DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

TO ACCOMPANY MAP MF-1382-N

MAPS SHOWING ISOTOPIC DATING IN THE WALKER LAKE 1^0 BY 2^0 QUADRANGLE, CALIFORNIA AND NEVADA

By

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Tables 1 and 2 to accompany sheets 1 and 2

TABLE 1.--Potassium-argon ages in the Walker Lake 1° by 2° quadrangle, California and Nevada

[Compositional abbreviations: G, gabbro; D, diorite; QD, quartz diorite; QMd, quartz monzodiorite; QM, quartz monzonite; To, tonalite; Grd, granodiorite; Gr, granite; Grtd, granitoid; Ma, mafic; B, basalt; Trb, trachybasalt; A, andesite; BA, basaltic andesite; L, latite; Dac, dacite; Rd, rhyodacite; QL, quartz latite; R, rhyolite; Gs, greenstone; VS, volcanogenic sandstone; VSR, volcanogenic sedimentary rock. Textural and structural abbreviations: Int, intrusive; Por, porphyry; F, flow; Br, breccia; VBr, vent breccia; VP, vent plug; Ignb, ignimbrite; T, tuff; AF, ash flow; AFT, ash-flow tuff; TBr, tuff breccia; UT, unwelded tuff; WT, welded tuff; Gl, glass; Pum, pumice; Per, perlite; Vtr, vitrophyre; Dk, dike; Vn, vein; Alt, altered; Inc, inclusion. Mineral abbreviations: WR, whole rock; Bi, biotite; Hb, hornblende; Pl, plagioclase; Sa, sanidine; KF, K-feldspar; AkF, alkali feldspar; Ad, adularia; Mu, muscovite; Se, sericite; Cl, chlorite; Al, alunite; Q, quartz; Ca, calcite; Sul, sulfide. 1976 IUGS constants: $\lambda_b(^{40}K)=4.962X10^{-10}yr^{-1}$; $\lambda_e(^{40}K)=0.581X10^{-10}yr^{-1}$; $^{40}K/K=0.01167$ atom percent.]

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
A1	---	U.C. Berkeley KA1516	23	38°58'37" 119°53'15"	Granodiorite of Daggett Pass	QMd-Grd	Bi	86.1±2	88.3±2	1	---
A1	---	U.C. Berkeley KA1516-HBD	23	38°58'37" 119°53'15"	Granodiorite of Daggett Pass	QMd-Grd	Hb	89.9±2	92.1±2	1	---
A2	---	U.C. Berkeley KA1517	24	38°57'52" 119°51'00"	Granodiorite of Daggett Pass	QMd-Grd	Bi	83.5±2	85.6±2	1	---
A3	FP-78-104	USGS(M) 81I210A	---	38°54'16" 119°57'57"	Bryan Meadow Granodiorite	Grd	Bi	82.0±0.5	84.1±0.5	4	---
A3	FP-78-104	USGS(M) 81I234A	---	38°54'16" 119°57'57"	Bryan Meadow Granodiorite	Grd	Hb	76.2±0.6	78.1±0.6	4	---
A4	FP-78-105	USGS(M) 81I212A	---	38°49'56" 119°54'45"	Granodiorite of Freel Peak	Grd	Bi	83.3±0.5	85.4±0.5	4	---
A4	FP-78-105	USGS(M) 81I211A	---	38°49'56" 119°54'45"	Granodiorite of Freel Peak	Grd	Hb	82.3±0.6	84.4±0.6	4	---
A4	FP-78-105	USGS(M)	---	38°49'56" 119°54'45"	Granodiorite of Freel Peak	Grd	Bi	80.9±1.5	82.9±1.5	37	---
A4	FP-78-105	USGS(M)	---	38°49'56" 119°54'56"	Granodiorite of Freel Peak	Grd	Hb	90.9±3.0	93.2±3.0	37	---
A5	FP-78-106	USGS(M) 81I243A	---	38°48'19" 119°58'20"	Bryan Meadow Granodiorite	Grd	Bi	85.4±0.5	87.5±0.5	4	---
A5	FP-78-106	USGS(M) 81I254A	---	38°48'19" 119°58'20"	Bryan Meadow Granodiorite	Grd	Hb	80.6±0.6	82.6±0.6	4	---
A5	FP-78-106	USGS(M) 81I254A	---	38°48'19" 119°58'20"	Bryan Meadow Granodiorite	Grd	Hb	81.8±0.6	83.9±0.6	4	---

A6	FP-78-102	USGS(M)	---	38°07'08" 119°58'06"	Echo Lake Granodiorite	Grd	Bi	71.0±1	72.8±1	4	---
A6	FP-78-102	USGS(M)	---	38°07'08" 119°58'06"	Echo Lake Granodiorite	Grd	Hb	89.5±0.8	91.7±0.8	4	---
A7	---	U.C. Berkeley KA1518	25	38°47'07" 119°52'50"	Bryan Meadow Granodiorite	Grd	Bi	87.1±2	89.3±1	1	---
A7	---	U.C. Berkeley KA1518-R	25	38°47'07" 119°52'50"	Bryan Meadow Granodiorite	Grd	Bi	87.4±2	89.6±2	1	---
A8	FP-78-108	USGS(M) 81I255A	---	38°46'33" 119°54'00"	Bryan Meadow Granodiorite	Grd	Bi	84.8±0.5	86.9±0.5	4	---
A9	FP-78-103	USGS(M) 81I159A	---	38°45'28" 119°58'06"	Burnside Lake Adamellite	Gr	Bi	84.4±0.5	86.5±0.5	4	---
A10	FP-78-57	USGS(M)	---	38°45'24" 119°58'31"	---	R UT	Bi	25.2±0.4	25.9±0.4	37	---
B1	79-RA-43	USGS(M)	---	38°43'58" 119°59'00"	---	A	Hb	5.1±0.8	5.2±0.8	37	---
B2	MN-4	USGS(M)	13	38°42'55" 119°47'20"	---	A	Hb	10.2±0.3	10.5±0.3	2	---
B3	---	U.C. Berkeley KA1521	28	38°41'41" [1]119°59'03"	Carson Pass Tonalite[30]	QD-Grd	Bi	88.7±2	90.9±2	1	---
B4	CP-1	USGS(M)	3	38°40'30" 119°58'54"	---	A	Pl	13.1±1.5	13.4±1.5	2	---
B5	EPG	USGS(M)	---	38°38'00" 119°56'22"	Ebbetts Pass Granodiorite[31]	Grd	Bi	86.1±1.0	88.3±1.0	39	---
B6	---	U.C. Berkeley KA1524	30	38°34'56" 119°47'55"	Granodiorite of Kinney Lakes	Grd	Bi	81.8±2	83.9±2	1	---
B7	79-RA-46	USGS(M)	---	38°33'48" 119°46'43"	Nobel Canyon Rhyolite	R	Bi	4.6±0.1	4.7±0.1	37	---
B8	---	U.C. Berkeley KA1121	---	38°33'29" 119°49'55"	Upper Kinney Lake tuff (informal)	R T	Sa	20.7±4	21.2±4	3	---
B9	---	U.C. Berkeley KA1119	---	38°33'21" 119°46'37"	Nobel Canyon Rhyolite	R	Bi	4.8±0.1	4.9±0.1	3	[2]5
B9	---	U.C. Berkeley KA1120	---	38°33'21" 119°46'37"	Nobel Canyon Rhyolite	R	Pl	4.7±0.1	4.8±0.1	3	[2]5
B10	79K54	USGS(M)	---	38°32'39" 119°45'17"	---	Dac	Bi	3.9±0.2	4.0±0.2	38	---
B11	80-DJ-83	USGS(M)	---	38°31'42" 119°54'10"	Ebbetts Pass Granodiorite[31]	Grd	Hb	92.3±2.0	94.6±2.0	37	---

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
C1	---	U.C. Berkeley KA1523	29	38°29'16" 119°59'03"	Granodiorite of Lake Alpine[3]	Grd[3]	Bi	89.4±2	91.6±2	1	---
C2	---	U.C. Berkeley KA1547	41	38°25'05" 119°49'47"	Granodiorite of Kinney Lakes[4]	Grd[4]	Bi	85.6±2	87.7±2	1	---
C3	---	U.C. Berkeley KA1546	40	38°24'58" 119°50'00"	Granodiorite of Kinney Lakes[4]	Grd[4]	Bi	84.2±2	86.3±2	1	---
C4	---	U.C. Berkeley KA1543	39	38°23'54" 119°52'07"	Granodiorite of Topaz Lake	Grd-Gr	Bi	82.9±2	85.0±2	1	---
C4	---	U.C. Berkeley KA1545	39	38°23'54" 119°52'07"	Granodiorite of Topaz Lake	Grd-Gr	Bi	82.7±2	84.8±2	1	---
C5	---	U.C. Berkeley KA1542	38	38°22'51" 119°52'14"	Granodiorite of Kinney Lakes[5]	Grd	Bi	84.8±2	86.9±2	1	---
C6	---	U.C. Berkeley KA969	---	38°22'10" 119°46'42"	Dardanelles Formation[6]	B	WR	9.3±0.4	9.5±0.4	3	5,6
C7	---	U.C. Berkeley	W29	38°22'08" 119°46'43"	Dardanelles Formation[7]	B	WR	8.8±0.4	9.0±0.4	5	3
C8	---	U.C. Berkeley KA961	C	38°22'03" 119°46'46"	Eureka Valley Tuff, Tollhouse Flat Member[8]	L AFT	Bi	8.8±0.2	9.0±0.2	7	5,6
C9	79K55	USGS(M)	---	38°21'57" 119°52'30"	Granodiorite of Kinney Lakes[5]	Grd	Bi	85.7±0.6	87.8±0.6	38	---
C10	---	U.C. Berkeley KA1538	34	38°21'49" 119°52'13"	Granodiorite of Kinney Lakes[5]	Grd	Bi	83.0±2	85.1±2	1	---
C10	---	U.C. Berkeley KA1539-R	34	38°21'49" 119°52'13"	Granodiorite of Kinney Lakes[5]	Grd	Bi	83.6±2	85.7±2	1	---
C10	---	U.C. Berkeley KA1538-HBD	34	38°21'49" 119°52'13"	Granodiorite of Kinney Lakes[5]	Grd	Hb	84.2±2	86.3±2	1	---
C11	---	U.C. Berkeley KA1537	33	38°20'27" 119°49'27"	Granodiorite of Topaz Lake	Grd-Gr	Bi	84.3±2	86.4±2	1	---
C12	---	U.C. Berkeley KA971	---	[17]38°20'16" [17]119°48'41"	---	B	WR	0.15±0.03	0.15±0.03	45	---
C13	---	U.C. Berkeley KA1539	35	38°19'35" 119°55'07"	Granodiorite of Poopenaut Valley[9]	Grd	Bi	87.0±2	89.2±2	1	---

