuff	Bonanza Tuff (lower)	699	-106.1997222	38.130833	Saguache	Klondike Mine	40Ar/39Ar	Sanidine	32.9	0.09	32.89	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1011	Tuff	Bonanza Tuff (lower)	699	-106.1997222	38.130833	Saguache	Klondike Mine	40Ar/39Ar	Biotite	33.2	0.24	33.24	McIntosh and Chapin (2004)	Plateau age; considered to be inaccurate or imprecise. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1012	Tuff	Bonanza Tuff (lower)	700	-106.2686111	38.155278	Saguache	Lake Mountain NE	40Ar/39Ar	Sanidine	33	0.11	33.01	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1013	Tuff	Bonanza Tuff (lower)	700	-106.2686111	38.155278	Saguache	Lake Mountain NE	40Ar/39Ar	Biotite	44.2	7.18	44.16	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1014	Tuff	Bonanza Tuff (lower)	701	-106.2694444	38.154722	Saguache	Lake Mountain NE	40Ar/39Ar	Sanidine	32.8	0.11	32.83	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1015	Tuff	Badger Creek Tuff	702	-105.8180556	38.595833	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33.8	0.12	33.81	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1016	Tuff	Badger Creek Tuff	703	-105.8180556	38.596944	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33.8	0.14	33.82	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1017	Tuff	Badger Creek Tuff	705	-105.8180556	38.598333	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33.8	0.13	33.83	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1018	Tuff	Badger Creek Tuff	706	-105.8186111	38.598611	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33.8	0.13	33.8	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1019	Latite	Latite of Badger Creek	707	-105.8194444	38.599444	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33.7	0.12	33.68	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1020	Tuff	Antero Formation	708	-105.7958333	38.588056	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33.9	0.14	33.87	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1021	Tuff	Antero Formation	709	-105.7947222	38.589444	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	64	0.25	33.96	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1022	Tuff	Antero Formation	710	-105.7944444	38.59	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33.7	0.12	33.75	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1023	Tuff	Gribbles Park Tuff	711	-105.7708333	38.595278	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	32.9	0.14	32.94	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1024	Tuff	Gribbles Park Tuff	712	-105.7683333	38.606667	Pikes Peak	Jack Hall Mountain	40Ar/39Ar	Sanidine	33	0.14	32.98	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1025	Tuff	Fish Canyon Tuff	779	-105.5686111	38.500556	Pikes Peak	Hall Gulch	40Ar/39Ar	Sanidine	27.7	0.14	27.71	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1026	Tuff	Florissant Formation	782	-105.2972222	38.916667	Pikes Peak	Lake George	40Ar/39Ar	Sanidine	34.1	0.12	34.07	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1027	Tuff	Florissant Formation	786	-105.2661321	38.868705	Pikes Peak	Wrights Reservoir	40Ar/39Ar	Sanidine	34	0.12	33.98	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1028	Tuff	East Gulch Tuff	789	-105.8202402	38.444281	Canon City	Howard	40Ar/39Ar	Sanidine	33.9	0.19	33.9	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age; considered to be inaccurate or imprecise.
1029	Tuff	Fish Canyon Tuff	790	-105.7995851	38.427668	Canon City	Howard	40Ar/39Ar	Sanidine	27.9	0.11	27.93	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1030	Tuff	Fish Canyon Tuff	791	-105.7913889	38.408333	Canon City	Howard	40Ar/39Ar	Sanidine	27.8	0.15	27.79	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1031	Tuff	Carpenter Ridge Tuff	792	-105.7927778	38.409722	Canon City	Howard	40Ar/39Ar	Sanidine	27.4	0.12	27.38	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1032	Tuff	Thorn Ranch Tuff	1130	-106.2744444	38.385278	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.5	0.12	33.54	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1033	Tuff	Thorn Ranch Tuff	1131	-106.2627778	38.389444	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.6	0.1	33.63	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1034	Bentonitic ash	Pitch-Pinnacle Forrmation	1132	-106.2602778	38.390833	Saguache	Pahlone Peak	40Ar/39Ar	Plagioclase	35.1	0.58	35.13	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age; considered to be inaccurate or imprecise. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1035	Vitrophyre	Thorn Ranch Tuff	1133	-106.2758333	38.385278	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.7	0.22	33.75	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1036	Tuff	Badger Creek Tuff clast in Pitch-Pinnacle Formation	1134	-106.3427778	38.371667	Saguache	Chester	40Ar/39Ar	Sanidine	33.9	0.21	33.85	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1037	Tuff	Badger Creek Tuff clast in Pitch-Pinnacle Formation	1135	-106.3552778	38.378889	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.9	0.21	33.93	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1038	Andesite	Badger Creek Tuff clast in Pitch-Pinnacle Formation	1136	-106.3552778	38.386944	Saguache	Pahlone Peak	40Ar/39Ar	Plagioclase	34.1	0.59	34.11	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age; considered to be inaccurate or imprecise. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1039	Pumice	Pitch-Pinnacle Forrmation	1137	-106.3188889	38.3875	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.4	0.25	33.38	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1040	Pumice	Pitch-Pinnacle Forrmation	1138	-106.3188889	38.3875	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.7	0.1	33.72	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1041	Pumice	Pitch-Pinnacle Forrmation	1140	-106.3188889	38.3875	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.7	0.37	33.75	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1042	Bentonitic ash	Pitch-Pinnacle Forrmation	1141	-106.3102778	38.391667	Saguache	Pahlone Peak	40Ar/39Ar	Sanidine	33.7	0.22	33.67	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1043	Tuff	Bonanza Tuff (upper)	1143	-106.2872222	38.355278	Saguache	Chester	40Ar/39Ar	Sanidine	32.8	0.2	32.81	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1044	Tuff	Bonanza Tuff (upper)	1144	-106.2847222	38.354722	Saguache	Chester	40Ar/39Ar	Sanidine	32.8	0.19	32.79	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1045	Tuff	East Gulch Tuff	1146	-105.6011065	38.268221	Canon City	Hillside	40Ar/39Ar	Sanidine	33.7	0.12	33.72	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1046	Tuff	Gribbles Park Tuff	1147	-105.5911111	38.269444	Canon City	Hillside	40Ar/39Ar	Sanidine	33	0.2	32.95	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1047	Tuff	Thorn Ranch Tuff	1148	-105.5941667	38.269444	Canon City	Hillside	40Ar/39Ar	Sanidine	33.7	0.09	33.73	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1048	Tuff	Thorn Ranch Tuff	1149	-105.5938889	38.269167	Canon City	Hillside	40Ar/39Ar	Sanidine	33.5	0.2	33.49	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1049	Sandstone	Antero Formation	1150	-105.5931843	38.270723	Canon City	Hillside	40Ar/39Ar	Sanidine	33.6	0.19	33.65	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1050	Tuff	Thorn Ranch Tuff	1151	-105.7175	38.335556	Canon City	Cotopaxi	40Ar/39Ar	Sanidine	33.8	0.22	33.75	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1051	Tuff	Wall Mountain Tuff	1152	-105.7233333	38.342222	Canon City	Cotopaxi	40Ar/39Ar	Sanidine	36.8	0.21	36.78	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1052	Tuff	Thorn Ranch Tuff	1153	-105.6902961	38.323956	Canon City	Cotopaxi	40Ar/39Ar	Sanidine	33.6	0.12	33.6	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1053	Tuff	Gribbles Park Tuff	1154	-105.6883333	38.323056	Canon City	Cotopaxi	40Ar/39Ar	Sanidine	33	0.18	32.96	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1054	Dacite	Dacite of Triad Ridge	1295	-106.0505556	38.813889	Gunnison	Buena Vista East	40Ar/39Ar	Sanidine	36.1	0.1	36.14	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1055	Tuff	Tuff of Triad Ridge	1296	-106.0463889	38.815833	Gunnison	Buena Vista East	40Ar/39Ar	Sanidine	36.2	0.32	36.22	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1056	Tuff	Tuff of Triad Ridge	1297	-106.05	38.8175	Gunnison	Buena Vista East	40Ar/39Ar	Biotite	37.3	0.18	37.34	McIntosh and Chapin (2004)	Plateau age.
1057	Tuff	Tuff of Triad Ridge	1297	-106.05	38.8175	Gunnison	Buena Vista East	40Ar/39Ar	Hornblende	37.3	0.39	37.32	McIntosh and Chapin (2004)	Plateau age.
1058	Tuff	Tuff of Triad Ridge	1298	-106.0463889	38.819167	Gunnison	Buena Vista East	40Ar/39Ar	Biotite	37.5	0.14	37.48	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1059	Tuff	Tuff of Triad Ridge	1299	-106.042618	38.820047	Gunnison	Buena Vista East	40Ar/39Ar	Biotite	37.6	0.15	37.62	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1060	Rhyolite	Rhyolite of Ruby Mountain	1300	-106.0755556	38.761667	Gunnison	Buena Vista East	40Ar/39Ar	Sanidine	30.1	0.08	30.08	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1061	Tuff	Upper tuff of Buffalo Peaks	1303	-106.0833333	38.991667	Gunnison	Marmot Peak	40Ar/39Ar	Hornblende	38.2	0.32	38.18	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1062	Tuff	Grizzly Peak Tuff	1304	-106.6166667	39.079722	Leadville	Independence Pass	40Ar/39Ar	Sanidine	34.3	0.09	34.27	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1063	Tuff	Grizzly Peak Tuff	1305	-106.6486111	39.093611	Leadville	New York Peak	40Ar/39Ar	Sanidine	34.4	0.11	34.36	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1064	Tuff	Tuff of Triad Ridge	1306	-105.9857745	38.820818	Pikes Peak	Castle Rock Gulch	40Ar/39Ar	Sanidine	257	65.4	257.49	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age; considered to be inaccurate or imprecise.
1065	Tuff	Wall Mountain Tuff	1307	-106.0305556	38.783056	Gunnison	Buena Vista East	40Ar/39Ar	Sanidine	36.7	0.1	36.66	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1066	Rhyolite	Rhyolite of Bald Mountain	1308	-106.0316667	38.781389	Gunnison	Buena Vista East	40Ar/39Ar	Anorthoclase	28.9	0.21	28.88	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1067	Rhyolite	Rhyolite of Bald Mountain	1309	-106.0313889	38.777778	Gunnison	Buena Vista East	40Ar/39Ar	Sanidine	30.3	0.08	30.35	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1068	Tuff	Intracaldera tuff of Mount Aetna (Badger Creek Tuff)	1310	-106.3472222	38.601667	Gunnison	Garfield	40Ar/39Ar	Sanidine	34.3	0.4	34.34	McIntosh and Chapin (2004)	Badger Creek Tuff in Table 1 of McIntosh and Chapin (2004). Laser-fusion weighted-mean age; considered to be inaccurate or imprecise.
1069	Tuff	Intracaldera tuff of Mount Aetna (Badger Creek Tuff)	1311	-106.3494444	38.605	Gunnison	Garfield	40Ar/39Ar	Sanidine	33.7	0.13	33.66	McIntosh and Chapin (2004)	Badger Creek Tuff in Appendix 1 of McIntosh and Chapin (2004). Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1070	Quartz monzonite	Mount Aetna stock	1312	-106.3419444	38.595	Gunnison	Garfield	40Ar/39Ar	Hornblende	33.4	0.52	33.4	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1071	Quartz monzonite	Mount Aetna stock	1313	-106.3269724	38.573559	Gunnison	Garfield	40Ar/39Ar	Biotite	34.3	0.29	34.28	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1072	Quartz monzonite	Mount Aetna stock	1313	-106.326968	38.573321	Gunnison	Garfield	40Ar/39Ar	Hornblende	36.4	0.73	36.42	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1073	Quartz monzonite	Mount Princeton pluton	1319	-106.2825732	38.784778	Gunnison	Mount Yale	40Ar/39Ar	Biotite	34.5	0.3	34.51	McIntosh and Chapin (2004)	Near plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1074	Quartz monzonite	Mount Princeton pluton	1319	-106.2824514	38.784779	Gunnison	Mount Yale	40Ar/39Ar	Hornblende	38.2	0.52	38.24	McIntosh and Chapin (2004)	Plateau age; considered to be inaccurate or imprecise. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1075	Tuff	Bonanza Tuff (intracaldera)	1400	-106.1433333	38.328333	Saguache	Bonanza	40Ar/39Ar	Sanidine	32.9	0.13	32.92	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1076	Tuff	Bonanza Tuff (lower)	1401	-106.1416667	38.336667	Saguache	Bonanza	40Ar/39Ar	Sanidine	33.2	0.1	33.17	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1077	Tuff	Bonanza Tuff (intracaldera)	1402	-106.1272222	38.208056	Saguache	Bonanza	40Ar/39Ar	Sanidine	32.9	0.09	32.88	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1078	Tuff	Bonanza Tuff (intracaldera)	1404	-106.1369444	38.311667	Saguache	Bonanza	40Ar/39Ar	Biotite	33.3	0.25	33.25	McIntosh and Chapin (2004)	Plateau age; considered to be inaccurate or imprecise.
1079	Quartz monzonite	Mount Princeton pluton	1405	-106.2894444	38.599167	Gunnison	Garfield	40Ar/39Ar	K-feldspar	31.7	0.27	31.67	McIntosh and Chapin (2004)	Plateau age; considered to be inaccurate or imprecise.
1080	Quartz monzonite	Mount Princeton pluton	1405	-106.2894444	38.599167	Gunnison	Garfield	40Ar/39Ar	Biotite	34.2	0.13	34.21	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1081	Quartz monzonite	Mount Aetna ring dike	1406	-106.281021	38.605916	Gunnison	Garfield	40Ar/39Ar	K-feldspar	333.1	1.9	333.1	McIntosh and Chapin (2004)	Total gas age; considered too old.
1082	Quartz monzonite	Mount Aetna ring dike	1406	-106.2807172	38.605919	Gunnison	Garfield	40Ar/39Ar	Biotite	236	1.3	235.6	McIntosh and Chapin (2004)	Total gas age; considered too old.
1083	Leucogranite	Mount Antero Granite	1407	-106.2716667	38.599722	Gunnison	Garfield	40Ar/39Ar	K-feldspar	28.6	0.53	28.65	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1084	Leucogranite	Mount Antero Granite	1407	-106.2716667	38.599722	Gunnison	Garfield	40Ar/39Ar	Biotite (altered)	29.1	0.18	29.12	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1085	Quartz monzonite	Mount Aetna ring dike	1408	-106.3542701	38.704465	Gunnison	Saint Elmo	40Ar/39Ar	K-feldspar	34.1	0.18	34.13	McIntosh and Chapin (2004)	Total gas age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1086	Quartz monzonite	Mount Aetna ring dike	1408	-106.3542701	38.704465	Gunnison	Saint Elmo	40Ar/39Ar	Hornblende	42.7	0.72	42.74	McIntosh and Chapin (2004)	otal gas age; considered to be inaccurate or imprecise.
1087	Quartz monzonite	Mount Princeton pluton	1409	-106.2933333	38.708611	Gunnison	Saint Elmo	40Ar/39Ar	K-feldspar	31.7	0.3	31.69	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1088	Quartz monzonite	Mount Princeton pluton	1409	-106.2933333	38.708611	Gunnison	Saint Elmo	40Ar/39Ar	Biotite	34.4	0.16	34.12	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1089	Quartz monzonite	Mount Princeton pluton	1409	-106.2933333	38.708611	Gunnison	Saint Elmo	40Ar/39Ar	Hornblende	34.5	1.21	34.55	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1090	Granite	Mount Antero Granite	1411	-106.255	38.669444	Gunnison	Saint Elmo	40Ar/39Ar	K-feldspar	26.8	0.23	26.77	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1091	Granite	Mount Antero Granite	1411	-106.255	38.669444	Gunnison	Saint Elmo	40Ar/39Ar	Biotite	29.6	0.11	29.64	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1092	Granite	Mount Antero Granite	1411	-106.255	38.669444	Gunnison	Saint Elmo	40Ar/39Ar	Muscovite	29.6	0.14	29.58	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1093	Granite	Mount Antero Granite	1412	-106.2555556	38.668056	Gunnison	Saint Elmo	40Ar/39Ar	K-feldspar	27.8	0.24	27.77	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1094	Granite	Mount Antero Granite	1412	-106.2555556	38.668056	Gunnison	Saint Elmo	40Ar/39Ar	Biotite	29.6	0.12	29.6	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1095	Granite	Mount Antero Granite	1412	-106.2555556	38.668056	Gunnison	Saint Elmo	40Ar/39Ar	Muscovite	29.5	0.1	29.53	McIntosh and Chapin (2004)	Plateau age. Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1096	Quartz monzonite	Mount Princeton pluton	1413	-106.2722222	38.686667	Gunnison	Saint Elmo	40Ar/39Ar	K-feldspar	30.1	0.36	30.05	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1097	Quartz monzonite	Mount Princeton pluton	1413	-106.2722222	38.686667	Gunnison	Saint Elmo	40Ar/39Ar	Biotite	34.3	0.19	34.3	McIntosh and Chapin (2004)	Data in Appendix 6 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1098	Quartz monzonite	Mount Princeton pluton	1413	-106.2722222	38.686667	Gunnison	Saint Elmo	40Ar/39Ar	Hornblende	38.2	2	38.23	McIntosh and Chapin (2004)	Total gas age; considered to be inaccurate or imprecise.
1099	Tuff	Antero Formation	1414	-105.8577778	38.713056	Pikes Peak	Gribbles Park	40Ar/39Ar	Sanidine	33.7	0.05	33.73	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1100	Basalt	Basalt of Herring Park	1415	-105.8533333	38.705556	Pikes Peak	Gribbles Park	40Ar/39Ar	Matrix	8.5	0.09	8.5	McIntosh and Chapin (2004)	Plateau age.
1101	Tuff	Gribbles Park Tuff	1418	-105.3622222	38.149167	Canon City	Mount Tyndall	40Ar/39Ar	Sanidine	32.8	0.09	32.82	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1102	Rhyolite	Rhyolite of Silver Cliff	1419	-105.4416667	38.143889	Canon City	Westcliffe	40Ar/39Ar	Sanidine	35.4	0.23	35.41	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1103	Rhyolite	Rhyolite of Silver Cliff	1420	-105.435	38.146111	Canon City	Westcliffe	40Ar/39Ar	Sanidine	35.3	0.19	35.35	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age.
1104	Rhyolite	Rhyolite of Silver Cliff	1421	-105.4361111	38.147778	Canon City	Westcliffe	40Ar/39Ar	Sanidine	35.4	0.16	35.41	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1105	Latite	Pringle Latite	1423	-105.3519444	38.094722	Canon City	Rosita	40Ar/39Ar	Sanidine	32	0.56	31.99	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1106	Tuff	Gribbles Park Tuff	1424	-105.3236111	38.051389	Canon City	Rosita	40Ar/39Ar	Sanidine	32.7	0.12	32.7	McIntosh and Chapin (2004)	Laser-fusion weighted-mean age. Data in Appendix 5 and Table 2 (used herein) of McIntosh and Chapin (2004) differ.
1107	Basaltic andesite	Andesite of Greenhorn Mountain	1860	-105.0147222	37.881389	Blanca Peak	San Isabel	40Ar/39Ar	Matrix	33.4	0.57	33.4	McIntosh and Chapin (2004)	Plateau age.
1108	Dacite	Dacite flow related to State Line cinder cone	DM-98-14	-105.2316667	37.038056	Alamosa	Culebra Peak	40Ar/39Ar	Matrix	12.1	0.06	12.08	Miggins (2002)	Isochron age.
1109	Rhyodacite	Picketwire rhyodacite	DM-98-2	-105.0242352	37.150041	Alamosa	Stonewall	40Ar/39Ar	Matrix	20.9	0.03	20.92	Miggins (2002)	Preferred age; isochron age is 20.93 ± 0.27.
1110	Basalt	Devil's Park cinder cone	DM-98-22-7	-105.2290088	37.02976	Alamosa	Culebra Peak	40Ar/39Ar	Matrix	12	0.04	11.95	Miggins (2002)	Preferred age; isochron age is 11.90 ± 0.21.
1111	Lamprophyre	Mafic sill next to dacitic intrusion at Picketwire	DM-98-29	-105.0174194	37.156549	Alamosa	Stonewall	40Ar/39Ar	Sanidine	22.3	0.13	22.32	Miggins (2002)	Preferred age; isochron age is 25.13 ± 1.52.
1112	Lamprophyre	Dike west of Monument Lake	DM-98-31-2	-105.0509055	37.213005	Alamosa	Stonewall	40Ar/39Ar	Sanidine	27.3	0.23	27.3	Miggins (2002)	Preferred age; isochron age is 26.03 ± 0.41.
1113	Lamprophyre	Dike south of Cuchara	DM-98-33-3	-105.1052548	37.366347	Alamosa	Cucharas Pass	40Ar/39Ar	Matrix	24.4	0.11	24.41	Miggins (2002)	Preferred age; isochron age is 23.59 ± 0.15.
1114	Lamprophyre	Sill located north of North Lake Sill Sequence	DM-98-35	-105.0366667	37.253056	Alamosa	Cucharas Pass	40Ar/39Ar	Biotite	22	0.56	21.92	Miggins (2002)	Isochron age.
1115	Lamprophyre	Sill located east of North Lake Sill Sequence	DM-98-36	-105.0281777	37.239724	Alamosa	Stonewall	40Ar/39Ar	Matrix	23.6	0.32	23.58	Miggins (2002)	Preferred age; isochron age is 22.81 ± 0.78.
1116	Lamprophyre	Sill from North Lake sill sequence	DM-98-3-6-2	-105.0327778	37.2375	Alamosa	Stonewall	40Ar/39Ar	Phlogopite	22.7	0.05	22.71	Miggins (2002)	Plateau age.
1117	Basalt	Sill located east of North Lake Sill Sequence	DM-98-37	-105.0361111	37.253889	Alamosa	Cucharas Pass	40Ar/39Ar	Matrix	23.5	0.63	23.46	Miggins (2002)	Isochron age.
1118	Mafic sill	Near La Veta	DM-98-38	-105.0658333	37.522222	Blanca Peak	La Veta	40Ar/39Ar	Matrix	22.9	0.04	22.91	Miggins (2002)	Preferred age; isochron is 22.55 ± 0.16.
1119	Mafic sill	Near La Veta	DM-98-39	-105.0905556	37.53	Blanca Peak	La Veta	40Ar/39Ar	Sanidine	22.3	0.34	22.32	Miggins (2002)	Plateau age.
1120	Lamprophyre	Sill east of Sulfur	DM-98-40-1	-105.0938889	37.463889	Alamosa	Cuchara	40Ar/39Ar	Sanidine	21.1	0.44	21.13	Miggins (2002)	Preferred age; isochron age is 19.16 ± 1.65.
1121	Lamprophyre	Sill at Cucharas Pass	DM-98-43	-105.0613889	37.328056	Alamosa	Cucharas Pass	40Ar/39Ar	Matrix	21.2	0.04	21.18	Miggins (2002)	Preferred age; isochron age is 21.18 ± 0.11.
1122	Lamprophyre	Sill north of North Lake sills	DM-98-44	-105.0444444	37.2575	Alamosa	Cucharas Pass	40Ar/39Ar	Matrix	23.3	0.06	23.26	Miggins (2002)	Preferred age; isochron age is 22.90 ± 0.16.
1123	Lamprophyre	Sill north of North Lake sills	DM-98-44B	-105.0444444	37.2575	Alamosa	Cucharas Pass	40Ar/39Ar	Sanidine	21	0.21	20.98	Miggins (2002)	Plateau age.
1124	Lamprophyre	Sill north of North Lake sills	DM-98-44B	-105.0444444	37.2575	Alamosa	Cucharas Pass	40Ar/39Ar	Phlogopite	20.8	0.07	20.83	Miggins (2002)	Plateau age.
1125	Lamprophyre	Pugatoire River	DM-98-45	-105.0470785	37.095486	Alamosa	Torres	40Ar/39Ar	Matrix	21.9	0.03	21.92	Miggins (2002)	Preferred age; isochron age is 21.95 ± 0.12.
1126	Lamprophyre	Sill at North Lake	DM-98-47	-105.0422222	37.253611	Alamosa	Cucharas Pass	40Ar/39Ar	Sanidine	21.9	0.97	21.92	Miggins (2002)	Preferred age; isochron age is 21.98 ± 0.16.
1127	Dacite	South White Peak Dacite	DM-99-32	-105.0819444	37.346944	Alamosa	Cucharas Pass	FT	Apatite	16.8	2.3	16.8	Miggins (2002)	
1128	Lamprophyre	Sill north of North Lake sills	DM-99-59	-105.0477778	37.266111	Alamosa	Cucharas Pass	40Ar/39Ar	Phlogopite	21.2	0.34	21.18	Miggins (2002)	Preferred age; isochron age is 22.24 ± 0.23.
1129	Hornblende porphyry	Dike east of Mount Maestas	DM-99-60	-105.1060409	37.573652	Blanca Peak	La Veta	40Ar/39Ar	Hornblende	33	5.2	32.95	Miggins (2002)	Isochron age.
1130	Hornblende porphyry	Sill east of Mount Maestas	DM-99-61	-105.1179908	37.572978	Blanca Peak	La Veta	40Ar/39Ar	Hornblende	33.6	0.12	33.56	Miggins (2002)	Plateau age.
1131	Lamprophyre	Tercio Valley sill	DM-99-65B	-105.0211111	37.078056	Alamosa	Torres	40Ar/39Ar	Sanidine	8.56	0.02	8.56	Miggins (2002)	Plateau age. Sanidine may be secondary.
1132	Lamprophyre	Tercio Valley sill	DM--99-66	-105.0166667	37.065833	Alamosa	Torres	FT	Apatite	22.3	2.7	22.3	Miggins (2002)	
1133	Lamprophyre	Tercio Valley sill	DM-99-67	-105.0080556	37.056944	Alamosa	Torres	FT	Apatite	20.9	3.3	20.9	Miggins (2002)	
1134	Lamprophyre	Tercio Valley sill	DM-99-68	-105.0075894	37.055833	Alamosa	Torres	FT	Apatite	23.7	2.7	23.7	Miggins (2002)	
1135	Lamprophyre	Tercio Valley sill	DM-99-68	-105.0075894	37.055833	Alamosa	Torres	40Ar/39Ar	Matrix	22.6	0.1	22.65	Miggins (2002)	Preferred age; isochron age is 22.47 ± 0.33.
1136	Lamprophyre	Sill just south of San Francisco Pass	DM-99-71	-105.1066362	37.009272	Alamosa	Torres	40Ar/39Ar	Matrix	25.8	0.55	25.85	Miggins (2002)	Preferred age; isochron age is 26.29 ± 0.54.
1137	Lamprophyre	South Valley	DM-99-73	-105.0303949	37.123413	Alamosa	Torres	40Ar/39Ar	Phlogopite	22.6	0.45	22.61	Miggins (2002)	Preferred age; isochron age is 21.86 ± 0.79.
1138	Lamprophyre	Spanish Peaks radial dike swarm	DM-99-79	-105.0296794	37.472461	Alamosa	Cuchara	40Ar/39Ar	Hornblende	22.2	0.21	22.19	Miggins (2002)	Plateau age.
1139	Rhyolite	Mount Maestas stock	P646-DM	-105.1696912	37.586319	Blanca Peak	La Veta Pass	40Ar/39Ar	Sanidine	25.2	0.06	25.17	Miggins (2002)	Total fusion age.
1140	Basalt	Flatiron basalt in Santa Fe Group	B-S-2-DM	-105.2672156	37.004809	Alamosa	La Valley	40Ar/39Ar	Matrix	15.2	0.03	15.16	Miggins and others (2002)	Plateau age.
1141	Basalt	Flatiron basalt in Santa Fe Group	B-S-4-DM	-105.2680556	37.010556	Alamosa	La Valley	40Ar/39Ar	Matrix	15	0.09	14.97	Miggins and others (2002)	Plateau age.
1142	Basalt	Basalt flow related to Devil's Park cinder cone	DM-98-16	-105.2438889	37.036667	Alamosa	Culebra Peak	40Ar/39Ar	Matrix	11.8	0.06	11.8	Miggins and others (2002)	Isochron age.
1143	Basalt	Devil's Park cinder cone	DM-98-22-2	-105.2290095	37.029998	Alamosa	Culebra Peak	40Ar/39Ar	Matrix	11.9	0.03	11.87	Miggins and others (2002)	Plateau age.
1144	Basalt flow	Sanchez Reservoir area	DM-99-51	-105.3483333	37.071389	Alamosa	La Valley	40Ar/39Ar	Matrix	4.37	0.17	4.37	Miggins and others (2002)	Plateau age.
1145	Basalt flow	Sanchez Reservoir area	DM-99-52A	-105.3402778	37.064722	Alamosa	La Valley	40Ar/39Ar	Matrix	10.7	0.1	10.74	Miggins and others (2002)	Plateau age.
1146	Basalt flow	Sanchez Reservoir area	DM-99-52B	-105.3402778	37.064722	Alamosa	La Valley	40Ar/39Ar	Matrix	12	0.1	11.98	Miggins and others (2002)	Plateau age.
1147	Basalt flow	Servilleta Basalt	DM-99-53	-105.4280556	37.211111	Alamosa	San Luis	40Ar/39Ar	Matrix	4.59	0.02	4.59	Miggins and others (2002)	Plateau age.
1148	Basalt flow	Servilleta Basalt	DM-99-53A	-105.4379916	37.262384	Alamosa	Fort Garland SW	40Ar/39Ar	Matrix	4.75	0.1	4.75	Miggins and others (2002)	Isochron age.
1149	Basalt flow	Servilleta Basalt	DM-99-54	-105.3763889	37.320278	Alamosa	Fort Garland SW	40Ar/39Ar	Matrix	4.55	0.15	4.55	Miggins and others (2002)	Plateau age.
1150	Basalt	Basalt flow in Santa Fe Group	P80-23B-DM	-105.2716838	37.024839	Alamosa	La Valley	40Ar/39Ar	Matrix	15.1	0.03	15.11	Miggins and others (2002)	Plateau. Sample number is apparently misreported as P83-23B-DM in Table 1 of Miggins and others (2002)
1151	Vein material	Sweet Home mine	92SH01	-106.1152778	39.3125	Leadville	Alma	K/Ar	Sericite	30.6	0.8	30.6	Misantoni and others (1998)	Location approximate; estimated from description.
1152	Vein material	Sweet Home mine	92SH02	-106.1152778	39.3125	Leadville	Alma	K/Ar	Sericite	27.6	0.7	27.6	Misantoni and others (1998)	Location approximate; estimated from description.
1153	Vein material	Sweet Home mine	92SH03	-106.1152778	39.3125	Leadville	Alma	K/Ar	Sericite	30.6	0.8	30.6	Misantoni and others (1998)	

1154	Granodiorite	Pando Porphyry	4233	-106.2277778	39.225	Leadville	Mount Sherman	Rb-Sr	Whole-rock	98	11	100 ± 11	Moorbath and others (1967)	
1155	Granite	Twin Lakes stock	4534	-106.4157622	39.070333	Leadville	Mount Elbert(?)	Rb-Sr	Biotite	55	10	56 ± 10	Moorbath and others (1967)	Locations and recalculated ages by Fridrich and others (1991) using initial ration of 0.706.
1156	Climax - orebody	Climax	4550	-106.1634996	39.372812	Leadville	Climax	Rb-Sr	Sericite	71	8	73 ± 8	Moorbath and others (1967)	Age too old based on more recent geochronology.
1157	Feldspathic gneiss	Grottos pluton	4579	-106.7487899	39.12972	Leadville	Aspen	Rb-Sr	Whole-rock	1400	Not report	1520	Moorbath and others (1967)	Locations and recalculated ages by Fridrich and others (1991) using initial ration of 0.706.
1158	Feldspathic gneiss	Denny Creek pluton	4582	-106.567304	39.100893	Leadville	Independence Pass	Rb-Sr	Whole-rock	1625	Not report	1670	Moorbath and others (1967).	Locations and recalculated ages by Fridrich and others (1991). Model ages.
1159	Feldspathic gneiss	Metasedimentary gneiss	4580a	-106.67536	39.125556	Leadville	New York Peak	Rb-Sr	Whole-rock	1371	35	1395 ± 35	Moorbath and others (1967)	Locations and recalculated ages by Fridrich and others (1991). Model ages.
1160	Feldspathic gneiss	Metasedimentary gneiss	4580b	-106.67536	39.125556	Leadville	New York Peak	Rb-Sr	Whole-rock	1650	Not report	1700	Moorbath and others (1967).	Locations and recalculated ages by Fridrich and others (1991). Model ages.
1161	Feldspathic gneiss	Metasedimentary gneiss	4581a	-106.6499641	39.126486	Leadville	Thimble Rock	Rb-Sr	Whole-rock	1700	Not report	1750	Moorbath and others (1967)	Locations and recalculated ages by Fridrich and others (1991). Model ages.
1162	Feldspathic gneiss	Metasedimentary gneiss	4581b	-106.6499641	39.126486	Leadville	Thimble Rock	Rb-Sr	Whole-rock	1890	Not report	1970	Moorbath and others (1967)	Locations and recalculated ages by Fridrich and others (1991). Model ages.
1163	Gneiss	Drill core	9	-105.7739	37.6652	Blanca Peak	Hooper West	K/Ar	Biotite	1276	65	1260	Muehlberger and others (1966)	Drill core sample. Location and recalculated age in Shaw and others (2005).
1164	Pyroxene-hornblende trachydacite	Signal Butte	SB-8	-105.2242	39.0722	Bailey	Signal Butte	FT	Zircon	42.2	2.1		Naeser (unpub); sample collected by R.B. Colton	Plug rises 150 m above well developed erosion surface.
1165	Quartz monzonite	Tincup porphyry sill	DF-1150	-106.5094444	38.6775	Gunnison	Fairview Peak	FT	Zircon	33.6	2.8	33.6 ± 2.8	Naeser and Cunningham (1976)	
1166	Rhyolite porphyry	Tomichi Creek stock	DF-1157	-106.4054425	38.470127	Saguache	Sargents	FT	Zircon	34.4	3.3	34.4 ± 3.3	Naeser and Cunningham (1976)	
1167	Rhyodacite	Tomichi Creek stock	DF-1159	-106.4052548	38.471187	Saguache	Sargents	FT	Zircon	29.6	2.7	28.7	Naeser and Cunningham (1976)	Age recalculated by Cunningham and others (1994).
1168	Kimberlite*	Schaffer no. 3 diatreme	Schaffer no. 3 pipe	-105.5097	40.9947	Fort Collins	Diamond Peak	FT	Zircon	377	9		Haggerty and others (1983)	Six zircon grains from xenoliths.
1169	Granite	Henderson mine, East Knob porphyry	1, Table 4	-105.8333	39.7667	Denver West	Berthoud Pass	FT	Zircon	28.5	2.2		Naeser and others (1973); Geissman and others (1992)	
1170	Granite	Henderson mine, East Knob porphyry	2, Table 4	-105.8333	39.7667	Denver West	Berthoud Pass	FT	Zircon	27.2	2.6		Naeser and others (1973); Geissman and others (1992)	This and the following 42 samples are from Henderson mine about 1 km below the valley bottom and in the Red Mountain area above it. Except for 6 samples, locations are generalized.