C13	---	U.C. Berkeley KA1539-HBD	35	38°19'35" 119°55'07"	Granodiorite of Poopenaut Valley[9]	Grd	Hb	90.1±2	92.4±2	1	---
C14	---	U.C. Berkeley KA975	b	38°18'50" 119°50'30"	Valley Springs Formation[10]	R	Bi	25.7±0.5	26.4±0.5	7	---
C14	---	U.C. Berkeley[11] KA975A	---	38°18'50" 119°50'30"	Valley Springs Formation[12]	R T	Bi	26.1±0.5	26.8±0.5	3	---
C14	---	U.C. Berkeley KA1163	---	38°18'50" 119°50'30"	Valley Springs Formation[12]	R T	Sa	23.3±0.5	23.9±0.5	3	---
C15	---	U.C. Berkeley KA1540	36	[1]38°17'09" 119°57'56"	Granodiorite of Poopenaut Valley	Grd	Bi	88.7±2	90.9±2	1	---
C15	---	U.C. Berkeley KA1540-HBD	36	[1]38°17'09" 119°57'56"	Granodiorite of Poopenaut Valley	Grd	Hb	96.7±2	99.1±2	1	---
D1	P-231	USGS(M)	---	38°14'48" 119°47'00"	---	A Dk	Hb	6.0±0.2	6.2±0.2	8	---
F1	ZACA	USGS(M)	---	38°40'12" 119°42'18"	---	Alt R	Se	4.8±0.2	5.0±0.2	2	---
F1	Z-4/69	USGS(M)	45	38°40'12" 119°42'18"	---	Alt R	WR	4.6±0.2	4.8±0.2	2	---
F2	M-3	USGS(M)	17	38°41'18" 119°41'42"	---	A	Bi	9.2±0.3	9.5±0.3	2	---
F2	M-3	USGS(M)	17	38°41'18" 119°41'42"	---	A	Pl	9.5±0.4	9.7±0.4	2	---
F3	LPA	USGS(M)	---	38°40'07" 119°36'40"	Andesite of Leviathan Peak	A	Hb	5.6±0.5	5.8±0.5	37	---
F4	LS-1	USGS(M)	4	38°39'25" 119°35'55"	---	A	Pl	10.9±0.3	11.2±0.3	2	---
F4	LS-2	USGS(M)	5	38°39'25" 119°35'55"	---	A	Hb	14.6±0.5	15.0±0.5	2	---
F5	---	U.C. Berkeley KA131-64	21	[1]38°38'31" [1]119°32'30"	Granodiorite of Topaz Lake	Grd-Gr	Bi	81.9±2	84.0±2	1	---
F6	---	U.C. Berkeley KA1534	31	38°35'05" 119°41'42"	Granodiorite of Topaz Lake	Grd-Gr	Bi	82.1±2	84.2±2	1	---
G1	---	U.C. Berkeley KA1548	42	38°26'45" 119°40'12"	Granodiorite of Topaz Lake	Grd-Gr	Bi	81.5±2	83.5±2	1	---
G1	---	U.C. Berkeley KA1548-R	42	38°26'45" 119°40'12"	Granodiorite of Topaz Lake	Grd-Gr	Bi	81.8±2	83.8±2	1	---
G2	---	U.C. Berkeley KA1536	32	38°25'45" 119°44'50"	Granodiorite of Topaz Lake	Grd-Gr	Bi	81.7±2	83.7±2	1	---

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G3	---	U.C. Berkeley KA1549	43	38°25'31" 119°42'17"	Granodiorite of Topaz Lake	Grd-Gr	Bi	81.1±2	83.1±2	1	---
G4	---	U.C. Berkeley KA1550	44	38°23'56" 119°36'26"	Granodiorite of Topaz Lake	Grd-Gr	Bi	79.5±2	81.5±2	1	---
G5	---	U.C. Berkeley KA1535	[13]--	38°21'00" 119°39'08"	Granodiorite of Topaz Lake	Grd-Gr	Bi	82.8±2	84.9±2	1	---
G6	ME-3	USGS(M)	15	38°18'30" 119°31'00"	---	L Br	Bi	8.7±0.3	8.9±0.3	2	---
G6	ME-4	USGS(M)	16	38°18'30" 119°31'00"	---	L Br	Bi	8.9±0.3	9.1±0.3	2	---
G7	---	U.C. Berkeley KA1011	---	38°17'54" 119°35'44"	Leavitt Creek tuff (informal)	R T	Sa	29.5±0.6	30.3±0.6	3	---
G8	---	U.C. Berkeley KA1545	[13]--	38°17'19" 119°43'06"	Granodiorite of Topaz Lake	Grd-Gr	Bi	82.7±2	84.8±2	1	---
H1	N621	USGS(M)	18	[1]38°13'00" [1]119°40'00"	Basalt of Brown Bear Pass	B	WR	19.5±0.8	20.0±0.8	2	---
H1	N621	USGS(M)	18	[1]38°13'00" [1]119°40'00"	Basalt of Brown Bear Pass	B	WR	18.7±0.8	19.2±0.8	2	---
H2	TY50	Stanford U. SKAr15	---	38°11'11" 119°34'14"	Granodiorite of Lake Harriet	Grd	Bi	83.5±0.6	85.6±0.6	46	---
H2	TY50	Stanford U. SKAr14	---	38°11'11" 119°34'14"	Granodiorite of Lake Harriet	Grd	Hb	86.9±0.7	89.1±0.7	46	---
H3	---	U.C. Berkeley KA1599	49	38°10'16" 119°31'02"	Cathedral Peak Granodiorite	Grd	Bi	81.4±2	83.5±2	1	---
H4	BP	Stanford U. SKAr16	---	38°10'08" 119°35'27"	Granite of Bond Pass	Gr	Bi	80.5±0.5	82.5±0.5	46	---
H4	BP	Stanford U. SKAr17	---	38°10'08" 119°35'27"	Granite of Bond Pass	Gr	Hb	80.8±0.9	82.8±.09	46	---
H5	HO6	U.C. Berkeley	---	38°07'59" 119°36'32"	Alaskite of Grace Meadow	G Inc	Bi	82.5±1.5	85.0±1.5	47	---
H5	HO6	U.C. Berkeley	---	38°07'59" 119°36'32"	Alaskite of Grace Meadow	G Inc	Hb	89.4±1.2	91.6±1.2	47	---

H6	HO18	U.C. Berkeley	---	38°07'52" 119°36'32"	Alaskite of Grace Meadow	G Inc	Hb	93.9±1.0	96.2±1.0	47	---
H7	HO12	U.C. Berkeley	---	38°07'44" 119°36'32"	Alaskite of Grace Meadow	G Inc	Hb	91.9±2.4	94.2±2.4	47	---
H8	UTL	Stanford U. SKAr30	---	38°07'26" 119°37'59"	Granite of Upper Twin Lakes	Gr	Bi	80.8±0.9	82.8±0.9	46	---
H9	HO65	Stanford U. SKAr27	---	38°02'17" 119°39'58"	Quartz diorite of Mount Gibson	To	Bi	91.0±0.6	93.3±0.6	46	---
H10	TW456	Stanford U. SKAr24	---	38°01'55" 119°34'54"	Quartz monzonite of Avonelle Lake	Grd	Bi	80.7±0.4	82.7±0.4	46	---
H10	TW456	Stanford U. SKAr25R	---	38°01'55" 119°34'54"	Quartz monzonite of Avonelle Lake	Grd	Hb	89.0±1.3	91.2±1.3	46	---
H11	TX440	Stanford U. SKAr13	---	38°00'36" 119°43'30"	Granodiorite of Lake Vernon	Grd	Bi	86.6±0.9	88.8±0.9	46	---
H11	TX440	Stanford U. SKAr12	---	38°00'36" 119°43'30"	Granodiorite of Lake Vernon	Grd	Hb	91.7±0.6	94.0±0.6	46	---
H12	TX407	Stanford U. SKAr11	---	38°00'26" 119°43'30"	Granodiorite of Bearup Lake	Grd	Bi	86.8±0.6	89.0±0.6	46	---
H12	TX407	Stanford U. SKAr18R	---	38°00'26" 119°43'30"	Granodiorite of Bearup Lake	Grd	Hb	89.6±0.7	91.8±0.7	46	---
I1	665	Geochron	---	38°59'16" 119°15'12"	Andesite of Lincoln Flat	A	Hb	[14]17.7±2.4	18.2±2.5	9	---
I2	OP-1	USGS(M)	14	38°51'48" 119°29'55"	---	Dac	Hb	11.0±0.3	11.3±0.3	2	---
I3	---	USGS(M)	1	[1]38°49'52" 119°25'13"	Granodiorite of Bullionville	D-Grd	Hb	106.7±4	109.3±4	10	---
I3	---	USGS(M)	1	[1]38°49'52" 119°25'13"	Granodiorite of Bullionville	D-Grd	Bi	81.4±3	83.5±3	10	---
J1	SW-1	USGS(M)	12	38°44'00" 119°21'30"	---	A	Hb	14.4±0.4	14.8±0.4	2	---
J2	107	Yale U.	---	38°32'30" 119°23'00"	Granite of Desert Creek	QM-Gr	Hb	86.3±2.1	88.5±2.1	11	---
J3	176	Yale U.	---	38°31'18" 119°25'00"	China Garden pluton	Grd-Gr	Bi	80.3±1.6	82.3±1.6	11	---
J4	218	Yale U.	---	38°30'30" 119°29'18"	China Garden pluton	Grd-Gr	Bi	80.3±1.6	82.3±1.6	11	---
K1	104	Yale U.	---	[15]38°29'00" 119°19'00"	China Garden pluton	Grd-Gr	Bi	75.8±1.5	77.7±1.5	1	---

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K1	104	Yale U.	---	$38^{\circ}29'00"$ $^{15}119^{\circ}19'00"$	China Garden pluton	Grd-Gr	Hb	59.8±5.8	61.3±6.0	11	---
K1	104	Yale U.	---	$38^{\circ}29'00"$ $^{15}119^{\circ}19'00"$	China Garden pluton	Grd-Gr	Hb	61.6±2.0	63.2±2.1	11	---
K2	241	Yale U.	---	$38^{\circ}28'00"$ $119^{\circ}24'30"$	Granite of Desert Creek	QM-Gr	Hb	81.3±4.3	83.3±4.4	11	---
K3	---	U.C. Berkeley KA1697	57	$38^{\circ}27'05"$ $119^{\circ}27'29"$	Granite of Mill Creek	Gr	Bi	$^{27}119±2$	$^{27}122±2$	1	---
K4	---	U.C. Berkeley KA132	---	$38^{\circ}25'49"$ $119^{\circ}26'52"$	Eureka Valley Tuff, Tollhouse Flat(?) Member	L WT	Bi	10.7± ?	11.0± ?	42	6
K5	TF-U	USGS(M)	2	$38^{\circ}25'35"$ $119^{\circ}26'45"$	Eureka Valley Tuff, upper member	AFT	Bi	9.9±0.4	10.2±0.4	6	---
K6	SC-3T	USGS(M)	1	$^{1}38^{\circ}23'34"$ $^{1}119^{\circ}21'56"$	Eureka Valley Tuff, upper member	AFT	Bi	10.0±0.3	10.3±0.3	6	---
K7	SC-32A	Yale U.	---	$38^{\circ}22'00"$ $119^{\circ}19'00"$	Swauger Creek mafic complex (informal)	G-Grd	Hb	93.0±3.4	95.3±3.5	11	---
K7	SC-41	Yale U.	---	$38^{\circ}22'00"$ $119^{\circ}19'00"$	Swauger Creek mafic complex (informal)	G-Grd	Hb	91.4±2.5	93.7±2.6	11	---
K8	DG	Yale U.	---	$38^{\circ}21'00"$ $119^{\circ}22'30"$	Granite of Devils Gate-Mack Canyon-Murphy Creek	Gr	Bi	83.4±1.7	85.5±1.7	11	---
K9	SC-4	Yale U.	---	$^{16}38^{\circ}21'00"$ $^{16}119^{\circ}20'00"$	Swauger Creek mafic complex (informal)	G-Grd	Bi	79.0±1.6	81.0±1.6	11	---
K9	SC-4	Yale U.	---	$^{16}38^{\circ}21'00"$ $^{16}119^{\circ}20'00"$	Swauger Creek mafic complex (informal)	G-Grd	Hb	83.5±1.7	85.6±1.7	11	---
K10	SC-10	Yale U.	---	$^{16}38^{\circ}21'00"$ $^{16}119^{\circ}19'30"$	Granite of Devils Gate-Mack Canyon-Murphy Creek	Gr	Bi	78.8±1.6	80.8±1.6	11	---

L1	---	U.C. Berkeley KA1597	47	38°08'54" 119°25'36"	Cathedral Peak Granodiorite	Grd	Bi	80.2±2	82.2±2	1	---
L2	---	U.C. Berkeley KA1598	48	38°08'54" 119°23'19"	Cathedral Peak Granodiorite	Grd	Bi	80.1±2	82.1±2	1	---
L3	---	U.C. Berkeley KA1596	46	38°07'32' 119°26'08"	Cathedral Peak Granodiorite	Grd	Bi	81.4±2	83.5±2	1	---
L4	---	U.C. Berkeley KA1595	45	38°07'24" 119°25'39"	Cathedral Peak Granodiorite	Grd	Bi	81.0±2	83.0±2	1	---
M1	267	Geochron	---	38°59'10" 119°13'53"	Mickey Pass Tuff, Guild Mine Member	Dac-R AFT	Bi	[14]27.1±0.9	27.8±0.9	9	---
M2	675	Geochron	---	38°58'44" 119°12'19"	Mickey Pass Tuff, Guild Mine Member	Dac-R AFT	Bi	[14]28.0±1.0	28.7±1.0	9	---
M2	675	Geochron	---	38°58'44" 119°12'19"	Mickey Pass Tuff, Guild Mine Member	Dac-R AFT	Pl	[14]25.1±1.8	25.8±1.8	9	---
M3	671	Geochron	---	38°57'32" 119°13'18"	Andesite of Lincoln Flat	A Br	Hb	[14]18.7±1.9	19.2±2.0	9	---
M3	671	Geochron	---	38°57'32" 119°13'18"	Andesite of Lincoln Flat	A Br	Pl	[14]17.0±2.5	17.4±2.6	9	---
M4	SQ18	USGS(M)	6	38°56'06" 119°00'54"	Mickey Pass Tuff, Weed Heights Member	QL AFT	Bi	25.9±0.8	26.6±0.8	12	---
M5	---	U.C. Berkeley KA2582	---	38°52'39" 119°12'33"	---	B	WR	7.3±0.3	7.4±0.3	13	---
M6	SQ22	USGS(M)	14	[1]38°49'28" [1]119°11'57"	Quartz monzonite of Mt. Siegel	QD-Gr	Hb	154±5	158±5	12	---
M6	SQ22	USGS(M)	14	[1]38°49'28" [1]119°11'57"	Quartz monzonite of Mt. Siegel	QD-Gr	Bi	100±3	103±3	12	---
M7	---	U.C. Berkeley KA485	---	[17]38°49'00" [17]119°14'00"	Morgan Ranch Formation	Dac T	Bi	9.3±?	9.5±?	14	30,15
M8	---	U.C. Berkeley KA2581	---	38°47'54" 119°12'06"	Aldrich Station Formation	A	Pl	11.2±0.5	11.5±0.5	13	---
M9	---	U.C. Berkeley KA2491	---	38°45'38" 119°13'48"	---	T	Hb	5.0±0.3	5.2±0.3	13	---
M9	---	U.C. Berkeley KA2513	---	38°45'38" 119°13'48"	---	T	Bi	5.0±0.4	5.1±0.4	13	---

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
N1	---	U.C. Berkeley KA2501	---	38°43'51" 119°10'38"	Aldrich Station Formation	T	Hb	11.2±0.2	11.5±0.2	13	---
N1	---	U.C. Berkeley KA2434	---	38°43'51" 119°10'38"	Aldrich Station Formation	T	Bi	9.3±0.1	9.6±0.1	13	---
N2	---	U.C. Berkeley KA2493	---	38°43'06" 119°01'48"	---	A	Hb	14.9±0.5	15.3±0.5	13	---
N3	---	U.C. Berkeley KA2497	---	38°42'45" 119°09'42"	---	B	WR	7.1±0.2	7.3±0.3	13	---
N4	---	U.C. Berkeley KA2496	---	38°42'30" 119°06'24"	---	B	WR	7.4±0.2	7.6±0.2	13	---
N5	---	U.C. Berkeley KA2439	---	38°41'51" 119°04'30"	Coal Valley Formation	T	Hb	9.1±0.4	9.4±0.4	13	---
N6	---	U.C. Berkeley KA2431	---	38°41'09" 119°05'18"	Coal Valley Formation	T	Pl	10.2±0.4	10.5±0.4	13	---
N6	---	U.C. Berkeley KA2432	---	38°41'09" 119°05'18"	Coal Valley Formation	T	Hb	10.4±0.5	10.7±0.5	13	---
N7	---	U.C. Berkeley KA2494	---	38°40'30" 119°02'48"	---	Dac	Pl	5.6±0.7	5.7±0.7	13	---
N8	PGH-R20K	USGS(M) 82I085	---	38°40'15" 119°10'45"	Granodiorite of Lobdell Summit	QD-Grd	Bi	78.8±2.4	80.8±2.4	44	---
N9	---	U.C. Berkeley KA2341	---	38°40'00" 119°12'30"	---	B	WR	6.8±0.3	7.0±0.3	13	---
N10	---	U.C. Berkeley KA2436	---	38°39'36" 119°05'15"	---	R	Bi	6.6±0.1	6.7±0.1	13	---
N11	---	U.C. Berkeley KA2427	---	38°37'00" 119°02'18"	---	Per	Sa-Pl	5.8±0.1	6.0±0.1	13	---
N11	---	U.C. Berkeley KA2428R	---	38°37'00" 119°02'18"	---	Per	Bi	6.9±0.2	7.1±0.2	13	---
N12	---	U.C. Berkeley KA2435	---	38°36'30" 119°02'42"	---	Per	Bi	6.7±0.1	6.9±0.1	13	---
N12	---	U.C. Berkeley KA2437	---	38°36'30" 119°02'42"	---	Per	Sa-Pl	6.4±0.3	6.6±0.3	13	---

N13	PGH-K1W	USGS(M)	---	38°36'25" 119°05'24"	Granodiorite of Lobdell Summit	QD-Grd	Mu	83.8±2.0	85.9±2.0	36	---
N14	---	U.C. Berkeley KA2365	---	38°36'03" 119°03'24"	---	B	WR	6.8±0.1	7.0±0.1	13	---
N15	---	U.C. Berkeley KA2370	---	38°34'54" 119°07'24"	---	Per	Bi	7.4±0.2	7.6±0.2	13	---
N15	---	U.C. Berkeley KA2502	---	38°34'54" 119°07'24"	---	Per	Sa-Pl	5.6±0.1	5.7±0.1	13	---
N16	NBM-AD24	Geochron G-B0921	---	38°34'47" 119°11'12"	Porphyritic granodiorite of Nye Canyon	Grd-Gr	Bi	87.0±2.7	89.2±2.8	16	---
N16	NBM-AD25	Geochron G-B0922	---	38°34'47" 119°11'12"	Porphyritic granodiorite of Nye Canyon	Grd-Gr	Bi	90.0±2.7	92.3±2.8	16	---
N17	---	U.C. Berkeley KA2367	---	38°33'40" 119°10'48"	---	B	WR	6.6±0.1	6.8±0.1	13	---
O1	GH10B	---	---	38°26'00" 119°04'00"	---	Grd	Bi	95.6±2.9	98.0±2.9	53	---
O2	61581-4	USGS(M) 82I147	---	38°21'22" 119°07'34"	---	R	Al	12.5±0.4	12.8±0.4	44	---
P1	743-406	U.C. Berkeley KA1990	---	38°14'04" 119°05'07"	Bodie Andesite	A	Pl	8.4±0.2	8.6±0.2	17	18
P2	BH19A	USGS(M)	21	38°13'09" 119°10'24"	Willow Springs Formation	Dac F	Bi	8.0±0.2	8.2±0.2	19	---
P3	BH20	USGS(M)	23	38°13'13" 119°08'52"	Willow Springs Formation	Rd Int	Bi	5.2±0.3	5.3±0.3	19	---
P3	BH20	USGS(M)	23	38°13'13" 119°08'52"	Willow Springs Formation	Rd Int	Hb	5.4±0.6	5.5±0.6	19	---
P4	BM2	USGS(M)	17	38°13'12" 119°03'26"	Potato Peak Formation	Dac F	Bi	9.1±0.1	9.3±0.1	19,32	33
P5	7346-1	USGS(M)	1	38°12'55" 119°00'12"	---	Ad-Q Vn	Ad	7.2±0.1	7.4±0.1	19,32	33
P5	7346-1	USGS(M)	1	38°12'55" 119°00'12"	---	Ad-Q Vn	Ad	7.0±0.1	7.2±0.1	19,32	---
P5	B270	USGS(M)	3	38°12'55" 119°00'12"	---	Ad-Q Vn	Ad	8.0±0.2	8.2±0.2	19,32	33
P5	B271	USGS(M)	6	38°12'55" 119°00'12"	Dacite intrusive of Bodie Bluff	Dac Int	Hb	8.4±0.2	8.6±0.2	19,32	---

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
P5	B271	USGS(M)	6	38°12'55" 119°00'12"	Dacite intrusive of Bodie Bluff	Dac Int	Pl	8.5±0.3	8.7±0.3	19,32	---
P5	856-8	USGS(M)	7	38°12'55" 119°00'12"	Dacite of Bodie Bluff	Dac	WR	8.2±0.2	8.4±0.2	19,32	---
P5	856-8	USGS(M)	7	38°12'55" 119°00'12"	Dacite of Bodie Bluff	Dac	Hb	9.2±0.5	9.4±0.5	19,32	33
P6	856-10	USGS(M)	12	38°12'26" 119°01'42"	Silver Hill Volcanic Series	Rd TBr VP	Bi	8.9±0.2	9.1±0.2	19,32	33
P6	856-10	USGS(M)	12	38°12'26" 119°01'42"	Silver Hill Volcanic Series	Rd TBr VP	Hb	9.0±0.2	9.2±0.2	19,32	33
P7	RCD1B	USGS(M)	2	38°12'05" 119°00'19"	---	Ad-Ca-Q Vn	Ad	7.7±0.1	7.9±0.1	19,32	33
P8	BH15	USGS(M)	4	38°12'05" 119°00'09"	Dacite of Red Cloud	Dac	Hb	8.6±0.4	8.8±0.4	19,32	33
P8	BH15	USGS(M)	4	38°12'05" 119°00'09"	Dacite of Red Cloud	Dac	Bi	8.7±0.2	8.9±0.2	19,32	33
P9	BH26	USGS(M)	13	38°11'42" 119°00'20"	Silver Hill Volcanic Series	Dac	Hb	9.1±0.5	9.3±0.5	19,32	33
P10	BH17	USGS(M)	8	38°11'41" 119°00'29"	Dacite of Queen Bee Hill	Dac	Hb	9.2±0.5	9.4±0.5	19,32	33
P11	BH31	USGS(M)	18	[18]38°11'40" [18]119°00'26"	Silver Hill Volcanic Series	Alt TBr	Se-Cl	8.6±0.4	8.8±0.4	32	---
P12	BH32	USGS(M)	10	38°11'36" 119°00'14"	Silver Hill Volcanic Series	Dac	Bi	8.8±0.2	9.0±0.2	19,32	33
P13	S1	USGS(M)	5	38°11'17" 119°00'31"	Dacite of Sugerloaf	Dac Int	WR	8.5±0.4	8.7±0.4	19,32	33
P13	S1	USGS(M)	5	38°11'17" 119°00'31"	Dacite of Sugarloaf	Dac Int	Pl	8.3±0.4	8.5±0.4	19,32	33
P13	S1	USGS(M)	5	38°11'17" 119°00'31"	Dacite of Sugarloaf	Dac Int	Pl	8.9±0.4	9.1±0.4	19,32	33
P14	854-1	USGS(M)	15	38°10'55" 119°00'06"	Murphy Spring Tuff Breccia	Dac F	Bi	8.7±0.2	8.9±0.2	19,32	33