1171	Rhyolite	Red Mountain-Henderson	70-169	-105.8333	39.7583	Denver West	Berthoud Pass	FT	Zircon	27.6	2.9		Naeser and others (1973); Marvin and others (1974)	
1172	Rhyolite	Red Mountain-Henderson	72-123	-105.8278	39.7583	Denver West	Berthoud Pass	FT	Zircon	27.6	2.9		Naeser and others (1973); Marvin and others (1974)	
1173	Rhyolite	Red Mountain-Henderson	72-125	-105.8333	39.7583	Denver West	Berthoud Pass	FT	Zircon	27.6	2.1		Naeser and others (1973); Marvin and others (1974)	
1174	Rhyolite	Red Mountain-Henderson	72-126	-105.8333	39.7583	Denver West	Berthoud Pass	FT	Zircon	26.9	2.7		Naeser and others (1973); Marvin and others (1974)	
1175	Rhyolite	Red Mountain-Henderson	72-143	-105.8333	39.7583	Denver West	Berthoud Pass	FT	Zircon	25.1	2.7		Naeser and others (1973); Marvin and others (1974)	
1176	Rhyolite	Red Mountain-Henderson	72-144	-105.8333	39.7583	Denver West	Berthoud Pass	FT	Zircon	22.8	2.3		Naeser and others (1973); Marvin and others (1974)	
1177	Troublesome Formation	Volcanic ash bed	9	-106.3791667	40.088333	Steamboat Springs	Kremmling	FT	Zircon	11.5	0.9	11.5	Naeser and others (1990)	
1178	Troublesome Formation	Volcanic ash bed	9	-106.3791667	40.088333	Steamboat Springs	Kremmling	FT	Glass	8.6	0.7	8.6	Naeser and others (1990)	
1179	Troublesome Formation	Volcanic ash bed	10	-106.296108	40.031497	Steamboat Springs	Junction Butte	FT	Zircon	13.5	1.1	13.5	Naeser and others (1990)	
1180	Troublesome Formation	Volcanic ash bed	10	-106.2962356	40.031686	Steamboat Springs	Junction Butte	FT	Zircon	13.3	0.6	13.3	Naeser and others (1990)	
1181	Troublesome Formation	Volcanic ash bed	10	-106.296232	40.031495	Steamboat Springs	Junction Butte	FT	Glass	10.5	0.8	10.5	Naeser and others (1990)	
1182	Granite	Cross Creek pluton	87N1	-106.3822222	39.531111	Vail	Minturn	FT	Apatite	29.7	4.9	29.7	Naeser and others (1990)	Location from Wallace (1993, 1995).
1183	Granite	Cross Creek pluton	87N2	-106.3825	39.530556	Vail	Minturn	FT	Apatite	25.5	5.7	25.5	Naeser and others (1990)	Location from Wallace (1993, 1995).
1184	Granite	Cross Creek pluton	87N3	-106.3802778	39.530556	Vail	Minturn	FT	Apatite	43.5	14	43.5	Naeser and others (1990)	Location from Wallace (1993, 1995).
1185	Granite	Cross Creek pluton	87N4	-106.3805556	39.53	Vail	Minturn	FT	Apatite	39.6	11	39.6	Naeser and others (1990)	Location from Wallace (1993, 1995).
1186	Granite	Cross Creek pluton	87N4	-106.3805556	39.53	Vail	Minturn	FT	Zircon	500	96	500	Naeser and others (1990)	Location from Wallace (1993, 1995).
1187	Granite	Cross Creek pluton	87N6	-106.3911111	39.5325	Vail	Minturn	FT	Apatite	32.3	4.9	32.3	Naeser and others (1990)	Location from Wallace (1993, 1995).
1188	Ore	Ore from Gilman	Gil 1	-106.3838889	39.533889	Vail	Minturn	FT	Apatite	34.5	4.4	34.5	Naeser and others (1990)	Location from Wallace (1993, 1995).
1189	Granite	Cross Creek pluton	Gil 11	-106.3908333	39.517222	Vail	Minturn	FT	Apatite	41.5	11	41.5	Naeser and others (1990)	Location from Wallace (1993, 1995).
1190	Granite	Cross Creek pluton	Gil 11	-106.3908333	39.517222	Vail	Minturn	FT	Zircon	771	170	771	Naeser and others (1990)	Location from Wallace (1993, 1995).
1191	Granite	Cross Creek pluton	Gil 12	-106.3916667	39.522778	Vail	Minturn	FT	Apatite	39.8	18	39.8	Naeser and others (1990)	Location from Wallace (1993, 1995).
1192	Granite	Cross Creek pluton	Gil 12	-106.3916667	39.522778	Vail	Minturn	FT	Zircon	904	25	904	Naeser and others (1990)	Location from Wallace (1993, 1995).
1193	Granite	Cross Creek pluton	Gil 13	-106.3880556	39.527778	Vail	Minturn	FT	Apatite	58	21	58	Naeser and others (1990)	Location from Wallace (1993, 1995).
1194	Granite	Cross Creek pluton	Gil 14	-106.4	39.531111	Vail	Minturn	FT	Apatite	40.1	24	40.1	Naeser and others (1990)	Location from Wallace (1993, 1995).
1195	Granite	Cross Creek pluton	Gil 15	-106.4005235	39.537378	Vail	Minturn	FT	Apatite	35.3	15	35.3	Naeser and others (1990)	Location from Wallace (1993, 1995).
1196	Quartz latite	Pando Porphyry	Gil 16	-106.4	39.548611	Vail	Minturn	FT	Zircon	54.9	6.2	54.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1197	Quartz latite	Pando Porphyry	Gil 17	-106.3894444	39.528611	Vail	Minturn	FT	Zircon	52.5	5	52.5	Naeser and others (1990)	Location from Wallace (1993, 1995).
1198	Quartz latite	Pando Porphyry	Gil 18	-106.3891667	39.522778	Vail	Minturn	FT	Zircon	46.6	5.8	46.6	Naeser and others (1990)	Location from Wallace (1993, 1995).
1199	Granite	Cross Creek pluton	Gil 19	-106.3855547	39.514004	Vail	Minturn	FT	Apatite	44.2	10	44.2	Naeser and others (1990)	Location from Wallace (1993, 1995).
1200	Granite	Cross Creek pluton	Gil 19	-106.3855547	39.514004	Vail	Minturn	FT	Zircon	877	20	877	Naeser and others (1990)	Location from Wallace (1993, 1995).
1201	Quartz latite	Pando Porphyry	Gil 2	-106.3966667	39.536111	Vail	Minturn	FT	Apatite	28.7	22	8.7	Naeser and others (1990)	Location from Wallace (1993, 1995).
1202	Quartz latite	Pando Porphyry	Gil 2	-106.3966667	39.536111	Vail	Minturn	FT	Zircon	45.9	4.3	45.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1203	Granite	Cross Creek pluton	Gil 20	-106.3838889	39.509722	Vail	Minturn	FT	Apatite	50.8	24	50.8	Naeser and others (1990)	Location from Wallace (1993, 1995).
1204	Arkose	Minturn Formation	Gil 21	-106.38	39.531944	Vail	Minturn	FT	Apatite	38.9	15	38.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1205	Arkose	Minturn Formation	Gil 21	-106.38	39.531944	Vail	Minturn	FT	Zircon	542	95	542	Naeser and others (1990)	Location from Wallace (1993, 1995).
1206	Arkose	Minturn Formation	Gil 22	-106.3847222	39.531111	Vail	Minturn	FT	Zircon	550	71	550	Naeser and others (1990)	Location from Wallace (1993, 1995).
1207	Arkose	Minturn Formation	Gil 23	-106.3866667	39.531111	Vail	Minturn	FT	Apatite	32.9	4.5	32.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1208	Arkose	Minturn Formation	Gil 23	-106.3866667	39.531111	Vail	Minturn	FT	Zircon	562	84	562	Naeser and others (1990)	Location from Wallace (1993, 1995).
1209	Arkose	Minturn Formation	Gil 24	-106.3922222	39.531667	Vail	Minturn	FT	Zircon	213	32	213	Naeser and others (1990)	Zircons from this sample had two age populations. Location from Wallace (1993, 1995).
1210	Arkose	Minturn Formation	Gil 24	-106.3922222	39.531667	Vail	Minturn	FT	Zircon	994	150	994	Naeser and others (1990)	Zircons from this sample had two age populations. Location from Wallace (1993, 1995).
1211	Arkose	Minturn Formation	Gil 25	-106.3962032	39.555672	Vail	Minturn	FT	Zircon	231	31	231	Naeser and others (1990)	Location from Wallace (1993, 1995).
1212	Quartz latite	Pando Porphyry	Gil 3	-106.3977778	39.545833	Vail	Minturn	FT	Apatite	63	40	63	Naeser and others (1990)	Location from Wallace (1993, 1995).
1213	Quartz latite	Pando Porphyry	Gil 3	-106.3977778	39.545833	Vail	Minturn	FT	Zircon	45.2	5.1	45.2	Naeser and others (1990)	Location from Wallace (1993, 1995).
1214	Quartz latite	Pando Porphyry	Gil 4	-106.3827778	39.518056	Vail	Minturn	FT	Apatite	69	34	69	Naeser and others (1990)	Location from Wallace (1993, 1995).
1215	Quartz latite	Pando Porphyry	Gil 4	-106.3827778	39.518056	Vail	Minturn	FT	Zircon	53	7.9	53	Naeser and others (1990)	Location from Wallace (1993, 1995).
1216	Quartz latite	Pando Porphyry	Gil 40	-106.39	39.538889	Vail	Minturn	FT	Zircon	53.4	6	53.4	Naeser and others (1990)	Location from Wallace (1993, 1995).
1217	Quartz latite	Pando Porphyry	Gil 41	-106.38	39.546667	Vail	Minturn	FT	Zircon	48	5.6	48	Naeser and others (1990)	Location from Wallace (1993, 1995).
1218	Quartz latite	Pando Porphyry	Gil 42	-106.38	39.546667	Vail	Minturn	FT	Zircon	58.1	6.8	58.1	Naeser and others (1990)	Location from Wallace (1993, 1995).
1219	Quartz latite	Pando Porphyry	Gil 43	-106.3722222	39.541111	Vail	Red Cliff	FT	Zircon	44.5	5.2	44.5	Naeser and others (1990)	Location from Wallace (1993, 1995).
1220	Quartz latite	Pando Porphyry	Gil 44	-106.3722222	39.541111	Vail	Red Cliff	FT	Zircon	49.7	5.6	49.7	Naeser and others (1990)	Location from Wallace (1993, 1995).
1221	Quartz latite	Pando Porphyry	Gil 45	-106.3638889	39.534722	Vail	Red Cliff	FT	Zircon	48.2	7	48.2	Naeser and others (1990)	Location from Wallace (1993, 1995).
1222	Quartz latite	Pando Porphyry	Gil 46	-106.3652778	39.535833	Vail	Red Cliff	FT	Zircon	45.9	5.8	45.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1223	Quartz latite	Pando Porphyry	Gil 47	-106.375	39.529167	Vail	Red Cliff	FT	Zircon	55.2	6.6	55.2	Naeser and others (1990)	Location from Wallace (1993, 1995).
1224	Quartz latite	Pando Porphyry	Gil 48	-106.3758333	39.542222	Vail	Minturn	FT	Zircon	42.9	4.8	42.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1225	Quartz latite	Pando Porphyry	Gil 49	-106.3758333	39.542222	Vail	Minturn	FT	Zircon	56.4	8.4	56.4	Naeser and others (1990)	Location from Wallace (1993, 1995).
1226	Granite	Cross Creek pluton	Gil 5	-106.3797222	39.533889	Vail	Minturn	FT	Apatite	38.2	10	38.2	Naeser and others (1990)	Location from Wallace (1993, 1995).
1227	Granite	Cross Creek pluton	Gil 5	-106.3797222	39.533889	Vail	Minturn	FT	Zircon	486	64	486	Naeser and others (1990)	Location from Wallace (1993, 1995).
1228	Quartz latite	Pando Porphyry	Gil 50	-106.3788889	39.532778	Vail	Minturn	FT	Zircon	40.4	4.6	40.4	Naeser and others (1990)	Location from Wallace (1993, 1995).
1229	Granite	Cross Creek pluton	Gil 6	-106.3816667	39.531667	Vail	Minturn	FT	Apatite	48.3	11	48.3	Naeser and others (1990)	Location from Wallace (1993, 1995).
1230	Granite	Cross Creek pluton	Gil 6	-106.3816667	39.531667	Vail	Minturn	FT	Zircon	766	180	766	Naeser and others (1990)	Location from Wallace (1993, 1995).
1231	Granite	Cross Creek pluton	Gil 7	-106.3811111	39.532778	Vail	Minturn	FT	Apatite	29.9	18	29.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1232	Granite	Cross Creek pluton	Gil 7	-106.3811111	39.532778	Vail	Minturn	FT	Zircon	671	170	671	Naeser and others (1990)	Location from Wallace (1993, 1995).
1233	Quartz latite	Pando Porphyry	Gil 8	-106.3605556	39.5175	Vail	Red Cliff	FT	Apatite	41.1	32	41.1	Naeser and others (1990)	Location from Wallace (1993, 1995).
1234	Quartz latite	Pando Porphyry	Gil 8	-106.3605556	39.5175	Vail	Red Cliff	FT	Zircon	60.1	7.8	60.1	Naeser and others (1990)	Location from Wallace (1993, 1995).
1235	Quartz latite	Pando Porphyry	Gil 9	-106.3786111	39.511111	Vail	Minturn	FT	Zircon	58.9	7	58.9	Naeser and others (1990)	Location from Wallace (1993, 1995).
1236	Diorite	Plug at Red Cliff	Gil 10	-106.38011	39.507616	Vail	Minturn	FT	Apatite	46.7	19	46.7	Naeser and others (1990)	Age recalculated by Wallace (1993, 1995).
1237	Diorite	Plug at Red Cliff	Gil 10	-106.38011	39.507616	Vail	Minturn	FT	Zircon	758	14	758	Naeser and others (1990)	Age recalculated by Wallace (1993, 1995).
1238	Arkosic sandstone	Minturn Formation	87GR11	-106.2108333	39.549722	Vail	Vail East	FT	Apatite	26.5	4.3	26.5	Naeser and others (2002)	
1239	Arkosic sandstone	Minturn Formation	87GR-4	-106.2697222	39.628889	Vail	Vail East	FT	Apatite	17.7	6.2	17.7	Naeser and others (2002)	Central age (Galbraith and Laslett, 1993).
1240	Granite	Cross Creek pluton	GR-7	-106.2825	39.651111	Vail	Vail East	FT	Apatite	24	6	24	Naeser and others (2002)	Track length measured. Central age (Galbraith and Laslett, 1993).
1241	Pyroxene-plagioclase hornblende granofels	Pluton of Officers Gulch	GR-F-1	-106.1130556	39.575	Vail	Frisco	FT	Apatite	7.5	1.6	7.5	Naeser and others (2002)	Track lengths measured.
1242	Gneiss	Gore Range	GR-MP-1	-106.3274603	39.828132	Vail	Mount Powell	FT	Apatite	4.8	2.6	4.8	Naeser and others (2002)	
1243	Biotite quartz diorite	Gore Range	GR-MP-2	-106.3458333	39.8125	Vail	Mount Powell	FT	Apatite	20.4	6.6	20.4	Naeser and others (2002)	Track length measured.
1244	Granite	Cross Creek pluton	GR-PP-1	-106.4213889	39.828889	Vail	Piney Peak	FT	Apatite	31.2	8.7	31.2	Naeser and others (2002)	Track length measured. Central age (Galbraith and Laslett, 1993).
1245	Migmatitic biotite granite	Gore Range	GR-PP-2	-106.4038889	39.8025	Vail	Piney Peak	FT	Apatite	37	4.3	37	Naeser and others (2002)	
1246	Pyroxene-hornblende-quartz-plagioclase granofels	Copper Mountain area	GR-VP-1	-106.1391667	39.531111	Vail	Vail Pass	FT	Apatite	6.4	2	6.4	Naeser and others (2002)	Track lengths measured.
1247	Gneiss	Gore Range	GR-VP-10	-106.1425	39.616111	Vail	Vail Pass	FT	Apatite	19.4	5.1	19.4	Naeser and others (2002)	Track lengths measured.
1248	Gneiss	Gore Range	GR-VP-11	-106.1419444	39.618056	Vail	Vail Pass	FT	Apatite	19.2	6.7	19.2	Naeser and others (2002)	Track lengths measured.
1249	Gneiss	Gore Range	GR-VP-12	-106.135	39.621389	Vail	Vail Pass	FT	Apatite	11	2.8	11	Naeser and others (2002)	Track lengths measured.
1250	Granite	Gore Range	GR-VP-13	-106.1955556	39.556667	Vail	Vail Pass	FT	Apatite	30.8	5	30.8	Naeser and others (2002)	Track lengths measured.
1251	Tonalite	Gore Range	GR-VP-14	-106.1969444	39.551667	Vail	Vail Pass	FT	Apatite	32.6	4.6	32.6	Naeser and others (2002)	Track lengths measured.
1252	Tonalite	Gore Range	GR-VP-8A	-106.1988889	39.54	Vail	Vail Pass	FT	Apatite	25.5	4.9	25.5	Naeser and others (2002)	
1253	Granofels	Copper Mountain	GR-VP-9	-106.1630556	39.502222	Vail	Vail Pass	FT	Apatite	25.4	5.5	25.4	Naeser and others (2002)	
1254	Mafic inclusion	Gore Range	GR-WL-1	-106.2180556	39.691667	Vail	Willow Lakes	FT	Apatite	15.9	2.2	15.9	Naeser and others (2002)	Track lengths measured.
1255	Monzogranite	Cross Creek pluton	GR-WL-10	-106.2194444	39.625278	Vail	Willow Lakes	FT	Apatite	21	2.5	21	Naeser and others (2002)	Track length measured.
1256	Tonalite	Cross Creek pluton	GR-WL-11	-106.2441667	39.628889	Vail	Willow Lakes	FT	Apatite	23.2	4.1	23.2	Naeser and others (2002)	Track length measured. Central age (Galbraith and Laslett, 1993).
1257	Tonalite	Cross Creek pluton	GR-WL-12	-106.2425	39.651389	Vail	Willow Lakes	FT	Apatite	28.9	3.1	28.9	Naeser and others (2002)	Track lengths measured.
1258	Tonalite	Cross Creek pluton	GR-WL-13	-106.2452778	39.643056	Vail	Willow Lakes	FT	Apatite	32.3	5.1	32.3	Naeser and others (2002)	Track length measured.
1259	Migmatite	Gore Range	GR-WL-2	-106.215	39.695278	Vail	Willow Lakes	FT	Apatite	13.5	2.2	13.5	Naeser and others (2002)	Track lengths measured.
1260	Granite	Cross Creek pluton	GR-WL-3	-106.2113889	39.694167	Vail	Willow Lakes	FT	Apatite	16.8	3.4	16.8	Naeser and others (2002)	Track lengths measured.
1261	Biotitic migmatite	Gore Range	GR-WL-4	-106.2075	39.693611	Vail	Willow Lakes	FT	Apatite	11.9	1.5	11.9	Naeser and others (2002)	Track lengths measured.
1262	Granitic gneiss	Gore Range	GR-WL-5	-106.1344444	39.631389	Vail	Willow Lakes	FT	Apatite	8.8	2.6	8.8	Naeser and others (2002)	Track lengths measured.
1263	Migmatite	Gore Range	GR-WL-6	-106.1491667	39.631944	Vail	Willow Lakes	FT	Apatite	10.9	2.4	10.9	Naeser and others (2002)	Track lengths measured.
1264	Granite	Cross Creek pluton	GR-WL-7	-106.1430556	39.630278	Vail	Willow Lakes	FT	Apatite	6.7	1.5	6.7	Naeser and others (2002)	Track lengths measured.
1265	Migmatitic granite	Gore Range	GR-WL-8	-106.2019444	39.691667	Vail	Willow Lakes	FT	Apatite	11.6	3	11.6	Naeser and others (2002)	Track lengths measured. Central age (Galbraith and Laslett, 1993).
1266	Migmatitic biotite granite	Gore Range	GR-WL-9	-106.1977778	39.690833	Vail	Willow Lakes	FT	Apatite	9.9	3.2	9.9	Naeser and others (2002)	Track lengths measured. Central age (Galbraith and Laslett, 1993).
1267	Silicic tuff	Blue River Valley	K98-9-21A	-106.2044444	39.790278	Vail	Squaw Creek	40Ar/39Ar	Sanidine	26.9	0.07	26.88	Naeser and others (2002)	Laser fusion technique.
1268	Silicic welded tuff	Blue River Valley	K98-9-21B	-106.2044444	39.79	Vail	Squaw Creek	40Ar/39Ar	Sanidine	26.9	0.07	26.9	Naeser and others (2002)	Laser fusion technique.
1269	Trachyandesite	Volcanic rocks of the Green Mountain area	K98-9-21C	-106.2808333	39.826667	Vail	Mount Powell	40Ar/39Ar	Sanidine	23.6	0.06	23.61	Naeser and others (2002)	Laser fusion technique.
1270	Trachyandesite	Volcanic rocks of the Green Mountain area	K98-9-21D	-106.2811111	39.826111	Vail	Mount Powell	40Ar/39Ar	Sanidine	23.6	0.06	23.62	Naeser and others (2002)	Laser fusion technique.
1271	Trachyandesite	Volcanic rocks of the Green Mountain area	K98-9-21E	-106.2827778	39.826111	Vail	Mount Powell	40Ar/39Ar	Sanidine	23.7	0.06	23.66	Naeser and others (2002)	Laser fusion technique.
1272	Trachyte	Green Mountain sills	K98-9-21F	-106.3275	39.878611	Vail	King Creek	40Ar/39Ar	Sanidine	31.5	0.08	31.51	Naeser and others (2002)	Laser fusion technique. Apparent typographical error, Naeser and others (2002) cite sample number K98-9-8F in text (p.45) butr data and location tables indicate the sample is K98-9-21F.
1273	Granite	Cross Creek pluton	MP-97-284	-106.3402778	39.76	Vail	Mount Powell	FT	Apatite	24.4	2.5	24.4	Naeser and others (2002)	Track lengths measured.
1274	Biotite-muscovite gneiss	Cross Creek pluton	MP-97-285	-106.3405556	39.756667	Vail	Mount Powell	FT	Apatite	236	104	236	Naeser and others (2002)	Track lengths measured. Central age (Galbraith and Laslett, 1993).
1275	Biotite granite gneiss	Cross Creek pluton	MP-97-286	-106.3408333	39.755556	Vail	Mount Powell	FT	Apatite	24.7	4.5	24.7	Naeser and others (2002)	Track lengths measured.
1276	Monzogranite	Cross Creek pluton	MP-97-287	-106.3358333	39.754167	Vail	Mount Powell	FT	Apatite	22.4	2.2	22.4	Naeser and others (2002)	Track lengths measured.
1277	Metagabbro	Gore Range	MP-97-288	-106.3183333	39.757222	Vail	Mount Powell	FT	Apatite	21.4	2.6	21.4	Naeser and others (2002)	Track lengths measured.
1278	Granite	Cross Creek pluton	MP-97-289	-106.2891667	39.768889	Vail	Mount Powell	FT	Apatite	14.1	1.9	14.1	Naeser and others (2002)	Track lengths measured.
1279	Biotite-muscovite granite	Cross Creek pluton	MP-97-290	-106.2769444	39.784167	Vail	Mount Powell	FT	Apatite	12.8	3.5	12.8	Naeser and others (2002)	Track lengths measured.
1280	Granite	Windy Point pluton of the Pikes Peak batholith	PPG-14	-105.0441667	38.840833	Pikes Peak	Pikes Peak	FT	Zircon	1045	130	1045	Naeser and others (2002)	
1281	Granite	Windy Point pluton of the Pikes Peak batholith	PPG-14	-105.0441667	38.840833	Pikes Peak	Pikes Peak	FT	Apatite	458	58	458	Naeser and others (2002)	Track lengths measured.
1282	Granite	Cross Creek pluton	SJ86-100	-106.3397222	39.671389	Vail	Vail East	FT	Apatite	22.9	3.8	22.9	Naeser and others (2002)	Track length measured.
1283	Arkosic sandstone	Minturn Formation	SJ86-101	-106.3400881	39.670261	Vail	Vail East	FT	Apatite	30.2	3.7	30.2	Naeser and others (2002)	
1284	Granite	Cross Creek pluton	SJ86-105	-106.3415809	39.682115	Vail	Vail East	FT	Apatite	22.7	11	22.7	Naeser and others (2002)	Central age (Galbraith and Laslett, 1993).
1285	Arkosic sandstone	Minturn Formation	SJ86-109	-106.2238889	39.533889	Vail	Vail Pass	FT	Apatite	24.2	4.3	24.2	Naeser and others (2002)	
1286	Granodiorite	Ute Peak area	UP-1	-106.1169444	39.832222	Vail	Ute Peak	FT	Apatite	27.5	5.7	27.5	Naeser and others (2002)	Track lengths measured.
1287	Granodiorite	Ute Peak area	UP-1	-106.1169444	39.832222	Vail	Ute Peak	FT	Zircon	1310	410	1310	Naeser and others (2002)	
1288	Granodiorite gneiss	Ute Peak area	UP-2	-106.1138181	39.830297	Vail	Ute Peak	FT	Apatite	21	4.5	21	Naeser and others (2002)	Track lengths measured.
1289	Schist	Ute Peak area	UP-3	-106.0557728	39.822771	Vail	Ute Peak	FT	Apatite	35.9	4.7	35.9	Naeser and others (2002)	Track lengths measured.
1290	Andesitic cobble	South Table Mountain andesite	70-0-10	-105.1625	39.7528	Denver West	Golden	K/Ar	Biotite	65.8	1.4		Obradovich and Cobban (1975); Obradovich (2002)	50 m below trachybasalts on South Table Mountain and 21 m above K-T boundary.
1291	Granite	Granite of Treasure Mountain	348	-107.1188889	39.054444	Carbondale	Snowmass Mountain	K/Ar	Biotite	12.8	0.6	12.5	Obradovich and others (1969)	Age recalculated by Wallace (1993, 1995).
1292	Granodiorite	Snowmass pluton	386	-107.0405556	39.1175	Carbondale	Snowmass Mountain	K/Ar	Biotite	35	1.4	34.1	Obradovich and others (1969)	
1293	Granodiorite	Snowmass Creek sill	389	-107.0188889	39.185278	Carbondale	Capitol Peak	K/Ar	Biotite	32	1.1	31.2	Obradovich and others (1969)	Age recalculated by Wallace (1993, 1995).
1294	Granodiorite	Paradise stock	390	-107.0577778	38.991667	Paonia	Oh-Be-Joyful	K/Ar	Biotite	29.8	1.1	29	Obradovich and others (1969)	
1295	Soda granite porphyry	Crystal pluton	391	-107.1213889	39.051667	Montrose	Snowmass Mountain	K/Ar	Biotite	12.6	0.6	12.3	Obradovich and others (1969)	
1296	Granodiorite porphyry	Crested Butte laccolith	472	-106.9433333	38.888889	Gunnison	Gothic	K/Ar	Biotite	29.9	1	29.1± 1.0	Obradovich and others (1969)	
1297	Aplite	Pando Porphyry	1045	-106.8005556	39.105556	Leadville	Hayden Peak	K/Ar	Biotite	71.8	2	70.0 ± 2.3	Obradovich and others (1969)	
1298	Aplite	Pando Porphyry	1045	-106.8005556	39.105556	Leadville	Hayden Peak	K/Ar	Biotite	69.1	2	67.4 ± 2.2	Obradovich and others (1969)	
1299	Quartz-muscovite porphyry	Little Annie sill (?)	HNMP	-106.825	39.118611	Leadville	Aspen	K/Ar	Muscovite	74	2.2	72.2	Obradovich and others (1969)	
1300	Granodiorite porphyry	Lincoln Creek stock	NY-5	-106.6413889	39.088889	Leadville	New York Peak	K/Ar	Biotite	34.8	1.1	33.9 ± 1.1	Obradovich and others (1969)	Age recalculated by Wallace (1993, 1995).
1301	Quartz monzonite porphyry	Twin Lakes stock	TL	-106.4728516	39.06877	Leadville	Mount Elbert	K/Ar	Biotite	42.7	1.2	41.7	Obradovich and others (1969)	Age recalculated by Wallace (1993, 1995).
1302	Quartz monzonite porphyry	Twin Lakes stock	TL	-106.4727293	39.068771	Leadville	Mount Elbert	Rb-Sr	Biotite	48.7	4.5	49.7	Obradovich and others (1969)	
1303	Granodiorite	Whiterock pluton	WR-2	-106.8377778	39.009722	Leadville	Hayden Peak	K/Ar	Biotite	34.8	1	33.9	Obradovich and others (1969)	Age recalculated by Wallace (1993, 1995).
1304	Biotite syenite	Alkalic stocks in northwest part of Powderhorn district	2G3200	-107.1275	38.359167	Montrose	Gateview	K/Ar	Biotite	1397	40	1390	Olson and others (1977)	
1305	Quartz syenite	Gem Park Complex	52-B-53	-105.35	38.25	Canon City	Curley Peak	K/Ar	Biotite	513	25	504	Olson and others (1977)	
1306	Quartz syenite	Gem Park Complex	63-B-20	-105.3666667	38.258333	Canon City	Curley Peak	K/Ar	Biotite	528	13	519	Olson and others (1977)	
1307	Quartz syenite	Gem Park Complex	63-B-20	-105.3666667	38.258333	Canon City	Curley Peak	K/Ar	Hornblende	543	16	534	Olson and others (1977)	
1308	Syenite	Gem Park Complex	63-B-23	-105.3675	38.240556	Canon City	Mount Tyndall	K/Ar	Whole-rock	494	24	485	Olson and others (1977)	
1309	Syenite	Gem Park Complex	63-B-24	-105.3366667	38.279444	Canon City	Curley Peak	K/Ar	Whole-rock	569	28	560	Olson and others (1977)	
1310	Syenite	Gem Park Complex	63-B-24b	-105.3333333	38.266667	Canon City	Curley Peak	K/Ar	Whole-rock	435	22	427	Olson and others (1977)	
1311	Mafic syenite	Alkalic stocks in northwest part of Powderhorn district	C9803	-107.1405556	38.395833	Montrose	Carpenter Ridge	K/Ar	Biotite	1388	40	1380	Olson and others (1977)	
1312	Biotite-calcite syenite	Alkalic stocks in northwest part of Powderhorn district	G3730N	-107.1388889	38.345278	Montrose	Gateview	K/Ar	Biotite	1338	36	1330	Olson and others (1977)	
1313	Melasyenite	Alkalic complex at Powderhorn district	IH-11	-107.0333333	38.230556	Montrose	Rudolph Hill	K/Ar	Phlogopite	577	9	568	Olson and others (1977)	
1314	Melasyenite	Powderhorn district	IH-11	-107.0333333	38.230556	Montrose	Rudolph Hill	Rb-Sr	Phlogopite	567	10	579 ± 10	Olson and others (1977)	Isochron based on 5 mineral-whole-rock samples. (Sample 3 of 5).
1315	Pegmatite	Alkalic complex at Iron Hill	IH-1-2	-107.0227778	38.254444	Montrose	Powderhorn	K/Ar	Biotite	577	9	568	Olson and others (1977)	
1316	Pegmatite	Powderhorn district	IH-1-2	-107.0227778	38.254444	Montrose	Powderhorn	Rb-Sr	Biotite	567	10	579 ± 10	Olson and others (1977)	Isochron based on 5 mineral-whole-rock samples. (Sample 2 of 5).
1317	Carbonatite	Alkalic complex at Iron Hill	IH-18	-107.0666667	38.242222	Montrose	Rudolph Hill	K/Ar	Biotite	582	14	573	Olson and others (1977)	
1318	Diabase	Alkalic complex at Iron Hill	IH-21	-107.0561111	38.268611	Montrose	Powderhorn	K/Ar	Plagioclase	772	15	762	Olson and others (1977)	

1319	Carbonatite	Alkalic complex at Iron Hill	IH-2-2d	-107.0166667	38.25	Montrose	Powderhorn/Rudolph Hill	K/Ar	Vermiculite (?)	583	9	574	Olson and others (1977)	
1320	Carbonatite	Alkalic complex at Iron Hill	IH-23-2a	-107.0544444	38.241667	Montrose	Rudolph Hill	K/Ar	Vermiculite (?)	562	9	553	Olson and others (1977)	
1321	Pegmatite	Alkalic complex at Iron Hill	IH-3-3	-107.0238889	38.259444	Montrose	Powderhorn	K/Ar	Biotite	583	9	574	Olson and others (1977)	
1322	Nepheline syenite	Alkalic complex at Iron Hill	IH-4	-107.0166667	38.258333	Montrose	Powderhorn	K/Ar	Biotite	552	8	543	Olson and others (1977)	May be reset by cross-cutting late-phase diabase dike.
1323	Nepheline syenite	Powderhorn district	IH-4	-107.0166667	38.258333	Montrose	Powderhorn	Rb-Sr	Whole-rock	567	10	579 ± 10	Olson and others (1977)	Isochron based on 5 mineral-whole-rock samples. (Sample 4 of 5).
1324	Nepheline syenite	Powderhorn district	IH-4	-107.0166667	38.258333	Montrose	Powderhorn	Rb-Sr	Biotite	567	10	579 ± 10	Olson and others (1977)	Isochron based on 5 mineral-whole-rock samples. (Sample 5 of 5).
1325	Carbonatite	Alkalic complex at Iron Hill	J256	-107.0672222	38.243333	Montrose	Rudolph Hill	K/Ar	Muscovite	570	10	561	Olson and others (1977)	
1326	Pyroxenite	Alkalic complex at Iron Hill	J365N	-107.0286111	38.243056	Montrose	Rudolph Hill	K/Ar	Biotite	576	10	567	Olson and others (1977)	
1327	Pyroxenite	Powderhorn district	J365N	-107.0286111	38.243056	Montrose	Rudolph Hill	Rb-Sr	Biotite	567	10	579 ± 10	Olson and others (1977)	Isochron based on 5 mineral-whole-rock samples. (Sample 1 of 5).
1328	Augite-biotite-hornblende syenite	Alkalic stocks in northwest part of Powderhorn district	P7406	-107.0925	38.321667	Montrose	Powderhorn	K/Ar	Biotite	1397	40	1,390	Olson and others (1977)	
1329	Ijolite	Alkalic complex at Iron Hill	P8649	-107.0147222	38.254722	Montrose	Powderhorn	FT	Apatite	55	12	55 ± 12	Olson and others (1977)	Annealing date due to regional uplift.
1330	Ijolite	Alkalic complex at Iron Hill	P8649	-107.0147222	38.254722	Montrose	Powderhorn	FT	Sphene	550	54	550 ± 54	Olson and others (1977)	
1331	Ijolite	Alkalic complex at Iron Hill	P-9-901	-107.0116667	38.253611	Montrose	Powderhorn	K/Ar	Aegirine	741	23	731	Olson and others (1977)	Spurious date; probable excess radiogenic argon incorporated during crystallization.
1332	Biotite-hornblende syenite	McClure Mountain alkaline complex	WM-12-71	-105.4608333	38.366389	Canon City	Iron Mountain	Rb-Sr	Whole-rock	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 3 of 8).
1333	Biotite-hornblende syenite	McClure Mountain alkaline complex	WM-12-71	-105.4608333	38.366389	Canon City	Iron Mountain	Rb-Sr	Biotite	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 4 of 8).
1334	Syenite	Red syenite dikes in and near the McClure Mountain and Gem Park C	WM-14-71	-105.4786111	38.349167	Canon City	Iron Mountain	Rb-Sr	Whole-rock	484	10	495 ± 10	Olson and others (1977)	Isochron based on 4 samples. (Sample 2 of 4).
1335	Syenite	Red syenite dikes in and near the McClure Mountain and Gem Park C	WM-20-71	-105.5005556	38.234722	Canon City	Beckwith Mountain	Rb-Sr	Whole-rock	484	10	495 ± 10	Olson and others (1977)	Isochron based on 4 samples. (Sample 3 of 4).
1336	Biotite-hornblende syenite	McClure Mountain alkaline complex	WM-21-71	-105.4747222	38.368056	Canon City	Iron Mountain	Rb-Sr	Whole-rock	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 5 of 8).
1337	Biotite-hornblende syenite	McClure Mountain alkaline complex	WM-21-71	-105.4747222	38.368056	Canon City	Iron Mountain	Rb-Sr	Biotite	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 6 of 8).