P15	743-414	U.C. Berkeley KA1973	---	38°10'30" 119°11'36"	---	A	Pl	7.8±0.2	8.0±0.2	17	18
P16	BH6	USGS(M)	22	38°09'54" 119°09'05"	Mt. Biedeman Formation	R Int	Bi	5.7±0.2	5.9±0.2	19	---
P17	BH9	USGS(M)	18	38°09'22" 119°06'58"	Mt. Biedeman Formation	B	WR	9.3±0.3	9.5±0.3	19	33
P18	743-507	U.C. Berkeley KA1998	---	38°09'12" 119°05'15"	---	Q Por	Pl	9.5±0.3	9.8±0.3	17	18
P18	743-507	U.C. Berkeley KA2049		38°09'12" 119°05'15"	---	Q Por	Bi	9.3±0.3	9.5±0.3	17	18
P19	743-199	U.C. Berkeley KA1980	---	38°09'07" 119°00'27"	---	A	Pl	3.2±0.7	3.3±0.7	17	18
P20	MTB1	USGS(M)	19	38°08'40" 119°04'11"	Mt. Biedeman Formation	A	Hb	9.5±0.2	9.8±0.2	19	33
P21	BH27	USGS(M)	20	38°08'11" 119°03'02"	Mt. Biedeman Formation	R	Bi	9.1±0.2	9.3±0.2	19	33
P22	---	USGS(M)	$W25_1$	38°07'52" 119°10'55"	Eureka Valley Tuff, Tollhouse Flat(?) Member	L T	Bi	9.4±0.4	9.6±0.4	5	17,6
P22	---	USGS(M)	$W25_2$	38°07'52" 119°10'55"	Eureka Valley Tuff, Tollhouse Flat(?) Member	L T	Bi	9.0±0.3	9.3±0.3	5	17,6
P23	BH2	USGS(M)	6	38°07'32" 119°10'11"	---	B	WR	11.3±0.9	11.6±0.9	33	---
P24	BH4	USGS(M)	5	38°05'52" 119°08'51"	---	A	Hb	13.3±0.4	13.7±0.4	33	---
P25	---	USGS(M)	W24	38°05'58" 119°03'53"	Eureka Valley Tuff, Tollhouse Flat Member	L T	Bi	9.2±0.3	9.4±0.3	5	17,6
P26	743-459	U.C. Berkeley KA1907	---	38°05'38" 119°03'13"	Eureka Valley Tuff, Tollhouse Flat Member	L Ignb	Bi	9.8±0.2	10.1±0.2	17	6
P27	742-45	USGS(D)	48	[1]38°05'13" [1]119°08'35"	---	A	WR	11.4±0.5	11.7±0.5	20	---
P28	---	USGS(M)	---	38°04'46" 119°09'46"	Granitic rocks of Rattlesnake Gulch	Grd-Gr	Bi	92.9±2	95.2±2	43,34	---
P29	CM1	USGS(M)	1	38°02'33" 119°11'33"	Granodiorite of Green Creek	Grd	Bi	90.2±1.8	92.5±1.8	33,34	---

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Q1	SQ29	USGS(M)	4	38°59'30" 118°54'12"	Hu-Pwi Rhyodacite[19]	Rd	Bi	26.0±0.5	26.7±0.8	12	---
Q2	NBM-AD45	Geochron G-B1945	1	38°59'26" 118°53'54"	Singatse Tuff[19]	Rd WT	Bi	25.2±1.0	25.9±1.0	21	15
Q3	SQ14	USGS(M)	12	38°59'18" 118°56'48"	---	L F	Hb	13.6±0.4	14.0±0.4	12	---
Q4	SQ13	USGS(M)	3	38°59'06" 118°58'12"	Hu-Pwi Rhyodacite[19]	Rd	Bi	22.0±0.7	22.6±0.7	12	---
Q5	NBM-AD42	Geochron G-A1787	4	38°58'56" 118°57'24"	---	Grd Por	Hb	143±8	146±8	21	---
Q6	SQ11	USGS(M)	13	38°59'00" 118°55'30"	---	Grd Por	Hb	114±3.0	117±4.0	12	---
Q6	SQ11	USGS(M)	13	38°59'00" 118°55'30"	---	Grd Por	Bi	79.0±2.4	81.0±2.4	12	---
Q7	SQ10	USGS(M)	11	38°59'06" 118°54'30"	---	L VP	Hb	13.9±0.4	14.3±0.4	12	---
Q8	SQ19	USGS(M)	2	38°58'30" 118°58'00"	Blue Sphinx Tuff[19]	QL AFT	Bi	20.1±0.5	20.6±0.6	12	---
Q9	NBM-AD43	Geochron G-B1788	2	38°58'30" 118°56'20"	Singatse Tuff[19]	QL WT	Bi	28.5±1.1	29.3±1.1	21	15
Q10	AD44	USGS(M)	16	38°57'54" 118°53'12"	---	Grd Por	Hb	144±4	148±4	12	---
Q11	SQ15	USGS(M)	7	[20]38°57'18" [20]118°55'36"	Mickey Pass Tuff Guild Mine Member	T	Bi	26.7±0.8	27.4±0.8	12	---
Q11	SQ15	USGS(M)	7	[20]38°57'18" [20]118°55'36"	Mickey Pass Tuff Guild Mine Member	T	Pl	25.0±0.8	25.7±0.8	12	---
Q12	SQ16	USGS(M)	8	38°55'54" 118°58'24"	---	BA	WR	7.3±0.4	7.5±0.4	12	---
Q13	---	USGS(M) 61-190	231	[1]38°56'17" [1]118°50'58"	---	QD	Hb	140.4±3	143.4±3	1	---

Q14	NBM-AD46	Geochron G-B1928	3	38°55'32" 118°51'08"	Bald Mountain pluton[19]	Grd-Gr	Bi	80.0±3	82.0±3	21	---
Q15	AD47	USGS(M)	17	38°55'36" 118°50'36"	---	QD	Hb	135±5	138±4	12	---
Q15	AD47	USGS(M)	17	38°55'36" 118°50'36"	---	QD	Bi	79.9±2.4	81.9±2.5	12	---
Q16	SQ17	USGS(M)	1	38°54'24" 119°00'00"	---	R AFT	Sa	21.5±0.6	22.1±0.6	12	---
Q17	SQ21	USGS(M)	5	38°51'12" 118°51'18"	Singatse Tuff	QL AFT	Hb	25.6±0.8	26.3±0.8	12	---
Q17	SQ21	USGS(M)	5	38°51'12" 118°51'18"	Singatse Tuff	QL AFT	Bi	25.9±0.8	26.6±0.8	12	---
Q18	SQ24	USGS(M)	9	38°50'54" 118°48'00"	---	BA	Pl	9.7±7.5	10.0±7.5	12	---
Q19	SQ34	USGS(M)	10	38°48'12" 118°54'18"	---	B	Pl	13.7±2.2	14.1±2.3	12	---
R1	W7-78	USGS(M) 81A261A	---	38°42'11" 118°48'14"	Granite of Walker Lake	Ma Dk	Bi	75.6±0.5	77.5±0.5	48	---
R2	W20-78	USGS(M) 81A262A	---	38°41'42" 118°53'42"	Granitic rocks of Butler Mountain	QMd-Gr	Bi	95.1±0.6	97.5±0.6	48	---
R2	W20-78	USGS(M) 81A259A	---	38°41'42" 118°53'42"	Granitic rocks of Butler Mountain	QMd-Gr	Hb	105.2±0.7	107.8±0.7	48	---
R3	---	U.C. Berkeley KA2381	---	38°37'12" 118°54'54"	Aldrich Station Formation	T	Pl	11.7±0.3	12.0±0.3	13	---
R3	---	U.C. Berkeley KA2440	---	38°37'12" 118°54'54"	Aldrich Station Formation	T	Hb	12.5±0.7	12.8±0.7	13	---
R4	---	U.C. Berkeley KA2438	---	38°36'58" 118°56'18"	Aldrich Station Formation	T	Pl	10.6±1.5	10.8±1.5	13	---
R4	---	U.C. Berkeley KA2503	---	38°36'58" 118°56'18"	Aldrich Station Formation	T	Hb	12.8±0.5	13.1±0.5	13	---
R5	---	U.C. Berkeley KA2369	---	38°35'24" 118°55'09"	---	B	WR	7.2±0.1	7.4±0.1	13	---
R6	---	U.C. Berkeley KA2366	---	38°34'30" 118°58'18"	---	B	WR	6.6±0.3	6.7±0.3	13	---

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S1	---	U.C. Berkeley KA482	---	38°29'36" 118°54'36"	Aldrich Station Formation	T	Bi	10.5±?	10.8±?	14	30,15
S1	---	U.C. Berkeley KA482II	---	38°29'36" 118°54'36"	Aldrich Station Formation	T	Bi	11.2±?	11.5±?	14	30,15
S1	---	U.C. Berkeley KA551	---	38°29'36" 118°54'36"	Coal Valley Formation	T	Bi	10.8±?	11.1±?	14	30,15
S2	---	U.C. Berkeley KA552	---	38°29'35" 118°54'26"	Aldrich Station Formation	T	Bi	11.0±?	11.3±?	14	30,15
S3	---	U.C. Berkeley KA414	---	38°29'33" 118°54'15"	Aldrich Station Formation	R T	Bi	11.2±?	11.5±?	14	30,15
S4	---	U.C. Berkeley KA500	---	38°29'30" 118°54'15"	Aldrich Station Formation	T	Gl Pum	10.6±?	10.9±?	14	30,15
S5	---	U.C. Berkeley KA2375	---	38°28'48" 118°58'42"	Aldrich Station Formation	T	Pl	13.0±0.4	13.3±0.4	13	---
S5	---	U.C. Berkeley KA2380	---	38°28'48" 118°58'42"	Aldrich Station Formation	T	Hb	12.0±0.5	12.3±0.5	13	---
S6	---	U.C. Berkeley KA2372	---	38°27'18" 118°58'33"	---	A Dk	Bi	12.4±0.2	12.8±0.2	13	---
S6	---	U.C. Berkeley KA2373	---	38°27'18" 118°58'33"	---	A Dk	Hb	12.9±0.5	13.3±0.5	13	---
S7	---	U.C. Berkeley KA2362	---	38°26'27" 118°58'21"	---	A F	Pl	12.1±0.4	12.4±0.4	13	---
S7	---	U.C. Berkeley KA2364	---	38°26'27" 118°58'21"	---	A F	Hb	12.1±0.5	12.4±0.5	13	---
S7	---	U.C. Berkeley KA2368	---	38°26'27" 118°58'21"	---	A F	Bi	12.3±0.3	12.7±0.3	13	---
S8	---	USGS(M) 71-006	236	[1]38°25'17" [1]118°46'00"	Granite of Cory Creek	Gr	Bi	75.4±2	77.3±2	1	---

S9	---	U.C. Berkeley KA2379R	---	38°24'48" 118°56'30"	Aldrich Station Formation	T	Bi	11.4±0.5	11.7±0.5	13	---
S10	7244-11AK	USGS(M)	---	38°22'57" 118°45'36"	---	Al Vn	Al	4.0±0.1	4.1±0.1	36	---
S11	672-2	USGS(M)	32	38°18'46" 118°52'57"	Basaltic andesite of Aurora Crater	BA	WR	0.25±0.05	0.26±0.05	15	33
S12	NTS10B	USGS(M)	28	38°18'04" 118°53'48"	---	R F	Bi	10.9±0.2	11.2±0.2	15	33
S12	NTS10B	USGS(M)	28	38°18'04" 118°53'48"	---	R F	Sa	11.0±0.2	11.3±0.2	15	33
S13	---	USGS(M)	37	38°17'29" 118°53'17"	---	A-Q Vn	Ad	10.3±0.2	10.6±0.2	33	---
S14	711-67	USGS(M)	22	38°17'22" 118°54'33"	Andesite of Aurora Mining District	A	Hb	13.5±0.3	13.9±0.3	15	33
S15	CH8Z1	USGS(M)	52	38°17'06" 118°52'48"	Andesite of Aurora Mining District	Al A	WR	10.9±0.3	11.2±0.3	2	---
S16	Baghdad	USGS(M)	29	38°16'43" 118°56'48"	---	R Int	Sa	9.9±0.3	10.2±0.3	15	33
S16	Baghdad	USGS(M)	29	[1]38°16'43" 118°56'48"	---	R Int	Pl	10.2±10.5	10.4±0.4	15	33
S17	710-7	USGS(M)	27	38°16'56" 118°55'41"	Rhyolite porphyry of Bodie Canyon	R	Bi	11.2±0.2	11.5±0.2	15	33
S18	670G4	USGS(M)	30	38°16'52" 118°53'03"	---	R	Bi	2.5±0.1	2.6±0.1	15	18,33
S19	610-1B	USGS(M)	31	38°16'40" 118°51'31"	---	A Int	Bi	2.5±0.2	2.6±0.2	15	18,33
S19	610-1B	USGS(M)	31	38°16'40" 118°51'31"	---	A Int	Hb	2.7±0.2	2.8±0.2	15	18,33
S20	711-8	USGS(M)	24	38°16'05" 118°53'30"	Andesite of Aurora Mining District	A Int	Pl	15.4±0.3	15.8±0.3	15	33
S21	743-25	U.C. Berkeley KA2086	---	38°15'38" 118°58'15"	---	B	WR	2.8±0.1	2.9±0.1	17	18
S22	611-5	USGS(M)	33	38°15'28" 118°51'21"	---	A F	WR	2.2±0.1	2.3±0.1	15	33

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
S22	611-5	USGS(M)	33	38°15'28" 118°51'21"	---	A F	Hb	2.5±0.2	2.6±0.2	15	33
S23	385-1092A	U.C. Berkeley KA2066	---	38°15'22" 118°48'31"	Rhyolite perlite of Mount Hicks	R Per	Sa	3.6±0.1	3.7±0.2	17	15,18
S24	743-547	U.C. Berkeley KA2048	---	38°15'08" 118°55'03"	Andesite porphyry of West Brawley Peak	A Por	Pl	12.5±0.3	12.8±0.3	17	15,18
S24	712-1	USGS(M)	26	38°15'08" 118°55'03"	Andesite porphyry of West Brawley Peak	A Por	Bi	11.2±0.2	11.5±0.2	15	33
S24	712-1	USGS(M)	26	38°15'08" 118°55'03"	Andesite porphyry of West Brawley Peak	A Por	Pl	10.9±0.3	11.2±0.3	15	---
S24	712-1	USGS(M)	26	38°15'08" 118°55'03"	Andesite porphyry of West Brawley Peak	A Por	Hb	11.6±0.3	11.9±0.3	15	---
T1	743-27	U.C. Berkeley KA1908	---	38°14'45" 118°59'22"	Eureka Valley Tuff, Tollhouse Flat Member	L Ignb	Bi	9.6±0.3	9.9±0.3	17	18,6
T1	743-31	U.C. Berkeley KA1909	---	38°14'45" 118°59'22"	Eureka Valley Tuff, Tollhouse Flat(?) Member	L Ignb	Bi	9.5±0.3	9.8±0.3	17	18,6
T2	668-G10	USGS(M)	23	38°14'25" 118°53'30"	Andesite of Aurora Mining District	A	Hb	14.4±0.3	14.8±0.3	15	33
T3	743-120	U.C. Berkeley KA2089	---	38°14'15" 118°49'37"	Basalt of Mount Hicks	B	WR	1.6±0.1	1.6±0.1	17	18,15
T4	[28]7346-3	USGS(M)	9	38°12'52" 118°58'43"	"Wall" andesite (informal)	A F	WR	2.7±0.1	2.8±0.1	19,32	33
T5	856-32	USGS(M)	11	38°12'26" 118°59'48"	Silver Hill Volcanic Series	Dac	Bi	8.9±0.3	9.1±0.3	19,32	33
T6	743-139	U.C. Berkeley KA1993	---	38°12'22" 118°52'44"	---	A	Pl	2.3±1.6	2.4±1.6	17	18
T6	743-139	U.C. Berkeley KA1984	---	38°12'22" 118°52'44"	---	A	Bi	3.4±0.3	3.5±0.3	17	18

T6	743-139	U.C. Berkeley KA1984R	---	38°12'22" 118°52'44"	---	A	Bi	3.1±0.3	3.2±0.3	17	18
T7	BH16	USGS(M)	14	38°12'06" 118°59'56"	Silver Hill Volcanic Series	Dac-A F	Bi	9.4±0.2	9.7±0.2	19,32	33
T8	[29]BH29	USGS(M)	16	38°11'41" 118°57'27"	Murphy Spring Tuff Breccia	Dac Int	Bi	8.7±0.2	8.9±0.2	19,32	33
T9	743-15	U.C. Berkeley KA1972	---	38°11'33" 118°58'47"	Bodie Andesite	A	Pl	8.9±0.2	9.1±0.2	17	18
T10	385-1069	U.C. Berkeley KA2002	---	38°11'18" 118°50'55"	---	A	Pl	2.5±0.3	2.6±0.3	17	18
T10	385-1069	U.C. Berkeley KA2004	---	38°11'18" 118°50'55"	---	A	Bi	2.5±0.1	2.6±0.1	17	18
T11	743-144	U.C. Berkeley KA2076	---	38°10'51" 118°53'33"	---	A	Pl	3.6±0.4	3.7±0.4	17	18
T12	385-465	U.C. Berkeley KA1857	---	38°10'51" 118°49'28"	---	A	Pl	6.2±2.5	6.4±2.6	17	18
T13	385-468	U.C. Berkeley KA1859	---	38°10'45" 118°42'20"	---	A	Pl	2.8±0.4	2.9±0.4	17	18
T14	385-469	U.C. Berkeley KA2003	---	38°10'45" 118°49'36"	---	A	Pl	2.7±0.8	2.8±0.2	17	18
T15	385-466	U.C. Berkeley KA1912	---	38°10'38" 118°49'12"	---	Pum	Bi	2.7±0.2	2.8±0.2	17	18
T16	385-1071	U.C. Berkeley KA1999	---	38°10'25" 118°50'00"	---	A	Pl	1.0±0.1	1.0±0.1	17	18
T17	346	U.C. Berkeley KA1906	---	38°07'16" 118°46'19"	---	L Ignb	Pl	11.7±0.8	12.0±0.8	17	---
T17	346	U.C. Berkeley KA1915	---	38°07'16" 118°46'19"	---	L Ignb	Bi	11.4±0.2	11.7±0.2	17	---
T18	343	U.C. Berkeley KA1855	---	38°06'52" 118°45'29"	---	L Ignb	Sa	11.2±0.2	11.5±0.2	17	---
T18	344	U.C. Berkeley KA1856	---	38°06'52" 118°45'29"	---	L Ignb	Sa	11.1±0.1	11.4±0.1	17	---
T19	347	U.C. Berkeley KA1851	---	38°04'16" 118°45'02"	---	R ash	Bi	3.3±0.1	3.4±0.1	17	---
T20	59B	U.C. Berkeley KA1811	---	38°03'52" 118°48'23"	---	B	WR	4.2±2.1	4.3±2.2	17	---

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
U1	D2543	USGS(D)	---	[21]38°53'18" [21]118°32'42"	Hu-pwi Rhyodacite, Ghost Dance Lava Member	Rd	Bi	23.3±0.6	23.9±0.6	22	---
U2	MLS-73-9	USGS(M)	---	[1]38°51'36" [1]118°37'36"	Tuff of Gabbs Valley	QL AFT	Sa	25.0±1.0	25.7±0.8	22	2
U3	MLS-73-10	USGS(M)	---	[1]38°49'48" [1]118°36'00"	Tuff of Gabbs Valley	QL AFT	Sa	26.1±0.8	26.8±0.8	22	2
U4	3289-10	USGS(M)	---	38°46'42" [1]118°36'00"	Mickey Pass Tuff, Guild Mine Member	QL AF	Sa	27.6±0.8	28.3±0.8	22	2
U4	3289-10	USGS(M)	---	38°46'42" [1]118°36'00"	Mickey Pass Tuff, Guild Mine Member	QL AF	Pl	24.4±0.7	15.0±0.7	22	2
U5	D2572	USGS(D)	---	38°45'00" 118°30'00"	Hu-pwi Rhyodacite, Nugent Tuff Member	Rd	Bi	22.8±0.5	23.4±0.5	22	---
V1	---	USGS(M) 61-007	233	[1]38°39'30" [1]118°30'17"	Quartz monzonite of Gillis Range	Grd	Bi	93.8±2	96.1±2	1	---
V1	---	USGS(M) 61-007	233	[1]38°39'30" [1]118°30'17"	Quartz monzonite of Gillis Range	Grd	Hb	90.2±2	92.5±2	1	---
V2	KMR	---	---	[17]38°39'20" [17]118°31'18"	Quartz monzonite porphyry of Ryan Canyon	Gr	Mu	89.2±3.4	91.4±3.4	49	---
W1	PM-18K	USGS(M) 82I149	---	38°21'40" 118°38'20"	Granodiorite of Alum Creek	Grd	Se	77.8±2.4	79.8±2.4	44	---
W2	---	USGS(M) 61-194	237	[1]38°19'26" [1]118°37'23"	Granodiorite of Alum Creek	Grd	Hb	75.3±2	77.2±2	1	---
X1	---	USGS(M) 61-188	239	38°12'19" 118°31'02"	Granodiorite of Huntoon Valley	Grd	Hb	101.9±2	104.4±2	1	---
X2	1064	U.C. Berkeley KA2047	---	38°12'00" 118°41'20"	---	R Ignb	Sa	28.5±0.6	29.2±0.6	17	15
X3	---	USGS(M)	W20	38°11'32" 118°42'52"	---	A	Bi	3.5±0.1	3.6±0.1	5	---
X3	---	USGS(M)	W20	38°11'32" 118°42'52"	---	A	Pl	3.8±0.3	3.9±0.3	5	17,15

X4	--	USGS(M)	W21	38°11'25" 118°42'46"	---	B	WR	3.5±0.1	3.6±0.1	5	17,15
X5	---	USGS(M)	$W19_1$	38°11'22" 118°42'42"	---	L Per	Sa	3.3±0.1	3.4±0.1	5	17,15
X5	---	USGS(M)	$W19_1$	38°11'22" 118°42'42"	---	L Per	Bi	3.4±0.2	3.5±0.2	5	17,15
X5	---	USGS(M)	$W19_2$	38°11'22" 118°42'42"	---	L Per	Sa	3.2±0.1	3.3±0.1	5	17,15
X5	---	USGS(M)	$W19_2$	38°11'22" 118°42'42"	---	L Per	Bi	3.4±0.2	3.5±0.2	5	17,15
X5	73	U.C. Berkeley KA1813	---	38°11'22" 118°42'42"	---	L Per	Sa	3.5±0.1	3.6±0.1	17	15
X6	1037	U.C. Berkeley KA1876	---	38°11'02" 118°41'56"	---	B	WR	3.9±0.1	4.0±0.1	17	15
X7	1040	U.C. Berkeley KA1850	---	38°10'40" 118°44'47"	---	R Pum	Sa	3.4±0.1	3.5±0.1	17	15
X8	---	USGS(M)	W23	38°10'36" 118°44'32"	Eureka Valley Tuff, Tollhouse Flat Member	L T	Bi	9.5±0.4	9.8±0.4	5	17,15,6
X9	1039	U.C. Berkeley KA1867	---	38°10'40" 118°44'12"	---	B	WR	3.7±0.1	3.8±0.1	17	15
X10	1038	U.C. Berkeley KA1866	---	38°10'14" 118°41'39"	---	B	WR	4.5±0.2	4.6±0.2	17	15
X11	301	U.C. Berkeley KA1974	---	38°07'28" 118°44'49"	---	R Ignb	Sa	22.3±0.3	22.9±0.3	17	---
X11	301	U.C. Berkeley KA1987	---	38°07'28" 118°44'49"	---	R Ignb	Pl	22.0±2.0	22.6±2.0	17	---
X12	1067	U.C. Berkeley KA2000	---	38°07'23" 118°44'38"	---	R Ignb	Pl	23.6±0.5	24.2±0.5	17	15
X13	703	U.C. Berkeley KA2074	---	38°07'14" 118°44'48"	---	R Ignb	Sa	23.6±0.5	24.2±0.5	17	---
X14	327	U.C. Berkeley KA1911	---	38°06'45" 118°43'42"	---	L Ignb	Bi	11.3±0.2	11.6±0.2	17	15
X15	380	U.C. Berkeley KA1860		38°04'49" 118°35'23"	---	L Ignb	Sa	11.2±0.2	11.5±0.2	17	15
X16	378	U.C. Berkeley KA1916	---	38°04'31" 118°36'07"	---	L Ignb	Sa	11.3±0.2	11.6±0.2	17	15