1338	Syenite	Red syenite dikes in and near the McClure Mountain and Gem Park C	WM-2-71	-105.2725	38.2725	Canon City	Hillside	Rb-Sr	Whole-rock	484	10	495 ± 10	Olson and others (1977)	Isochron based on 4 samples. (Sample 1 of 4).
1339	Nepheline syenite	McClure Mountain alkaline complex	WM-4-71	-105.4872222	38.323889	Canon City	Iron Mountain	Rb-Sr	Whole-rock	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 7 of 8).
1340	Nepheline syenite	McClure Mountain alkaline complex	WM-4-71	-105.4872222	38.323889	Canon City	Iron Mountain	Rb-Sr	Biotite	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 8 of 8).
1341	Hornblende syenite	McClure Mountain alkaline complex	WM-62-114	-105.4838007	38.302025	Canon City	Iron Mountain	K/Ar	Hornblende	518	11	509	Olson and others (1977)	
1342	Mafic nepheline-bearing rock	McClure Mountain alkaline complex	WM-62-115	-105.483803	38.302383	Canon City	Iron Mountain	K/Ar	Biotite	516	17	507	Olson and others (1977)	
1343	Mafic nepheline-bearing rock	McClure Mountain alkaline complex	WM-62-115	-105.4833333	38.3	Canon City	Iron Mountain	K/Ar	Hornblende	541	15	532	Olson and others (1977)	
1344	Hornblende-biotite syenite	McClure Mountain alkaline complex	WM-62-140	-105.4333333	38.333333	Canon City	Iron Mountain	K/Ar	Biotite	519	13	510	Olson and others (1977)	
1345	Hornblende-biotite syenite	McClure Mountain alkaline complex	WM-62-140	-105.4333333	38.333333	Canon City	Iron Mountain	K/Ar	Hornblende	532	14	523	Olson and others (1977)	
1346	Hornblende-biotite syenite	McClure Mountain alkaline complex	WM-62-143	-105.4833333	38.366667	Canon City	Iron Mountain	FT	Apatite	293	62	293 ± 62	Olson and others (1977)	Annealing date due to regional uplift.
1347	Hornblende-biotite syenite	McClure Mountain alkaline complex	WM-62-143	-105.4833333	38.366667	Canon City	Iron Mountain	FT	Sphene	506	43	506 ± 43	Olson and others (1977)	
1348	Hornblende-biotite syenite	McClure Mountain alkaline complex	WM-62-143	-105.4833333	38.366667	Canon City	Iron Mountain	K/Ar	Biotite	515	13	506	Olson and others (1977)	
1349	Hornblende-biotite syenite	McClure Mountain alkaline complex	WM-62-143	-105.4833333	38.366667	Canon City	Iron Mountain	K/Ar	Hornblende	525	11	516	Olson and others (1977)	
1350	Syenite	Red syenite dikes in and near the McClure Mountain and Gem Park C	WM-63-169	-105.45	38.316667	Canon City	Iron Mountain	Rb-Sr	Whole-rock	484	10	495 ± 10	Olson and others (1977)	Isochron based on 4 samples. (Sample 4 of 4).
1351	Fenite (altered)	Gem Park Complex	WM-63-707	-105.5444444	38.267222	Canon City	Hillside	K/Ar	Vermiculite	330	46	323	Olson and others (1977)	
1352	Fenite	Gem Park Complex	WM-63-723	-105.5416667	38.266667	Canon City	Hillside	K/Ar	Riebeckite	560	30	551	Olson and others (1977)	
1353	Mafic nepheline-bearing rock	McClure Mountain alkaline complex	WM-66-116c	-105.4833333	38.333333	Canon City	Iron Mountain	K/Ar	Biotite	519	13	510	Olson and others (1977)	
1354	Mafic nepheline-bearing rock	McClure Mountain alkaline complex	WM-66-116c	-105.4833333	38.333333	Canon City	Iron Mountain	K/Ar	Pyroxene	545	17	536	Olson and others (1977)	
1355	Mafic nepheline-bearing rock	McClure Mountain alkaline complex	WM-66-116c	-105.4833333	38.333333	Canon City	Iron Mountain	K/Ar	Nepheline	488	12	479	Olson and others (1977)	
1356	Altered mafic rock	Gem Park Complex	WM-67-1029a	-105.5527778	38.259722	Canon City	Hillside	K/Ar	Vermiculite	222	7	217	Olson and others (1977)	
1357	Fenite (altered)	Gem Park Complex	WM-67-728	-105.5444444	38.267222	Canon City	Hillside	K/Ar	Vermiculite	447	22	439	Olson and others (1977)	
1358	Biotite-hornblende syenite	McClure Mountain alkaline complex	WM-8-71	-105.4352778	38.331111	Canon City	Iron Mountain	Rb-Sr	Whole-rock	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 1 of 8).
1359	Biotite-hornblende syenite	McClure Mountain alkaline complex	WM-8-71	-105.4352778	38.331111	Canon City	Iron Mountain	Rb-Sr	Biotite	510	10	521 ± 10	Olson and others (1977)	Isochron based on 8 whole-rock and mineral samples. (Sample 2 of 8).
1360	Rhyolite/trachydacite	Tincup area, west	Dustin Gulch	-106.479731	38.749851	Gunnison	Cumberland Pass	K/Ar	Hornblende	76.3	1.7	76.3	Ouimette and others (1991); Ouimette (1995)	location approximate.
1361	Rhyolite	Napolean Sill on Gold Hill (?)	Gold Hill	-106.4756632	38.723217	Gunnison	Cumberland Pass	K/Ar	Feldspar	38.8	0.9	38.8	Ouimette and others (1991); Ouimette (1995)	
1362	Trachydacite	Tincup porphyry sill	Hillerton	-106.4766667	38.764167	Gunnison	Tincup	K/Ar	Biotite	41.4	0.9	41.4	Ouimette and others (1991); Ouimette (1995)	Location provided by M. Ouimette (written communication to A. Wilson, USGS, 2004).
1363	Granodiorite	Tincup porphyry sill	Seeton Mine	-106.4908333	38.780833	Gunnison	Tincup	K/Ar	Biotite	39.7	0.9	39.7	Ouimette and others (1991); Ouimette (1995)	Location provided by M. Ouimette (written communication to A. Wilson, USGS, 2004).
1364	Biotite-quartz-plagioclase porphyry	Dike, west of Audubon		-105.6114	40.1442	Estes Park	Allens Park	FT	Zircon	52.6	5.6		Pearson and U.S. Bureau of Mines (1980)	
1365	Granodiorite	Lincoln Porphyry	C-10	-106.2367758	39.340898	Leadville	Climax	K/Ar	Biotite	65.6	Not report	64	Pearson and others (1962)	Location and age recalculation from Wallace (1993, 1995).
1366	Granodiorite	Pando Porphyry	C-12	-106.2572967	39.298652	Leadville	Leadville North	K/Ar	Biotite	71.8	Not report	70	Pearson and others (1962)	Location and age recalculation from Wallace (1993, 1995).
1367	Granodiorite	Johnson Gulch Porphyry	C-21	-106.2623724	39.263477	Leadville	Leadville North	K/Ar	Biotite	42.1	Not report	41	Pearson and others (1962)	Pearson and others (1962) suggest date is too young due to Ar loss. Recalculated age and location from Wallace (1993, 1995).
1368	Granodiorite	Pando Porphyry (?)	C-7	-106.4833333	39.388611	Leadville	Mount of the Holy Cross	K/Ar	Biotite	71.8	Not report	70	Pearson and others (1962)	Location and recalculated age by Wallace (1993, 1995).
1369	Paragneiss	Turquoise Lake area	C-1	-106.4375	39.283333	Leadville	Homestake Reservoir	K/Ar	Biotite	1249	62	1240	Pearson and others (1966)	Location from Wallace (1993, 1995).
1370	Hornblendite	Homestake area	C-15	-106.45	39.4	Leadville	Mount of the Holy Cross	K/Ar	Biotite	1249	62	1240	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1371	Hornblendite	Homestake area	C-15	-106.45	39.4	Leadville	Mount of the Holy Cross	K/Ar	Hornblende	2018	10	2020	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1372	Paragneiss	Homestake area	C-16	-106.3958333	39.433333	Leadville	Mount of the Holy Cross	K/Ar	Biotite	1259	63	1250	Pearson and others (1966)	Location from Wallace (1993, 1995).
1373	Metalamprophyre	Homestake area	C-17	-106.3955269	39.373852	Leadville	Pando	K/Ar	Biotite	1328	66	1320	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1374	Pegmatite	Homestake area	C-18	-106.3333333	39.383333	Leadville	Pando	K/Ar	Muscovite	1338	67	1330	Pearson and others (1966)	Location from Wallace (1993, 1995).
1375	Pegmatite	Homestake area	C-19	-106.3171945	39.391562	Leadville	Pando	K/Ar	Muscovite	1368	68	1360	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1376	Pegmatite	Homestake area	C-19	-106.3171945	39.391562	Leadville	Pando	Rb-Sr	Muscovite	1366	70	1320 ± 70	Pearson and others (1966)	
1377	Granite	St. Kevin Granite	C-2	-106.4455913	39.258674	Leadville	Homestake Reservoir	K/Ar	Biotite	1209	60	1200	Pearson and others (1966)	Location and age recalculation from Wallace (1993, 1995).
1378	Granite	St. Kevin Granite	C-20	-106.4001131	39.330842	Leadville	Homestake Reservoir	K/Ar	Biotite	1209	60	1200	Pearson and others (1966)	Location and age recalculation from Wallace (1993, 1995).
1379	Granite	St. Kevin Granite	C-20	-106.4001131	39.330842	Leadville	Homestake Reservoir	Rb-Sr	Biotite	1304	60	1,260 ± 60	Pearson and others (1966)	Model age. Location from Wallace (1993, 1995).
1380	Granite	St. Kevin Granite	C-20	-106.4001131	39.330842	Leadville	Homestake Reservoir	Rb-Sr	Muscovite	1335	60	1290 ± 60	Pearson and others (1966)	Location from Wallace (1993, 1995).
1381	Granite	St. Kevin Granite	C-20	-106.4001131	39.330842	Leadville	Homestake Reservoir	K/Ar	Muscovite	1358	68	1350	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1382	Granite	St. Kevin Granite	C-20	-106.4001131	39.330842	Leadville	Homestake Reservoir	Rb-Sr	K-feldspar	1480	130	1430 ± 130	Pearson and others (1966)	Model age. Location from Wallace (1993, 1995).
1383	Granite	St. Kevin Granite	C-20	-106.4001131	39.330842	Leadville	Homestake Reservoir	Rb-Sr	Whole-rock	1436	72	1390	Pearson and others (1966)	Isochron based on 7 samples. (Sample 1 of 7). Age recalculated by Wallace (1993, 1995).
1384	Granite	Granite of Holy Cross City	C-22	-106.487564	39.419318	Leadville	Mount of the Holy Cross	K/Ar	Biotite	1184	59	1175	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1385	Migmatite	Homestake area	C-23	-106.4788117	39.421576	Leadville	Mount of the Holy Cross	K/Ar	Biotite	1209	60	1200	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1386	Migmatite	Homestake area	C-23	-106.4788117	39.421576	Leadville	Mount of the Holy Cross	K/Ar	Muscovite	1298	65	1290	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1387	Mylonite	Homestake area	C-24	-106.4784931	39.418288	Leadville	Mount of the Holy Cross	K/Ar	Whole-rock	332	16	325	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1388	Granite	St. Kevin Granite	C-25	-106.425	39.313889	Leadville	Homestake Reservoir	K/Ar	Biotite	1309	65	1300	Pearson and others (1966)	Location and age recalculation from Wallace (1993, 1995).
1389	Granite	St. Kevin Granite	C-3	-106.4753994	39.25203	Leadville	Homestake Reservoir	K/Ar	Biotite	1239	62	1230	Pearson and others (1966)	Location and age recalculation from Wallace (1993, 1995).
1390	Granite	St. Kevin Granite	C-3	-106.4751188	39.252085	Leadville	Homestake Reservoir	Rb-Sr	Biotite	1294	60	1250 ± 60	Pearson and others (1966)	Model age. Location from Wallace (1993, 1995).
1391	Granite	St. Kevin Granite	C-3	-106.4752768	39.252031	Leadville	Homestake Reservoir	Rb-Sr	K-feldspar	1356	130	1310 ± 130	Pearson and others (1966)	Model age. Location from Wallace (1993, 1995).
1392	Granite	St. Kevin Granite	C-3	-106.475366	39.252177	Leadville	Homestake Reservoir	Rb-Sr	Whole-rock	1436	72	1390	Pearson and others (1966)	Isochron based on 7 samples. (Sample 6 of 7). Age recalculated by Wallace (1993, 1995).
1393	Granite	Cross Creek pluton	C-4	-106.4219641	39.543413	Vail	Minturn	K/Ar	Biotite	1338	67	1330	Pearson and others (1966)	Location from Wallace (1993, 1995).
1394	Granite	Cross Creek pluton	C-5	-106.425	39.542778	Vail	Minturn	K/Ar	Biotite	1442	72	1440	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1395	Migmatite	Red Cliff area	C-6	-106.3777778	39.505556	Vail	Minturn	K/Ar	Biotite	1368	68	1360	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1396	Granodiorite	Missouri Creek granodiorite	C-7	-106.4811672	39.383767	Leadville	Mount of the Holy Cross	K/Ar	Biotite	70.8	3	69	Pearson and others (1966)	Age recalculated by Wallace (1993, 1995).
1397	Paragneiss	Homestake area	C-8	-106.4958333	39.391667	Leadville	Mount of the Holy Cross	K/Ar	Biotite	92.3	5	90	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1398	Paragneiss	Homestake area	C-9	-106.3092046	39.367946	Leadville	Pando	K/Ar	Biotite	1358	68	1350	Pearson and others (1966)	Location and recalculated age by Wallace (1993, 1995).
1399	Granite	St. Kevin Granite	D-1418	-106.425	39.313889	Leadville	Homestake Reservoir	Rb-Sr	Whole-rock	1436	72	1390	Pearson and others (1966)	Isochron based on 7 samples. (Sample 3 of 7). Age recalculated by Wallace (1993, 1995).
1400	Granite	St. Kevin Granite	D-1419	-106.4166667	39.327778	Leadville	Homestake Reservoir	Rb-Sr	Whole-rock	1436	72	1390	Pearson and others (1966)	Isochron based on 7 samples. (Sample 2 of 7). Age recalculated by Wallace (1993, 1995).
1401	Granite	St. Kevin Granite	D-1773	-106.4896629	39.259396	Leadville	Homestake Reservoir	Rb-Sr	Whole-rock	1436	72	1390	Pearson and others (1966)	Isochron based on 7 samples. (Sample 5 of 7). Age recalculated by Wallace (1993, 1995).
1402	Granite	St. Kevin Granite	E-2208	-106.4454687	39.258676	Leadville	Homestake Reservoir	Rb-Sr	Whole-rock	1436	72	1390	Pearson and others (1966)	Isochron based on 7 samples. (Sample 4 of 7). Age recalculated by Wallace (1993, 1995).
1403	Granite	St. Kevin Granite	E-2209	-106.4285825	39.25286	Leadville	Homestake Reservoir	Rb-Sr	Whole-rock	1436	72	1390	Pearson and others (1966)	Isochron based on 7 samples. (Sample 7 of 7). Age recalculated by Wallace (1993, 1995).
1404	Pyroxene hornblendite	Mafic enclave in Black Hills laccolith	SP119	-104.9987321	37.651929	Blanca Peak	Farisita	40Ar/39Ar	Hornblende	36.6	0.12	36.6	Penn (1994)	Plateau age. Considered to have equilibrated in host magma and to date the laccolith.
1405	Alkali-feldspar syenite	Radial dike associated with Spanish Peaks intrusive center	SP67	-105.0289529	37.470358	Alamosa	Cuchara	40Ar/39Ar	Hornblende	21.9	0.13	21.9	Penn (1994)	Plateau age. Location approximate.
1406	Monzonite	Radial dike associated with Spanish Peaks intrusive center	SP95	-105.05	37.34	Alamosa	Cucharas Pass	40Ar/39Ar	Hornblende	23.3	0.04	23.3	Penn (1994)	Plateau age.
1407	Biotite quartz diorite	West of Horsetooth Reservoir	5-4-6R	-105.2467	40.5617	Fort Collins	Horsetooth Reservoir	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	
1408	Amphibolite	Buckhorn Canyon	0C188Hb	-105.305	40.565	Fort Collins	Buckhorn Mountain	K/Ar	Hornblende	1546	50		Peterman and others (1968)	
1409	Quartz monzonite	Log Cabin batholith	1-0-1R	-105.2	40.7617	Fort Collins	Livermore	Rb-Sr	Whole-rock	1390	30		Peterman and others (1968)	Isochron based on 6 samples.
1410	Biotite quartz monzonite	Boulder Creek granodiorite	14-A-12R	-105.3967	40.4083	Estes Park	Glen Haven	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Approximate fit to Boulder Creek isochron.
1411	Biotite granodiorite	Boulder Creek granodiorite	14-A-20R	-105.415	40.405	Estes Park	Glen Haven	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Approximate fit to Boulder Creek isochron.
1412	Hornblende-biotite granite	Sherman Granite	3-0-8B	-105.2083	40.75	Fort Collins	Livermore/ LaPorte	K/Ar	Biotite	1263	40		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1413	Hornblende-biotite granite	Sherman Granite	3-0-8Hb	-105.2083	40.75	Fort Collins	Livermore/ LaPorte	K/Ar	Hornblende	1351	40		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1414	Hornblende-biotite granite	Sherman Granite	3-0-8R	-105.2083	40.75	Fort Collins	Livermore/ LaPorte	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1415	Biotite-hornblende granite	Sherman Granite	31-42aR	-105.4983	40.92	Fort Collins	Cherokee Park	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron.
1416	Biotite quartz diorite	West of Horsetooth Reservoir	5-4-1R	-105.1983	40.5667	Fort Collins	Horsetooth Reservoir	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Small concordant body.
1417	Biotite quartz diorite	West of Horsetooth Reservoir	5-4-2R	-105.1967	40.55	Fort Collins	Horsetooth Reservoir	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Small concordant body.
1418	Biotite quartz diorite	West of Horsetooth Reservoir	5-4-3R	-105.1967	40.55	Fort Collins	Horsetooth Reservoir	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Small concordant body.
1419	Pegmatite	West of Horsetooth Reservoir	5-5-8Mi	-105.1733	40.54	Fort Collins	Horsetooth Reservoir	Rb-Sr	Microcline	1664	40		Peterman and others (1968)	
1420	Retrograde muscovite after sillimanite	Stove Prairie	6-2-49Mu	-105.3617	40.6183	Fort Collins	Buckhorn Mountain	Rb-Sr	Muscovite	1390	50		Peterman and others (1968)	
1421	Retrograde muscovite after sillimanite	Stove Prairie	6-2-49Mu	-105.3617	40.6183	Fort Collins	Buckhorn Mountain	K/Ar	Muscovite	1388	40		Peterman and others (1968)	
1422	Biotite quartz diorite	West of Horsetooth Reservoir	6-3-21R	-105.2867	40.5767	Fort Collins	Buckhorn Mountain	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Small concordant body.
1423	Biotite quartz diorite	West of Horsetooth Reservoir	6-3-32R	-105.2933	40.575	Fort Collins	Buckhorn Mountain	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Small concordant body.
1424	Pegmatite	Buckhorn Canyon	6-4-98cM	-105.33	40.5717	Fort Collins	Buckhorn Mountain	Rb-Sr	Microcline	1458	40		Peterman and others (1968)	Mineral isochron.
1425	Pegmatite	Buckhorn Canyon	6-4-98cMu	-105.33	40.5717	Fort Collins	Buckhorn Mountain	Rb-Sr	Muscovite	1458	40		Peterman and others (1968)	Mineral isochron.
1426	Pegmatite	Buckhorn Canyon	6-4-98cT	-105.33	40.5717	Fort Collins	Buckhorn Mountain	Rb-Sr	Tourmaline	1458	40		Peterman and others (1968)	Mineral isochron.
1427	Biotite-hornblende granite	Sherman Granite	81-46R	-105.3744	40.9167	Fort Collins	Virginia Dale	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1428	Quartz monzonite	Log Cabin batholith	C-211R	-105.2967	40.7283	Fort Collins	Poudre Park	Rb-Sr	Whole-rock	1390	30		Peterman and others (1968)	Isochron based on 6 samples.
1429	Hornblende-biotite quartz monzonite	Sherman Granite	C-235.1R	-105.2433	40.7683	Fort Collins	Livermore	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals from Sherman Granite.
1430	Quartz monzonite	Log Cabin batholith	C-239R	-105.23	40.7633	Fort Collins	Livermore	Rb-Sr	Whole-rock	1390	30		Peterman and others (1968)	Isochron based on 6 samples.
1431	Biotite quartz monzonite	Sherman Granite	C-28.1R	-105.2933	40.7133	Fort Collins	Poudre Park	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron.
1432	Biotite-quartz monzonite	Mount Olympus pluton	D1192R	-105.4383	40.3917	Estes Park	Glen Haven	Rb-Sr	Whole-rock	1419	20		Peterman and others (1968)	Isochron, 3 samples.
1433	Quartz Monzonite	Longs Peak -St. Vrain pluton	D1196R	-105.3433	40.2583	Estes Park	Pinewood Lake	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1434	Quartz monzonite	Longs Peak -St. Vrain pluton	D1198R	-105.32	40.2383	Estes Park	Lyons	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1435	Quartz monzonite	Longs Peak -St. Vrain pluton	D1199R	-105.305	40.3133	Estes Park	Pinewood Lake	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1436	Granite	Longs Peak -St. Vrain pluton	D1200R	-105.29	40.2483	Estes Park	Lyons	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1437	Granite	Longs Peak -St. Vrain pluton	D1206R	-105.435	40.175	Estes Park	Raymond	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1438	Quartz monzonite	Longs Peak -St. Vrain pluton	D1208R	-105.3533	40.1783	Estes Park	Lyons	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1439	Quartz monzonite	Longs Peak -St. Vrain pluton	D1209R	-105.355	40.1833	Estes Park	Lyons	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1440	Granite	Longs Peak -St. Vrain pluton	D1210R	-105.34	40.2033	Estes Park	Lyons	Rb-Sr	Whole-rock	1419	30		Peterman and others (1968)	Isochron, 8 samples.
1441	Quartz monzonite	Log Cabin batholith	E-30-1M	-105.385	40.87	Fort Collins	Haystack Gulch	Rb-Sr	Microcline	1380	40		Peterman and others (1968)	Isochron based on 6 samples. Muscovite-microcline-whole rock isochron.
1442	Quartz monzonite	Log Cabin batholith	E-30-1Mu	-105.385	40.87	Fort Collins	Haystack Gulch	Rb-Sr	Muscovite	1380	40		Peterman and others (1968)	Isochron based on 6 samples. Muscovite-microcline-whole rock isochron.
1443	Quartz monzonite	Log Cabin batholith	E-30-1R	-105.385	40.87	Fort Collins	Haystack Gulch	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	Isochron based on 6 samples.
1444	Quartz monzonite	Log Cabin batholith	E-30-1R	-105.385	40.87	Fort Collins	Haystack Gulch	Rb-Sr	Whole-rock	1380	40		Peterman and others (1968)	Isochron based on 6 samples. Muscovite-microcline-whole rock isochron.
1445	Porphyritic biotite quartz monzonite	Sherman Granite	E-33-4B	-105.4717	40.9983	Fort Collins	Cherokee Park	Rb-Sr	Biotite	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1446	Porphyritic biotite quartz monzonite	Sherman Granite	E-33-4M	-105.4717	40.9983	Fort Collins	Cherokee Park	Rb-Sr	Microcline	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1447	Porphyritic biotite quartz monzonite	Sherman Granite	E-33-4R	-105.4717	40.9983	Fort Collins	Cherokee Park	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1448	Biotite-quartz monzonite	Mount Olympus pluton	GH-40R	-105.4783	40.3783	Estes Park	Glen Haven	Rb-Sr	Whole-rock	1419	20		Peterman and others (1968)	Isochron, 3 samples.
1449	Quartz-biotite-hornblende gneiss	Near Golden	HP-13R	-105.2583	39.7417	Denver West	Evergreen	Rb-Sr	Whole-rock	1728	30		Peterman and others (1968)	Isochron from 7 samples.
1450	Biotite quartz monzonite	Boulder Creek granodiorite	HP-14R	-105.4017	39.87	Denver West	Blackhawk	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Isochron based on 4 samples. Rock-mineral isochron for this sample.
1451	Biotite quartz monzonite	Boulder Creek granodiorite	HP-14R	-105.4017	39.87	Denver West	Blackhawk	Rb-Sr	Microcline	1312	70		Peterman and others (1968)	Isochron based on 4 samples. Rock-mineral isochron.
1452	Biotite quartz monzonite	Boulder Creek granodiorite	HP-14R	-105.4017	39.87	Denver West	Blackhawk	Rb-Sr	Plagioclase	1312	70		Peterman and others (1968)	Isochron based on 4 samples. Rock-mineral isochron for this sample.
1453	Biotite granodiorite	Boulder Creek granodiorite	HP-15R	-105.45	39.9867	Denver West	Tungsten	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Isochron based on 4 samples.
1454	Biotite granodiorite	Boulder Creek granodiorite	HP-16R	-105.4317	39.9933	Denver West	Tungsten	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Isochron based on 4 samples.
1455	Hornblende-biotite granodiorite	Boulder Creek granodiorite	HP-17R	-105.3817	40.005	Estes Park	Gold Hill	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Isochron, 4 samples.
1456	Biotite quartz monzonite	Boulder Creek granodiorite	HP-18R	-105.33	40.0117	Estes Park	Boulder	Rb-Sr	Whole-rock	1664	40		Peterman and others (1968)	Isochron based on 4 samples.
1457	Sillimanite-biotite-quartz gneiss	Near Morrison	HP-5R	-105.205	39.6533	Denver West	Morrison	Rb-Sr	Whole-rock	1728	30		Peterman and others (1968)	Isochron from 7 samples.
1458	Muscovite-biotite-quartz-feldspar gneiss	Near Idaho Springs	HP-7R	-105.44	39.745	Denver West	Squaw Pass	Rb-Sr	Whole-rock	1728	30		Peterman and others (1968)	Isochron from 7 samples.
1459	Amphibolite	Lower Thompson Canyon	NFR-128Hb	-105.2433	40.4183	Estes Park	Masonville	K/Ar	Hornblende	1516	50		Peterman and others (1968)	
1460	Biotite quartz monzonite	Mount Olympus pluton	PAP-1R	-105.4883	40.3733	Estes Park	Panorama Peak	Rb-Sr	Whole-rock	1419	20		Peterman and others (1968)	Isochron, 3 samples.
1461	Quartz monzonite	Log Cabin batholith	W-2-18R	-105.1967	40.7717	Fort Collins	Livermore	Rb-Sr	Whole-rock	1390	30		Peterman and others (1968)	Isochron based on 6 samples.
1462	Quartz monzonite	Log Cabin batholith	W-2-20R	-105.1983	40.7667	Fort Collins	Livermore	Rb-Sr	Whole-rock	1390	30		Peterman and others (1968)	Isochron based on 6 samples.
1463	Hornblende-biotite quartz monzonite	Sherman Granite	W-2-7R	-105.2033	40.7767	Fort Collins	Livermore	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals.
1464	Hornblende-biotite quartz monzonite	Sherman Granite	W-5-15R	-105.2233	40.7467	Fort Collins	Laporte	Rb-Sr	Whole-rock	1380	30		Peterman and others (1968)	10 point isochron for 8 rocks and 2 minerals. U-Pb date on Sherman Granite just north of 41 is 1412¦ Ma from concordia diagram based on 15 samples from drill core (Aleinikoff, 1983).
1465	Monzogranite	Rawah pluton	C87-100	-105.6508333	40.588333	Fort Collins	Comanche Peak	U-Pb	Zircon	1695	20	1695	Plymate and others (2005)	Concordia, upper intercept; composite of 9 fractions from 3 samples. Upper intercept of four fractions of only this sample yields age of 1724 ± 17 Ma.
1466	Monzogranite, melanocratic	Rawah pluton	C87-87A	-105.7258333	40.581111	Fort Collins	Comanche Peak	U-Pb	Zircon	1673	6	1673	Plymate and others (2005)	Concordia, upper intercept; composite of 3 fractions from 2 samples. 207Pb/206Pb ages of two fractions from only this sample are 1655 and 1660 Ma.
1467	Granodiorite	Rawah pluton	C88-231A	-105.6636111	40.611667	Fort Collins	Comanche Peak	U-Pb	Zircon	1691	9	1691	Plymate and others (2005)	Concordia, upper intercept; composite of 6 fractions from 2 samples. Upper intercept of 3 fractions of only this sample yields age of 1689 ± 3 Ma.
1468	Monzogranite	Tectonized Granite pluton, near Comanche Reservoir	C89-266	-105.6625	40.6175	Fort Collins	Comanche Peak	U-Pb	Zircon	1695	20	1695	Plymate and others (2005)	Concordia, upper intercept; composite of 9 fractions from 3 samples. Upper intercept of three fractions of only this sample yields age of 1693 ± 5 Ma.
1469	Monzogranite, melanocratic	Tectonized Granite pluton, near Comanche Reservoir	C89-335	-105.7213889	40.610833	Fort Collins	Comanche Peak	U-Pb	Zircon	1673	6	1673	Plymate and others (2005)	Concordia, upper intercept; composite of 3 fractions from 2 samples. 207Pb/206Pb age of one fraction from only this sample is 1654 Ma.
1470	Monzogranite	St. Vrain pluton	C90-421	-105.6730556	40.541944	Fort Collins	Comanche Peak	U-Pb	Zircon	1393	25	1393	Plymate and others (2005)	Concordia, upper intercept; composite of 4 fractions from 2 samples. Upper intercept of 2 fractions of only this sample yields age of 1406 ± 2 Ma.
1471	Tonalite	Near Crown Point	C92-556	-105.7083333	40.619722	Fort Collins	Comanche Peak	U-Pb	Zircon	1702	6	1702	Plymate and others (2005)	Concordia, upper intercept; three data points.
1472	Monzogranite	Rawah pluton	C92-561	-105.6736111	40.574167	Fort Collins	Comanche Peak	U-Pb	Zircon	1695	20	1695	Plymate and others (2005)	Concordia, upper intercept; composite of 9 fractions from 3 samples. 207Pb/206Pb ages of two fractions from only this sample are 1638 and 1656 Ma.
1473	Granodiorite	Rawah pluton	C94-768	-105.6486111	40.613611	Fort Collins	Comanche Peak	U-Pb	Zircon	1691	9	1691	Plymate and others (2005)	Concordia, upper intercept; composite of 6 fractions from 2 samples. Upper intercept of 3 fractions of only this sample yields age of 1706 ± 6 Ma.
1474	Felsic gneiss	Tectonized Granite pluton, near Comanche Reservoir	C94-775	-105.6272222	40.595556	Fort Collins	Comanche Peak	U-Pb	Zircon	1764	12	1764	Plymate and others (2005)	Concordia, upper intercept; three data points.
1475	Monzogranite	St. Vrain pluton	C95-781	-105.7163889	40.584167	Fort Collins	Comanche Peak	U-Pb	Zircon	1393	25	1393	Plymate and others (2005)	Concordia, upper intercept; composite of 4 fractions from 2 samples. Upper intercept of 2 fractions of only this sample yields age of 1404 ± 4 Ma.
1476	Monzogranite	St. Vrain pluton	C96-801C	-105.6430556	40.613056	Fort Collins	Comanche Peak	U-Pb	Zircon	1276	1.8	1276	Plymate and others (2005)	207Pb/206Pb age of single analysis.
1477	Quartz monzonite	Rawah pluton	82-17	-105.8	40.6833	Fort Collins	Boston Peak	U-Pb	Zircon	1720	8		Premo and Van Schmus (1989)	
1478	Granodiorite	Boulder Creek batholith	83-01	-105.315	40.0333	Estes Park	Boulder	U-Pb	Zircon	1714	6		Premo and Van Schmus (1989)	
1479	Granite	Mount Antero granite	No sample number	-106.2397222	38.5925	Gunnison	Maysville	K/Ar	Biotite	31.6	1.1	30.8	Pulfrey (1971)	Location approximate. Mineral concentrate was 85 percent biotite, 10 percent muscovite, and 5 percent groundmass and accessory minerals.
1480	Phonotephrite	Cripple Creek intrusive complex	CC40a	-105.1298285	38.736023	Pikes Peak	Cripple Creek South	40Ar/39Ar	K-feldspar	31.1	0.11	31.15	Rampe and others (2005)	Plateau age. Location approximate.
1481	Phonotephrite	Cripple Creek intrusive complex	CC40b	-105.1298487	38.736039	Pikes Peak	Cripple Creek South	40Ar/39Ar	Matrix	31.2	0.1	31.17	Rampe and others (2005)	Integrated plateau age. Location approximate.
1482	Lamprophyre	Cripple Creek intrusive complex; Pinto dike	CC57	-105.1332826	38.737238	Pikes Peak	Cripple Creek South	40Ar/39Ar	Phlogopite	30.4	0.21	30.41	Rampe and others (2005)	Weighted mean plateau age. Location approximate.
1483	Tephriphonolite	Cripple Creek intrusive complex	CC58	-105.1324941	38.736787	Pikes Peak	Cripple Creek South	40Ar/39Ar	Hornblende	31.1	0.04	31.12	Rampe and others (2005)	Plateau age. Location approximate.

1484	Foid syenitoid	Cripple Creek intrusive complex; xenolith in Cresson Pipe	CC70	-105.1431787	38.727785	Pikes Peak	Cripple Creek South	40Ar/39Ar	K-feldspar	29	0.08	28.95	Rampe and others (2005)	Final step in spectrum interpreted to indicate emplacement age of Cresson Pipe. Location approximate.
1485	Foid syenitoid	Cripple Creek intrusive complex; xenolith in Cresson Pipe	CC70b	-105.1431684	38.727797	Pikes Peak	Cripple Creek South	40Ar/39Ar	K-feldspar	28.4	0.21	28.38	Rampe and others (2005)	Weighted mean spectrum age interpreted to indicate emplacement age of Cresson Pipe. Location approximate.
1486	Phonotephrite	Cripple Creek intrusive complex, Isabella dike	CC73	-105.1321955	38.736303	Pikes Peak	Cripple Creek South	40Ar/39Ar	Aegerine	32.2	1	27.8	Rampe and others (2005)	Flat part of spectrum; probably aegerine. Location approximate.
1487	Phonolite	Cripple Creek intrusive complex	CC74	-105.1319444	38.735833	Pikes Peak	Cripple Creek South	40Ar/39Ar	K-feldspar	31.6	0.32	31.59	Rampe and others (2005)	Four-point isochron age. Location approximate.
1488	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	523.4	2.9	523.4	Renne (1995)	Location approximate. Mean total-fusion age.
1489	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	523.1	2.6	523.1	Renne and others (1998)	Location approximate. Date calculated using GA-1550 as the primary standard.
1490	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	525.1	2.3	525.1	Renne and others (1998)	Location approximate. Date calculated using GHC-305 as the primary standard.
1491	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	510.1	9	510.1	Rex and others (1993)	Location approximate. Integrated age.
1492	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	516.7	9.1	516.7	Rex and others (1993)	Location approximate. Integrated age.
1493	Altered wallrock	The Patch	125	-105.5175	39.7925	Denver West	Central City	K/Ar	Sericite	57.5	1.2		Rice and others (1982)	
1494	Altered wallrock	The Patch	125A	-105.525	39.7925	Denver West	Central City	K/Ar	Sericite	53.8	1.1		Rice and others (1982)	
1495	Unnamed	The Patch	125A	-105.525	39.7925	Denver West	Central City	K/Ar	Sericite	53.7	1.1		Rice and others (1982)	
1496	Hornblende quartz monzonite	Apex stock	150	-105.5690326	39.861324	Denver West	Central City	K/Ar	Hornblende	79.3	3.1		Rice and others (1982)	
1497	Hornblende quartz monzonite	Apex stock	150	-105.5690326	39.861324	Denver West	Central City	K/Ar	Hornblende	76.7	3.1		Rice and others (1982)	
1498	Altered wallrock	Dump of Anchor mine	157	-105.5094	39.7808	Denver West	Central City	K/Ar	Sericite	59.6	1.6		Rice and others (1982)	
1499	Altered wallrock	Dump of Elkhorn mine	159	-105.5044	39.7836	Denver West	Central City	K/Ar	Sericite	54.9	1.3		Rice and others (1982)	
1500	breccia matrix in Proterozoic rock	Gold Cup pipe	246A	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	118	3		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1501	breccia matrix in Proterozoic rock	Gold Cup pipe	246B	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	120	2		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1502	breccia matrix in Proterozoic rock	Gold Cup pipe	246C	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	96	2		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1503	Altered wallrock	Upper Eureka Gulch	247	-105.5475	39.7992	Denver West	Central City	K/Ar	Sericite	305	6		Rice and others (1982)	
1504	Altered wallrock	Dump of East Notaway mine	256	-105.5019	39.7878	Denver West	Central City	K/Ar	Sericite	52.7	1.2		Rice and others (1982)	
1505	Altered wallrock	Dump of Alcan mine	270	-105.5214	39.7614	Denver West	Central City	K/Ar	Sericite	58.4	1.2		Rice and others (1982)	
1506	Altered wallrock	Upper Gibson Gulch	276	-105.5164	39.7647	Denver West	Central City	K/Ar	Sericite	55.9	1.5		Rice and others (1982)	
1507	Syenite	Dike, south of Idaho Springs	293C	-105.5117	39.7408	Denver West	Idaho Springs	K/Ar	Whole-rock	65.2	1.4		Rice and others (1982)	2-5 mm size fraction.
1508	Syenite	Dike, south of Idaho Springs	293C	-105.5117	39.7408	Denver West	Idaho Springs	K/Ar	Whole-rock	61.6	1.3		Rice and others (1982)	1-2 mm size fraction.
1509	Biotite quartz latite	Dike on Chicago Creek	297	-105.5817	39.7139	Denver West	Idaho Springs	K/Ar	Biotite	61.2	1.3		Rice and others (1982)	
1510	Biotite quartz latite	Dike on Chicago Creek	297	-105.5817	39.7139	Denver West	Idaho Springs	K/Ar	Biotite	58.4	1.2		Rice and others (1982)	
1511	Biotite quartz latite	Dike on Chicago Creek	297	-105.5817	39.7139	Denver West	Idaho Springs	K/Ar	Biotite	57.6	1.2		Rice and others (1982)	
1512	Biotite granodiorite	Stock on Fall River	298	-105.5667	39.775	Denver West	Central City	K/Ar	Biotite	57.6	1.2		Rice and others (1982)	
1513	Biotite granodiorite	Stock on Fall River	298	-105.5667	39.775	Denver West	Central City	K/Ar	Biotite	57	1.2		Rice and others (1982)	
1514	Altered wallrock	Dump of Saratoga mine	302	-105.5083	39.7811	Denver West	Central City	K/Ar	Sericite	56.9	2.1		Rice and others (1982)	
1515	Bostonite	Dike on Bellevue Mountain	78	-105.5428	39.7656	Denver West	Central City	K/Ar	Whole-rock	62.6	1.3		Rice and others (1982)	1-2 mm size fraction.
1516	Bostonite	Dike on Bellevue Mountain	78	-105.5428	39.7656	Denver West	Central City	K/Ar	Whole-rock	63.3	2.2		Rice and others (1982)	2-5 mm size fraction.
1517	Matrix of breccia	Gold Cup Pipe, brecciated Proterozoic rock	88A	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	162	3		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1518	Fragments of pegmatitic muscovite in breccia	Gold Cup Pipe, brecciated Proterozoic rock	88B	-105.5172759	39.813982	Denver West	Central City	K/Ar	Muscovite	1360	30		Rice and others (1982)	Regional mica age.
1519	Fragments of pegmatitic muscovite in breccia	Gold Cup Pipe	88C	-105.5172759	39.813982	Denver West	Central City	K/Ar	Muscovite	1350	30		Rice and others (1982)	Regional mica age.
1520	Matrix of breccia	Gold Cup Pipe, brecciated Proterozoic rock	88F	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	124	3		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1521	Matrix of breccia	Gold Cup Pipe, brecciated Proterozoic rock	88F	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	114	3		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1522	Matrix of breccia	Gold Cup Pipe, brecciated Proterozoic rock	88H	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	138	3		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1523	Matrix of breccia	Gold Cup Pipe, brecciated Proterozoic rock	88H	-105.5172	39.8139	Denver West	Central City	K/Ar	Sericite	132	3		Rice and others (1982)	Small admixtures of mica from brecciated Proterozoic rock.
1524	Syenite	Elkhorn stock	91	-105.4989	39.7714	Denver West	Blackhawk	K/Ar	Whole-rock	84.3	2.2		Rice and others (1982)	2-5 mm size fraction.
1525	Syenite	Elkhorn stock	91	-105.4989	39.7714	Denver West	Blackhawk	K/Ar	Whole-rock	77.5	2.4		Rice and others (1982)	1-2 mm size fraction.
1526	Altered wallrock	Bobtail Hill	E31	-105.4958	39.7972	Denver West	Blackhawk	K/Ar	Sericite	76	2		Rice and others (1982)	
1527	Altered wallrock	Carroll mine	K13	-105.5258	39.8056	Denver West	Central City	K/Ar	Sericite	78	2.00		Rice and others (1982)	
1528	Altered wallrock	Dump of Winabago mine	K19	-105.5219	39.8056	Denver West	Central City	K/Ar	Sericite	340	7		Rice and others (1982)	
1529	Altered wallrock	Dump of Clay Co. mine	Y37	-105.4878	39.7881	Denver West	Blackhawk	K/Ar	Sericite	54.4	1.3		Rice and others (1982)	
1530	Vein material	Sweet Home Mine	A	-106.1152778	39.3125	Leadville	Alma	U-Pb	Apatite	24.8	0.5	24.8	Romer and Lueders (2006)	206Pb/204Pb vs. 238U/204Pb isochron age. MSWD = 1.0.
1531	Vein material	Sweet Home Mine	H	-106.1152778	39.3125	Leadville	Alma	U-Pb	Huebnerite	25.7	0.3	25.7	Romer and Lueders (2006)	Weighted average of three 206Pb/238U ages from same crystal.
1532	Tonalitic gneiss	Twin Peaks pluton	CO92-1	-105.5352268	37.570503	Blanca Peak	Twin Peaks	U-Pb	Zircon	1732	3.7	1732.10	Sabin (1994)	Concordia, upper intercept.
1533	Gabbroic gneiss	Gabbro of Little Bear	CO92-28	-105.50275	37.569861	Blanca Peak	Twin Peaks	U-Pb	Zircon	1728	2.3	1728	Sabin (1994)	Concordia, upper intercept.
1534	Mixed gneiss	Medano Creek	CO92-3	-105.4686667	37.820556	Blanca Peak	Twin Peaks	U-Pb	Zircon	1696	2.4	1695.50	Sabin (1994)	Concordia, upper intercept.
1535	Hornblende gneiss	LaVeta Pass	CO92-35	-105.3435135	37.49142	Alamosa	Trinchera Ranch	U-Pb	Zircon	1675	168	1675	Sabin (1994)	Concordia, upper intercept.
1536	Quartz diorite gneiss	Zapata Creek pluton	CO93-3	-105.5227778	37.608194	Blanca Peak	Twin Peaks	U-Pb	Zircon	1749	3.8	1749.10	Sabin (1994)	Concordia, upper intercept.
1537	Dioritic gneiss	Blanca Peak pluton	CO93-6	-105.5411111	37.621806	Blanca Peak	Twin Peaks	U-Pb	Zircon	1745	24	1745	Sabin (1994)	Concordia, upper intercept.
1538	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	K/Ar	Hornblende	520	1.7	520.4	Samson and Alexander (1987)	Location approximate.
1539	Andesite	Lowest outcrop in South Park formation	323	-105.9169	39.2547	Bailey	Como	K/Ar	Whole-rock	57.4	2.6		Sawatsky (1967); Bryant and others (1981)	
1540	Granite	Climax porphyritic granite	G-MO146	-106.1663315	39.368673	Leadville	Climax	K/Ar	Muscovite	30.3	1	29.5	Schassberger (1972)	Age recalculated by and location from Wallace (1993, 1995).
1541	Mineralized granite	Urad mine	No. 3	-105.825	39.7556	Denver West	Berthoud Pass	K/Ar	Sericite	26.7	0.90		Schassberger (1972)	
1542	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	U-Pb	Zircon	524	0.74	523.98	Schoene and Bowring (2006)	Location approximate. Date is a weighted mean 207Pb/235U age based on ten analyses of chemically abraded zircons.
1543	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	U-Pb	Baddeleyite	522	1.03	522.41	Schoene and Bowring (2006)	Location approximate. Date is a weighted mean 207Pb/235U age based on analyses of four fractions. Open isotopic system behavior is evident; doubtful that this is a crystallization age.
1544	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	U-Pb	Titanite	523	1.27	523.26	Schoene and Bowring (2006)	Location approximate. Date is a weighted mean 207Pb/235U age based on analyses of eight fractions.
1545	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	U-Pb	Apatite	523	2	523.51	Schoene and Bowring (2006)	Location approximate. Date is a weighted mean 207Pb/235U age based on analyses of six fractions.
1546	Quartzo feldspathic schist	North of Moose Mountain shear zone	CL1-96	-105.2422	40.3719	Estes Park	Carter Lake Reservoir	U-Pb	Zircon (detrital)	1800	Not report		Selverstone and others (2000)	1758 to ~3450; peak at 1800. SHRIMP data, 51 determinations.
1547	Quartzo feldspathic schist	South of Moose Mountain shear zone	BT150LY	-105.3236	40.2458	Estes Park	Lyons	U-Pb	Zircon (detrital)	1825	Not report		Selverstone and others (2000)	Peak at 1825; none>2650. SHRIMP data, 47 determinations.
1548	Rhyolite	Dike associated with Mount Aetna cauldron	63-B-88	-106.3771924	38.774974	Gunnison	Tincup	FT	Zircon	33.4	1.4	33.4	Shannon (1988)	Intrusive tuff dike.
1549	Rhyolite	Mount Aetna cauldron	63-B-88	-106.3771924	38.774974	Gunnison	Tincup	FT	Apatite	33.7	3.4	33.7	Shannon (1988)	
1550	Granite	North Fork intrusion	84-280	-106.2415512	38.592871	Gunnison	Garfield	FT	Zircon	20	2.7	20	Shannon (1988)	
1551	Granite	North Fork intrusion	84-280	-106.2415512	38.592871	Gunnison	Garfield	FT	Apatite	19.7	2.7	19.7	Shannon (1988)	
1552	Granite	North Fork intrusion	84-280	-106.2415512	38.592871	Gunnison	Garfield	FT	Monazite	6.2	0.6	6.2	Shannon (1988)	
1553	Rhyodacite	Intracauldron Badger Creek Tuff	84-282	-106.3447222	38.612222	Gunnison	Garfield	FT	Sphene	35.4	3.5	35.4	Shannon (1988)	
1554	Rhyodacite	Intracauldron Badger Creek Tuff	84-282	-106.3447222	38.612222	Gunnison	Garfield	FT	Allanite	35.9	4.6	35.9	Shannon (1988)	
1555	Rhyodacite	Intracauldron Badger Creek Tuff	84-282	-106.3447222	38.612222	Gunnison	Garfield	FT	Zircon	31.2	2.2	31.2	Shannon (1988)	
1556	Rhyodacite	Intracauldron Badger Creek Tuff	84-282	-106.3447222	38.612222	Gunnison	Garfield	FT	Apatite	28.2	2.6	28.2	Shannon (1988)	
1557	Granodiorite	Mount Aetna resurgent intrusion	84-290	-106.3325	38.603611	Gunnison	Garfield	FT	Sphene	35.5	3.7	35.5	Shannon (1988)	
1558	Granodiorite	Mount Aetna resurgent intrusion	84-290	-106.3325	38.603611	Gunnison	Garfield	FT	Allanite	32.9	4.6	32.9	Shannon (1988)	
1559	Granodiorite	Mount Aetna resurgent intrusion	84-290	-106.3325	38.603611	Gunnison	Garfield	FT	Zircon	30.4	2.1	30.4	Shannon (1988)	
1560	Granodiorite	Mount Aetna resurgent intrusion	84-290	-106.3325	38.603611	Gunnison	Garfield	FT	Apatite	29.8	2.5	29.8	Shannon (1988)	
1561	Granodiorite	Mount Princeton pluton	84-295	-106.4316667	38.706667	Gunnison	Cumberland Pass	FT	Sphene	41.2	3.1	41.2	Shannon (1988)	
1562	Granodiorite	Mount Princeton pluton	84-295	-106.4316667	38.706667	Gunnison	Cumberland Pass	FT	Allanite	38.8	3.9	38.8	Shannon (1988)	
1563	Granodiorite	Mount Princeton pluton	84-295	-106.4316667	38.706667	Gunnison	Cumberland Pass	FT	Zircon	32.7	2.6	32.7	Shannon (1988)	
1564	Granite	California intrusion	84-299	-106.2037469	38.648653	Gunnison	Mount Antero	FT	Zircon	29.3	2.8	29.3	Shannon (1988)	
1565	Granite	Mount Antero intrusion	84-300	-106.2232479	38.649163	Gunnison	Garfield	FT	Zircon	28.2	3	28.2	Shannon (1988)	
1566	Granite	Mount Antero intrusion	84-300	-106.223098	38.649284	Gunnison	Garfield	FT	Apatite	14.8	2	14.8	Shannon (1988)	
1567	Granite	Mount Antero granite	84-300	-106.222946	38.649285	Gunnison	Garfield	FT	Monazite	6.6	0.8	6.6	Shannon (1988)	
1568	Rhyolite	Basal vitrophyre of the Wall Mountain Tuff	85-127	-105.9833241	38.841832	Pikes Peak	Castle Rock Gulch	FT	Zircon	37.3	3.7	37.3	Shannon (1988)	
1569	Rhyolite	Wall Mountain Tuff	85-127a	-105.9833228	38.841737	Pikes Peak	Castle Rock Gulch	FT	Sphene	42	6.1	42	Shannon (1988)	Devitrified welded flow.
1570	Rhyolite	Wall Mountain Tuff	85-127a	-105.9834461	38.841831	Pikes Peak	Castle Rock Gulch	FT	Allanite	34.7	2.3	34.7	Shannon (1988)	
1571	Rhyolite	Wall Mountain Tuff	85-127a	-105.9833241	38.841832	Pikes Peak	Castle Rock Gulch	FT	Zircon	36.5	3.4	36.5	Shannon (1988)	Devitrified welded flow.
1572	Rhyodacite	Tuff of Triad Ridge	85-128	-105.9861111	38.821667	Pikes Peak	Castle Rock Gulch	FT	Zircon	34.1	3.7	34.1	Shannon (1988)	Previously thought to be Outflow of Badger Creek Tuff.
1573	Rhyodacite	Tuff of Triad Ridge	85-128	-105.9861111	38.821667	Pikes Peak	Castle Rock Gulch	FT	Apatite	33.6	5.1	33.6	Shannon (1988)	
1574	Rhyodacite	Mount Aetna ring dike	85-42c	-106.2584415	38.781575	Gunnison	Mount Yale	FT	Sphene	35.9	3.6	35.9	Shannon (1988)	
1575	Rhyodacite	Mount Aetna ring dike	85-42c	-106.2584415	38.781575	Gunnison	Mount Yale	FT	Allanite	33.8	3.4	33.8	Shannon (1988)	
1576	Rhyodacite	Mount Aetna ring dike	85-42c	-106.2584415	38.781575	Gunnison	Mount Yale	FT	Zircon	34.6	3.3	34.6	Shannon (1988)	
1577	Rhyodacite	Mount Aetna ring dike	85-42c	-106.2584415	38.781575	Gunnison	Mount Yale	FT	Apatite	23.8	2.8	23.8	Shannon (1988)	
1578	Rhyodacite	Intrusive tuff dike associated with Mount Aetna cauldron	85-53	-106.3752778	38.725556	Gunnison	Tincup	FT	Sphene	34	3.3	34	Shannon (1988)	
1579	Rhyodacite	Intrusive tuff dike associated with Mount Aetna cauldron	85-53	-106.3752778	38.725556	Gunnison	Tincup	FT	Allanite	37.2	2.9	37.2	Shannon (1988)	
1580	Rhyodacite	Dike associated with Mount Aetna cauldron	85-53	-106.3752778	38.725556	Gunnison	Tincup	FT	Zircon	34.2	3.4	34.2	Shannon (1988)	Intrusive tuff dike.
1581	Rhyodacite	Intrusive tuff dike associated with Mount Aetna cauldron	85-53	-106.3752778	38.725556	Gunnison	Tincup	FT	Apatite	37	2.4	37	Shannon (1988)	
1582	Granodiorite	Mount Princeton pluton	85-70	-106.3972222	38.5875	Gunnison	Garfield	FT	Sphene	39.4	3.2	39.4	Shannon (1988)	
1583	Granodiorite	Mount Princeton pluton	85-70	-106.3972222	38.5875	Gunnison	Garfield	FT	Allanite	35.9	4.1	35.9	Shannon (1988)	
1584	Granodiorite	Mount Princeton pluton	85-70	-106.3972222	38.5875	Gunnison	Garfield	FT	Zircon	34.2	2.9	34.2	Shannon (1988)	
1585	Rhyolite	Browns Creek plug	BCP7	-106.2747222	38.64	Gunnison	Saint Elmo	FT	Zircon	22.1	1.1	22.1	Shannon (1988)	Location approximate. Interpreted by Shannon (1988) to be an uplift-cooling age related to Rio Grande rift tectonism.
1586	Granodiorite	Mount Princeton pluton	TMPM-CCQ	-106.2402431	38.714841	Gunnison	Mount Antero	FT	Sphene	27.6	2.5	27.6	Shannon (1988)	
1587	Granodiorite	Mount Princeton pluton	TMPM-CCQ	-106.2402431	38.714841	Gunnison	Mount Antero	FT	Allanite	30.3	3	30.3	Shannon (1988)	
1588	Granodiorite	Mount Princeton pluton	TMPM-CCQ	-106.2402431	38.714841	Gunnison	Mount Antero	FT	Zircon	29.4	2.8	29.4	Shannon (1988)	
1589	Granodiorite	Mount Princeton pluton	TMPM-CCQ	-106.2402431	38.714841	Gunnison	Mount Antero	FT	Apatite	21	3.6	21	Shannon (1988)	
1590	Amphibolite	Big Thompson Canyon	BTCBT12D-a	-105.2811378	40.421364	Estes Park	Drake	40Ar/39Ar	Hornblende	1523	2		Shaw and others (1999)	Preferred/Plateau age. High Magesium hornblende. High titanium biotite.
1591	Amphibolite	Big Thompson Canyon	BTCBT12D-a	-105.2811378	40.421364	Estes Park	Drake	40Ar/39Ar	Biotite	1370	2		Shaw and others (1999)	Preferred/Plateau age. High magnesium hornblende. High titanium biotite.
1592	Micaceous schist	Carter Lake	BTCR30409-1a	-105.2422	40.3719	Estes Park	Carter Lake Reservoir	40Ar/39Ar	Muscovite	1395	2		Shaw and others (1999)	Preferred/Plateau age.
1593	Quartzo-feldspathic schist	Carter Lake	BTCR30409-1b	-105.2422	40.3719	Estes Park	Carter Lake Reservoir	40Ar/39Ar	Biotite	1341	2		Shaw and others (1999)	Total gas age. Concave upward spectrum. Meaningless age.
1594	Micaeous schist	Big Thompson Canyon	BTCR30409-2c	-105.2247	40.4219	Estes Park	Masonville	40Ar/39Ar	Phengite	1389	2		Shaw and others (1999)	Preferred/Plateau age.
1595	Trondhjemite	Palisade Mountain pluton	BTCR30409-3a	-105.2286	40.4353	Estes Park	Masonville	40Ar/39Ar	Biotite	1401	2		Shaw and others (1999)	Preferred/Plateau age.
1596	Trondhjemite	Palisade Mountain pluton	BTCR30409-3a	-105.2286	40.4353	Estes Park	Masonville	40Ar/39Ar	Microcline	1179	1		Shaw and others (1999)	Total gas age. Continuous loss pattern. Meaningless age.
1597	Amphibolite	Big Thompson Canyon	BTCR30409-3b	-105.2286	40.4353	Estes Park	Masonville	40Ar/39Ar	Actinolite	1494	2		Shaw and others (1999)	Total gas age. Erratic spectrum with continuous loss.. Meaningless age. Actinolite cores
1598	Amphibolite	Big Thompson Canyon	BTCR30409-3c	-105.2286	40.4353	Estes Park	Masonville	40Ar/39Ar	Actinolite	1413	2		Shaw and others (1999)	Total gas age. Maximum age 1500 Ma. 5-10% actinolite cores
1599	Amphibolite	Big Thompson Canyon	BTCR30409-4a	-105.2436	40.4183	Estes Park	Masonville	40Ar/39Ar	Hornblende	1479	2		Shaw and others (1999)	Total gas age. Continuous loss pattern. Maximum age 1525 Ma. High potassium hornblende.
1600	Micaceous schist	Big Thompson Canyon	BTCR30409-4b	-105.2436	40.4183	Estes Park	Masonville	40Ar/39Ar	Biotite	1385	2		Shaw and others (1999)	Preferred/Plateau age. Metamict biotite.
1601	Micaceous schist	Big Thompson Canyon	BTCR30409-4b	-105.2436	40.4183	Estes Park	Masonville	40Ar/39Ar	Muscovite	1382	2		Shaw and others (1999)	Preferred/Plateau age. Metamict biotite.
1602	Quartz-feldspar schist	Big Thompson Canyon	BTCR30409-6a	-105.3581	40.4194	Estes Park	Drake	40Ar/39Ar	Muscovite	1349	1		Shaw and others (1999)	Preferred/Plateau age. High iron biotite.
1603	Quartz-feldspar schist	Big Thompson Canyon	BTCR30409-6a	-105.3581	40.4194	Estes Park	Drake	40Ar/39Ar	Biotite	1282	1		Shaw and others (1999)	Preferred/Plateau age. High iron biotite.
1604	Micaceous schist	Big Thompson Canyon	BTCR30409-6b	-105.3603	40.4194	Estes Park	Drake	40Ar/39Ar	Muscovite	1368	2		Shaw and others (1999)	Preferred/Plateau age.
1605	Micaceous schist	Big Thompson Canyon	BTCR30409-6b	-105.3603	40.4194	Estes Park	Drake	40Ar/39Ar	Biotite	1343	1		Shaw and others (1999)	Preferred/Plateau age.
1606	Micaceous schist	Big Thompson Canyon	BTCR30409-5a	-105.3114	40.4303	Estes Park	Drake	40Ar/39Ar	Muscovite	1386	2		Shaw and others (1999)	Preferred/Plateau age. Low iron biotite.
1607	Micaceous schist	Big Thompson Canyon	BTCR30409-5a	-105.3114	40.4303	Estes Park	Drake	40Ar/39Ar	Biotite	1370	2		Shaw and others (1999)	Preferred/Plateau age. Low iron biotite.
1608	Amphibolite gneiss	Texas Creek area	7520-4	-105.5312604	38.431435	Canon City	Echo	40Ar/39Ar	Hornblende	1392	3	1392	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1609	Amphibolite gneiss	Hardscabble Creek area	KEK-2	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1355	5	1355	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1610	Amphibolite gneiss	Hardscabble Creek area	KEK-3a	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1342	6	1342	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1611	Amphibolite gneiss	Hardscabble Creek area	KEK-4a	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1357	8	1357	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1612	Amphibolite gneiss	Hardscabble Creek area	KEK-4b	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1369	7	1369	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1613	Amphibolite gneiss	Hardscabble Creek area	KEK-4c	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1365	7	1365	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1614	Amphibolite gneiss	Hardscabble Creek area	KEK-5b	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Biotite	1234	4	1234	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1615	Amphibolite gneiss	Hardscabble Creek area	KEK-6	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1344	7	1344	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1616	Amphibolite gneiss	Hardscabble Creek area	KEK-6	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Biotite	1402	4	1402	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1617	Amphibolite gneiss	Hardscabble Creek area	KEK-7b	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1356	10	1356	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1618	Amphibolite gneiss	Hardscabble Creek area	KEK-7c	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Hornblende	1338	4	1338	Siddoway and others (2000)	Weighted mean plateau age. Location approximate.
1619	Amphibolite gneiss	Hardscabble Creek area	KEK-7c	-105.1163889	38.131389	Canon City	Wetmore	40Ar/39Ar	Biotite	1282	4	1282	Siddoway and others (2000)	Total gas date. Location approximate.
1620	Granodiorite porphyry	Lincoln Porphyry	25T56	-106.1143747	39.350306	Leadville	Alma	Rb-Sr	Whole-rock	67	Not report	67	Simmons and Hedge (1978)	
1621	Porphyry	Evans Gulch Porphyry	31T55	-106.25	39.25	Leadville	Leadville North	Rb-Sr	Whole-rock	64	Not report	64	Simmons and Hedge (1978)	
1622	Quartz monzonite	Lyons quarry sill	75C88	-105.2961	40.2014	Estes Park	Lyons	Rb-Sr	Whole-rock	64	Not report		Simmons and Hedge (1978)	
1623	Hornblende-pyroxene monzonite	Empire stock	75CS67	-105.7195512	39.763214	Denver West	Empire	Rb-Sr	Whole-rock	65	Not report		Simmons and Hedge (1978)	
1624	Mafic monzonite	Caribou stock	75CS69	-105.5792	39.9828	Denver West	Nederland	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1625	Pyroxenite	Caribou stock	75CS70a	-105.5794	39.9825	Denver West	Nederland	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1626	Hornblendite	Caribou stock	75CS72a	-105.5861	39.9783	Denver West	Nederland	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1627	Quartz syenite	East of Burnt Mountain	75CS73	-105.4480251	40.075871	Estes Park	Gold Hill	Rb-Sr	Whole-rock	51	Not report		Simmons and Hedge (1978)	
1628	Leucocratic monzonite	Bostonite, near Lawson	75CS76	-105.6333	39.7603	Denver West	Empire	Rb-Sr	Whole-rock	65	Not report		Simmons and Hedge (1978)	
1629	Quartz syenite	Apex stock	75CS77a	-105.55	39.875	Denver West	Central City/ Nederland	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1630	Quartz-bearing monzonite	Eldora stock	75CS78	-105.5901126	39.948039	Denver West	Nederland	Rb-Sr	Whole-rock	59	Not report		Simmons and Hedge (1978)	
1631	Hornblende Latite	Dike south of Nederland	75-CS79	-105.5167	39.9558	Denver West	Nederland	Rb-Sr	Whole-rock	58	Not report		Simmons and Hedge (1978)	
1632	Quartz syenite	Stock on Fall River	75CS80	-105.5766275	39.781914	Denver West	Central City	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1633	Quartz monzonite	Swan Mountain sill	75CS86	-106.0388889	39.591111	Vail	Breckenridge	Rb-Sr	Whole-rock	44	Not report	44	Simmons and Hedge (1978)	
1634	Granodiorite	Empire stock	75CS88	-105.6697	39.7603	Denver West	Empire	Rb-Sr	Whole-rock	65	Not report		Simmons and Hedge (1978)	
1635	Leucocratic monzonite	Audubon-Albion stock	76CS100	-105.5911	40.0767	Estes Park	Ward	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1636	Bostonite	Wood Dike	76CS101	-105.592852	39.84081	Denver West	Central City	Rb-Sr	Whole-rock	58	Not report		Simmons and Hedge (1978)	
1637	Quartz-bearing monzonite	Eldora stock	76CS102	-105.5860159	39.949306	Denver West	Nederland	Rb-Sr	Whole-rock	59	Not report		Simmons and Hedge (1978)	
1638	Quartz-bearing monzonite	Eldora stock	76CS103	-105.6139624	39.950617	Denver West	Nederland	Rb-Sr	Whole-rock	59	Not report		Simmons and Hedge (1978)	
1639	Mafic monzonite	Table Mountain lava flow	76CS89	-105.2247	39.7797	Denver West	Golden	Rb-Sr	Whole-rock	64	Not report		Simmons and Hedge (1978)	
1640	Mafic monzonite	Table Mountain basalt lava flow	76CS90	-105.2231	39.7781	Denver West	Golden	Rb-Sr	Whole-rock	64	Not report		Simmons and Hedge (1978)	
1641	Mafic monzonite	Table Mountain basalt lava flow	76CS91	-105.2222	39.7769	Denver West	Golden	Rb-Sr	Whole-rock	64	Not report		Simmons and Hedge (1978)	
1642	Pyroxenite	Empire stock	76CS92	-105.7139	39.76	Denver West	Empire	Rb-Sr	Whole-rock	65	Not report		Simmons and Hedge (1978)	
1643	Mafic monzonite	Ralston dike	76CS93	-105.2422	39.8275	Denver West	Golden	Rb-Sr	Whole-rock	64	Not report		Simmons and Hedge (1978)	
1644	Mafic monzonite	Valmont dike	76CS94	-105.1903	40.0347	Estes Park	Niwot	Rb-Sr	Whole-rock	64	Not report		Simmons and Hedge (1978)	
1645	Mafic monzonite	Audubon-Albion stock	76CS96	-105.6147	40.0708	Estes Park	Ward	Rb-Sr	Whole-rock	66	Not report		Simmons and Hedge (1978)	
1646	Porphyritic monzonite	Audubon-Albion stock	76CS97	-105.6131	40.0531	Estes Park	Ward	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1647	Quartz-bearing monzonite	Audubon-Albion stock	76CS98	-105.5967	40.0897	Estes Park	Ward	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1648	Quartz-bearing monzonite	Audubon-Albion stock	76CS99	-105.6025	40.0794	Estes Park	Ward	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	

1649	Porphyry	Johnson Gulch Porphyry	90T53	-106.2217458	39.239537	Leadville	Climax	Rb-Sr	Whole-rock	67	Not report	67	Simmons and Hedge (1978)	
1650	Leucocratic monzonite	Boulder Creek pluton	BC-3	-105.4069535	40.058087	Estes Park	Gold Hill	Rb-Sr	Whole-rock	51	Not report		Simmons and Hedge (1978)	
1651	Quartz-bearing monzonite	Caribou stock	HMN-1	-105.5906	39.9964	Denver West	Nederland	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1652	Hornblende latite	Dike north of Eldora	HMN-10	-105.5611	39.9522	Denver West	Nederalnd	Rb-Sr	Whole-rock	58	Not report		Simmons and Hedge (1978)	
1653	Quartz-bearing monzonite	Eldora stock	Hmn-13	-105.5853	39.95	Denver West	Nederland	Rb-Sr	Whole-rock	59	Not report		Simmons and Hedge (1978)	
1654	Mafic monzonite	Caribou stock	HMN-2	-105.6025	39.9875	Denver West	Nederland	Rb-Sr	Whole-rock	58	Not report		Simmons and Hedge (1978)	
1655	Hornblendite	Caribou stock	HMN-3	-105.6025	39.9878	Denver West	Nederland	Rb-Sr	Whole-rock	58	Not report		Simmons and Hedge (1978)	
1656	Biotite latite	Dike south of Nederland	HMN-8	-105.5061	39.9578	Denver West	Nederland	Rb-Sr	Whole-rock	58	Not report		Simmons and Hedge (1978)	
1657	Quartz syenite	Apex stock	HMN-9	-105.5481	39.8958	Denver West	Nederland	Rb-Sr	Whole-rock	60	Not report		Simmons and Hedge (1978)	
1658	Kimberlite	Estes Park diatreme	Estes Park diatreme	-105.5200169	40.330766	Estes Park	Longs Peak	Rb-Sr	Phlogopite	386	9		Smith (1979)	Isochron.
1659	Volcanic ash	Browns Park Formation	2	-106.9161111	40.889722	Walden	Elkhorn Mountain	FT	Zircon	9	2.1	9.0 ± 2.1	Snyder (1980a)	Browns Park Formation.
1660	Volcanic ash	Browns Park Formation	16	-107.0427778	40.7575	Craig	Meaden Peak	FT	Zircon	9.2	1.7	9.2 ± 1.7	Snyder (1980a)	Browns Park Formation.
1661	Volcanic ash	Browns Park Formation	16	-107.0427778	40.7575	Craig	Meaden Peak	FT	Zircon	11.5	1.8	11.5 ± 1.8	Snyder (1980a)	Browns Park Formation.
1662	Volcanic ash	Browns Park Formation	16	-107.0427778	40.7575	Craig	Meaden Peak	FT	Zircon	15.4	2.6	15.8 ± 2.6	Snyder (1980a)	Browns Park Formation.
1663	Trachyandesite	Flow of North Park	4	-106.6422222	40.425278	Steamboat Springs	Mount Werner	FT	Zircon	17	1.5	17.0 ± 1.5	Snyder (1980b)	Analytical data not reported.
1664	Tuff	Browns Park Formation	7A	-106.7330556	40.373889	Steamboat Springs	Mount Werner	FT	Zircon	20.2	1.9	20.2 ± 1.9	Snyder (1980b)	Analytical data not reported.
1665	Quartz monzonite	Mount Ethel pluton	520	-106.7804	40.6485	Walden	Rocky Peak	Rb-Sr	Whole-rock	1439	50	1470 ± 50	Snyder and Hedge (1978)	Isochron based on 7 samples. (Sample 1 of 7).
1666	Granite	Mount Ethel pluton	521	-106.7482	40.6131	Walden	Floyd Peak	Rb-Sr	Whole-rock	1439	50	1470 ± 50	Snyder and Hedge (1978)	Isochron based on 7 samples. (Sample 2 of 7).
1667	Granite	Mount Ethel pluton	522	-106.7322	40.5231	Walden	Mount Ethel	Rb-Sr	Whole-rock	1439	50	1470 ± 50	Snyder and Hedge (1978)	Isochron based on 7 samples. (Sample 3 of 7).
1668	Quartz monzonite	Mount Ethel pluton	523	-106.6878	40.5043	Walden	Mount Ethel	Rb-Sr	Whole-rock	1439	50	1470 ± 50	Snyder and Hedge (1978)	Isochron based on 7 samples. (Sample 4 of 7).
1669	Quartz monzonite	Mount Ethel pluton	525	-106.7695	40.5743	Walden	Floyd Peak	Rb-Sr	Whole-rock	1439	50	1470 ± 50	Snyder and Hedge (1978)	Isochron based on 7 samples. (Sample 5 of 7).
1670	Quartz monzonite	Mount Ethel pluton	526	-106.7332	40.6412	Walden	Buffalo Pass	Rb-Sr	Whole-rock	1439	50	1470 ± 50	Snyder and Hedge (1978)	Isochron based on 7 samples. (Sample 6 of 7).
1671	Quartz monzonite	Mount Ethel pluton	527	-106.7509	40.6293	Walden	Rocky Peak	Rb-Sr	Whole-rock	1439	50	1470 ± 50	Snyder and Hedge (1978)	Isochron based on 7 samples. (Sample 7 of 7).
1672	Quartz monzonite	Buffalo Pass pluton	544	-106.7014	40.655	Walden	Buffalo Pass	Rb-Sr	Whole-rock	1762	100	1800 ± 100	Snyder and Hedge (1978)	Isochron based on 5 samples. (Sample 1 of 5).