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X16	378	U.C. Berkeley KA1918	---	38°04'31" 118°36'07"	---	L Ignb	Pl	11.6±0.2	11.9±0.2	17	15
X17	379	U.C. Berkeley KA1852	---	38°04'20" 118°36'14"	---	L Ignb	Bi	11.6±0.3	11.9±0.3	17	15
X18	639	U.C. Berkeley KA2016	---	38°04'19" 118°33'41"	---	B	WR	2.7±0.1	2.8±0.1	17	15
X19	638	U.C. Berkeley KA2015	---	38°02'43" 118°31'45"	---	B	WR	3.1±0.1	3.2±0.1	17	15
Y1	MC74BE882	USGS(D)	---	[1]38°51'42" [1]118°26'52"	Granodiorite of Copper Mountain	Grd	Bi	157±4	161±4	23	---
Y1	MC74BE882	USGS(D)	---	[1]38°51'42" [1]118°26'52"	Granodiorite of Copper Mountain	Grd	Hb	154±7	158±7	23	---
Y2	2384-1	USGS(M)	---	38°50'00" 118°23'00"	Andesite of Nugent Wash	A	Hb	22.5±0.6	23.1±0.7	22	2
Y2	2384-1	USGS(M)	---	38°50'00" 118°23'00"	Andesite of Nugent Wash	A	Pl	21.4±0.6	22.0±0.7	22	2
Y3	2402	USGS(D)	---	[1]38°49'04" 118°22'30"	---	L Dk	Gl	5.8±0.2	6.0±0.2	22	---
Y4	Golden Pen 1	USGS(M)	---	38°46'45" 118°22'40"	Blue Sphinx Tuff	QL AFT	Se	22.0±0.7	22.6±0.7	50	---
Y4	Golden Pen 2	USGS(M)	---	38°46'45" 118°22'40"	Blue Sphinx Tuff	Vn	Al	4.6±0.9	4.7±0.9	50	---
Y5	2395	USGS(D)	---	[22]38°45'00" [22]118°18'00"	Hu-pwi Rhyodacite, Poinsettia Tuff Member	Rd T	Bi	23.2±0.8	23.8±0.8	22	---
Y5	2306-7	USGS(M)	---	[22]38°45'00" [22]118°18'00"	Hu-pwi Rhyodacite, Poinsettia Tuff Member	Rd T	Bi	22.6±0.6	23.2±0.6	22	2
Y5	2306-7	USGS(M)	---	[22]38°45'00" [22]118°18'00"	Hu-pwi Rhyodacite, Poinsettia Tuff Member	Rd T	Pl	21.5±0.6	22.1±0.7	22	2
Y6	2408	USGS(D)	---	38°45'00" [1]118°15'48"	---	R Dk	Bi	19.2±0.7	23.1±0.7	22	---

Z1	---	USGS(M) 61-191	232	[1]38°43'28" [1]118°27'17"	Quartz monzonite of Gillis Range	Grd	Hb	89.1±2	91.3±2	1	---
Z2	2337	USGS(D)	---	38°36'00" 118°22'00"	Mickey Pass Tuff, Guild Mine Member	Rd T	Bi	27.2±0.9	27.9±0.9	22	---
Z2	2337	USGS(D)	---	38°36'00" 118°22'00"	Mickey Pass Tuff, Guild Mine Member	Rd T	Sa	28.0±0.6	28.7±0.6	22	---
Z3	2469	USGS(D)	---	38°34'42" 118°25'00"	Lava of Giroux Valley	QL-Rd TBr	Bi	26.7±0.9	27.4±0.9	22	---
Z3	2469	USGS(D)	---	38°34'42" 118°25'00"	Lava of Giroux Valley	QL-Rd TBr	Sa	25.7±0.6	26.4±0.6	22	---
Z4	2701-2	USGS(M)	10	38°30'54" 118°28'00"	---	B	WR	8.5±0.3	8.7±0.3	24	---
Z5	2468	USGS(D)	---	38°30'24" 118°17'48"	---	R VBr	Bi	18.1±0.6	18.6±0.6	22	---
Z6	GH-4	USGS(M)	---	38°30'53" 118°17'27"	Feeder for unit Tv15	Dk	Bi	16.9±0.1	17.3±0.1	35	---
Z7	GH-6	USGS(M)	---	38°30'34" 118°16'51"	Tv16a	TBr	Hb	17.0±0.1	17.4±0.1	35	---
Z8	GH-3	USGS(M)	---	38°30'50" 118°16'28"	Tv15	AFT	Hb	17.1±0.2	17.5±0.2	35	---
Z9	GH-8	USGS(M)	---	38°30'56" 118°16'17"	---	Dk	Hb	16.6±0.1	17.0±0.1	35	---
Z10	GH-2	USGS(M)	---	38°30'53" 118°16'11"	Tv14	TBr	Bi	13.4±0.1	13.8±0.1	35	---
AA1	YU-ACME30	YALE U	1	38°29'00" 118°20'10"	Dunlap Formation	T	Bi	142±3	145±3	25	---
AA2	LPQM-2	Geochron B-4144	---	38°26'15" 118°22'22"	Quartz monzonite of Garfield Hills	Gr	Bi	97.8±3.6	100.2±3.6	51	---
AA3	LPQM-1	Geochron B-4143	---	38°25'53" 118°22'26"	Quartz monzonite of Garfield Hills	Gr	Bi	92.1±3.4	94.4±3.4	51	---
AA4	73-RCB-7	USGS(D)	47	38°20'54" 118°20'50"	---	Trb	WR	5.7±0.2	5.9±0.2	23	---
AA5	3-67F	USGS(D)	48	[23]38°18'43" 118°26'00"	Granite of Whiskey Flat	Gr	Bi	92.4±2.2	94.7±2.3	23	---
AA6	---	USGS(M) 71-022	238	[1]38°16'53" 118°28'50"	Granodiorite of Huntoon Valley	Grd	Bi	86.1±2	[24]88.3±2	1	26
AA6	---	USGS(M) 61-196	238	[1]38°16'53" 118°28'50"	Granodiorite of Huntoon Valley	Grd	Hb	100.5±2	103.0±2	1	26

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AA7	YU-Exc68	Yale U	---	38°17'05" 118°18'30"	Andesite of central Excelsior Mts.	A	Hb	253±3	259±3	27	---
AA8	YU-Exc1	Yale U	---	38°17'00" 118°18'20"	Andesite of central Excelsior Mts.	A	Hb	211±3	216±3	27	---
AA9	RF-R2K	USGS(M) 82I146	---	38°15'15" 118°26'07"	Granite of Whiskey Flat	Gr	Se	82.0±2.5	84.1±2.5	44	---
BB1	Marietta Summit	USGS(M)	1	38°14'24" 118°15'39"	---	Grd	Hb	76.9±3.0	78.8±2.9	26	---
BB1	Marietta Summit	USGS(M)	1	38°14'24" 118°15'39"	---	Grd	Bi	82.0±2.0	84.1±2.0	26	---
BB2	N-Teel-10	USGS(M)	---	38°09'54" 118°26'48"	Mina Formation	VS	Hb	224.9±5.6	229.9±5.6	52	---
BB3	653	U.C. Berkeley KA1970	---	17 38°05'37" 17 118°16'41"	---	Vtr	Sa	22.1±0.3	22.7±0.3	17	15
BB3	653	U.C. Berkeley KA1988	---	17 38°05'37" 17 118°16'41"	---	Vtr	Pl	22.8±0.4	23.4±0.4	17	15
BB3	653	U.C. Berkeley KA2009	---	17 38°05'37" 17 118°16'41"	---	Vtr	Bi	24.0±0.7	24.6±0.7	17	15
BB3	654	U.C. Berkeley KA1979	---	17 38°05'37" 17 118°16'41"	---	R T	Sa	22.0±0.4	22.6±0.4	17	15
BB3	654	U.C. Berkeley KA1989	---	17 38°05'37" 17 118°16'41"	---	R T	Pl	22.0±0.9	22.6±0.4	17	15
CC1	MC-74-BE-762A	USGS(D)	52	1 38°53'22" 1 118°11'02"	---	Vtr	Sa	25.2±0.9	25.9±0.9	23	---
DD1	SA-1	USGS(M)	42	38°38'12" 118°14'54"	Mickey Pass Tuff, Guild Mine Member	Alt R AFT	Al	19.0±0.6	19.5±0.6	2	---
DD2	2605-5	USGS(M)	---	38°38'36" 118°10'30"	Andesite of Mt. Ferguson	A	Pl	15.0±0.5	15.4±0.5	22	2
DD3	2470	USGS(D)	---	38°38'42" 118°07'42"	---	QL	Bi	20.8±0.7	21.3±0.7	22	---

DD4	2536	USGS(D)	---	[21]38°38'00" [21]118°07'00"	Tuff of Redrock Canyon	Rd-QL T	Bi	23.5±0.6	24.1±0.6	22	---
DD5	2374	USGS(D)	---	38°35'42" 118°08'00"	Mickey Pass Tuff, Guild Mine Member	Rd T	Bi	26.3±0.9	27.0±0.9	22	---
DD6	---	61-022	234	[1]38°35'09" [1]118°08'32"	Quartz-hornblende monzonite of Todd Mountain	Grd-Gr	Hb	84.3± 2	86.4± 2	1	---
DD7	SF-R1	USGS(M) 82I135	---	38°30'08" 118°04'40"	---	Grd	Se	84.5±2.5	86.6±2.5	44	---
EE1	YU-M2	Yale U.	---	38°27'05" [1]118°09'56"	Andesite of Black Dyke Mtn.	A	Hb	253±3	258±3	27	---
EE2	YU-M1	Yale U.	---	38°26'26" [1]118°09'39"	Andesite of Black Dyke Mtn.	A	Hb	252±3	258±3	27	---
EE3	---	USGS(M) 71-002	235	[1]38°25'28" [1]118°11'24"	---	Gr	Bi	91.9±2	[24]94.2±2	1	26
EE4	[25]2466	USGS(D)	4	38°25'05" 118°01'26"	---	VSR	Hb	7.3±0.2	7.5±0.2	28	29
EE5	CD-136	USGS(M)	2	38°22'45" 118°09'07"	Tuff of Belleville	Rd AFT	Pl	21.4±0.7	22.0±0.7	29	---
EE6	2436	USGS(D)	10	38°22'37" 118°09'10"	Tuff of Belleville	Rd AFT	Pl	21.4±0.9	22.0±0.9	28	29
EE7	EXCX1	USGS(M)	---	38°22'30" 118°08'54"	Mina Formation	VS	Hb	255.8±6.5	261.4±6.5	52	---
EE8	142-52	USGS(M)	---	38°22'30" 118°08'18"	Mina Formation	VS	Hb	235.1±6.1	240.3±6.1	52	---
EE9	142-294	USGS(M)	---	38°22'24" 118°09'48"	Mina Formation	VS	Hb	240.2±6.1	245.5±6.1	52	---
EE10	EXCX2	USGS(M)	---	38°22'06" 118°09'24"	Mina Formation	VS	Hb	178.5±4.6	182.7±4.6	52	---
EE11	CD-261	USGS(M)	3	38°22'13" 118°09'08"	Tuff of Metallic City	R AFT	Bi	23.6±0.7	24.2±0.7	29	---
EE11	CD-261	USGS(M)	3	38°22'13" 118°09'08"	Tuff of Metallic City	R AFT	Pl	24.2±1.0	24.8±1.0	29	---
EE12	[25]2466	USGS(D)	3	38°21'55" 118°08'17"	---	VSR	Bi	5.7±0.2	5.9±0.2	28	29
EE13	NBM AD-8	Geochron B-0426	58	38°21'45" 118°03'05"	---	Grd	Bi	68.7±1.8	[24]70.4±1.8	30	26