1673	Quartz monzonite gneiss	Buffalo Pass pluton	550	-106.6542	40.61	Walden	Buffalo Pass	Rb-Sr	Whole-rock	1762	100	1800 ± 100	Snyder and Hedge (1978)	Isochron based on 5 samples. (Sample 2 of 5).
1674	Quartz monzonite gneiss	Buffalo Pass pluton	553	-106.67	40.48	Walden	Buffalo Pass	Rb-Sr	Whole-rock	1762	100	1800 ± 100	Snyder and Hedge (1978)	Isochron based on 5 samples. (Sample 3 of 5).
1675	Quartz monzonite	Buffalo Pass pluton	554	-106.7095	40.5315	Walden	Buffalo Pass	Rb-Sr	Whole-rock	1762	100	1800 ± 100	Snyder and Hedge (1978)	Isochron based on 5 samples. (Sample 4 of 5).
1676	Quartz monzonite	Buffalo Pass pluton	555	-106.7161	40.525	Walden	Buffalo Pass	Rb-Sr	Whole-rock	1762	100	1800 ± 100	Snyder and Hedge (1978)	Isochron based on 5 samples. (Sample 5 of 5).
1677	Feldspathic-biotite gneiss	Gneiss intruded by Buffalo Pass pluton	593	-106.6065	40.7495	Walden	Teal Lake	Rb-Sr	Whole-rock	1654	100	1690 ± 100	Snyder and Hedge (1978)	Isochron based on 3 samples. (Sample 1 of 3).
1678	Feldspathic-biotite gneiss	Gneiss intruded by Buffalo Pass pluton	616	-106.6625	40.5332	Walden	Buffalo Pass	Rb-Sr	Whole-rock	1654	100	1690 ± 100	Snyder and Hedge (1978)	Isochron based on 3 samples. (Sample 2 of 3).
1679	Feldspathic-biotite gneiss	Gneiss intruded by Buffalo Pass pluton	631	-106.6053873	40.749873	Walden	Pitchpine Mountain	Rb-Sr	Whole-rock	1654	100	1690 ± 100	Snyder and Hedge (1978)	Isochron based on 3 samples. (Sample 3 of 3).
1680	Syenite	McClure Mountain alkaline complex	MMhb-1	-105.4833333	38.35	Canon City	Iron Mountain	40Ar/39Ar	Hornblende	523.2	0.9	523.2	Spell and McDougall (2003)	Location approximate. Date calculated using GA-1550 as the primary standard.
1681	Mafic hornblende-bearing biotite quartz monzonite	Boulder Creek granodiorite	58GP1	-105.3925	40.07	Estes Park	Gold Hill	U-Pb	Zircon	1725	66		Stern and others (1971)	Concordia based on 6 samples.
1682	Hornblende-bearing leuco-quartz monzonite gneiss	Boulder Creek granodiorite	63GP15	-105.3661	40.0886	Estes Park	Boulder	U-Pb	Zircon	1725	66		Stern and others (1971)	Concordia based on 6 samples.
1683	Hornblende-bearing biotite quartz diorite	Boulder Creek granodiorite	63GP40	-105.3939	40.0392	Estes Park	Gold Hill	U-Pb	Zircon	1725	66		Stern and others (1971)	Concordia based on 6 samples.
1684	Muscovite-biotite granite	Dike intruding quartz diorite of Boulder Creek batholith	63GP-41	-105.3939	40.07	Estes Park	Gold Hill	U-Pb	Zircon	1415	66		Stern and others (1971)	
1685	Biotite granodiorite gneiss	Boulder Creek pluton	63GP99	-105.5033	40.0003	Estes Park	Ward	U-Pb	Zircon	1725	Not report		Stern and others (1971)	Concordia based on 6 samples.
1686	Leuco-quartz monzonite gneiss	Boulder Creek pluton	GP509	-105.3442	39.9364	Denver West	Eldorado Springs	U-Pb	Zircon	1725	Not report		Stern and others (1971)	One of 6 samples forming chord with upper intercept at 1725 Ma.
1687	Amphibolite inclusion in Boulder Creek	Boulder Creek pluton	GP721	-105.3651724	39.949857	Denver West	Eldorado Springs	U-Pb	Zircon	1725	Not report		Stern and others (1971)	One of 6 samples forming chord with upper intercept at 1725 Ma.
1688	Tuff	Fish Canyon Tuff	BC5793	-107.2713889	38.450278	Montrose	Sapinero	K/Ar	Biotite	27.5	2.7	26.8	Steven and others (1967)	Location approximate.
1689	Quartz latite	Fisher Quartz Latite, Fisher Mountain flow	Ds10	-106.9430556	37.684722	Del Norte	Spar City	K/Ar	Sanidine	28	0.8	27.3	Steven and others (1967)	
1690	Quartz latite	Fisher Quartz Latite, Fisher Mountain flow	Ds10	-106.9430556	37.684722	Del Norte	Spar City	K/Ar	Biotite	27	0.8	26.3	Steven and others (1967)	
1691	Quartz latite	Fisher Quartz Latite, Fisher Mountain flow	Ds10	-106.9430556	37.684722	Del Norte	Spar City	K/Ar	Hornblende	26.6	1.8	25.9	Steven and others (1967)	
1692	Quartz latite	Fisher Quartz Latite, Fisher Mountain flow	Ds10	-106.9430556	37.684722	Del Norte	Spar City	K/Ar	Plagioclase	26.6	1.8	25.9	Steven and others (1967)	
1693	Unnamed	Fish Canyon Tuff	Ds28	-106.6597222	37.810556	Del Norte	Pool Table Mountain	K/Ar	Biotite	28.4	0.8	27.7	Steven and others (1967)	
1694	Unnamed	Fish Canyon Tuff	Ds28	-106.6597222	37.810556	Del Norte	Pool Table Mountain	K/Ar	Sanidine	28.5	0.8	27.8	Steven and others (1967)	
1695	Unnamed	Fish Canyon Tuff	Ds28	-106.6597222	37.810556	Del Norte	Pool Table Mountain	K/Ar	Hornblende	27.2	1.9	26.5	Steven and others (1967)	
1696	Unnamed	Fish Canyon Tuff	Ds28	-106.6597222	37.810556	Del Norte	Pool Table Mountain	K/Ar	Plagioclase	28.1	1.9	27.4	Steven and others (1967)	
1697	Quartz latite	Summitville area	Ds29c	-106.5994444	37.4125	Antonito	Summitville	K/Ar	Biotite	20.8	0.8	20.3	Steven and others (1967)	Location from Marvin and others (1974).
1698	Quartz latite	Summitville area	Ds29c	-106.5994444	37.4125	Antonito	Summitville	K/Ar	Sanidine	19.7	0.8	19.2	Steven and others (1967)	Location from Marvin and others (1974).
1699	Quartz latite	Summitville area	Ds29c	-106.5994444	37.4125	Antonito	Summitville	K/Ar	Hornblende	20.8	0.8	20.3	Steven and others (1967)	Location from Marvin and others (1974).
1700	Quartz latite	Summitville area	Ds29c	-106.5994444	37.4125	Antonito	Summitville	K/Ar	Plagioclase	21.4	0.8	20.9	Steven and others (1967)	Location from Marvin and others (1974).
1701	Unnamed	La Garita Quartz Latite	S292	-106.8375	37.912778	Del Norte	Halfmoon Pass	K/Ar	Sanidine	28.6	0.8	27.9	Steven and others (1967)	
1702	Quartz latite	La Garita Quartz Latite	S318	-106.8883333	37.951667	Del Norte	San Luis Peak	K/Ar	Sanidine	28.4	0.8	27.7	Steven and others (1967)	
1703	Quartz latite	Fisher Quartz Latite, Fisher Mountain flow	S332	-106.95	37.678611	Del Norte	Spar City	K/Ar	Sanidine	27.2	1	26.5	Steven and others (1967)	
1704	Quartz latite	Fisher Quartz Latite, Copper Mountain flow	S333	-106.9041667	37.7	Del Norte	Spar City	K/Ar	Sanidine	27.5	1.4	26.8	Steven and others (1967)	
1705	Biotite gabbro	Spanish Peaks area	855-432	-105.0308374	37.237437	Alamosa	Stonewall	K/Ar	Biotite	24	1	23.4	Stormer (1972)	Location approximate.
1706	Syenodiorite lamprophyre	Spanish Peaks area	CSP-17	-105.0582433	37.348347	Alamosa	Cucharas Pass	K/Ar	Plagioclase	26.4	0.8	25.7	Stormer (1972)	
1707	Rhyolite tuff breccia	Possibly derived from Red Mountain center	No. 2, Table 1	-105.7775417	39.917832	Denver West	Fraser	K/Ar	Sanidine	29.8	3		Taylor and others (1968)	
1708	Rhyolite	Red Mountain plug	No. 3, Table 1	-105.8417	39.7667	Denver West	Berthoud Pass	K/Ar	Sanidine	27.7	3		Taylor and others (1968)	
1709	Rhyolite	Rabbit Ears Volcanics	1	-106.2080556	40.120833	Steamboat Springs	Parshall	K/Ar	Sanidine	33.9	3	33	Taylor and others (1968); Izett (1966)	Location approximate; good to 1/4 section.
1710	Porphyry	Sacramento porphyry	CSU-1	-106.2083333	39.2625	Leadville	Climax	FT	Zircon	43.9	4.3	43.9	Thompson and Arehart (1990)	
1711	Porphyry	Johnson Gulch Porphyry	CSU-10	-106.2276705	39.236085	Leadville	Mount Sherman	FT	Zircon	31.6	5.2	31.6	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1712	Porphyry	Johnson Gulch Porphyry	CSU-11	-106.2276689	39.23599	Leadville	Mount Sherman	FT	Zircon	28.8	4.2	28.8	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1713	Porphyry	Johnson Gulch Porphyry	CSU-3	-106.225	39.225	Leadville	Mount Sherman	FT	Zircon	30.3	5	30.3	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1714	Porphyry	Johnson Gulch Porphyry	CSU-4	-106.225	39.225	Leadville	Mount Sherman	FT	Zircon	32	5	32	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1715	Porphyry	Johnson Gulch Porphyry	CSU-5	-106.225	39.225	Leadville	Mount Sherman	FT	Zircon	34	5.4	34	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1716	Porphyry	Johnson Gulch Porphyry	CSU-6	-106.225	39.225	Leadville	Mount Sherman	FT	Zircon	33.8	6.4	33.8	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1717	Porphyry	Johnson Gulch Porphyry	CSU-7	-106.225	39.225	Leadville	Mount Sherman	FT	Zircon	32	5.4	32	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1718	Porphyry	Johnson Gulch Porphyry	CSU-8	-106.225	39.225	Leadville	Mount Sherman	FT	Zircon	38.3	6	38.3	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1719	Porphyry	Johnson Gulch Porphyry	CSU-9	-106.225	39.225	Leadville	Mount Sherman	FT	Zircon	37.7	5.6	37.7	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1720	Porphyry	Johnson Gulch Porphyry	FT-4	-106.2269314	39.237431	Leadville	Mount Sherman	FT	Apatite	24.6	12	24.6	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1721	Porphyry	Johnson Gulch Porphyry	FT-4	-106.2270523	39.237334	Leadville	Mount Sherman	FT	Zircon	35.5	4.5	35.5	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1722	Porphyry	Johnson Gulch Porphyry	FT-6	-106.2270523	39.237334	Leadville	Mount Sherman	FT	Zircon	34	3.9	34	Thompson and Arehart (1990)	Location from Wallace (1993, 1995).
1723	Granodiorite porphyry	Lincoln Porphyry	T-2	-106.2732	39.3483	Leadville	Leadville North	FT	Zircon	38.2	3.5	38.2	Thompson and Arehart (1990)	
1724	Basalt	Block of Servilleta Formation in landslide debris at San Pedro Me	77LRG107	-105.5008333	36.999167	Alamosa	Costilla	K/Ar	Whole-rock	4.3	0.8	4.3	Thompson and Machette (1989)	Block of Servilleta Formation in landslide debris at San Pedro Mesa.
1725	Quartz monzonite	Stock of South Piñon Hills	KA 71-52	-105.7975	37.073056	Alamosa	Kiowa Hill	K/Ar	Biotite	29.2	0.6	29.2	Thompson and Machette (1989)	
1726	Quartz monzonite	Stock of South Piñon Hills	KA 71-52	-105.7975	37.073056	Alamosa	Kiowa Hill	K/Ar	Biotite	28.9	0.6	28.9	Thompson and Machette (1989)	
1727	Dacite	Stock in Fairy Hills	SP-11-2	-105.74	37.202222	Alamosa	Mesita Reservoir	K/Ar	Biotite	29.1	1.8	29.1	Thompson and Machette (1989)	
1728	Dacite	Stock in Fairy Hills	SP-11-2	-105.74	37.202222	Alamosa	Mesita Reservoir	FT	Sphene	30.9	2.4	30.9	Thompson and Machette (1989)	
1729	Dacite	Stock in Fairy Hills	SP-11-2	-105.74	37.202222	Alamosa	Mesita Reservoir	FT	Zircon	28.4	1.5	28.4	Thompson and Machette (1989)	
1730	Dacite	Dike in Fairy Hills	SP-11-8	-105.7435651	37.207889	Alamosa	Mesita Reservoir	K/Ar	Hornblende	28.9	1.5	28.9	Thompson and Machette (1989)	
1731	Dacite	Dike in Fairy Hills	SP-11-8	-105.7437141	37.207888	Alamosa	Mesita Reservoir	K/Ar	Biotite	26	2.7	26	Thompson and Machette (1989)	
1732	Dacite	Dike in Fairy Hills	SP-11-8	-105.7438655	37.208125	Alamosa	Mesita Reservoir	FT	Zircon	25.6	1.5	25.6	Thompson and Machette (1989)	
1733	Dacite	Dike in Fairy Hills	SP-11-8	-105.7437165	37.208126	Alamosa	Mesita Reservoir	FT	Sphene	25.3	3.2	25.3	Thompson and Machette (1989)	
1734	Quartz-alunite replacement vein	Fairy Hills	SP-231	-105.7575	37.184444	Alamosa	Manassa NE	K/Ar	Alunite	25.1	1	25.1	Thompson and Machette (1989)	
1735	Basalt	Flow at South Piñon Hills	T84089	-105.8177778	37.0375	Alamosa	Kiowa Hill	K/Ar	Whole-rock	25.7	1.8	25.7	Thompson and Machette (1989)	
1736	Basalt	Flow at Flat Top	T84098	-105.7977778	37.190556	Alamosa	Manassa NE	K/Ar	Whole-rock	26.4	1.2	26.4	Thompson and Machette (1989)	
1737	Andesite	Flow at Flat Top	T84150	-105.8169444	37.205278	Alamosa	Manassa NE	K/Ar	Whole-rock	26.1	1.2	26.1	Thompson and Machette (1989)	
1738	Basalt	Flow at Piñon Hills	T84163	-105.8230556	37.14	Alamosa	Manassa NE	K/Ar	Whole-rock	26	1.1	26	Thompson and Machette (1989)	
1739	Quartz monzonite	Mount Aetna stock	7435	-106.3266132	38.573489	Gunnison	Garfield	K/Ar	Hornblende	37.2	1.7	37.2	Toulmin and Hammarstrom (1990)	
1740	Quartz monzonite	Mount Aetna stock	7435	-106.326765	38.573488	Gunnison	Garfield	K/Ar	Biotite	36	1.1	36	Toulmin and Hammarstrom (1990)	
1741	Quartz monzonite	Mount Aetna stock	7435	-106.3269191	38.573605	Gunnison	Garfield	40Ar/39Ar	Hornblende	36.1	0.3	36.1	Toulmin and Hammarstrom (1990)	Plateau age.
1742	Quartz monzonite	Mount Aetna stock	7435	-106.3272205	38.573482	Gunnison	Garfield	40Ar/39Ar	Biotite	34	0.3	34	Toulmin and Hammarstrom (1990)	Plateau age.
1743	Quartz monzonite	Mount Princeton pluton	7438	-106.241882	38.714591	Gunnison	Mount Antero	40Ar/39Ar	Hornblende	36.3	0.3	36.3	Toulmin and Hammarstrom (1990)	Preferred age based on high-temperature steps in Ar-release spectrum; no distinct plateau.
1744	Quartz monzonite	Mount Princeton pluton	7438	-106.241882	38.714591	Gunnison	Mount Antero	40Ar/39Ar	Orthoclase	29	Not report	29	Toulmin and Hammarstrom (1990)	Approximate cooling age.
1745	Quartz monzonite	Mount Princeton pluton	7438	-106.241882	38.714591	Gunnison	Mount Antero	K/Ar	Biotite	36.6	1.1	36.6	Toulmin and Hammarstrom (1990)	
1746	Quartz monzonite	Mount Princeton pluton	7438	-106.241882	38.714591	Gunnison	Mount Antero	K/Ar	Hornblende	34.8	1.7	34.8	Toulmin and Hammarstrom (1990)	
1747	Quartz diorite	Monarch Pass	7457	-106.2500555	38.571601	Gunnison	Maysville	K/Ar	Hornblende	115	6	115	Toulmin and Hammarstrom (1990)	
1748	Quartz diorite	Monarch Pass	7457	-106.2500555	38.571601	Gunnison	Maysville	K/Ar	Biotite	46.3	1.4	46.3	Toulmin and Hammarstrom (1990)	
1749	Quartz monzonite	Mount Princeton pluton	7569	-106.4022778	38.632528	Gunnison	Cumberland Pass	40Ar/39Ar	Hornblende	37.1	0.3	37.1	Toulmin and Hammarstrom (1990)	Preferred age based on high-temperature steps in Ar-release spectrum; no distinct plateau.
1750	Quartz monzonite	Mount Princeton pluton	7569	-106.4022778	38.632528	Gunnison	Cumberland Pass	40Ar/39Ar	Biotite	34.4	0.3	34.4	Toulmin and Hammarstrom (1990)	Total gas age.
1751	Quartz monzonite	Mount Princeton pluton	7569	-106.4022778	38.632528	Gunnison	Cumberland Pass	K/Ar	Hornblende	41.1	1.2	41.1	Toulmin and Hammarstrom (1990)	
1752	Quartz monzonite	Mount Princeton pluton	7569	-106.4022778	38.632528	Gunnison	Cumberland Pass	K/Ar	Biotite	34.8	0.8	34.8	Toulmin and Hammarstrom (1990)	
1753	Quartz monzonite	Mount Princeton pluton	7570	-106.3969444	38.62825	Gunnison	Cumberland Pass	40Ar/39Ar	Hornblende	36.4	Not report	36.4	Toulmin and Hammarstrom (1990)	Total gas age.
1754	Quartz monzonite	Mount Princeton pluton	7570	-106.3969444	38.62825	Gunnison	Cumberland Pass	40Ar/39Ar	Biotite	34.5	0.3	34.5	Toulmin and Hammarstrom (1990)	Total gas age.
1755	Quartz monzonite	Mount Princeton pluton	7570	-106.3969444	38.62825	Gunnison	Cumberland Pass	40Ar/39Ar	Orthoclase	34	Not report	34	Toulmin and Hammarstrom (1990)	Approximate cooling age.
1756	Quartz monzonite	Mount Princeton pluton	7570	-106.3969444	38.62825	Gunnison	Cumberland Pass	K/Ar	Hornblende	36.9	1.1	36.9	Toulmin and Hammarstrom (1990)	
1757	Quartz monzonite	Mount Princeton pluton	7570	-106.3969444	38.62825	Gunnison	Cumberland Pass	K/Ar	Biotite	34.5	0.8	34.5	Toulmin and Hammarstrom (1990)	
1758	Quartz monzonite	Mount Princeton pluton	7574	-106.2667752	38.80695	Gunnison	Mount Yale	40Ar/39Ar	Hornblende	35.4	0.3	35.4	Toulmin and Hammarstrom (1990)	Preferred age based on high-temperature steps in Ar-release spectrum; no distinct plateau.
1759	Quartz monzonite	Mount Princeton pluton	7574	-106.2668953	38.806854	Gunnison	Mount Yale	40Ar/39Ar	Biotite	34.6	0.3	34.6	Toulmin and Hammarstrom (1990)	Plateau age.
1760	Quartz monzonite	Mount Princeton pluton	7574	-106.2666516	38.806856	Gunnison	Mount Yale	40Ar/39Ar	Orthoclase	32	Not report	32	Toulmin and Hammarstrom (1990)	Approximate cooling age.
1761	Ash-flow tuff	Sewanee Peak Volcanics	7723	-106.32175	38.591694	Gunnison	Garfield	K/Ar	Biotite	33.9	Not report	33.9	Toulmin and Hammarstrom (1990)	
1762	Ash-flow tuff	Sewanee Peak Volcanics	7723	-106.32175	38.591694	Gunnison	Garfield	40Ar/39Ar	Hornblende	35.7	0.3	35.7	Toulmin and Hammarstrom (1990)	Preferred age based on high-temperature steps in Ar-release spectrum; no distinct plateau.
1763	Ash-flow tuff	Sewanee Peak Volcanics	7723	-106.32175	38.591694	Gunnison	Garfield	40Ar/39Ar	Biotite	33.6	0.3	33.6	Toulmin and Hammarstrom (1990)	Total gas age.
1764	Granite	Hoffman Park Granite	7788	-106.3146111	38.577861	Gunnison	Garfield	K/Ar	Biotite	33.2	0.7	33.2	Toulmin and Hammarstrom (1990)	
1765	Quartz monzonite	Mount Princeton pluton	64B76	-106.3371433	38.766385	Gunnison	Mount Yale	K/Ar	Biotite	34.9	1	34.9	Toulmin and Hammarstrom (1990)	Location not given in text; provided by P. Toulmin, 2007, written communication.
1766	Quartz monzonite	Mount Princeton pluton	64B76	-106.3371433	38.766385	Gunnison	Mount Yale	K/Ar	Hornblende	41.1	0.9	41.1	Toulmin and Hammarstrom (1990)	Location not given in text; provided by P. Toulmin, 2007, written communication.
1767	Granite	Cross Creek pluton		-106.5013889	39.516667	Vail	Grouse Mountain	Rb-Sr	Whole-rock	1658	Not report	1710	Tweto and Lovering (1977)	Isochron based on 6 samples. Location from Wallace (1993, 1995).
1768	Quartz latite	Mount Champion area	MM-01	-106.5464906	39.12321	Leadville	Independence Pass	K/Ar	Biotite	65.4	2.4	65.4	Van Loenen and others (1989)	Location from Wallace (1993, 1995).
1769	Unnamed	Halfmoon Creek stock	MM-12	-106.5026851	39.137724	Leadville	Mount Massive	K/Ar	Biotite	44.3	1.6	44.3	Van Loenen and others (1989)	Location from Wallace (1993, 1995). Intensely altered.
1770	Quartz latite	West of Leadville	MM-35	-106.4934348	39.208067	Leadville	Mount Massive	K/Ar	Biotite	63.9	2.3	63.9	Van Loenen and others (1989)	Location from Wallace (1993, 1995).
1771	Unnamed	Halfmoon Creek stock	MM-90	-106.5038889	39.136667	Leadville	Mount Massive	K/Ar	Biotite	54.4	2	54.4	Van Loenen and others (1989)	Location from Wallace (1993, 1995). Intensely altered.
1772	Granite	Pluton of Wilson Park	BR-1	-105.3102778	38.583889	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1686	50	1722 ± 50	Vera and Van Schmus (1974)	Average of 4 model ages (initial 87Sr/86Sr=0.705) of highly radiogenic samples. (Sample 1 of 4) Fourth sample on Canon City 1:100,000 quadrangle.
1773	Quartz monzonite	Crampton Mountain pluton	BR-10	-105.3077778	38.556389	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 5 of 8) Other samples on Canon City 1:100,000 quadrangle.
1774	Pegmatite	Intrudes pluton of Wilson Park	BR-13	-105.3083333	38.5625	Pikes Peak	Rice Mountain	Rb-Sr	K-feldspar	1538	Not report	1571	Vera and Van Schmus (1974)	Model age; initial 87Sr/86Sr=0.705.
1775	Pegmatite	Intrudes pluton of Wilson Park	BR-13	-105.3083333	38.5625	Pikes Peak	Rice Mountain	Rb-Sr	Muscovite	1481	Not report	1513	Vera and Van Schmus (1974)	Model age; initial 87Sr/86Sr=0.705.
1776	Quartz monzonite	Pluton of Wilson Park	BR-14A	-105.305	38.584167	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 6 of 8) Other samples on Canon City 1:100,000 quadrangle.
1777	Quartz monzonite	Crampton Mountain pluton	BR-14A	-105.305	38.584167	Pikes Peak	Rice Mountain	Rb-Sr	Plagioclase, K-feldspar, muscovite, whol	1400	50	1430 ± 50	Vera and Van Schmus (1974)	Mineral whole rock isochron "normalized" with similar isochron from sample BR-19A (on Canon City 1:100,000 quadrangle). Approximate time of metamorphism.
1778	Granite	Crampton Mountain pluton	BR-15	-105.2997222	38.581944	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1686	50	1722 ± 50	Vera and Van Schmus (1974)	Average of 4 model ages (initial 87Sr/86Sr=0.705) of highly radiogenic samples. (Sample 3 of 4) Fourth sample on Canon City 1:100,000 quadrangle.
1779	Quartz monzonite	Crampton Mountain pluton	BR-17	-105.3288889	38.488333	Canon City	Royal Gorge	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 1 of 8) Other samples on Pikes Peak 1:100,000 quadrangle. Location approximate.
1780	Granite	Crampton Mountain pluton	BR-18	-105.3288889	38.488333	Canon City	Royal Gorge	Rb-Sr	Whole-rock	1686	50	1722 ± 50	Vera and Van Schmus (1974)	Average of 4 model ages (initial 87Sr/86Sr=0.705) of highly radiogenic samples. (Sample 4 of 4). Other samples on Pikes Peak 1:100,000 quadrangle. Locations approximate.
1781	Quartz monzonite	Crampton Mountain pluton	BR-19A	-105.3097222	38.496389	Canon City	Royal Gorge	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 2 of 8) Other samples on Pikes Peak 1:100,000 quadrangle. Location approximate.
1782	Quartz monzonite	Crampton Mountain pluton	BR-19A	-105.3097222	38.496389	Canon City	Royal Gorge	Rb-Sr	Plagioclase, K-feldspar, muscovite, whol	1400	50	1430 ± 50	Vera and Van Schmus (1974)	Mineral/whole-rock isochron "normalized" with similar isochron from sample BR-14A (on Pikes Peak 1:100,000 quadrangle). Approximate time of metamorphism. Location approximate.
1783	Quartz monzonite	Pluton of Wilson Park	BR-19B	-105.3097222	38.496389	Canon City	Royal Gorge	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 3 of 8) Other samples on Pikes Peak 1:100,000 quadrangle. Location approximate.
1784	Granite	Pluton of Wilson Park	BR-2	-105.3102778	38.583889	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1686	50	1722 ± 50	Vera and Van Schmus (1974)	Average of 4 model ages (initial 87Sr/86Sr=0.705) of highly radiogenic samples. (Sample 2 of 4) Fourth sample on Canon City 1:100,000 quadrangle.
1785	Quartz monzonite	Crampton Mountain pluton	BR-21	-105.2994444	38.555	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 7 of 8) Other samples on Canon City 1:100,000 quadrangle.
1786	Quartz monzonite	Crampton Mountain pluton	BR-22	-105.3027778	38.557778	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 8 of 8) Other samples on Canon City 1:100,000 quadrangle.
1787	Pegmatite	Intrudes pluton of Wilson Park	BR-3	-105.3102778	38.583889	Pikes Peak	Rice Mountain	Rb-Sr	K-feldspar	1590	Not report	1624	Vera and Van Schmus (1974)	Model age; initial 87Sr/86Sr=0.705.
1788	Pegmatite	Intrudes pluton of Wilson Park	BR-3	-105.3102778	38.583889	Pikes Peak	Rice Mountain	Rb-Sr	Muscovite	1363	Not report	1392	Vera and Van Schmus (1974)	Model age; initial 87Sr/86Sr=0.705.
1789	Pegmatite	Intrudes Wilson Park quartzite	BR-5	-105.2972222	38.570556	Pikes Peak	Rice Mountain	Rb-Sr	K-feldspar	1514	Not report	1547	Vera and Van Schmus (1974)	Model age; initial 87Sr/86Sr=0.705.
1790	Pegmatite	Intrudes Wilson Park quartzite	BR-5	-105.2972222	38.570556	Pikes Peak	Rice Mountain	Rb-Sr	Muscovite	1374	Not report	1404	Vera and Van Schmus (1974)	Model age; initial 87Sr/86Sr=0.705.
1791	Quartz monzonite	Crampton Mountain pluton	BR-8	-105.3027778	38.558056	Pikes Peak	Rice Mountain	Rb-Sr	Whole-rock	1743	66	1781 ± 66	Vera and Van Schmus (1974)	Isochron based on 8 samples. (Sample 4 of 8) Other samples on Canon City 1:100,000 quadrangle.
1792	Biotite rhyolite porphyry	Climax	1619-600	-106.1634098	39.372956	Leadville	Climax	FT	Zircon	26.1	1.2	26.1 ± 1.2	Wallace (1993), (1995)	
1793	Granite	Climax	1650-525	-106.1634098	39.372956	Leadville	Climax	FT	Zircon	18.2	0.9	18.2	Wallace (1993), (1995)	
1794	Altered rhyolite porphyry	Climax "Central Mass"	1683-623	-106.1634098	39.372956	Leadville	Climax	FT	Zircon	23.3	1.1	23.3 ± 1.1	Wallace (1993), (1995)	
1795	Rhyolite	Ash in Troublesome Formation	65G57	-106.2986111	40.033333	Steamboat Springs	Junction Butte	FT	Zircon	12.8	2.3	13	Wallace (1993), (1995)	
1796	Granodiorite porphyry	Lincoln Porphyry	66-281	-106.1634098	39.372956	Leadville	Climax	K/Ar	Biotite	30.8	2	30.8	Wallace (1993), (1995)	
1797	Granodiorite porphyry	Lincoln Porphyry	66-282	-106.1458333	39.375	Leadville	Copper Mountain	K/Ar	Biotite	29.8	2	29.8	Wallace (1993), (1995)	
1798	Granodiorite porphyry	Lincoln Porphyry	66-283	-106.1416667	39.377778	Leadville	Copper Mountain	K/Ar	Biotite	51.3	5	51.3	Wallace (1993), (1995)	
1799	Porphyry	Elk Mountain porphyry	67-1	-106.1692528	39.457646	Leadville	Copper Mountain	K/Ar	Biotite	37.6	1.6	37.6	Wallace (1993), (1995)	
1800	Granodiorite porphyry	Lincoln Porphyry	67-2	-106.1730084	39.457879	Leadville	Copper Mountain	K/Ar	Biotite	41	2.1	41	Wallace (1993), (1995)	
1801	Rhyolite porphyry	Climax, late rhyolite porphyry	76-15	-106.1634098	39.372956	Leadville	Climax	FT	Zircon	25.5	1.2	25.5 ± 1.2	Wallace (1993), (1995)	
1802	Rhyolite porphyry	Climax, rhyolite porphyry	77-821	-106.1634098	39.372956	Leadville	Climax	FT	Zircon	33.2	2.1	33.2	Wallace (1993), (1995)	
1803	Monzogranite	Treasure Vault stock	83P100	-106.5213889	39.409167	Leadville	Mount Jackson	FT	Apatite	52	15.7	52	Wallace (1993), (1995)	
1804	Monzogranite	Treasure Vault stock	83P100	-106.5213889	39.409167	Leadville	Mount Jackson	FT	Zircon	69.4	7.2	69.4	Wallace (1993), (1995)	
1805	Porphyry	Elk Mountain porphyry	87N12	-106.2136233	39.401525	Leadville	Copper Mountain	FT	Apatite	41.9	9.5	41.9	Wallace (1993), (1995)	
1806	Porphyry	Elk Mountain porphyry	87N12	-106.2136233	39.401525	Leadville	Copper Mountain	FT	Zircon	50.9	5.2	50.9	Wallace (1993), (1995)	
1807	Porphyry	Quail Porphyry	87N13	-106.2037483	39.418937	Leadville	Copper Mountain	FT	Apatite	41.6	10.4	41.6	Wallace (1993), (1995)	
1808	Porphyry	Quail Porphyry	87N13	-106.2037483	39.418937	Leadville	Copper Mountain	FT	Zircon	44.4	5.3	44.4	Wallace (1993), (1995)	
1809	Porphyry	Quail Porphyry	87N14	-106.204026	39.418103	Leadville	Copper Mountain	FT	Zircon	40.4	4.5	40.4	Wallace (1993), (1995)	
1810	Porphyry	Quail Porphyry	87N14	-106.204026	39.418103	Leadville	Copper Mountain	FT	Apatite	46.1	8.2	46.1	Wallace (1993), (1995)	
1811	Granodiorite porphyry	Lincoln Porphyry	87N15	-106.1902778	39.423056	Leadville	Copper Mountain	FT	Zircon	40.1	3.9	40.1	Wallace (1993), (1995)	
1812	Granodiorite porphyry	Lincoln Porphyry	87N15	-106.1902778	39.423056	Leadville	Copper Mountain	FT	Apatite	48.6	6.6	48.6	Wallace (1993), (1995)	
1813	Porphyry	Elk Mountain porphyry	87N16	-106.1976802	39.419053	Leadville	Copper Mountain	FT	Zircon	37.6	3.7	37.6	Wallace (1993), (1995)	

1814	Porphyry	Elk Mountain porphyry	87N16	-106.1976802	39.419053	Leadville	Copper Mountain	FT	Apatite	51.5	12.3	51.5	Wallace (1993), (1995)	
1815	Quartz latite	Stock of Tucker Mountain	90N1	-106.1697222	39.455	Leadville	Copper Mountain	FT	Zircon	38.3	4.4	38.3	Wallace (1993), (1995)	
1816	Quartz monzonite	Stock of Tucker Mountain	90N2	-106.1686826	39.459133	Leadville	Copper Mountain	FT	Apatite	36.7	3.8	36.7	Wallace (1993), (1995)	
1817	Quartz monzonite	Stock of Tucker Mountain	90N2	-106.1686826	39.459133	Leadville	Copper Mountain	FT	Zircon	41.8	3	41.8	Wallace (1993), (1995)	
1818	Rhyolite porphyry	Stock of Tucker Mountain	90N3	-106.171536	39.451062	Leadville	Copper Mountain	FT	Zircon	39.5	4.5	39.5	Wallace (1993), (1995)	
1819	Granodiorite porphyry	Lincoln Porphyry	90N4	-106.1927966	39.434007	Leadville	Copper Mountain	FT	Apatite	36.7	3.9	36.7	Wallace (1993), (1995)	
1820	Granodiorite porphyry	Lincoln Porphyry	90N4	-106.1927966	39.434007	Leadville	Copper Mountain	FT	Zircon	41.5	3.7	41.5	Wallace (1993), (1995)	
1821	Porphyry	Quail Porphyry	90N5	-106.2020816	39.418937	Leadville	Copper Mountain	FT	Apatite	45.3	8.3	45.3	Wallace (1993), (1995)	
1822	Porphyry	Quail Porphyry	90N5	-106.2020816	39.418937	Leadville	Copper Mountain	FT	Zircon	51	5.1	51	Wallace (1993), (1995)	
1823	Granite	Precambrian granite at Climax mine	B-230	-106.1634098	39.372956	Leadville	Climax	K/Ar	Biotite	74.9	2.3	74.9	Wallace (1993), (1995)	
1824	Granite	Precambrian granite at Climax mine	B-232	-106.1634098	39.372956	Leadville	Climax	K/Ar	Biotite	96.4	2.9	96.4	Wallace (1993), (1995)	
1825	Porphyry	Johnson Gulch Porphyry	FT-10	-106.2249544	39.230683	Leadville	Mount Sherman	FT	Apatite	43.1	7.6	43.1	Wallace (1993), (1995)	
1826	Porphyry	Johnson Gulch Porphyry	FT-10	-106.2247059	39.230495	Leadville	Mount Sherman	FT	Zircon	43.1	4.3	43.1	Wallace (1993), (1995)	
1827	Quartz monzonite	Mount Bellview quartz monzonite	MB-4	-107.0186111	39.016389	Carbondale	Snowmass Mountain	K/Ar	Biotite (?)	24.2	1.4	24.2	Wallace (1993), (1995)	
1828	Quartz latite	Pando Porphyry	MM-54	-106.5286111	39.161111	Leadville	Mount Champion	K/Ar	Biotite	399	15	399	Wallace (1993), (1995)	Too old; excess radiogenic argon or Proterozoic xenocrysts.
1829	Granite	Cross Creek pluton	W3122	-106.5333333	39.483333	Leadville	Mount Jackson	FT	Apatite	55.9	20	55.9	Wallace (1993), (1995)	
1830	Diorite	West Cross Creek diorite	W3123	-106.5375	39.427778	Leadville	Mount Jackson	FT	Apatite	51.1	11	51.1	Wallace (1993), (1995)	
1831	Migmatite	Holy Cross area	W3124	-106.5625	39.459722	Leadville	Mount Jackson	FT	Apatite	65.9	23	65.9	Wallace (1993), (1995)	
1832	Unnamed	Fulford stock	W3125	-106.6166667	39.530556	Vail	Fulford	FT	Apatite	43.1	10	43.1	Wallace (1993), (1995)	
1833	Porphyry	Johnson Gulch Porphyry		-106.2375	39.233333	Leadville	Mount Sherman	K/Ar	Sericite	39.6	1.7	39.6	Wallace (1993), (1995)	
1834	Latite	Timberline Lake breccia		-106.4777778	39.291667	Leadville	Homestake Reservoir	K/Ar	Sericite	35.9	1.2	35.9	Wallace (1993), (1995)	
1835	Monzogranite	Treasure Vault stock		-106.1666667	39.3	Leadville	Climax	K/Ar	Biotite (?)	1430	45	1430	Wallace (1993), (1995)	
1836	Porphyry	Turquoise Lake Porphyry		-106.4028824	39.277893	Leadville	Homestake Reservoir	K/Ar	Sericite	35.6	1.4	35.6	Wallace (1993), (1995)	
1837	Quartz monzonite	Buckskin Gulch stock		-106.1255556	39.316667	Leadville	Climax	K/Ar	Biotite	71.4	2.4	71.4	Wallace (1993), (1995)	
1838	Trachyte	Green Mountain trachyte dike		-106.3268593	39.866836	Vail	Mount Powell	FT	Zircon	29.9	2.4	29.9	Wallace (1993), (1995)	
1839	Granite	Henry Mountain pluton	A38G-II	-106.636882	38.464912	Saguache	Doyleville	Rb-Sr	Plagioclase, K-feldspar, muscovite, whol	1248	30	1275 ± 30	Wetherill and Bickford (1965)	Whole-rock/mineral isochron. Location approximate.
1840	Granite	Henry Mountain pluton	A38G-II	-106.636882	38.464912	Saguache	Doyleville	Rb-Sr	Whole-rock	1615	35	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 4 of 13) Other samples on Gunnison, Montrose, Leadville, and Vail 1:100,000 quadrangles. Location approximate.
1841	Pegmatite wall rock	Brown Derby area	CO-1	-106.6608333	38.549722	Gunnison	Parlin	Rb-Sr	Whole-rock	1365	Not report	1395	Wetherill and Bickford (1965)	Model age.
1842	Pegmatite wall rock	Brown Derby area	CO-1	-106.6608333	38.549722	Gunnison	Parlin	Rb-Sr	Muscovite	1224	Not report	1250	Wetherill and Bickford (1965)	Model age.
1843	Pegmatite	Brown Derby area	CO-16	-106.6277778	38.582778	Gunnison	Parlin	Rb-Sr	Muscovite	1386	Not report	1416	Wetherill and Bickford (1965)	Model age. Location approximate.
1844	Pegmatite	Brown Derby area	CO-16	-106.6277778	38.582778	Gunnison	Parlin	Rb-Sr	Biotite	1434	Not report	1465	Wetherill and Bickford (1965)	Model age. Location approximate.
1845	Pegmatite	Brown Derby area	CO-16	-106.6277778	38.582778	Gunnison	Parlin	Rb-Sr	Biotite (replicate)	1404	Not report	1434	Wetherill and Bickford (1965)	Model age. Location approximate.
1846	Pegmatite	Brown Derby area	CO-16	-106.6277778	38.582778	Gunnison	Parlin	Rb-Sr	Biotite (replicate)	1413	Not report	1444	Wetherill and Bickford (1965)	Model age. Location approximate.
1847	Pegmatite	Brown Derby area	CO-16	-106.6277778	38.582778	Gunnison	Parlin	Rb-Sr	K-feldspar	1403	Not report	1433	Wetherill and Bickford (1965)	Model age. Location approximate.
1848	Pegmatite	Brown Derby area	CO-2	-106.6625	38.5525	Gunnison	Parlin	Rb-Sr	Biotite	1337	Not report	1366	Wetherill and Bickford (1965)	Model age.
1849	Pegmatite	Brown Derby area	CO-2	-106.6625	38.5525	Gunnison	Parlin	Rb-Sr	K-feldspar	1407	Not report	1437	Wetherill and Bickford (1965)	Model age.
1850	Granite	Henry Mountain pluton	CO-20	-106.6503676	38.540941	Gunnison	Parlin	Rb-Sr	Apatite, plagioclase, muscovite, biotite	1360	20	1384 ± 20	Wetherill and Bickford (1965)	Mineral isochron.
1851	Granite	Henry Mountain pluton	CO-20	-106.6503676	38.540941	Gunnison	Parlin	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 1 of 13). Other samples on Saguache, Montrose, Leadville, and Vail 1:100,000 quadrangles.
1852	Granitic gneiss	Red Cliff area	CO-36	-106.3777778	39.505556	Vail	Red Cliff	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 13 of 13). Other samples on Gunnison, Saguache, Montrose, and Leadville 1:100,000 quadrangles. Location from Wallace (1993, 1995).
1853	Granite	Cross Creek pluton dike	CO-37	-106.3708333	39.491667	Leadville	Pando	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 12 of 13). Other samples on Gunnison, Saguache, Montrose, and Vail 1:100,000 quadrangles. Location from Wallace (1993, 1995).
1854	Granite	Big Union pluton	CO-38	-106.2847222	39.083333	Leadville	Granite	Rb-Sr	Whole-rock	1420	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 11 of 13). Other samples on Gunnison, Saguache, Montrose, and Vail 1:100,000 quadrangles. Location from Wallace (1993, 1995).
1855	Granite	Denny Creek pluton (?)	CO-42	-106.5733777	39.112564	Leadville	Independence Pass	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 10 of 13). Other samples on Gunnison, Saguache, Montrose, and Vail 1:100,000 quadrangles. Location and recalcultated age from Fridrich and others (1991).
1856	Granodiorite	Monarch Pass	CO-55	-106.3519444	38.449722	Saguache	Pahlone Peak	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 5 of 13). Other samples on Gunnison, Montrose, Leadville, and Vail 1:100,000 quadrangles. Location approximate.
1857	Granite	Near Sargents	CO-58	-106.4944444	38.4025	Saguache	Sargents	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 6 of 13). Other samples on Gunnison, Montrose, Leadville, and Vail 1:100,000 quadrangles. Location approximate.
1858	Granite	Henry Mountain pluton	CO-59	-106.6369444	38.464722	Saguache	Houston Gulch	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples.(Sample 8 of 13). Other samples on Gunnison, Montrose, Leadville, and Vail 1:100,000 quadrangles. Location approximate.
1859	Pegmatite	Near Doyleville	CO-6	-106.6713889	38.574722	Gunnison	Parlin	Rb-Sr	Biotite	1009	Not report	1031	Wetherill and Bickford (1965)	Model age. Location approximate.
1860	Granite	Roosevelt pluton	CO-61	-106.5373299	38.587397	Gunnison	Pitkin	Rb-Sr	Whole-rock	1600	19	1650 ± 35	Wetherill and Bickford (1965)	Minimum age. Isochron based on 13 samples. (Sample 3 of 13). Other samples on Saguache, Montrose, Leadville, and Vail 1:100,000 quadrangles.
1861	Granite	Granite of Taylor River	CO-64	-106.7688889	38.726111	Gunnison	Almont	Rb-Sr	Plagioclase, K-feldspar, muscovite, whol	1380	19	1397 ± 35	Wetherill and Bickford (1965)	Mineral-whole rock isochron. Recalculated date in DeWitt and others (2002). Location approximate.
1862	Granite	Granite of Taylor River	CO-64	-106.7688889	38.726111	Gunnison	Almont	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 2 of 13). Location approximate. Other samples on Saguache, Montrose, Leadville, and Vail 1:100,000 quadrangles.
1863	Granodiorite	South Beaver Creek pluton	CO-73	-107.0286111	38.495556	Montrose	Big Mesa	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 9 of 13). Other samples on Gunnison, Saguache, Leadville, and Vail 1:100,000 quadrangles. Location approximate; estimated from Montrose 1:250,000 scale geologic map.
1864	Granite	Quartz Monzonite of Cochetopa Creek	CO-74	-106.7655556	38.330556	Saguache	Sawtooth Mountain	Rb-Sr	Whole-rock, biotite	1327	25	1356 ± 25	Wetherill and Bickford (1965)	Whole-rock/mineral isochron.
1865	Granite	Quartz Monzonite of Cochetopa Creek	CO-74	-106.7655556	38.330556	Saguache	Sawtooth Mountain	Rb-Sr	Whole-rock	1615	19	1650 ± 35	Wetherill and Bickford (1965)	Isochron based on 13 samples. (Sample 7 of 13). Other samples on Gunnison, Montrose, Leadville, and Vail 1:100,000 quadrangles.
1866	Pegmatite	Brown Derby area	CO-9	-106.66	38.574722	Gunnison	Parlin	Rb-Sr	Muscovite	1355	Not report	1384	Wetherill and Bickford (1965)	Model age. Location approximate.
1867	Pegmatite	Brown Derby area	CO-9	-106.66	38.574722	Gunnison	Parlin	Rb-Sr	K-feldspar	1361	Not report	1390	Wetherill and Bickford (1965)	Model age. Location approximate.
1868	Pegmatite	Brown Derby area	CO-9	-106.66	38.574722	Gunnison	Parlin	Rb-Sr	Biotite	1105	Not report	1129	Wetherill and Bickford (1965)	Model age. Location approximate.
1869	Altered rhyolite porphyry	Climax, late barren stage sericite		-106.1634098	39.372956	Leadville	Climax	K/Ar	Sericite	25.3	0.3	25.3	White and others (1981)	Location from Wallace (1993, 1995).
1870	Altered granite	Climax, upper orebody		-106.1634098	39.372956	Leadville	Climax	K/Ar	Sericite	30.6	0.4	29.8	White and others (1981)	Location from Wallace (1993, 1995).
1871	Whitehorn stock	Whitehorn stock	79	-105.9200513	38.623687	Pikes Peak	Salida East	K/Ar	Biotite	70.8	2.1	70.4	Young (1972)	Location very approximate. Age recalculated by Chualaowanich (1996).
1872	Whitehorn stock	Whitehorn stock	80	-105.9200528	38.623806	Pikes Peak	Salida East	K/Ar	Hornblende	70	2.1	69.4	Young (1972)	Location very approximate. Age recalculated by Chualaowanich (1996).
1873	Granite	Sherman Granite	CR-48	-105.2369	40.9919	Fort Collins	Table Mountain	Rb-Sr	Whole-rock	1400	20		Zielinski and others (1981)	Isochron defined by 6 samples from drill core.
1874	trachyandesite	Spanish Peaks radial dike swarm	45-C-7	-104.9490007	37.323238	Trinidad	Herlick Canyon	FT	Apatite	27	4.8	27.3 ± 4.8	Smith (1975)	Approximate location.
1875	trachyandesite	Spanish Peaks radial dike swarm	609-C-14	-104.9428557	37.359288	Trinidad	Herlick Canyon	FT	Apatite	23.2	Not report	23.2	Smith (1975)	Location approximate.
1876	latite	Spanish Peaks radial dike swarm	657-C-46	-104.9879689	37.337974	Trinidad	Herlick Canyon	FT	Apatite	22.5	Not report	22.5	Smith (1975)	Location approximate.
1877	Quartz Monzonite	West Spanish Peak stock	WSP-1	-104.9885665	37.376254	Trinidad	Spanish Peaks	FT	Apatite	23	2	23.0	Smith (1975)	location approximate.
1878	Granodiorite	East Spanish Peak stock	ESP-1	-104.9175072	37.394673	Trinidad	Spanish Peaks	FT	Apatite	19.8	1.2	19.8	Smith (1975)	location approximate.
1879	Granodiorite	East Spanish Peak stock		-104.92361	37.39717	Trinidad	Spanish Peaks	K/Ar	biotite	21.7	1	21.7	Stormer (1972)	Location approximate.
1880	Biotite-pyrite-quartz vein	Cripple Creek deposit	37K122	-105.1603	38.75306	Pikes Peak	Cripple Creek North	40Ar/39Ar	Biotite	29.9	0.1	29.9	Kelley and others (1998)	Plateau age.
1881	Tephriphonolite	Cripple Creek deposit	530N2	-105.1319	38.73678	Pikes Peak	Cripple Creek South	40Ar/39Ar	Biotite	32.3	0.1	32.3	Kelley and others (1998)	Plateau age.
1882	Altered phonolite	Cripple Creek deposit	CC001A	-105.1339	38.73611	Pikes Peak	Cripple Creek South	40Ar/39Ar	Sanidine-adularia	28.8	0.1	28.8	Kelley and others (1998)	Isochron age.
1883	Altered phonolite	Cripple Creek deposit	CC001B	-105.1339	38.73611	Pikes Peak	Cripple Creek South	40Ar/39Ar	Adularia	28.2	0.1	28.2	Kelley and others (1998)	Isochron age.
1884	Adularia-biotite-pyrite vein	Cripple Creek deposit	CC003	-105.1425	38.72055	Pikes Peak	Cripple Creek South	40Ar/39Ar	Adularia	31.3	0.1	31.3	Kelley and others (1998)	Plateau age.
1885	Phonolite	Cripple Creek deposit	CC004	-105.1319	38.73528	Pikes Peak	Cripple Creek South	40Ar/39Ar	Sanidine	31.8	0.2	31.8	Kelley and others (1998)	Weighted mean age.
1886	Phonotephrite	Cripple Creek deposit	CC005	-105.1331	38.73555	Pikes Peak	Cripple Creek South	40Ar/39Ar	Whole-rock	29.1	0.2	29.1	Kelley and others (1998)	Isochron age; preferred age is 28.7 Ma based on mimimum age in spectrum and regarded as maximum possible age for sample.
1887	Trachyandesite	Cripple Creek deposit	CC007	-105.1246586	38.718714	Pikes Peak	Cripple Creek South	40Ar/39Ar	Whole-rock	31.6	0.2	31.6	Kelley and others (1998)	Weighted mean age; regarded as maximum possible age.
1888	Phonolite	Cripple Creek deposit	CC009	-105.1286232	38.734217	Pikes Peak	Cripple Creek South	40Ar/39Ar	Sanidine	31.6	0.2	31.6	Kelley and others (1998)	Weighted mean age; regarded as maximum possible age.
1889	Tephriphonolite	Cripple Creek deposit	CC010S	-105.127	38.72667	Pikes Peak	Cripple Creek South	40Ar/39Ar	Sanidine	32.5	0.1	32.5	Kelley and others (1998)	Plateau age.
1890	Adularia-quartz vein	Cripple Creek deposit	CC2	-105.1335	38.73618	Pikes Peak	Cripple Creek South	40Ar/39Ar	Adularia	29.6	0.1	29.6	Kelley and others (1998)	Plateau age.
1891	Phonolite	Cripple Creek deposit	CCPH1	-105.0386208	38.76969	Pikes Peak	Pikes Peak	40Ar/39Ar	Sanidine	30.9	0.1	30.9	Kelley and others (1998)	Plateau age.
1892	Breccia matrix with gold and pyrite	Cripple Creek deposit	CRESA-4	-105.1275	38.72711	Pikes Peak	Cripple Creek South	40Ar/39Ar	Adularia	29.8	0.1	29.8	Kelley and others (1998)	Plateau age.
1893	Granite	Garrel Peak pluton	081297-1	-105.76	38.49	Canon City	Howard	40Ar/39Ar	Hornblende	1536	3	1536	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1894	Gneiss	Texas Creek area	0817-1	-105.5284219	38.447654	Canon City	Echo	40Ar/39Ar	Biotite	1305	5	1330	Shaw and others (2005)	Total gas age. Continuously climbing spectrum. Meaningless age. Decay constant of Kwon and others (2002). Conflicting locations.
1895	Granite	Buffalo Pass pluton	97PARK10h	-106.72	40.53	Walden	Buffalo Pass	40Ar/39Ar	Hornblende	1551	6	1570	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Maximum age is 1605 Ma. Used decay constant of Kwon and others (2002).
1896	Granite	Buffalo Pass pluton	97PARK11	-106.71	40.53	Walden	Buffalo Pass	40Ar/39Ar	Hornblende	1593	4	1598	Shaw and others (2005)	Total gas age. Erractic spectrum. Meaningless age. Maximum age is 1620 Ma. Used decay constant of Kwon and others (2002).
1897	Granite	Buffalo Pass pluton	97PARK11	-106.71	40.53	Walden	Buffalo Pass	40Ar/39Ar	Biotite	1400	9	1456	Shaw and others (2005)	Total gas age. Erractic spectrum. Meaningless age. Maximum age is 1620 Ma. Decay constant of Kwon and others (2002).
1898	Granite	Mount Ethel pluton	97PARK12C	-106.6869911	40.586698	Walden	Buffalo Pass	40Ar/39Ar	Hornblende	1421	4	1449	Shaw and others (2005)	Total gas age. Continually declining spectrum. Meaningless age. Maximum age is 1460 Ma. Used decay constant of Kwon and others (2002).
1899	Gneiss	Metasedimentary gneiss	97PARK2B	-106.69	40.38	Steamboat Springs	Mount Werner	40Ar/39Ar	Biotite	1423	2	1423	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1900	Gneiss	Metasedimentary gneiss	97PARK2B	-106.69	40.38	Steamboat Springs	Mount Werner	40Ar/39Ar	Hornblende	1711	6	1707	Shaw and others (2005)	Total gas age. Erractic spectrum. Meaningless age. Maximum age is 1730 Ma. Used decay constant of Kwon and others (2002).
1901	Gneiss	Metasedimentary gneiss	97PARK-6	-106.7827506	40.36933	Steamboat Springs	Blacktail Mountain	40Ar/39Ar	Hornblende	1688	5	1713	Shaw and others (2005)	Total gas age. Erractic spectrum. Meaningless age. Maximum age is 1740 Ma. Used decay constant of Kwon and others (2002).
1902	Gneiss	Metasedimentary gneiss	97PARK-6	-106.7827506	40.36933	Steamboat Springs	Blacktail Mountain	40Ar/39Ar	Biotite	1454	3	1454	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1903	Gneiss	Metasedimentary gneiss	97PARK-9B	-106.8072802	40.388004	Steamboat Springs	Steamboat Springs	40Ar/39Ar	Biotite	1333	11	1377	Shaw and others (2005)	Total gas age. Erractic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1904	Unnamed	Homestake shear zone	C97HS-3	-106.3215127	39.426301	Leadville	Pando	40Ar/39Ar	Muscovite	1401	1	1401	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1905	Unnamed	Homestake shear zone	C97HS-4H	-106.3215127	39.426301	Leadville	Pando	40Ar/39Ar	Actinolite	1427	5	1512	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1906	Unnamed	Homestake shear zone	C99HS-1	-106.3215127	39.426301	Leadville	Pando	40Ar/39Ar	Hornblende	1488	6	1544	Shaw and others (2005)	Total gas age. Concave upward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1907	Unnamed	Homestake shear zone	C99HS-1	-106.3215127	39.426301	Leadville	Pando	40Ar/39Ar	Biotite	1395	2	1395	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1908	Unnamed	Homestake shear zone	C99HS-16	-106.3615118	39.4863	Leadville	Pando	40Ar/39Ar	Muscovite	1256	18	1312	Shaw and others (2005)	Total gas age. Continuous loss pattern. Maximum age 1370 Ma. Meaningless age. Decay constant of Kwon and others (2002).
1909	Granite	Crampton Mountain pluton	CD-1	-105.39	38.52	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1370	4	1380	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1910	Granite	Crampton Mountain pluton	CD-2	-105.43	38.56	Pikes Peak	Gribble Mountain	40Ar/39Ar	Muscovite	1389	1	1389	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1911	Granite	Fourmile pluton	CD-4	-105.4296548	38.595934	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1342	2	1342	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1912	Granite	Fourmile pluton	CD-4	-105.4296548	38.595934	Pikes Peak	Gribble Mountain	40Ar/39Ar	Muscovite	1345	3	1364	Shaw and others (2005)	Near Plateau. Used decay constant of Kwon and others (2002).
1913	Granite	Fourmile pluton	CD-5a	-105.44	38.62	Pikes Peak	Gribble Mountain	40Ar/39Ar	Muscovite	1373	2	1373	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1914	Granite	Fourmile pluton	CD-5a	-105.44	38.62	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1360	2	1360	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1915	Gneiss	Metasediments (?)	CD-7	-105.58	38.78	Pikes Peak	Thirtynine Mile Mountain	40Ar/39Ar	Biotite	1310	3	1320	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1916	Unnamed	Homestake shear zone	COO HS-11	-106.3415124	39.466301	Leadville	Pando	40Ar/39Ar	Biotite	1391	13	1391	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1917	Unnamed	Homestake shear zone	COO HS-11	-106.3415124	39.466301	Leadville	Pando	40Ar/39Ar	Hornblende	1580	7	1403	Shaw and others (2005)	Total gas age. Lowest age at highest retention temperature. Meaninlgess age. Used decay constant of Kwon and others (2002).
1918	Unnamed	Homestake shear zone	COOHS-12	-106.380534	39.509541	Vail	Minturn	40Ar/39Ar	Biotite	1388	3	1388	Shaw and others (2005)	Near Plateau age. Used decay constant of Kwon and others (2002).
1919	Unnamed	Homestake shear zone	COO HS-3	-106.4615038	39.356299	Leadville	Homestake Reservoir	40Ar/39Ar	Hornblende	1321	14	1413	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1920	Mafic metavolcanic rocks	Central Park Range	FM-00-04	-106.7937335	40.818706	Walden	Farwell Mountain	40Ar/39Ar	Biotite	1399	4	1440	Shaw and others (2005)	Total gas age. Continually declining age. Maximum age 1460 Ma. Used decay constant of Kwon and others (2002).
1921	Mafic metavolcanic rocks	Central Park Range	FM-00-04	-106.7939979	40.818898	Walden	Farwell Mountain	40Ar/39Ar	Muscovite	1483	9	1494	Shaw and others (2005)	Total gas age. Continually declining age. Maximum age 1540 Ma. Used decay constant of Kwon and others (2002).
1922	Metasedimetary rocks	West side of Rabbit Ears Pass	K98 PK 27A	-106.8939217	40.771676	Walden	Hahns Peak	40Ar/39Ar	Muscovite	1497	4	1512	Shaw and others (2005)	Total gas age. Constantly declining spectrum. Maximum age 1560 Ma. Used decay constant of Kwon and others (2002).
1923	Metasedimetary rocks	West side of Rabbit Ears Pass	K98 PK 27A	-106.8939961	40.77173	Walden	Hahns Peak	40Ar/39Ar	Biotite	1465	2	1465	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1924	Mixed metavolcanic and metasedimentary rocks	Salida area	K98-SAL-2	-106	38.63	Gunnison	Nathrop	40Ar/39Ar	Muscovite	1365	3	1371	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1925	Mixed metavolcanic and metasedimentary rocks	Salida area	K98-SAL-2	-106	38.63	Gunnison	Nathrop	40Ar/39Ar	Biotite	1335	4	1347	Shaw and others (2005)	Total gas age. Continuously climbing sprectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1926	Mixed metavolcanic and metasedimentary rocks	Salida area	K98-SAL-3	-106	38.63	Gunnison	Nathrop	40Ar/39Ar	Hornblende	1452	11	1452	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1927	Unnamed	Hardscrabble Creek area	KEK-3b	-105.13	38.13	Canon City	Hardscrabble Mountain	40Ar/39Ar	Hornblende	1395	3	1382	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1928	Unnamed	Hardscrabble Creek area	KEK-2	-105.12	38.13	Canon City	Wetmore	40Ar/39Ar	Hornblende	1432	6	1385	Shaw and others (2005)	Total gas age. Concave upward spectrum. Meaningless age. Actinolitic. Used decay constant of Kwon and others (2002).
1929	Unnamed	Hardscrabble Creek area	KEK-3a	-105.13	38.13	Canon City	Hardscrabble Mountain	40Ar/39Ar	Hornblende	1358	3	1358	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1930	Unnamed	Hardscrabble Creek area	KEK-4a	-105.15	38.13	Canon City	Hardscrabble Mountain	40Ar/39Ar	Hornblende	1376	4	1376	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1931	Unnamed	Hardscrabble Creek area	KEK-4b	-105.15	38.13	Canon City	Hardscrabble Mountain	40Ar/39Ar	Hornblende	1392	3	1385	Shaw and others (2005)	Total gas age. Continually declining spectrum. Meaningless age. Actinolitic. Used decay constant of Kwon and others (2002).
1932	Unnamed	Hardscrabble Creek area	KEK-4c	-105.15	38.13	Canon City	Hardscrabble Mountain	40Ar/39Ar	Hornblende	1381	3	1381	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1933	Unnamed	Hardscrabble Creek area	KEK-5b	-105.15	38.13	Canon City	Hardscrabble Mountain	40Ar/39Ar	Biotite	1253	2	1252	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1934	Unnamed	Hardscrabble Creek area	KEK-6	-105.21	38.14	Canon City	Hardscrabble Mountain	40Ar/39Ar	Actinolite	1361	3	1361	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1935	Unnamed	Hardscrabble Creek area	KEK-6	-105.21	38.14	Canon City	Hardscrabble Mountain	40Ar/39Ar	Biotite	1422	1	1422	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1936	Unnamed	Hardscrabble Creek area	KEK-7b	-105.21	38.14	Canon City	Hardscrabble Mountain	40Ar/39Ar	Hornblende	1375	4	1375	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1937	Unnamed	Hardscrabble Creek area	KEK-7c	-105.21	38.14	Canon City	Hardscrabble Mountain	40Ar/39Ar	Biotite	1314	2	1405	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1938	Unnamed	Hardscrabble Creek area	KEK-7c	-105.21	38.14	Canon City	Hardscrabble Mountain	40Ar/39Ar	Hornblende	1357	2	1357	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1939	Unnamed	Homestake shear zone	KHS99-1	-106.36	39.48	Leadville	Pando	40Ar/39Ar	Biotite	1411	3	1411	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1940	Unnamed	Homestake shear zone	KHS99-1	-106.36	39.48	Leadville	Pando	40Ar/39Ar	Hornblende	1505	9	1565	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1941	Unnamed	Homestake shear zone	KHS99-2	-106.36	39.48	Leadville	Pando	40Ar/39Ar	Biotite	1385	2	1385	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1942	Unnamed	Homestake shear zone	KHS99-2	-106.36	39.48	Leadville	Pando	40Ar/39Ar	Actinolite	1618	33	1649	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1943	Unnamed	Homestake shear zone	KHS99-3	-106.4615038	39.356299	Leadville	Pando	40Ar/39Ar	Biotite	1389	3	1405	Shaw and others (2005)	Total gas age. Continuous loss pattern. Maximum age 1440 Ma. Meaningless age. Used decay constant of Kwon and others (2002).
1944	Mixed metsedimentary and metavolcanic rock	Pearl area	KK99-PK-65	-106.5621507	40.927036	Walden	Pearl	40Ar/39Ar	Actinolite	1602	23	1,612	Shaw and others (2005)	Total gas age. Erratic spectrum. Used decay constant of Kwon and others (2002).
1945	Unnamed	Texas Creek area	KOO BR 20	-105.5284219	38.447654	Canon City	Echo	40Ar/39Ar	Muscovite	1298	6	1295	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1946	Unnamed	Texas Creek area	KOO BR-21	-105.5284219	38.447654	Canon City	Echo	40Ar/39Ar	Hornblende	1475	8	1479	Shaw and others (2005)	Total gas age. Continuously climbing spectrum. Maximum age. 1585 Ma. Meaningless age. Decay constant of Kwon and others (2002).
1947	Unnamed	Wilson Park area	KOO BR-10-5	-105.31	38.56	Pikes Peak	Rice Mountain	40Ar/39Ar	Muscovite	1164	17	1275	Shaw and others (2005)	Total gas age. Erratic spectrum. Maximum age 1410 Ma. Meaningless age. Used decay constant of Kwon and others (2002).
1948	Unnamed	Pluton of Wilson Park	KOO BR 21	-105.3	38.58	Pikes Peak	Rice Mountain	40Ar/39Ar	Biotite	1307	4	1320	Shaw and others (2005)	Total gas age. Continuously climbing spectrum. Maximum age 1360 Ma. Meaningless age. Decay constant of Kwon and others (2002).
1949	Mafic metavolcanic	Farwell Mountain	KOO FM-1	-106.8658597	40.821436	Walden	Farwell Mountain	40Ar/39Ar	Hornblende	1482	6	1510	Shaw and others (2005)	Total gas age. Erratic spectrum. Constantly declining spectra. Maximum age 1705 Ma. Used decay constant of Kwon and others (2002).
1950	Mafic metavolcanic	Farwell Mountain	KOO FM-1	-106.8658597	40.821436	Walden	Farwell Mountain	40Ar/39Ar	Biotite	1247	11	1314	Shaw and others (2005)	Total gas age. Erratic spectrum. Constantly declining spectra. Used decay constant of Kwon and others (2002).
1951	Mafic metavolcanic	Farwell Mountain	KOO FM-2	-106.8656556	40.821518	Walden	Farwell Mountain	40Ar/39Ar	Actinolite	1583	4	1572	Shaw and others (2005)	Total gas age. Erratic spectrum, Constantly declining spectra. Maximum age 1630 Ma. Used decay constant of Kwon and others (2002).
1952	Unnamed	Texas Creek area	KOO-BR-1	-105.5284219	38.447654	Canon City	Echo	40Ar/39Ar	Muscovite	1380	2	1380	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1953	Mafic metavolcanic rocks	Farwell Mountain	KOO-FM-3	-106.7941274	40.818896	Walden	Farwell Mountain	40Ar/39Ar	Hornblende	1553	2	1553	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1954	Unnamed	Homestake shear zone	KOO-HS-10	-106.38	39.46	Leadville	Mount of the Holy Cross	40Ar/39Ar	Muscovite	1378	2	1380	Shaw and others (2005)	Total gas age. Continuous loss pattern. Maximum age 1402 Ma Used decay constant of Kwon and others (2002).
1955	Unnamed	Homestake shear zone	KOO-HS-2	-106.36	39.48	Leadville	Pando	40Ar/39Ar	Actinolite	1622	27	1676	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1956	Unnamed	Gore Range	KTM-99-2	-106.17	39.6	Vail	Vail Pass	40Ar/39Ar	Biotite	1369	5	1395	Shaw and others (2005)	Total gas age. Ages declines with increasing temperature. Meaningless age. Decay constant of Kwon and others (2002).
1957	Unnamed	Gore Range	KTM-99-7	-106.17	39.6	Vail	Vail Pass	40Ar/39Ar	Biotite	1281	7	1338	Shaw and others (2005)	Total gas age. Concave upward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1958	Metasedimentary rocks	Lester Peak	LMOO-15	-106.8939945	40.771675	Walden	Hahns Peak	40Ar/39Ar	Pyroxene	1761	3	1671	Shaw and others (2005)	Total gas age. Constantly declining spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1959	Gneiss	Hayden Pass	SC97-1	-105.87	38.28	Canon City	Coaldale	40Ar/39Ar	Biotite	1378	3	1378	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1960	Granite	McCoy Gulch pluton	SC97-10A	-105.5787708	38.40786	Canon City	Echo	40Ar/39Ar	Muscovite	1370	2	1370	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1961	Gneiss	Texas Creek area	SC97-11A	-105.53	38.43	Canon City	Echo	40Ar/39Ar	Muscovite	1370	3	1376	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1962	Gneiss	Texas Creek area	SC97-11B	-105.53	38.43	Canon City	Echo	40Ar/39Ar	Hornblende	1265	3	1361	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1963	Gneiss	Texas Creek area	SC97-11C	-105.53	38.43	Canon City	Echo	40Ar/39Ar	Hornblende	1457	2	1457	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1964	Gneiss	Texas Creek area	SC97-11C	-105.53	38.43	Canon City	Echo	40Ar/39Ar	Biotite	1404	1	1404	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1965	Gneiss	Texas Creek area	SC97-11D	-105.53	38.43	Canon City	Echo	40Ar/39Ar	Hornblende	1418	4	1476	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1966	Gneiss	Texas Creek area	SC97-11E	-105.53	38.43	Canon City	Echo	40Ar/39Ar	Muscovite	1367	2	1367	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1967	Gneiss	Texas Creek area	SC97-11F	-105.53	38.43	Canon City	Echo	40Ar/39Ar	Muscovite	1319	4	1329	Shaw and others (2005)	Total gas age. Continuously climbing spectrum. Maximum age 1365 Ma. Used decay constant of Kwon and others (2002).
1968	Granite	Garrel Peak pluton	SC97-12	-105.68	38.37	Canon City	Cotopaxi	40Ar/39Ar	Hornblende	1514	6	1487	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1969	Granite	Garrel Peak pluton	SC97-12	-105.68	38.37	Canon City	Cotopaxi	40Ar/39Ar	Biotite	1302	2	1301	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1970	Metavolcanic rocks	Salida area	SC97-13E	-105.96	38.52	Pikes Peak	Salida East	40Ar/39Ar	Hornblende	1432	3	1432	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1971	Granite	Henry Mountain pluton (?)	SC97-14B	-106.01	38.65	Gunnison	Nathrop	40Ar/39Ar	Hornblende	1440	4	1440	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1972	Mafic metavolcanic rocks (?)	Dubois greenstone	SC97-17A	-107.0953182	38.350963	Montrose	Powderhorn	40Ar/39Ar	Actinolite	1695	15	1695	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1973	Mafic metavolcanic rocks (?)	Dubois greenstone	SC97-17B	-107.0953182	38.350963	Montrose	Powderhorn	40Ar/39Ar	Actinolite	1666	2	1666	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1974	Tonalite	South Beaver Creek pluton	SC97-18	-107.02	38.5	Paonia	McIntosh Mountain	40Ar/39Ar	Hornblende	1700	3	1700	Shaw and others (2005)	Total gas age. Erratic spectrum. Two fractions at 1700 ma Used decay constant of Kwon and others (2002).
1975	Tonalite	South Beaver Creek pluton	SC97-18	-107.02	38.5	Paonia	McIntosh Mountain	40Ar/39Ar	Biotite	1081	1	1081	Shaw and others (2005)	Total gas age. Erratic spectrum. Two fractions at 1700 ma. Used decay constant of Kwon and others (2002).
1976	Granite	Quartz Monzonite of Cochetopa Creek	SC97-19	-106.77	38.33	Saguache	Sawtooth Mountain	40Ar/39Ar	Biotite	1377	5	1389	Shaw and others (2005)	Total gas age. Erratic spectrum. Constantly declining spectra. Two fractions at 1700 ma. Decay constant of Kwon and others (2002).