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
EE14	PilotX2	USGS(M)	---	38°21'06" 117°58'12"	Mina Formation	VS	Hb	261.8±6.7	267.5±6.7	52	---
EE15	CD31	USGS(M)	15	38°21'04" 118°10'03"	---	A	Bi	15.3±0.5	15.7±0.5	24	29
EE15	CD31	USGS(M)	15	38°21'04" 118°10'03"	---	A	Pl	15.7±0.7	16.1±0.7	24	29
EE16	CD8	USGS(M)	16	38°20'27" 118°12'02"	---	Ad-Q Vn	Ad	15.0±0.5	15.4±0.5	24	29
EE17	CD-137	USGS(M)	1	38°20'12" 118°09'36"	---	L Int	Pl	18.4±0.8	18.9±0.8	29	---
EE18	CD-139	USGS(M)	6	38°18'55" 118°11'52"	Diorite of Silver Dyke Canyon	D	Bi	94.4±2.8	[24]96.8±2.9	29	26
EE18	CD-139	USGS(M)	6	38°18'55" 118°11'52"	Diorite of Silver Dyke Canyon	D	Hb	89.3±4.6	91.5±4.6	29	---
EE19	CD-138	USGS(M)	53	38°18'54" 118°11'54"	Silver Dyke vein system	Q Vn	KF	16.9±0.2	17.3±0.2	2	29
EE19	CD-142	USGS(M)	54	38°18'54" 118°11'54"	Silver Dyke vein system	KF-Q-Sul Vn	KF	74.0±2.2	75.9±2.3	2	29
EE20	SP-5	Geochron	7	[26]38°18'44" [26]118°11'45"	Diorite of Silver Dyke Canyon	D	Bi	98.6±4	[24]101±4	29	26
EE21	---	USGS(M)	4	[26]38°17'12" [26]118°10'18"	---	QD	Bi	15.8±0.5	16.2±0.5	26	---
EE22	---	Geochron B-3462	15	38°16'51" 118°13'05"	---	AFT	Bi	27.1±1.5	27.8±1.5	28	29
EE23	CD140	USGS(M)	5	38°16'37" 118°12'04"	---	Gr	AkF	76.6±2.3	78.5±2.4	29	---
EE23	CD140	USGS(M)	5	38°16'37" 118°12'04"	---	Gr	Bi	90.5±2.7	92.8±2.8	29	---
EE23	CD140	USGS(M)	5	38°16'37" 118°12'04"	---	Gr	Pl	68.6±2.0	70.3±2.1	29	---
EE24	CD141	USGS(M)	4	38°15'55" 118°14'17"	---	Gr Por Dk	AkF	72.1±2.1	73.9±2.2	29	---

EE24	CD141	USGS(M)	4	38°15'55" 118°14'17"	---	Gr Por Dk	Bi	87.3±2.6	89.5±2.7	29	---
FF1	2405	USGS(D)	5	38°14'31" 118°08'38"	---	A	Hb	17.3±1.1	17.8±1.1	28	---
FF1	2405	USGS(D)	5	38°14'31" 118°08'38"	---	A	Pl	17.4±0.6	17.9±0.6	28	---
FF2	---	Geochron R3476	11	38°12'04" 118°05'45"	Unit 6 of Miocene tuffs of Candelaria Hills	B	WR	24.1±1.9	24.8±2.0	28	---
FF3	2550	USGS(D)	8	38°11'09" 118°06'00"	Unit 9 of Miocene tuffs of Candelaria Hills	T	Sa	22.9±0.5	23.5±0.5	28	---
FF4	2404	USGS(D)	9	38°10'01" 118°09'45"	Unit 9 of Miocene tuffs of Candelaria Hills	T	Bi	24.6±0.9	25.2±0.9	28	---
FF5	2392	USGS(D)	2	38°09'47" 118°03'00"	---	B	WR	2.9±0.1	3.0±0.1	28	---
FF6	2391	USGS(D)	1	38°09'27" 118°04'54"	---	B	WR	2.8±0.1	2.9±0.1	28	---
FF7	CAND2-5	USGS(M)	---	38°09'24" 118°04'54"	---	Gs	Hb	215.0±5.5	219.9±5.5	52	---
FF8	CAN-2	USGS(M)	9	38°09'15" 118°05'00"	---	B	WR	3.9±0.4	4.0±0.4	24	---
FF9	2380	USGS(D)	12	38°08'36" 118°05'56"	Unit 5 of Miocene tuffs of Candelaria Hills	T	Bi	24.2±0.9	24.8±0.9	28	---
FF10	2390	USGS(D)	6	38°08'40" 118°05'32"	---	A	WR	15.7±0.5	16.1±0.5	28	---
FF11	2379	USGS(D)	13	38°08'46" 118°05'13"	Unit 1 of Miocene tuffs of Candelaria Hills	T	Bi	24.7±0.8	25.4±0.8	28	---
FF12	CAN-1	USGS(M)	7	38°08'48" 118°04'48"	---	Alt QM Por	Mu	126±4	129±4	24	---
FF13	CAN-3	USGS(M)	8	38°09'00" 118°04'24"	---	R AF(?)	Sa	22.8±0.7	23.4±0.7	24	---
FF14	2381	USGS(D)	7	38°09'04" 118°03'38"	Unit 9 of Miocene tuffs of Candelaria Hills	T	Bi	22.2±0.8	22.8±0.8	28	---
FF15	Miller Mt.	USGS(M)	8	38°00'51" 118°08'33"	---	Grtd	Mu	89.5±2.3	91.7±2.4	26	---

Map number (sheet 1)	Field number	Laboratory number	Map or tabulation number in primary reference	Latitude Longitude	Unit name or symbol	Rock type	Mineral	Age m.y. B.P. Pre-1976 constants	Age m.y. B.P. 1976 IUGS constants	Primary reference	Other references
FF15	Miller Mt.	USGS(M)	8	38°00'51" 118°08'33"	---	Grtd	Bi	87.6±2.0	89.8±2.0	26	---
FF16	---	USGS(M)	14	38°01'00" 118°06'00"	---	R WT	Bi	22.8±1.0	23.4±1.0	31	15

[1]Revises latitude or longitude reported in primary reference.

[2]Reference 5 designates as W30 the average age (4.75) of KA1119 and KA1120; however, the location reported for W30 does not strictly agree with the location reported for KA1119 and KA1120 in reference 3.

[3]The locality indicated for this sample in reference 1 is underlain by the granodiorite of Lake Alpine rather than the Stanislaus Meadow Adamellite as reported.

[4]Quartz monzonite of Topaz Lake is incorrectly indicated as the unit for this sample in reference 1.

[5]Granodiorite west of the quartz monzonite of Topaz Lake in reference 1 is presently correlated with the granodiorite of Kinney Lakes.

[6]Dardanelles facies basalt (informal) in reference 3.

[7]Latite of Bald Peak in reference 5.

[8]Sonora Pass biotite-augite latite (informal) in reference 7 and the latite tuff of Bald Peak in reference 5.

[9]This sample locality, thought in reference 1 to be underlain by the granodiorite west of the quartz monzonite of Topaz Lake (now correlated with the granodiorite of Kinney Lakes), is actually underlain by one of several granodiorites still farther southwest that are loosely designated as the granodiorite of Poopenaut Valley.

[10]Sonora Pass rhyolite (informal) in reference 7 and the Lower Eagle Meadow Tuff in reference 3.

[11]KA975A is a rerun of KA975.

[12]Lower Eagle Meadow Tuff in reference 3.

[13]Omitted from map in reference 1. Also map number 64 in reference 1 is mislocated; the sample locality is south of rather than within the boundaries of the Walker Lake 1° by 2° quadrangle.

[14]Pre-1976 constants are assumed.

[15]Reported longitude appears in error (perhaps by 10 minutes) since locality does not jibe with corresponding map unit.

[16]Latitude and longitude appear to be reported to nearest half minute such that this locality does not strictly jibe with corresponding map unit.

[17]Approximate location.

[18]Sample location unreported in reference 19 or 32.

[19]Reference 40.

[20]Latitude and (or) longitude reported in reference 12 do not strictly jibe with corresponding map unit in reference 41.

[21]Latitude and longitude do not strictly agree with verbal location in primary reference.

[22]Verbal location in reference 22 may be incorrect.

[23]Latitude and longitude reported in reference 23 correspond to east side of Rattlesnake Flat rather than south side as indicated in verbal location.

[24]Recalculated age using 1976 IUGS constants disagrees slightly with recalculated age reported in reference 26.

[25]Identical field numbers are reported for EE4 and EE8 in reference 28.

[26]Latitudes and longitudes for samples 4 and 5 in reference 26 are transposed.

[27]This age appears to be in error. A Rb-Sr whole-rock isochron of four samples of the Mill Creek pluton collected near this locality together with three other samples yields an age of 84.2±0.6 m.y.

[28]Field number erroneously designated 7346-1 in primary reference 19.

[29]Field numbers do not agree between primary references 19 and 32.

[30]Reference 54.

[31]Reference 55.

REFERENCES FOR TABLE 1

1. Evernden, J. F., and Kistler, R. W., 1970, Chronology of emplacement of Mesozoic batholithic complexes in California and western Nevada: U.S. Geological Survey Professional Paper 623, 42 p.
2. Morton, J. L., Silberman, M. L., Bonham, H. F., Jr., and Garside, L. J., 1977, K-Ar ages of volcanic rocks, plutonic rocks, and ore deposits in Nevada and eastern California--Determinations run under the USGS-NBMG cooperative program: Isochron/West, no. 20, p. 19-29.
3. Dalrymple, G. B., 1964, Cenozoic chronology of the Sierra Nevada, California: California University Publications in Geological Science, v. 47, 41 p.
4. Unpublished; sample submitted by W. Moore, R. Armin, and D. John to R. W. Kistler for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.
5. Dalrymple, G. B., Cox, A., Doell, R. R., and Gromme, C. S., 1967, Pliocene geomagnetic polarity epochs: Earth and Planetary Science Letters, v. 17, p. 163-173.
6. Noble, D. C., Slemmons, D. B., Korringa, M. K., Dickinson, W. R., Al-Rawi, Y., and McKee, E. H., 1974, Eureka Valley Tuff, east-central California and adjacent Nevada: Geology, v. 2, no. 3, p. 139-142.
7. Dalrymple, G. B., 1963, Potassium-argon dates of some Cenozoic volcanic rocks of the Sierra Nevada, California: Geological Society of America Bulletin, v. 74, p. 379-390.
8. Unpublished; sample submitted by N. K. Huber to R. W. Kistler for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.
9. Proffett, J. M., Jr. and Proffett, B. H., 1976, Stratigraphy of the Tertiary ash-flow tuffs in the Yerrington District, Nevada: Nevada Bureau of Mines and Geology Report 27, 28 p.
10. Noble, D. C., McKee, E. H., and Schweickert, R. A., 1973, K-Ar ages on post early Jurassic granodiorite from the southern Pine Nut Range, western Nevada: Isochron/West, no. 7, p. 3-4.
11. Schweickert, R. A., 1976, Shallow-level plutonic complexes in the eastern Sierra Nevada, California, and their tectonic implications: Geological Society of America Special Paper 176, 58 p.
12. Bingler, E. C., Silberman, M. L., and McKee, E. H., 1980, K-Ar ages of volcanic and plutonic rocks in the northern Wassuk Range, central-western Nevada: Isochron/West, no. 27, p. 13-16.
13. Gilbert, C. M., and Reynolds, M. W., 1973, Character and chronology of basin and range development, western margin of the Basin and Range Province: Geological Society of American Bulletin, v. 84, p. 2489-2510.
14. Evernden, J. F., Savage, D. E., Curtis, G. H., and James, G. T., 1964, Potassium-argon dates and the Cenozoic mammalian chronology of North America: American Journal of Science, v. 262, no. 2, p. 145-198.
15. Silberman, M. L., and McKee, E. H., 1972, A summary of radiometric age determinations on Tertiary volcanic rocks from Nevada and eastern California: Part II, western Nevada: Isochron/West, no. 4, p. 7-28.
16. Krueger, H. W., and Schilling, J. H., 1971, Geochron/Nevada Bureau of Mines K/Ar age determinations--List 1: Isochron/West, no. 71-1, p. 9-14.

17. Gilbert, C. M., Christensen, M. N., Al-Rawi, Y., and Lajoie, K. L., 1968, Structural and volcanic history of Mono Basin, California-Nevada, in Coats, R. R., Hay, R. L., and Anderson, C. A., eds., Studies in volcanology: Geological Society of America Memoir 116, p. 275-329.

18. Al-Rawi, Y. T., 1969, Cenozoic history of the northern part of Mono Basin, California and Nevada: University of California, Berkeley, Ph.D dissertation, 163 p.

19. Silberman, M. L. and Chesterman, C. W., 1972, K-Ar age of volcanism and mineralization, Bodie mining district and Bodie Hills volcanic field, Mono County, Caliornia: Isochron/West, no. 3, p. 13-22.

20. Marvin, R. F. and Dobson, S. W., 1979, Radiometric ages: compilation B, U.S. Geological Survey: Isochron/West, no. 26, p. 3-32.

21. Bingler, E. C., 1972, K-Ar dates from volcanic and plutonic rocks of the northern Wassuk Range, central western Nevada: Isochron/West, no. 3, p. 31-32.