1977	Gneiss	Hayden Pass	SC97-2	-105.87	38.28	Canon City	Coaldale	40Ar/39Ar	Hornblende	1445	9	1447	Shaw and others (2005)	Total gas age. Erratic spectrum. Maximum age. 1520 Ma. Used decay constant of Kwon and others (2002).
1978	Gneiss	Hayden Pass	SC97-3	-105.87	38.28	Canon City	Coaldale	40Ar/39Ar	Biotite	1344	5	1360	Shaw and others (2005)	Total gas age. Continuously climbing spectrum. Maximum age 1395 Ma. Used decay constant of Kwon and others (2002).

1979	Gneiss	Hayden Pass	SC97-4	-105.87	38.28	Canon City	Coaldale	40Ar/39Ar	Biotite	1398	5	1398	Shaw and others (2005)	Total gas age. Continuously climbing spectrum. Maximum age 1460 Ma. Used decay constant of Kwon and others (2002).
1980	Gneiss	Hayden Pass	SC97-5A	-105.89	38.29	Canon City	Bushnell Peak	40Ar/39Ar	Hornblende	1454	4	1454	Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
1981	Unnamed	Unknown	SC97-6A	-106.11	38.45	Saguache	Poncha Pass	40Ar/39Ar	Hornblende	1668	2	1668	Shaw and others (2005)	Total gas age. Erratic spectrum and declining spectrum.aningless age. Used decay constant of Kwon and others (2002).
1982	Unnamed	Unknown	SC97-6B	-106.11	38.45	Saguache	Poncha Pass	40Ar/39Ar	Muscovite	1369	2	1369	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1983	Gneiss	Poncha Pass	SC97-7A	-106.09	38.49	Saguache	Poncha Pass	40Ar/39Ar	Hornblende	1514	7	1514	Shaw and others (2005)	Total gas age. Constantly declining spectrum. Meaninless age. Used decay constant of Kwon and others (2002).
1984	Unnamed	Salida area	SC97-8A	-105.98	38.63	Pikes Peak	Cameron Mountain	40Ar/39Ar	Muscovite	1360	9	1350	Shaw and others (2005)	Total gas age. Concave upward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1985	Unnamed	Salida area	SC97-8B	-105.98	38.63	Pikes Peak	Cameron Mountain	40Ar/39Ar	Biotite	832	1	832	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1986	Metavolcanics rocks	Salida area	SC97-9	-105.99	38.59	Pikes Peak	Salida East	40Ar/39Ar	Actinolite	1345	11	1453	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
1987	Granite	Fourmile pluton	T-IL-10b	-105.4484878	38.621198	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1361	2	1361	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1988	Granite	Crampton Mountain pluton	T-IL-1b	-105.44	38.56	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1331	4	1349	Shaw and others (2005)	Total gas age. Erratic spectrum. Meaninless age. Used decay constant of Kwon and others (2002).
1989	Granite	Crampton Mountain pluton	T-IL-3b	-105.43	38.56	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1355	2	1355	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1990	Granite	Crampton Mountain pluton	T-IL-4b	-105.43	38.56	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1346	2	1346	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1991	Granite	Crampton Mountain pluton	T-IL-5b	-105.42	38.56	Pikes Peak	Gribble Mountain	40Ar/39Ar	Biotite	1384	2	1384	Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
1992	Quartz monzonite	St. Vrain pluton	BL-2	-105.5828914	40.098159	Denver West	Ward	40Ar/39Ar	K-feldspar	72	3		Lester (1992)	Approximate location.
1993	Quartz monzonite	St. Vrain pluton	LI-2	-105.5725851	40.098823	Denver West	Ward	40Ar/39Ar	Orthoclase	73	3		Lester (1992)	Approximate location.
1994	Quartz monzonite	St. Vrain pluton	LI-3	-105.5627939	40.101954	Denver West	Ward	40Ar/39Ar	Microcline	110	3		Lester (1992)	Approximate location.
1995	Quartz monzonite	St. Vrain pluton	BL-17	-105.5528481	40.106479	Denver West	Ward	40Ar/39Ar	Microcline	125	3		Lester (1992)	Approximate location.
1996	Lamprophyre dike	Carlton Tunnel, Cripple Creek		-105.1421712	38.716469	Pikes Peak	Cripple Creek South	40Ar/39Ar	not given	33.7	0.4		Jensen (2003)	Laser fusion? on unknown mineral.
1997	Glomeroporphyritic phonolite	Altman Pit, Cripple Creek		-105.1405341	38.727587	Pikes Peak	Cripple Creek South	40Ar/39Ar	Biotite	32.7	0.7		Helms (2000)	Laser Fusion.
1998	N-2 dike in Altman Pit	Altman Pit, Cripple Creek		-105.1329206	38.736621	Pikes Peak	Cripple Creek South	40Ar/39Ar	not given	31.9	1.7		Jensen (2003)	Laser fusion? on unknown mineral.
1999	Biotite in vein	Vindicator Mine, Cripple Creek		-105.1280526	38.727563	Pikes Peak	Cripple Creek South	40Ar/39Ar	Biotite	33	0.4		Jensen (2003)	Laser Fusion.
2000	Bull Cliffs Phonolite	Cripple Creek, east		-105.126522	38.735164	Pikes Peak	Cripple Creek South	40Ar/39Ar	Sanidind	33.2	0.1		Helms (2000)	Laser Fusion.
2001	Bull Cliffs phonolite	Cripple Creek, east		-105.1257477	38.73336	Pikes Peak	Cripple Creek South	40Ar/39Ar	Hornblende	32	0.5		Helms (2000)	Laser Fusion.
2002	Kimberlite	George Creek Kimberlite dike		-105.702672	40.891886	Fort Collins	Eaton Reservoir	Rb-Sr	Whole-rock	600	Not report		Carlson and Marsh (1986)	Approximate age of weathered material.
2003	Kimberlite	Chicken Park Kimberlite		-105.538225	40.864233	Fort Collins	Diamond Peak	U-Pb	Perovskite	614	2		Heaman and others (2003)	Weighted average of four size fractions.
2004	Minette	Dike east of Walsenburg	SP70	-104.62212	37.690268	Trinidad	Cucharas Reservoir	40Ar/39Ar	Biotite	14.3	0.1	14.3	Penn and Lindsey (2009)	Partial plateau.
2005	Camptonite	East-trending parallel swarm, south of Spanish Peaks	SP37	-104.928629	37.261465	Trinidad	Herlick Canyon	40Ar/39Ar	Biotite	26.6	0.12	26.6	Penn and Lindsey (2009)	Plateau age.
2006	Hornblende monzonite	Bradford Mesa	SP51	-104.730029	37.73	Trinidad	Maria Reservoir	40Ar/39Ar	Biotite	21.5	0.05	21.5	Penn and Lindsey (2009)	Aproximate location. Plateau age.
2007	Quartz Monzonite	West Spanish Peak stock	SP33	-104.982662	37.379861	Trinidad	Spanish Peaks	40Ar/39Ar	Biotite	24.6	0.13	24.6	Penn and Lindsey (2009)	Partial plateau.
2008	East Spanish Peak stock	East Spanish Peak stock	SP134	-104.920005	37.390324	Trinidad	Spanish Peaks	40Ar/39Ar	Biotite	23.9	0.08	23.9	Penn and Lindsey (2009)	Plateau age.
2009	Monzonite	Huerfano Butte	SP34-HB	-104.826823	37.753828	Trinidad	Walsenburg North	40Ar/39Ar	Biotite	25.2	0.2	25.2	Penn and Lindsey (2009)	Partial plateau.
2010	Alkali basalt	Huerfano Butte	SP34-TS	-104.826823	37.753828	Trinidad	Walsenburg North	40Ar/39Ar	Biotite	25.2	0.25	25.2	Penn and Lindsey (2009)	Partial plateau.
2011	Minette	Walsenburg	SP131	-104.789634	37.636007	Trinidad	Walsenburg North	40Ar/39Ar	Biotite	21.3	0.25	21.3	Penn and Lindsey (2009)	Plateau age.
2012	Syenite porphyry	Spanish Peaks radial dike swarm	SP73	-104.876829	37.500504	Trinidad	Ritter Arroyo	40Ar/39Ar	Hornblende	22.8	0.13	22.8	Penn and Lindsey (2009)	Plateau age.
2013	Lamproite	Lamproite body near Granby	6LT56	-105.955116	40.188666	Estes Park	Trail Mountain	K/Ar	Phlogopite	33	0.08	33	Thompson and others (1997)	
2014	Quartz porphyry	Pando Porphyry	AS-12	-106.8230052	39.140279	Leadville	Aspen	FT	Zircon	50	7.2	50	Bryant and others (1990)	
2015	Granite	Twin Lakes pluton	73-N8	-106.5077607	39.068221	Leadville	Independence Pass	FT	Zircon	44.2	4		Shannon (1988)	
2016	Granite	Twin Lakes pluton	73-N8	-106.5077607	39.068221	Leadville	Independence Pass	FT	Sphene	45.9	3.9		Shannon (1988)	
2017	Quartzite	Idaho Springs area	KIS0012	-105.3477109	39.869928	Denver West	Ralston Buttes	40Ar/39Ar	Muscovite	1347	2		Shaw and others (2005)	Total gas age. Erractic spectrum. Meaningless age. Maximum age is 1620 Ma. Decay constant of Kwon and others (2002).
2018	Gneiss	Sherman Mountain	KIS004	-105.7485681	39.732569	Denver West	Georgetown	40Ar/39Ar	Hornblende	1396	10		Shaw and others (2005)	Near Plateau. Used decay constant of Kwon and others (2002).
2019	Gneiss	Sherman Mountain	KIS004	-105.7487529	39.732568	Denver West	Georgetown	40Ar/39Ar	Biotite	1325	1		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2020	Granodiorite (?)	Twin Spruce pluton	KIS012	-105.3799587	39.854421	Denver West	Ralston Buttes	40Ar/39Ar	Biotite	1280	4		Shaw and others (2005)	Near Plateau. Used decay constant of Kwon and others (2002).
2021	Unknown	At Sherman Granite contact	CB-97-2	-105.34	40.93	Fort Collins	Virginia Dale	40Ar/39Ar	Hornblende	1520	Not report		Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
2022	Unknown	Northern Front Range	CB-97-2	-105.34	40.93	Fort Collins	Virginia Dale	40Ar/39Ar	Biotite	1429	Not report		Shaw and others (2005)	Total gas age. Concave upward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
2023	Unknown	Northern Front Range	CB-97-3	-105.34	40.93	Fort Collins	Virginia Dale	40Ar/39Ar	Hornblende	1540	Not report		Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
2024	Granite	St. Vrain pluton	99-CP-02A	-105.7643446	40.378772	Estes Park	Fall River Pass	40Ar/39Ar	Biotite	1281	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2025	Granite	St. Vrain pluton	99-CP-02B	-105.7609669	40.375052	Estes Park	Fall River Pass	40Ar/39Ar	Musovite	1273	2		Shaw and others (2005)	Total gas age. Concave downward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
2026	Granite	St. Vrain pluton	99-CP-02B	-105.7609669	40.375052	Estes Park	Fall River Pass	40Ar/39Ar	Biotite	1246	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2027	Granite	St. Vrain pluton	99FF-01	-105.7166803	40.345409	Estes Park	McHenry's Peak	40Ar/39Ar	Biotite	1222	2		Shaw and others (2005)	Total gas age. Concave downward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
2028	Granite	St. Vrain pluton	99SV-02	-105.5	40.14	Estes Park	Allens Park	40Ar/39Ar	Biotite	1190	2		Shaw and others (2005)	Total gas age. Concave upward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
2029	Granite	St. Vrain pluton	99SV-05	-105.34	40.18	Estes Park	Lyons	40Ar/39Ar	Muscovite	1343	2		Shaw and others (2005)	Total gas age. Concave upward spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
2030	Granite	St. Vrain pluton	99SV-05	-105.34	40.18	Estes Park	Lyons	40Ar/39Ar	Biotite	1264	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2031	Granite	St. Vrain pluton	99SV-06	-105.38	40.17	Estes Park	Raymond	40Ar/39Ar	Muscovite	1304	2		Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
2032	Granite	St. Vrain pluton	99SV-06	-105.38	40.17	Estes Park	Raymond	40Ar/39Ar	Biotite	1142	2		Shaw and others (2005)	Total gas age. Continuously climbing spectrum. Meaningless age. Used decay constant of Kwon and others (2002).
2033	Granite	St. Vrain pluton	99TS-01	-105.5430487	40.301389	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1298	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2034	Granite	St. Vrain pluton	99TS-02	-105.53	40.3	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1267	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2035	Granite	St. Vrain pluton	99CP-01	-105.7	40.44	Estes Park	Fall River Pass	40Ar/39Ar	Muscovite	1370	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2036	Granite	St. Vrain pluton	99LP-02	-105.62	40.26	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1236	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2037	Granite	St. Vrain pluton	99LP-03	-105.62	40.26	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1236	1		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2038	Granite	St. Vrain pluton	99LP-04	-105.61	40.28	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1222	5		Shaw and others (2005)	Near plateau age. Used decay constant of Kwon and others (2002).
2039	Granite	St. Vrain pluton	99LP-05	-105.59	40.27	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1188	2		Shaw and others (2005)	Total gas age. Erratic spectrum. Meaninless age. Used decay constant of Kwon and others (2002).
2040	Granite	St. Vrain pluton	99LP-07	-105.6	40.26	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1226	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2041	Granite	St. Vrain pluton	99LP-01	-105.6200737	40.260447	Estes Park	Longs Peak	40Ar/39Ar	Biotite	1228	2		Shaw and others (2005)	Plateau age. Used decay constant of Kwon and others (2002).
2042	Granodiorite (?)	Boulder Creek pluton	ISSZR30416-2	-105.3445276	39.938966	Denver West	Raymond	40Ar/39Ar	Hornblende	1444	2		Shaw and others (1999)	Near plateau.
2043	Granodiorite (?)	Boulder Creek pluton	ISSZR30416-3	-105.3368277	40.004759	Denver West	Panorama Peak	40Ar/39Ar	Biotite	1360	5		Shaw and others (1999)	Near plateau.
2044	Granodiorite (?)	Boulder Creek pluton	ISSZR30416-2	-105.3445287	39.939183	Denver West	Raymond	40Ar/39Ar	Biotite	1360	5		Shaw and others (1999)	Near plateau.
2045	Gneiss	Idaho Springs area	ISSZR30416-4a	-105.398622	39.838418	Denver West	Black Hawk	40Ar/39Ar	Biotite	1267	Not report		Shaw and others (1999)	Total gas age. Maximum age 1290 Ma.
2046	Mafic metavolcanic rocks	Coal Creek Canyon	ISSZR30416-1a	-105.2843548	39.860395	Denver West	Ralston Buttes	40Ar/39Ar	Hornblende	1535	Not report		Shaw and others (1999)	Total gas age. Maximum age 1520 Ma.
2047	Mafic metavolcanic rocks	Coal Creek Canyon	ISSZR30326-3	-105.294689	39.845141	Denver West	Ralston Buttes	40Ar/39Ar	Hornblende	1570	Not report		Shaw and others (1999)	Total gas age. Continuously climbing spectrum. Maximum age 1560 Ma.
2048	Metapelite	Coal Creek Canyon	ISSZR30326-6	-105.2873342	39.826725	Denver West	Ralston Buttes	40Ar/39Ar	Muscovite	1377	2		Shaw and others (1999)	Plateau age.
2049	Mafic metavolcanic rocks	Golden Gate Canyon	ISSZR0706-6	-105.2601256	39.770514	Denver West	Ralston Buttes	40Ar/39Ar	Hornblende	1570	Not report		Shaw and others (1999)	Maximum age. No spectrum
2050	Mafic metavolcanic rocks	Squaw Pass	ISSZR0706-1	-105.4219693	39.67249	Denver West	Squaw Pass	40Ar/39Ar	Hornblende	1418	Not report		Shaw and others (1999)	Maximum age. No spectrum
2051	Granite	Mount Evans pluton	ISSZR0706-2	-105.6079709	39.620781	Denver West	Idaho Springs	40Ar/39Ar	Biotite	1283	Not report		Shaw and others (1999)	Maximum age. No spectrum
2052	Granite	Mount Evans pluton	ISSZR0706-3	-105.6038153	39.629899	Denver West	Idaho Springs	40Ar/39Ar	Hornblende	1400	Not report		Shaw and others (1999)	Maximum age. No spectrum
2053	Granite	Mount Evans pluton	ISSZR0706-4	-105.6015157	39.643359	Denver West	Idaho Springs	40Ar/39Ar	Hornblende	1390	Not report		Shaw and others (1999)	Maximum age. No spectrum
2054	Metapelite	Coal Creek Canyon	ISSZR30326-6	-105.2873342	39.826725	Denver West	Ralston Buttes	40Ar/39Ar	Biotite	1370	4		Shaw and others (1999)	Near plateau.
2055	Metapelite	Coal Creek Canyon	ISSZR30326-6	-105.398622	39.838418	Denver West	Ralston Buttes	40Ar/39Ar	Biotite	1380	2		Shaw and others (1999)	Near plateau age.
2056	Gneiss	Idaho Springs area	ISSZR30416-4a	-105.5117	39.7408	Denver West	Black Hawk	40Ar/39Ar	Microcline	1366	Not report		Shaw and others (1999)	Total gas age. Maximum age 1226 Ma.
2057	Granite	Mount Evans pluton	ISSZR0706-3	-105.6034805	39.63003	Denver West	Idaho Springs	40Ar/39Ar	Biotite	1288	2		Shaw and others (1999)	Near plateau.
2058	Granite	Mount Evans pluton	ISSZR0706-3	-105.6034166	39.6301	Denver West	Idaho Springs	40Ar/39Ar	Microcline	1140	Not report		Shaw and others (1999)	Maximum age. No spectrum.
2059	Granite	Mount Evans pluton	ISSZR0706-4	-105.6015179	39.643619	Denver West	Idaho Springs	40Ar/39Ar	Hornblende	1410	Not report		Shaw and others (1999)	Maximum age. No spectrum.
2060	Mafic metavolcanic rocks	Golden Gate Canyon	ISSZR0706-6	-105.2601256	39.770514	Denver West	Ralston Buttes	40Ar/39Ar	Hornblende	1571	Not report		Shaw and others (1999)	Maximum age. No spectrum.
2061	Mafic metavolcanic rocks		ISSZR0706-4	-105.6015168	39.643489	Denver West	Idaho Springs	40Ar/39Ar	Biotite	1298	Not report		Shaw and others (1999)	Maximum age. No spectrum.
2062	Granite	Mount Evans pluton	ISSZR0706-4	-105.6015338	39.643547	Denver West	Idaho Springs	40Ar/39Ar	Microcline	1134	Not report		Shaw and others (1999)	Maximum age. No spectrum.
2063	Mafic metavolcanic rocks	Idaho Springs area	ISSZR0706-5	-105.4462169	39.694201	Denver West	Idaho Springs	40Ar/39Ar	Hornblende	1442	Not report		Shaw and others (1999)	Maximum age. No spectrum.
2064	Granite	Henry Mountain pluton		-106.6503676	38.540941	Gunnison	Parlin	U-Pb	Zircon	1540	140		Aldrich and others (1958)	207/206 age.
2065	Granite	Henry Mountain pluton		-106.6503676	38.540941	Gunnison	Parlin	Rb-Sr	Biotite	1300	Not report	1310	Aldrich and others (1958)	
2066	Granite	Pikes Peak pluton		-105.0431617	38.839834	Pikes Peak	Pikes Peak	Rb-Sr	Biotite	1000	Not report	1020	Aldrich and others (1958)	
2067	Granite	Pikes Peak pluton		-105.0431617	38.839834	Pikes Peak	Pikes Peak	U-Pb	Zircon	980	Not report		Aldrich and others (1958)	207/206 age.
2068	Basalt flow	Servilleta Basalt	FS44	-105.4023446	37.272769	Alamosa	Fort Garland SW	40Ar/39Ar	Whole-rock	4.55	0.15		Miggins (2002)	Total gas age. Sample number from Kirkham and Heimsoth (2002).
2069	Basalt flow	Servilleta Basalt	FS98	-105.4374922	37.262906	Alamosa	Fort Garland SW	40Ar/39Ar	Whole-rock	4.59	0.02		Miggins (2002)	Total gas age. Sample number from Kirkham and Heimsoth (2002).
2070	Basalt flow	Servilleta Basalt	FG1B	-105.3991188	37.394341	Alamosa	Fort Garland	40Ar/39Ar	Whole-rock	3.66	0.01		Wallace (1997)	Total gas age.
2071	Andesite	Martinez Hill	LV51	-105.331941	37.107124	Alamosa	La Valley	40Ar/39Ar	Hornblende	12.84	0.18		Peters (2004)	Plateau age. Reported in Kirkham and others (2004)
2072	Andesite		LV255	-105.350826	37.018968	Alamosa	La Valley	40Ar/39Ar	Whole-rock	10.8	0.06		Peters (2004)	Total gas age. Reported in Kirkham and others (2004)
2073	Andesite		LV396	-105.3658588	37.005853	Alamosa	La Valley	40Ar/39Ar	Hornblende	12	0.1		Peters (2004)	Plateau age. Reported in Kirkham and others (2004)
2074	Andesite		LV334	-105.2567025	37.027421	Alamosa	La Valley	40Ar/39Ar	Whole-rock	14.8	0.09		Peters (2004)	Total gas age. Reported in Kirkham and others (2004)
2075	Andesite		CP504A	-105.2329419	37.035315	Alamosa	Culebra Peak	40Ar/39Ar	Whole-rock	12.2	0.1		Kirkham and others (2005)	Total gas age.
2076	Basalt		CP106	-105.2054795	37.017512	Alamosa	Culebra Peak	40Ar/39Ar	Whole-rock	12.02	0.07		Kirkham and others (2005)	Total gas age.
2077	Dacite		CP46	-105.1371313	37.047034	Alamosa	Culebra Peak	40Ar/39Ar	Biotite	15.23	0.05		Kirkham and others (2005)	Minimum age.
2078	Andesite	Reinecker Ridge Volcanics	JP300	-105.9166451	39.254689	Bailey	Como	40Ar/39Ar	Hornblende	67	0.25		Widmann and others (2005)	Unreported age type.
2079	Quartz monzonite porphyry	Bald Mountain sill	CO197	-105.8943762	39.324826	Bailey	Como	40Ar/39Ar	Biotite	43	0.26		Widmann and others (2005)	Unreported age type.
2080	Rhyolite clast	Lower Conglomerate of South Park Formation	JK365	-105.9062068	39.254919	Bailey	Como	40Ar/39Ar	Biotite	64	0.11		Widmann and others (2005)	Unreported age type.
2081	Rhyolite tuff		E309P	-105.9812941	39.163651	Bailey	Fairplay East	40Ar/39Ar	Plagioclase	32.9	1		Kirkham and others (2006)	Mean age for 30% of gas released. Total gas age 39.2 Ma.
2082	Andesite clast	Reinecker Ridge Volcanics	JK119	-105.9053911	39.205125	Bailey	Fairplay East	40Ar/39Ar	Hornblende	68.8	0.8		Kirkham and others (2006)	Complex continually declining high temperature spectrum. Meaningless age.
2083	Intermediate intrusive clast in conglomerate	Upper Conglomerate of the South Park Formation	JK099	-105.8792578	39.135671	Bailey	Fairplay East	40Ar/39Ar	Biotite	66.6	0.4		Kirkham and others (2006)	Plateau age. Cooling age
2084	Andesite clast in conglomerate	Upper Conglomerate of the South Park Formation	JK083	-105.8925725	39.18045	Bailey	Fairplay East	40Ar/39Ar	Biotite	66.4	0.4		Kirkham and others (2006)	Plateau age.
2085	Dacite tuff	Tuff of Triad Ridge	K0447bi	-105.9850017	38.819324	Pikes Peak	Castle Rock Gulch	40Ar/39Ar	Biotite	37.2	0.11		Wallace and Keller (2003)	Plateau age.
2086	Dacite tuff	Tuff of Triad Ridge	K0447hb	-105.9850652	38.819324	Pikes Peak	Castle Rock Gulch	40Ar/39Ar	Hornblende	38	0.3		Wallace and Keller (2003)	Plateau age.
2087	Granite		94SPRO7	-105.7469	39.4683	Bailey	Mount Logan	FT	Apatite	71.5	6.9	71.5	Kelley and Chapin (2004)	Laramide annealing zone(?).
2088	Granite		94SPR08	-105.6783	39.4619	Bailey	Mount Logan	FT	Apatite	57.6	4.1	57.6	Kelley and Chapin (2004)	Laramide annealing zone.
2089	Granitic gneiss		96SPR44	-105.6308	39.4956	Bailey	Mount Logan	FT	Apatite	135	12.7	134.7	Kelley and Chapin (2004)	Laramide partial annealing zone.
2090	Granitic gneiss		96SPR48	-105.6928	39.4828	Bailey	Mount Logan	FT	Apatite	66	4.5	66	Kelley and Chapin (2004)	Laramide annealing zone.
2091	Gneiss		00BenTy01	-105.5908	39.4361	Bailey	Shawnee	FT	Apatite	78.9	5.6	78.9	Kelley and Chapin (2004)	Laramide annealing zone.
2092	Gneiss		00BenTy03	-105.6561	39.4133	Bailey	Mount Logan	FT	Apatite	104	7.6	104.5	Kelley and Chapin (2004)	Laramide partial annealing zone.
2093	Quartz monzonite		00BenTy04	-105.6803	39.4156	Bailey	Mount Logan	FT	Apatite	116	8.4	115.9	Kelley and Chapin (2004)	Laramide partial annealing zone.
2094	Gneiss		00BenTy05	-105.6406	39.4156	Bailey	Mount Logan	FT	Apatite	55.1	11.2	55.1	Kelley and Chapin (2004)	Laramide annealing zone.
2095	Granite		94SPR10	-105.5186	39.4144	Bailey	Shawnee	FT	Apatite	60.5	6.8	60.5	Kelley and Chapin (2004)	Laramide annealing zone.
2096	Schist		94SPR11	-105.4453	39.3833	Bailey	Bailey	FT	Apatite	116	9.3	115.7	Kelley and Chapin (2004)	Laramide partial annealing zone.
2097	Diorite		94SPR12	-105.4722	39.4061	Bailey	Bailey	FT	Apatite	59.6	7.7	59.6	Kelley and Chapin (2004)	Laramide annealing zone.
2098	Granite		94SPR13	-105.4664	39.4239	Bailey	Bailey	FT	Apatite	117	12.8	117.1	Kelley and Chapin (2004)	Laramide partial annealing zone.
2099	Gneiss		96SPR38	-105.1256	39.4264	Bailey	Platte Canyon	FT	Apatite	69.2	11.8	69.2	Kelley and Chapin (2004)	Laramide annealing zone.
2100	Granite		94SPR14	-105.2406	39.4689	Bailey	Platte Canyon	FT	Apatite	65.9	5.7	65.9	Kelley and Chapin (2004)	Laramide annealing zone.
2101	Granite		94SPR15	-105.2264	39.4389	Bailey	Platte Canyon	FT	Apatite	114	7.6	114.1	Kelley and Chapin (2004)	Laramide partial annealing zone.
2102	Amphibolite		94SPR16	-105.1642	39.4108	Bailey	Platte Canyon	FT	Apatite	51	5.6	51	Kelley and Chapin (2004)	Laramide annealing zone.
2103	Sandstone dike float		97SPR37	-105.1186	39.4336	Bailey	Kassler	FT	Apatite	69.5	5.3	69.5	Kelley and Chapin (2004)	Laramide annealing zone.
2104	Gneiss		96SPR39	-105.1219	39.4283	Bailey	Kassler	FT	Apatite	70.6	5.2	70.6	Kelley and Chapin (2004)	Laramide annealing zone.
2105	Gneiss		96SPR40	-105.1211	39.4256	Bailey	Kassler	FT	Apatite	70.8	9.3	70.8	Kelley and Chapin (2004)	Laramide annealing zone.
2106	Gneiss		96SPR42	-105.1181	39.4286	Bailey	Kassler	FT	Apatite	74.2	4.8	74.2	Kelley and Chapin (2004)	Laramide annealing zone.
2107	Granodiorite		94SPR17	-105.1075	39.4853	Bailey	Kassler	FT	Apatite	194	12.7	194.4	Kelley and Chapin (2004)	Laramide partial annealing zone.
2108	Gneiss		94SPR19	-105.1236	39.4389	Bailey	Kassler	FT	Apatite	47.1	6.4	47.1	Kelley and Chapin (2004)	Laramide annealing zone.
2109	Gneiss		94SPR20	-105.1217	39.4461	Bailey	Kassler	FT	Apatite	65.2	4.5	65.2	Kelley and Chapin (2004)	Laramide annealing zone.
2110	Granite		94SRP21	-105.1294	39.4775	Bailey	Platte Canyon	FT	Apatite	64.4	4.1	64.4	Kelley and Chapin (2004)	Laramide annealing zone.
2111	Gneiss		95SPR22	-105.4731	39.4133	Bailey	Bailey	FT	Apatite	123	10.1	122.8	Kelley and Chapin (2004)	Laramide partial annealing zone.
2112	Granite		95SPR23B	-105.4719	39.4189	Bailey	Bailey	FT	Apatite	152	16.1	151.9	Kelley and Chapin (2004)	Laramide partial annealing zone.
2113	Granite		95SPR24	-105.5464	39.3692	Bailey	Topaz Mountain	FT	Apatite	156	11	155.8	Kelley and Chapin (2004)	Laramide partial annealing zone.
2114	Granodiorite		95SPR25	-105.5428	39.3683	Bailey	Topaz Mountain	FT	Apatite	131	9.4	130.9	Kelley and Chapin (2004)	Laramide partial annealing zone.
2115	Granitic gneiss		95SPR26	-105.5306	39.3936	Bailey	Shawnee	FT	Apatite	150	8.4	149.9	Kelley and Chapin (2004)	Laramide partial annealing zone.
2116	Granitic gneiss		95SPR27	-105.5206	39.3972	Bailey	Shawnee	FT	Apatite	120	10.7	119.6	Kelley and Chapin (2004)	Laramide partial annealing zone.
2117	Granite		95SPR29	-105.1181	39.4497	Bailey	Kassler	FT	Apatite	112	7.7	111.9	Kelley and Chapin (2004)	Laramide partial annealing zone.
2118	Granitic gneiss		95SPR30	-105.1186	39.4506	Bailey	Kassler	FT	Apatite	119	8.8	118.9	Kelley and Chapin (2004)	Laramide partial annealing zone.
2119	Granite		95SPR31	-105.1461	39.4769	Bailey	Platte Canyon	FT	Apatite	76.8	6	76.8	Kelley and Chapin (2004)	Laramide annealing zone.
2120	Granitic gneiss		95SPR32	-105.1406	39.475	Bailey	Platte Canyon	FT	Apatite	79.8	5.8	79.8	Kelley and Chapin (2004)	Laramide annealing zone.
2121	Schist		95SPR33	-105.1344	39.4719	Bailey	Platte Canyon	FT	Apatite	66.1	6.2	66.1	Kelley and Chapin (2004)	Laramide annealing zone.
2122	Granitic gneiss		95SPR34	-105.1269	39.4794	Bailey	Platte Canyon	FT	Apatite	93.4	8.8	93.4	Kelley and Chapin (2004)	Laramide partial annealing zone.
2123	Gneiss and schist		95SPR35	-105.1192	39.4833	Bailey	Kassler	FT	Apatite	120	12.2	119.6	Kelley and Chapin (2004)	Laramide partial annealing zone.
2124	Monzonite		94TAR01	-105.6272	39.2225	Bailey	Eagle Rock	FT	Apatite	74.9	9.3	74.9	Kelley and Chapin (2004)	Laramide annealing zone.
2125	Monzonite		94TAR02	-105.6042	39.2358	Bailey	Farnum Peak	FT	Apatite	78.4	4.9	78.4	Kelley and Chapin (2004)	Laramide partial annealing zone.
2126	Pyroxene amphibolite		501	-105.9058	39.4594	Bailey	Boreas Pass	FT	Apatite	79	38	79	Bryant and Naeser (1980)	Laramide annealing zone.
2127	Muscovite-biotite monzogranite		A-1	-105.7589	39.4136	Bailey	Jefferson	FT	Apatite	49.8	4	49.8	Bryant and Naeser (1980)	Laramide annealing zone.
2128	Muscovite-biotite monzogranite		A-2	-105.7583	39.3228	Bailey	Milligan Lakes	FT	Apatite	148	19	148	Bryant and Naeser (1980)	Laramide partial annealing zone.
2129	Muscovite-biotite monzogranite		A-3	-105.7528	39.3069	Bailey	Milligan Lakes	FT	Apatite	124	18	124	Bryant and Naeser (1980)	Laramide partial annealing zone.
2130	Muscovite-biotite monzogranite		A-4	-105.7083	39.2972	Bailey	Observatory Rock	FT	Apatite	130	25	130	Bryant and Naeser (1980)	Laramide partial annealing zone.
2131	Muscovite-biotite monzogranite		A-5	-105.7681	39.3092	Bailey	Milligan Lakes	FT	Apatite	245	30	245	Bryant and Naeser (1980)	Laramide (and/or Late Paleozoic) partial annealing zone.
2132	Biotite-muscovite monzogranite		A-7	-105.7978	39.1861	Bailey	Elkhorn	FT	Apatite	473	100	473	Bryant and Naeser (1980)	Laramide partial annealing zone.
2133	Muscovite-biotite granite		A-9	-105.7181	39.0914	Bailey	Sulphur Mountain	FT	Apatite	352	18	352	Bryant and Naeser (1980)	Laramide partial annealing zone.
2134	Porphyritic biotite granodiorite	Bald Mountain sill	233	-105.9367	39.3603	Bailey	Como	FT	Apatite	41.1	10	41.1	Bryant and others (1981)	South end of sill.
2135	Porphyritic biotite granodiorite	Bald Mountain sill	233	-105.9367	39.3603	Bailey	Como	FT	Sphene	39.9	2	39.9	Bryant and others (1981)	South end of sill.
2136	Porphyritic hornblende-biotite monzogranite	Bald Mountain sill	503	-105.9269	39.3444	Bailey	Como	FT	Apatite	40.6	5.8	40.6	Bryant and others (1981)	South end of sill.
2137	Porphyritic Hornblende-biotite trachydacite	Sill in Benton Group	328	-105.8344	39.4219	Bailey	Jefferson	FT	Apatite	56.4	7.4	56.4	Bryant and others (1981)	2% rock fragments and impurties. Has many defects. Age only approximate.
2138	Dacite flow breccia	Underlies Wall Mountain Tuff	430a	-105.8986	39.0133	Bailey	Garo	FT	Apatite	42.8	5.1	42.8	Bryant and others (1981)	
2139	Hornblende-biotite-plagioclase-quartz crystal tuff	South Park Formation	W-1-75	-105.8086	39.2303	Bailey	Elkhorn	FT	Apatite	66.5	11.6	66.5	Bryant and others (1981)	About 1600 m above base.
2140	Hornblende-biotite-plagioclase-quartz crystal tuff	Link Springs Tuff Member of the South Park Formation	150	-105.8256	39.2575	Bailey	Milligan Lakes	FT	Apatite	66.4	12	66.4	Bryant and others (1981)	
2141	Dacite flow	South Park formation	325	-105.8528	39.2975	Bailey	Milligan Lakes	FT	Apatite	63.3	8.5	63.3	Bryant and others (1981)	About 160 m above base.
2142	Pyroxene-hornblende trachydacite		SB-1	-105.2222	39.0583	Bailey	Signal Butte	FT	Sphene	43.3	3.9	43.3	Marvin and others (1974) [#208]	Plug rises 150 m above well developed erosion surface.
2143	Tuffaceous sands	Antero Formation	1315	-105.7177	39.1258	Bailey	Eagle Rock	40Ar/39Ar	Sanidine	33.8	0.12	33.76	McIntosh and Chapin (2004)	Samples #65 and 66 (sample nos. 1315 and 1318) and six others from the Antero Fomation give a rounded age of 33.9 (McIntosh and Chapin, 2004).

2144	Pumaceous sandstone	Antero Formation	1318	-105.6858	39.1002	Bailey	Sulfur Mountain	40Ar/39Ar	Sanidine	33.8	0.09	33.78	McIntosh and Chapin (2004)	Samples #65 and 66 (sample nos. 1315 and 1318) and six others from the Antero Fomation give a rounded age of 33.9 (McIntosh and Chapin, 2004).
2145	Fayalite-quartz syenite	Pikes Peak batholith	B65D	-105.1731	39.1914	Bailey	Westcreek	U-Pb	Zircon	1086	2.5	1085.6	Smith and others (1999)	
2146	Quartz-fayalite syenite	Pikes Peak batholith		-105.1731	39.1914	Bailey	Westcreek	U-Pb	Zircon	1093	20	1093	Schaerer and Allegre (1982)	Based on 12 fragments of a single grain.
2147	Granite	Silver Plume Granite	LP-4	-105.9014	39.7244	Denver West	Loveland Pass	FT	Apatite	19	7.9	19	Naeser and others (2002)	Annealing age.
2148	Amphibolite		LP-2	-105.8939	39.7253	Denver West	Loveland Pass	FT	Apatite	19.5	3.3	19.5	Naeser and others (2002)	Annealing age.
2149	Granite	Silver Plume Granite	GP-2	-105.8439	39.7231	Denver West	Grays Peak	FT	Apatite	21.7	4.5	21.7	Naeser and others (2002)	Annealing age.
2150	Granite	Silver Plume Granite	GP-7	-105.7925	39.7175	Denver West	Grays Peak	FT	Apatite	21.8	5.8	21.8	Naeser and others (2002)	Annealing age.
2151	Granite	Silver Plume Granite	GP-3	-105.8506	39.7039	Denver West	Grays Peak	FT	Apatite	23.4	6.2	23.4	Naeser and others (2002)	Annealing age.
2152	Granite	Silver Plume Granite	GP-1	-105.8306	39.7111	Denver West	Grays Peak	FT	Apatite	25.9	6.3	25.9	Naeser and others (2002)	Annealing age.
2153	Amphibolite		LP-7	-105.9111	39.7181	Denver West	Loveland Pass	FT	Apatite	32.3	5.8	32.3	Naeser and others (2002)	Annealing age.
2154	Granite	Silver Plume Granite	GP-6	-105.8289	39.7183	Denver West	Grays Peak	FT	Apatite	34.3	5.5	34.3	Naeser and others (2002)	Tertiary partial annealing (?}.
2155	Granite	Silver Plume Granite	GP-4	-105.8219	39.7186	Denver West	Grays Peak	FT	Apatite	43.4	14.3	43.4	Naeser and others (2002)	Tertiary partial annealing.
2156	Granite	Silver Plume Granite	GP-5	-105.8264	39.7206	Denver West	Grays Peak	FT	Apatite	48.3	6.8	48.3	Naeser and others (2002)	Tertiary partial annealing.
2157	Gneiss		00GP02	-105.8111	39.6358	Denver West	Grays Peak	FT	Apatite	43	3.7	43	Kelley and Chapin (2004)	Annealing age.
2158	Biotite-quartz-feldspar gneiss		MS-1	-105.9328	39.5017	Denver West	Keystone	FT	Apatite	45.1	5.9	45.1	Bryant and Naeser (1980)	Annealing age.
2159	Biotite monzogranite gneiss		334	-105.4306	39.6128	Denver West	Meridian Hill	FT	Apatite	68.5	5	68.5	Bryant and Naeser (1980); Naeser and others (2002)	Laramide annealing zone.
2160	Hornblende-biotite granodiorite gneiss		337	-105.5219	39.6364	Denver West	Idaho Springs	FT	Apatite	66.5	4	66.5	Bryant and Naeser (1980); Naeser and others (2002)	Laramide annealing zone.
2161	Granodiorite gneiss		338	-105.5503	39.6339	Denver West	Idaho Springs	FT	Apatite	57.8	8.7	57.8	Bryant and Naeser (1980); Naeser and others (2002)	Laramide annealing zone.
2162	Granodiorite gneiss		345	-105.6306	39.58	Denver West	Mount Evans	FT	Apatite	90.2	12.7	90.2	Bryant and Naeser (1980); Naeser and others (2002)	Laramide partial annealing zone.
2163	Biotite monzogranite gneiss		341	-105.6417	39.5711	Denver West	Mount Evans	FT	Apatite	134	7	134	Bryant and Naeser (1980); Naeser and others (2002)	Laramide partial annealing zone.
2164	Gneiss		94CC02	-105.4361	39.7464	Denver West	Squaw Pass	FT	Apatite	47.7	6.5	47.7	Kelley and Chapin (2004)	Laramide annealing zone.
2165	Gneiss		94CC04	-105.4064	39.7431	Denver West	Squaw Pass	FT	Apatite	52.4	5.8	52.4	Kelley and Chapin (2004)	Laramide annealing zone.
2166	Granitic gneiss		95CC12	-105.3672	39.7344	Denver West	Evergreen	FT	Apatite	53.3	3.9	53.3	Kelley and Chapin (2004)	Laramide annealing zone.
2167	Granite		96COCO1	-105.2706	39.8789	Denver West	Eldorado Springs	FT	Apatite	58.1	7.1	58.1	Kelley and Chapin (2004)	Laramide annealing zone.
2168	Metarhyolite		96COCO2	-105.2731	39.8794	Denver West	Eldorado Springs	FT	Apatite	50.8	5.2	50.8	Kelley and Chapin (2004)	Laramide annealing zone.
2169	Gneiss		97VBO1	-105.2586	39.8039	Denver West	Ralston Buttes	FT	Apatite	59.3	4.9	59.3	Kelley and Chapin (2004)	Laramide annealing zone.
2170	Gneiss		97VB02	-105.2583	39.8019	Denver West	Ralston Buttes	FT	Apatite	48.8	6.9	48.8	Kelley and Chapin (2004)	Laramide annealing zone.
2171	Schist		97VB03	-105.2844	39.8219	Denver West	Ralston Buttes	FT	Apatite	63.1	7.1	63.1	Kelley and Chapin (2004)	Laramide annealing zone.
2172	Schist		97VB04	-105.2906	39.8147	Denver West	Ralston Buttes	FT	Apatite	67.3	4.8	67.3	Kelley and Chapin (2004)	Laramide annealing zone.
2173	Gneiss		97VB05	-105.3283	39.8333	Denver West	Ralston Buttes	FT	Apatite	52.8	5.9	52.8	Kelley and Chapin (2004)	Laramide annealing zone.
2174	Gneiss		97VB06	-105.3544	39.8472	Denver West	Ralston Buttes	FT	Apatite	52.6	4.1	52.6	Kelley and Chapin (2004)	Laramide annealing zone.
2175	Monzonite		97VB07	-105.4011	39.8261	Denver West	Blackhawk	FT	Apatite	67.8	4.6	67.8	Kelley and Chapin (2004)	Laramide annealing zone.
2176	Monzonite		97VB08	-105.3972	39.8272	Denver West	Blackhawk	FT	Apatite	74.7	5.2	74.7	Kelley and Chapin (2004)	Laramide annealing zone.
2177	Granitic gneiss		95CC09	-105.3586	39.7519	Denver West	Ralston Buttes	FT	Apatite	54	4.3	54	Kelley and Chapin (2004)	Laramide annealing zone.
2178	Gneiss		94CC03	-105.4381	39.7461	Denver West	Squaw Pass	FT	Apatite	55.6	5.9	55.6	Kelley and Chapin (2004)	Laramide annealing zone.
2179	Granitic gneiss		95CC10	-105.3611	39.7481	Denver West	Evergreen	FT	Apatite	57.2	6	57.2	Kelley and Chapin (2004)	Laramide annealing zone.
2180	Granite		95CC07	-105.2933	39.7422	Denver West	Evergreen	FT	Apatite	59.7	4	59.7	Kelley and Chapin (2004)	Laramide annealing zone.
2181	Granitic lens in amphibolite		95GGC01	-105.3553	39.7853	Denver West	Ralston Buttes	FT	Apatite	60.1	4.1	60.1	Kelley and Chapin (2004)	Laramide annealing zone.
2182	Schist		95GGC02	-105.33	39.7844	Denver West	Ralston Buttes	FT	Apatite	62.5	4.2	62.5	Kelley and Chapin (2004)	Laramide annealing zone.
2183	Phyllite/schist		96GGC03	-105.2422	39.7847	Denver West	Golden	FT	Apatite	143	10.2	142.8	Kelley and Chapin (2004)	Laramide partial annealing zone.
2184	Granitic gneiss		95CC08	-105.2847	39.7386	Denver West	Evergreen	FT	Apatite	61	4.9	61	Kelley and Chapin (2004)	Laramide annealing zone.
2185	Gneiss		94CC05	-105.3278	39.7414	Denver West	Evergreen	FT	Apatite	62.3	4.6	62.3	Kelley and Chapin (2004)	Laramide annealing zone.
2186	Schist		95GG02	-105.33	39.7844	Denver West	Ralston Buttes	FT	Apatite	62.5	4.2	62.5	Kelley and Chapin (2004)	Laramide annealing zone.
2187	Granitic gneiss		95CC11	-105.3672	39.7436	Denver West	Evergreen	FT	Apatite	66.8	5.8	66.8	Kelley and Chapin (2004)	Laramide annealing zone.
2188	Granitic gneiss		96CC13	-105.2811	39.7464	Denver West	Evergreen	FT	Apatite	61.8	4.5	61.8	Kelley and Chapin (2004)	Laramide annealing zone.
2189	Granitic gneiss		96CC14	-105.2822	39.7453	Denver West	Evergreen	FT	Apatite	56	3.8	56	Kelley and Chapin (2004)	Laramide annealing zone.
2190	Granitic gneiss		96CC15	-105.2822	39.7431	Denver West	Evergreen	FT	Apatite	63.1	5.8	63.1	Kelley and Chapin (2004)	Laramide annealing zone.
2191	Granitic gneiss		96CC16	-105.2828	39.7428	Denver West	Evergreen	FT	Apatite	59.4	4.8	59.4	Kelley and Chapin (2004)	Laramide annealing zone.
2192	Migmatitic gneiss		94CC01	-105.2503	39.7475	Denver West	Evergreen	FT	Apatite	98.9	7	98.9	Kelley and Chapin (2004)	Laramide partial annealing zone.
2193	Gneiss		92GO02	-105.2389	39.7494	Denver West	Morrison	FT	Apatite	101	5.6	100.8	Kelley and Chapin (2004)	Laramide partial annealing zone.
2194	Granitic gneiss		96CC06	-105.2369	39.7542	Denver West	Golden	FT	Apatite	116	19.4	115.7	Kelley and Chapin (2004)	Laramide partial annealing zone.
2195	Gneiss		92GO01	-105.2419	39.7539	Denver West	Golden	FT	Apatite	150	19	149.7	Kelley and Chapin (2004)	Laramide partial annealing zone.
2196	Gneiss		92GO03	-105.2439	39.7472	Denver West	Morrison	FT	Apatite	196	13.2	196	Kelley and Chapin (2004)	Laramide partial annealing zone.
2197	Gneiss		92GO04	-105.2414	39.7439	Denver West	Morrison	FT	Apatite	263	17.6	263	Kelley and Chapin (2004)	Laramide partial annealing zone.
2198	Granite and biotite schist		99DC04	-105.16	39.5461	Denver West	Indian Hills	FT	Apatite	233	13.3	233.1	Kelley and Chapin (2004)	Laramide partial annealing zone.
2199	Granite		99DC05	-105.1689	39.5442	Denver West	Indian Hills	FT	Apatite	135	15.6	135	Kelley and Chapin (2004)	Laramide partial annealing zone.
2200	Granitic gneiss		96SPR45	-105.66	39.5158	Denver West	Mount Evans	FT	Apatite	71.7	5	71.7	Kelley and Chapin (2004)	Laramide annealing zone.
2201	Biotite Gneiss		96SPR47B	-105.6833	39.5019	Denver West	Mount Evans	FT	Apatite	58.5	4.1	58.5	Kelley and Chapin (2004)	Laramide annealing zone.
2202	Pegmatite		FT-01	-105.2667	39.8333	Denver West	Ralston Buttes	FT	Apatite	63.9	9	63.9	Marvin and Dobson (1979)	Laramide annealing zone.
2203	Gneiss		FT-02	-105.2625	39.7667	Denver West	Ralston Buttes	FT	Apatite	109	12	109	Marvin and Dobson (1979)	Laramide partial annealing zone.
2204	Quartzite	Quartzite of Coal Creek	84-CA-4	-105.3303	39.8903	Denver West	Eldorado Springs	U-Pb	Zircon (detrital)	0	Not report	1800-1880	Aleinikoff, Reed, and Wooden (1993)	U-Pb zircon ranges from 1800-1880 Ma. Estimated provenance ages. Probable multiple lead loss in three fractions of 1800-1880 Ma zircon.
2205	Quartzite	Quartzite of Coal Creek	84-CA-4	-105.3303	39.8903	Denver West	Eldorado Springs	207Pb/206Pb	Zircon	1786	Not report	1786	Aleinikoff, Reed, and Wooden (1993)	Rounded pale pink zircons.
2206	Quartzite	Quartzite of Coal Creek	84-CA-4	-105.3303	39.8903	Denver West	Eldorado Springs	207Pb/206Pb	Zircon	1724	Not report	1724	Aleinikoff, Reed, and Wooden (1993)	Euhedral pale pink zircons.
2207	Quartzite	Quartzite of Coal Creek	84-CA-4	-105.3303	39.8903	Denver West	Eldorado Springs	207Pb/206Pb	Zircon	1536	Not report	1536	Aleinikoff, Reed, and Wooden (1993)	Dark magnetic zircons.
2208	Quartz monzonite	Boulder Creek quartz monzonite	83-02	-105.3494	39.9433	Denver West	Eldorado Springs	U-Pb	Zircon	1672	8	1672	Premo and Van Schmus (1989)	Upper intercept on concordia diagram.
2209	Quartz monzonite	Boulder Creek quartz monzonite	83-03	-105.3467	39.94	Denver West	Eldorado Springs	U-Pb	Zircon	1670	4	1670	Premo and Van Schmus (1989)	Upper intercept on concordia diagram.
2210	Quartz monzonite	Boulder Creek quartz monzonite	83-02	-105.3494	39.9433	Denver West	Eldorado Springs	U-Pb	Zircon	1713	10	1713	Premo and Fanning (2000)	SHRIMP age. Upper intercept on concordia diagram.
2211	Quartz monzonite	Boulder Creek quartz monzonite	83-03	-105.3467	39.94	Denver West	Eldorado Springs	U-Pb	Zircon	1721	15	1721	Premo and Fanning (2000)	SHRIMP age. Upper intercept on concordia diagram. This sample from the Henderson mine area.
2212	Monzogranite	Mount Evans pluton	A509182	-105.625	39.6081	Denver West	Mount Evans	U-Pb	Zircon	1442	1.1	1442	Aleinikoff, Reed, and DeWitt (1993)	
2213	Granite	Granite of Rosalie Peak	A509181	-105.6303	39.5725	Denver West	Mount Evans	U-Pb	Zircon	1448	9	1448	Aleinikoff, Reed, and DeWitt (1993)	
2214	Mafic inclusion in Mt. Evans batholith		R0706-4	-105.6081	39.6053	Denver West	Harris Park	40Ar/39Ar	Hornblende	1390	3	1390	Shaw and others (1999)	Location, rock type, and some comments are from an unpublished compilation by J.C. Reed, Jr.; hornblende megacryst
2215	Mafic inclusion in Mt. Evans batholith		R0706-4	-105.6081	39.6053	Denver West	Harris Park	40Ar/39Ar	Hornblende	1410	3	1410	Shaw and others (1999)	Location, rock type, and some comments are from an unpublished compilation by J.C. Reed, Jr.
2216	Mafic inclusion in Mt. Evans batholith		R0706-4	-105.6081	39.6053	Denver West	Harris Park	40Ar/39Ar	Biotite	1298	1.5	1298	Shaw and others (1999)	Location, rock type, and some comments are from an unpublished compilation by J.C. Reed, Jr.
2217	Amphibolite layer		R0706-1	-105.4244	39.69	Denver West	Squaw Pass	40Ar/39Ar	Hornblende	1418	3	1418	Shaw and others (1999)	Location, rock type, and some comments are from an unpublished compilation by J.C. Reed, Jr.
2218	Amphibolite lens		R0706-5	-105.4133	39.7403	Denver West	Squaw Pass	40Ar/39Ar	Hornblende	1442	2	1442	Shaw and others (1999)	Location, rock type, and some comments are from an unpublished compilation by J.C. Reed, Jr.
2219	Feldspar-quartz-biotite-muscovite pegmatite		22500	-105.485	39.9508	Denver West	Tungsten	40Ar/39Ar	Biotite	1220	Not report	1220	Berger (1975)	Regional cooling age; coarse biotite.
2220	Amphibolite included in pegmatite		9400	-105.5161	39.9556	Denver West	Nederland	40Ar/39Ar	Hornblende	1405	Not report	1405	Berger (1975)	Regional cooling age.
2221	Kimberlite	Green Mountain diatreme	Green Mountain diatreme	-105.3011	39.9892	Denver West	Eldorado Springs	Sm-Nd	Whole-rock, minerals	572	49	572	Lester and others (2001)	Isochron age.
2222	Kimberlite	Green Mountain diatreme	Green Mountain diatreme	-105.3011	39.9892	Denver West	Eldorado Springs	FT	Sphene	367	15	367	Larson and Amini (1981)	Emplacement age.
2223	Kimberlite	Green Mountain diatreme	Green Mountain diatreme	-105.3011	39.9892	Denver West	Eldorado Springs	FT	Apatite	77.1	5	77.1	Larson and Amini (1981)	Laramide partial (?) annealing zone.
2224	Quartz monzonite	Eldora stock	EC-1	-105.5917	39.95	Denver West	Nederland	FT	Sphene	67.1	7.5	67.1	Marvin and others (1974) [#64]	
2225	Quartz monzonite	Eldora stock	EC-1	-105.5917	39.95	Denver West	Nederland	FT	Apatite	73	7	73	Marvin and others (1974) [#64]	
2226	Biotite-hornblende quartz monzonite	Eldora stock	E-1	-105.5878	39.9517	Denver West	Nederland	FT	Apatite	58.6	9.4	58.6	Cunningham and others (1994)	
2227	Monzonite	Empire stock		-105.7192	39.7628	Denver West	Empire	FT	Sphene	67.8	4.5	67.8	Marvin and others (1974) [#78]	
2228	Hornblende-pyroxene monzonite	Empire stock	EM-1	-105.7222	39.7633	Denver West	Empire	FT	Sphene	66	6.2	66	Cunningham and others (1994), p. 3, 7, 19.	
2229	Hornblende-pyroxene monzonite	Empire stock	EM-1	-105.7222	39.7633	Denver West	Empire	FT	Apatite	37.4	2.8	37.4	Cunningham and others (1994)	
2230	Hornblende-biotite quartz monzonite	Apex stock	A-1	-105.555	39.8675	Denver West	Central City	FT	Apatite	71.3	18	71.3	Cunningham and others (1994)	
2231	Hornblende-biotite quartz monzonite		A-2	-105.555	39.8675	Denver West	Central City	FT	Apatite	66.8	7.5	66.8	Cunningham and others (1994)	Dike intruding A-1.
2232	Trachybasalt			-105.2242	39.7614	Denver West	Golden	40Ar/39Ar	Whole-rock	63.9	1.2	63.94	Obradovich (2002); unpub. report from New Mexico geochronolog	
2233	Rhyolite tuff	Green Mountain Conglomerate		-105.1844	39.7092	Denver West	Morrison	40Ar/39Ar	Sanidine	63.9	0.28	63.94	Obradovich (2002)	
2234	Granite porphyry	Red Mountain porphyry	8	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	29.9	0.3	29.9	Geissman and others (1992)	Disrupted spectrum, preferred age.
2235	Lamprophyre		9	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Biotite	29.8	0.1	29.81	Geissman and others (1992)	Disrupted spectrum, preferred age.
2236	Rhyolite dike		10	-105.8333	39.7583	Denver West	Berthoud Pass	40Ar/39Ar	Orthoclase	29.4	0.2	29.4	Geissman and others (1992)	Disrupted spectrum, excess argon.
2237	Mafic inclusion	Boulder Creek Granodiorite	ISSZR30416-3	-105.3606	40.0044	Estes Park	Boulder	40Ar/39Ar	Hornblende	1430	8	1429	Shaw and others (1999)	
2238	Granodiorite			-105.3647	40.115	Estes Park	Boulder	FT	Apatite	52.9	8	52.9	Marvin and others (1974) [#67]	Pluton.
2239	Monzonite porphyry		B1382	-105.3283	40.095	Estes Park	Boulder	FT	Sphene	50.6	7.1	50.6	Marvin and others (1974) [#69]	Stock.
2240	Mafic monzonite	Valmont dike	76CS94	-105.1903	40.0347	Estes Park	Niwot	Rb-Sr	Whole-rock	64	Not report	64	Simmons and Hedge (1978)	
2241	Granodiorite	Jamestown stock	JS-3	-105.3917	40.1111	Estes Park	Gold Hill	FT	Apatite	47.1	5.8	47.1	Cunningham and others (1994)	
2242	Bostonite	Bald Mountain stock	Bos 1	-105.4525	40.0383	Estes Park	Gold Hill	40Ar/39Ar	Orthoclase	48.2	0.29	48.19	Kane (1988); Kane and others (1988)	Plateau age.
2243	Granitic gneiss		96BT01	-105.4881	40.3736	Estes Park	Panorama Peak	FT	Apatite	48.7	6.8	48.7	Kelley and Chapin (2004)	Laramide annealing zone.
2244	Granitic gneiss		96BT02	-105.4686	40.3814	Estes Park	Glen Haven	FT	Apatite	57.9	6.7	57.9	Kelley and Chapin (2004)	Laramide annealing zone.
2245	Granite		96BT03	-105.3186	40.4297	Estes Park	Drake	FT	Apatite	55.3	9.8	55.3	Kelley and Chapin (2004)	Laramide annealing zone.
2246	Granite		96BT04	-105.2322	40.4225	Estes Park	Masonville	FT	Apatite	45.4	3.4	45.4	Kelley and Chapin (2004)	Laramide annealing zone.
2247	Granite porphyry		96BT05	-105.2317	40.4306	Estes Park	Masonville	FT	Apatite	64.8	8.4	64.8	Kelley and Chapin (2004)	Laramide annealing zone.
2248	Muscovite-biotite granite		96BT06	-105.3547	40.4225	Estes Park	Drake	FT	Apatite	62.5	4.7	62.5	Kelley and Chapin (2004)	Laramide annealing zone.
2249	Granite porphyry		96SV01	-105.3064	40.2047	Estes Park	Lyons	FT	Apatite	47.5	5.2	47.5	Kelley and Chapin (2004)	Laramide annealing zone.
2250	Granite		99SV02	-105.5022	40.1414	Estes Park	Allens Park	FT	Apatite	57.6	4.7	57.6	Kelley and Chapin (2004)	Laramide annealing zone.
2251	Sandstone	Fountain Formation	99SV03	-105.2761	40.2153	Estes Park	Lyons	FT	Apatite	49.5	3.4	49.5	Kelley and Chapin (2004)	Laramide annealing zone.
2252	Granite		99SV05	-105.3417	40.1822	Estes Park	Lyons	FT	Apatite	53.1	5.8	53.1	Kelley and Chapin (2004)	Laramide annealing zone.
2253	Granite		99SV06	-105.3797	40.1714	Estes Park	Raymond	FT	Apatite	54.6	4.5	54.6	Kelley and Chapin (2004)	Laramide annealing zone.
2254	Granite		99SV07	-105.4478	40.1681	Estes Park	Raymond	FT	Apatite	60.2	9.3	60.2	Kelley and Chapin (2004)	Laramide annealing zone.
2255	Granite		99SV08	-105.4631	40.1692	Estes Park	Raymond	FT	Apatite	46.9	5.9	46.9	Kelley and Chapin (2004)	Laramide annealing zone.
2256	Granitic gneiss		99TS01	-105.5225	40.2928	Estes Park	Longs Peak	FT	Apatite	50.9	4.2	50.9	Kelley and Chapin (2004)	Laramide annealing zone.
2257	Granitic gneiss		99TS02	-105.5317	40.2953	Estes Park	Longs Peak	FT	Apatite	54.1	4.2	54.1	Kelley and Chapin (2004)	Laramide annealing zone.
2258	Granite		99LP01	-105.615	40.2547	Estes Park	Longs Peak	FT	Apatite	51.7	4.3	51.7	Kelley and Chapin (2004)	Laramide annealing zone.
2259	Granite		99LP02	-105.6189	40.255	Estes Park	Longs Peak	FT	Apatite	55.1	4.2	55.1	Kelley and Chapin (2004)	Laramide annealing zone.
2260	Granite		99LP03	-105.6217	40.2603	Estes Park	Longs Peak	FT	Apatite	45.1	8.5	45.1	Kelley and Chapin (2004)	Laramide annealing zone.
2261	Granite		99LP04	-105.6053	40.2747	Estes Park	Longs Peak	FT	Apatite	53.3	5.4	53.3	Kelley and Chapin (2004)	Laramide annealing zone.
2262	Granite		99LP05	-105.5864	40.2717	Estes Park	Longs Peak	FT	Apatite	49.2	5.1	49.2	Kelley and Chapin (2004)	Laramide annealing zone.
2263	Granite		99LP06	-105.5547	40.2714	Estes Park	Longs Peak	FT	Apatite	47.3	4.2	47.3	Kelley and Chapin (2004)	Laramide annealing zone.
2264	Pegmatite in schist		99CP01	-105.7003	40.4339	Estes Park	Trail Ridge	FT	Apatite	57.6	3.4	57.6	Kelley and Chapin (2004)	Laramide annealing zone.
2265	Mica schist		99CP02b	-105.7256	40.4339	Estes Park	Trail Ridge	FT	Apatite	54.5	3.7	54.5	Kelley and Chapin (2004)	Laramide annealing zone.
2266	Granodiorite in granite pluton		99FF01	-105.6667	40.3478	Estes Park	McHenrys Peak	FT	Apatite	51.1	5.2	51.1	Kelley and Chapin (2004)	Laramide annealing zone.
2267	Granitic gneiss		00IP02	-105.6739	40.1381	Estes Park	Isolation Peak	FT	Apatite	41	5.4	41	Kelley and Chapin (2004)	Laramide (?) annealing zone.
2268	Granitic gneiss		00IP03	-105.6722	40.1408	Estes Park	Isolation Peak	FT	Apatite	67.4	6	67.4	Kelley and Chapin (2004)	Laramide annealing zone.
2269	Granitic gneiss		00IP04	-105.6689	40.1328	Estes Park	Isolation Peak	FT	Apatite	58.8	4.3	58.8	Kelley and Chapin (2004)	Laramide annealing zone.
2270	Granitic gneiss		00IP05	-105.6719	40.1256	Estes Park	Isolation Peak	FT	Apatite	53	4.3	53	Kelley and Chapin (2004)	Laramide annealing zone.
2271	Granite Gneiss		96BCO1	-105.3016	40.013	Estes Park	Boulder	FT	Apatite	62.3	3.8	62.3	Kelley and Chapin (2004)	Laramide annealing zone.
2272	Clinopyroxene latite porphyry	Sill in Benton Shale		-105.9025	40.0488	Estes Park	Granby	FT	Apatite	66	4.2	66	Schroeder (1995)	Cooling age.
2273	Porphyritic rhyodacite		USGS(D)-73N1	-105.5189	40.6931	Fort Collins	Rustic	FT	Apatite	47.5	5	47.5	McCallum and Naeser (1977)	Dike.
2274	Porphyritic rhyodacite to quartz latite		USGS(D)-73N3	-105.5894	40.7172	Fort Collins	Rustic	FT	Apatite	58	5	58	McCallum and Naeser (1977)	Dike.
2275	Sodic, quartz-rich dacite porphyry		USGS(D)-73N4	-105.5817	40.7264	Fort Collins	Rustic	FT	Apatite	58	9	58	McCallum and Naeser (1977)	Dike.
2276	Porphyritic hornblende dacite		USGS(D)-73N5	-105.6031	40.735	Fort Collins	Rustic	FT	Apatite	56.6	6	56.6	McCallum and Naeser (1977)	Dike.
2277	Rhyolite breccia		USGS(D)-73N6	-105.5389	40.7242	Fort Collins	Rustic	FT	Apatite	36	4	36	McCallum and Naeser (1977)	Pipe.
2278	Granite		00LIV02	-105.3736	40.7386	Fort Collins	Poudre Park	FT	Apatite	54	5.7	54	Kelley and Chapin (2004)	Laramide annealing zone.
2279	Granite		00LIV03	-105.3017	40.8319	Fort Collins	Livermore Mountain	FT	Apatite	72.3	7.1	72.3	Kelley and Chapin (2004)	Laramide annealing zone.
2280	Granitic gneiss		00LIV04	-105.3122	40.8361	Fort Collins	Livermore Mountain	FT	Apatite	50	5.1	50	Kelley and Chapin (2004)	Laramide annealing zone.
2281	Granite		00LIV05	-105.2747	40.9278	Fort Collins	Virginia Dale	FT	Apatite	51	5.3	51	Kelley and Chapin (2004)	Laramide annealing zone.
2282	Biotite schist		00LIV06	-105.3389	40.9294	Fort Collins	Virginia Dale	FT	Apatite	81.2	4.6	81.2	Kelley and Chapin (2004)	Laramide annealing or partial annealing zone.
2283	Schist		94PR01	-105.2147	40.6647	Fort Collins	Laporte	FT	Apatite	56.4	3.9	56.4	Kelley and Chapin (2004)	Laramide annealing zone.
2284	Schist		94PR02	-105.2486	40.6994	Fort Collins	Laporte	FT	Apatite	75.8	4.6	75.8	Kelley and Chapin (2004)	Laramide annealing zone.
2285	Gneiss		94PR03	-105.2553	40.6919	Fort Collins	Poudre Park	FT	Apatite	57.6	3.9	57.6	Kelley and Chapin (2004)	Laramide annealing zone.
2286	Schist/gneiss		94PR04	-105.295	40.6883	Fort Collins	Poudre Park	FT	Apatite	70.5	5	70.5	Kelley and Chapin (2004)	Laramide annealing zone.
2287	Gneiss		94PR05	-105.3247	40.6897	Fort Collins	Poudre Park	FT	Apatite	68.7	5.1	68.7	Kelley and Chapin (2004)	Laramide annealing zone.
2288	Schist		94PR06	-105.3706	40.6917	Fort Collins	Poudre Park	FT	Apatite	74.4	4.6	74.4	Kelley and Chapin (2004)	Laramide annealing zone.
2289	Schist		94PR07	-105.4289	40.6769	Fort Collins	Big Narrows	FT	Apatite	61.9	5.1	61.9	Kelley and Chapin (2004)	Laramide annealing zone.
2290	Gneiss		94PR08	-105.4372	40.6961	Fort Collins	Big Narrows	FT	Apatite	63.4	4.9	63.4	Kelley and Chapin (2004)	Laramide annealing zone.
2291	Granite breccia		94PR09	-105.4286	40.6892	Fort Collins	Big Narrows	FT	Apatite	44.4	5.2	44.4	Kelley and Chapin (2004)	Tertiary partial annealing (?).
2292	Granodiorite		94PR10	-105.5914	40.6981	Fort Collins	Rustic	FT	Apatite	52.5	3.7	52.5	Kelley and Chapin (2004)	Laramide annealing zone.
2293	Granodiorite		94PR11	-105.7725	40.6844	Fort Collins	Boston Peak	FT	Apatite	47.1	7.1	47.1	Kelley and Chapin (2004)	Tertiary partial annealing (?).
2294	Granodiorite		94PR12	-105.8056	40.6328	Fort Collins	Boston Peak	FT	Apatite	57.3	4.9	57.3	Kelley and Chapin (2004)	Laramide annealing zone.
2295	Gneiss		94PR13	-105.7616	40.5561	Fort Collins	Chambers Lake	FT	Apatite	47.8	4.7	47.8	Kelley and Chapin (2004)	Laramide annealing zone.
2296	Rhyolite			-105.4788215	37.660864	Blanca Peak	Mosca Pass	FT	Zircon	26.5	1	26.5	Bruce and Johnson (1991)	Location approximate. One of many mapped felsic dikes.
2297	Granite	Browns Pass pluton		-106.4323921	38.8794	Gunnison	Winfield	U-Pb	Zircon	1438	Not report	1438	Leader and Jones (2008)	Location inferred.
2298	Latite	Latite of Waugh Mountain	WML-4-59	-105.7439544	38.603178	Pikes Peak	Waugh Mountain	K/Ar	Biotite	33.8	1	33.8	Campbell (1994)	Location inferred.
2299	Andesite	Andesite of Waugh Mountain	WMA-1-51	-105.653164	38.598229	Pikes Peak	Waugh Mountain	K/Ar	Hornblende	31	1.3	31	Campbell (1994)	
2300	Rhyolite	Gribbles Park Tuff	GPT-4-25	-105.6004651	38.263842	Canon City	Hillside	K/Ar	Biotite	33.6	0.9	33.6	Campbell (1994)	
2301	Andesite		04-CO-GD1	-105.8352099	40.470505	Estes Park	Fall River Pass	40Ar/39Ar	Hornblende	28.5	0.15	28.53	Knox (2005)	Plateau age.
2302	Andesite		04-CO-GD3	-105.8416629	40.467355	Estes Park	Fall River Pass	40Ar/39Ar	Hornblende	28.9	0.04	28.85	Knox (2005)	Plateau age.
2303	Rhyolite welded tuff		04-CO-GD3	-105.8498444	40.459806	Estes Park	Fall River Pass	40Ar/39Ar	Sanidine	28	0.03	28.02	Knox (2005)	Isochron age.
2304	Trachybasalt		04-CO-IM3a	-105.8639516	40.500722	Fort Collins	Chambers Lake	40Ar/39Ar	Matrix	28.5	0.15	28.52	Knox (2005)	Isochron age.
2305	Trachybasalt		05-CO-JWR3	-105.8751656	40.557308	Fort Collins	Chambers Lake	40Ar/39Ar	Matrix	29.6	0.22	29.58	Knox (2005)	Isochron age.
2306	Rhyolite welded tuff		04-CO-RL1	-105.9973292	40.499788	Fort Collins	Clark Peak	40Ar/39Ar	Sanidine	28.7	0.03	28.74	Knox (2005)	Isochron age.
2307	Rhyolite welded tuff		EEL-1	-105.7762918	39.919044	Denver West	Fraser	40Ar/39Ar	Sanidine	27.1	0.06	27.09	Knox (2005)	Isochron age.
2308	Rhyolite welded tuff		CP05-97	-105.990118	40.523548	Fort Collins	Clark Peak	40Ar/39Ar	Sanidine	28.5	0.02	28.52	Knox (2005)	Isochron age.
2309	Rhyolite welded tuff		CP05-100	-105.9860085	40.50526	Fort Collins	Clark Peak	40Ar/39Ar	Sanidine	28.5	0.08	28.46	Knox (2005)	Isochron age.
2310	Rhyolite welded tuff		DM05-183	-105.8102614	40.760517	Fort Collins	Deadman	40Ar/39Ar	Sanidine	27.7	0.04	27.65	Knox (2005)	Isochron age.