22. Ekren, E. B., Byers, F. M., Jr., Hardyman, R. F., Marvin, R. F., and Silberman, M. L., 1980, Stratigraphy, preliminary petrology, and some structural features of Tertiary volcanic rocks in the Gabbs Valley and Gillis Ranges, Mineral County, Nevada: U.S. Geological Survey Bulletin 1464, 54 p.

23. Marvin, R. F., and Cole, J. C., 1978, Radiometric ages: compilation A, U.S. Geological Survey: Isochron/West, no. 22, p. 3-14.

24. Silberman, M. L., Bonham, H. F., Jr., and Osborne, D. H., 1975, New K-Ar ages of volcanic and plutonic rocks and ore deposits in western Nevada: Isochron/West, no. 13, p. 13-21.

25. Armstrong, R. L., Speed, R. C., Graustein, W. C., and Young, A. Y., 1976, K-Ar dates from Arizona, Montana, Nevada, Utah, and Wyoming: Isochron/West, no. 16, p. 1-6.

26. Speed, R. C., and Kistler, R. W., 1980, Cretaceous volcanism, Excelsior Mountains, Nevada: Geological Society of America Bulletin, Part 1, v. 91, p. 392-298.

27. Speed, R. C., and Armstrong, R. L., 1971, Potassium-argon ages of some minerals from igneous rocks of western Nevada: Isochron/West, no. 71-1, p. 1-14.

28. Marvin, R. F., Mehnert, H. H., Speed, R. C., and Cogbill, A. H., 1977, K-Ar ages of Tertiary igneous and sedimentary rocks of the Mina-Candelaria region, Mineral County, Nevada: Isochron/West, no. 18, p. 9-12.

29. Garside, L. J., and Silberman, M. L., 1978, New K-Ar ages of volcanic and plutonic rocks from the Camp Douglas quadrangle, Mineral County, Nevada: Isochron/West, no. 22, p. 29-32.

30. Schilling, J. H., 1965, Isotopic age determinations of Nevada rocks: Nevada Bureau of Mines Report 10, 79 p.

31. Robinson, P. T., McKee, E. H., and Moila, R. J., 1968, Cenozoic volcanism and sedimentation, Silver Peak region, western Nevada and adjacent California, in Coats, R. R., Hay, R. L., and Anderson, C. A., eds., Studies in volcanology: Geological Society of America Memoir 116, p. 517-611.

32. Silberman, M. L., Chesterman, C. W., Kleinhampl, F. J., and Gray, C. H., Jr., 1972, K-Ar ages of volcanic rocks and gold-bearing quartz-adularia veins in the Bodie mining district, Mono County, California: Economic Geology, v. 67, p. 597-604.

33. Kleinhampl, F. J., Davis, W. E., Silberman, M. L., Chesterman, C. W., Chapman, R. H., and Gray, C. H., Jr., 1975, Aeromagnetic and limited gravity studies and generalized geology of the Bodie Hills region, Nevada and California: U.S. Geological Survey Bulletin 1384, 38 p.

34. Chesterman, C. W., 1975, Geology of the Bodie quadrangle, Mono County, California: California Division of Mines and Geology, Map Sheet 21.

35. Unpublished; sample submitted by S. Goodwin to R. W. Kistler for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.

36. Unpublished; sample submitted by F. J. Kleinhampl to M. L. Silberman for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.

37. Unpublished; sample submitted by W. Moore, R. Armin, and D. John to E. H. McKee for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.

38. Unpublished; sample submitted by W. J. Keith to E. H. McKee for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.

39. McKee, E. H., and Howe, R. A., 1981, Geologic map of the Mokelumne Wilderness and contiguous RARE II planning areas, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1201-A.

40. Bingler, E. C., 1978, Abandonment of the name Hartford Hill Rhyolite Tuff and adoption of new formation names from middle Tertiary ash-flow tuffs in the Carson City-Silver City area, Nevada: U.S. Geological Survey Bulletin 1457-D, 19 p.

41. Bingler, E. C., 1978, Geologic map of the Schurz quadrangle: Nevada Bureau of Mines and Geology Map 60.

42. Everden, J. F., Curtis, G. H., Obradovich, J., and Kistler, R., 1961, On the evaluation of glauconite and illite for dating sedimentary rocks by the potassium-argon method: Geochemica et Cosmochemica Acta, v. 23, p. 78-79.

43. Chesterman, C. W., 1968, Volcanic geology of the Bodie Hills, Mono County, California, in Coats, R. R., Hay, R. L., and Anderson, C. A., eds., Studies in volcanology: Geological Society of America Memoir 116, p. 45-68.

44. Unpublished; sample submitted by F. J. Kleinhampl to E. H. McKee for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.

45. Dalrymple, G. B., 1964, Potassium-argon dates of three Pleistocene interglacial basalt flows from the Sierra Nevada, California: Geological Society of America Bulletin, v. 75, p. 753-758.

46. Turrin, B., unpublished, 1983.

47. Frei, L. S., Magill, J. R., and Cox, A., 1983, Paleomagnetic results form the central Sierra Nevada: Constraints on reconstructions of the western United States [abs.]: Eos, Transactions, American Geophysical Union, v. 63, no. 45, p. 916

48. Unpublished; sample collected by R. W. Kistler for K-Ar analysis at U.S. Geological Survey, Menlo Park, California

49. Leuthe, R. D., 1974, Petrology of the Ryan Canyon stock, Mineral County, Nevada: University of Nevada, Reno, M.S. thesis.

50. Weaver, S. G., 1982, The geology of the Bovard mining district, Gabbs Valley Range, Mineral County, Nevada: University of Nevada, Reno, M.S. thesis.

51. Oldow, J. S., unpublished, 1978

52. Unpublished; sample submitted by R. R. Speed to R. W. Kistler for K-Ar analysis at U.S. Geological Survey, Menlo Park, California.

53. Rose, R. L., unpublished, 1981.

54. Parker, R. B., 1961, Petrology and structural geometry of pre-granitic rocks in the Sierra Nevada, Alpine County, California: Geological Society of America Bulletin, v. 72, p. 1789-1806.

55. Wilshire, H., 1957, Propylitization of Tertiary volcanic rocks near Ebbetts Pass, Alpine County, California: University of California Publications in Geological Sciences, v. 32, no. 4, p. 243-272.

TABLE 2.--Rb-Sr data in the Walker Lake 1° by 2° quadrangle, California and Nevada

[This table contains previously unpublished Rb-Sr data for samples collected and analyzed by the authors. Exceptions are those field numbers that are footnoted indicating a reference or a collector who submitted the sample to the authors for analysis. Other footnotes credit authors for unit names that have not been adopted by the U.S. Geological Survey. Superscripts that qualify unit name or rock type are: #, field term or term from literature may not be accurate; ##, sample locality may not correlate with type locality; ###, dike cuts unit, but may not be co-magmatic. Abbreviations used for rock type: G, gabbro; D, diorite; QD, quartz diorite; QMd, quartz monzodiorite; QM, quartz monzonite; Grd, granodiorite; Gr, granite; Ma, mafic; Le, leuco; B, basalt; A, andesite; Mta, meta-andesite; Mtdac, metadacite; Mtr, metarhyolite; Mtf, meta-felsite; Ap, aplite; Peg, pegmatite; Ala, alaskite; Mtv, metavolcanic; Mtpor, metaporphyry; Por, porphyry; Porph, porphyritic; Dk, dike; Bi, biotite; Hb, hornblende; Pl, plagioclase. Analyses of Rb and Sr concentration are by energy dispersive XRF, except as noted: *, wavelength XRF and **, isotope dilution. Estimated relative error is 3 percent for XRF and 1.5 percent for isotope dilution. $^{85}Rb/^{87}Rb=2.593$. All Sr isotopic ratios are normalized to $^{86}Sr/^{88}Sr=0.1194$. $^{87}Sr/^{86}Sr$ reported to the fifth decimal place have a coefficient of variation less than 0.03 percent, and were obtained from a mass spectrometer that yielded $^{87}Sr/^{86}Sr$ values of 0.70801±10 and 0.71023±10 from replicate analyses of the Eimer and Amend and NBS 987 $SrCO_3$ standards respectively. $^{87}Sr/^{86}Sr$ reported to the sixth decimal place have a coefficient of variation less than 0.01 percent, and were obtained from a mass spectrometer that yielded $^{87}Sr/^{86}Sr$ values of 0.70800±3 and 0.71023±3 from replicate analyses of the Eimer and Amend and NBS 987 $SrCO_3$ standards respectively.]

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
A1	[1]SN13	38°58'05" 119°55'35"	Granodiorite of East Peak	Grd	118	465	0.254	0.735	0.70616
A2	S31-0	38°58'45" 119°53'10"	Granodiorite of Daggett Pass	QMd-Grd	135	428	0.315	0.913	0.705942
A3	S32-0	38°57'45" 119°50'57"	Granodiorite of Daggett Pass	QMd-Grd	132	424	0.311	0.901	0.706272
A4	S29-0	38°54'17" 119°58'03"	Bryan Meadow Granodiorite	Grd	112	532	0.211	0.609	0.706133
A5	S34-0	38°52'40" 119°49'25"	Bryan Meadow Granodiorite	Grd	149	365	0.408	1.181	0.706904
A5	S34A-0	38°52'40" 119°49'25"	Bryan Meadow Granodiorite	Ap-Peg	197	36.4	5.41	15.7	0.723919
A6	[1]SN14	38°47'49" 119°57'55"	Bryan Meadow Granodiorite	Grd	144	384	0.375	1.085	0.70720
A7	S2-9	38°46'14" 119°52'18"	Bryan Meadow Granodiorite	Grd	118	459	0.257	0.743	0.70615
B1	S38-0	38°42'18 119°59'02"	[17]Carson Pass Tonalite	QD-Grd	91.1	460	0.198	0.573	0.706431
B1	S38A-0	38°42'18" 119°59'02"	[17]Carson Pass Tonalite	Ap	134	186	0.720	2.08	0.708527
B2	S37-0	38°42'02" 119°57'56"	[17]Carson Pass Tonalite	Qd-Grd	80.7	500	0.161	0.467	0.706162

B3	S35-0	38°42'19" 119°55'25"	[17]Burnside Lake Adamellite	Gr	164	192	0.854	2.47	0.708573
B3	S35A-0	38°42'19" 119°55'25"	[17]Burnside Lake Adamellite###	Ap	139	165	0.842	2.44	0.709492
B4	S36-0	38°43'13" 119°55'20"	[17]Burnside Lake Adamellite	Gr	173	214	0.808	2.34	0.708434
B5	S27-0	38°41'52" 119°49'31"	Granodiorite of Millberry Canyon	Grd	103	499	0.206	0.597	0.706470
B6	S25-0	38°30'49" 119°55'17"	[17]Stanislaus Meadow Adamellite	Gr	212	222	0.955	2.76	0.710130
B7	S50-9	38°32'55" 119°51'44"	Granodiorite west of the Elbow	Grd	104	420	0.248	0.716	0.70761
B7	S50A-9	38°32'55" 119°51'44"	Granodiorite west of the Elbow	Ap	149**	26.1**	5.71	16.6	0.72804
B7	S50B-9	38°32'55" 119°51'44"	Granodiorite of Kinney Lakes	Grd	144	361	0.399	1.154	0.70714
B8	S26-0	38°32'42" 119°48'41"	Granodiorite of Kinney Lakes	Grd	105	433	0.242	0.702	0.706469
B9	S49-9	38°34'55" 119°47'52"	Granodiorite of Kinney Lakes	Grd	108	509	0.208	0.602	0.70624
B10	S49A-9	38°34'52" 119°48'26"	Granodiorite of Kinney Lakes	Ap	131	41.0	3.195	9.25	0.71635
C1	[2]81-DJ-78	38°26'01" 119°58'05"	Granodiorite of Kinney Lakes	Grd	120	449	0.267	0.772	0.706764
C2	[2]81-DJ-79	38°25'48" 119°58'08"	Granodiorite of Kinney Lakes	Grd	152	255	0.596	1.724	0.707935
C3	[2]81-DJ-80	38°25'14" 119°58'39"	Granodiorite of Kinney Lakes	Grd	158	426	0.371	1.073	0.707164
C3	[2]81-DJ-80P	38°25'14" 119°58'39"	Granodiorite of Kinney Lakes	Peg	259	85.7	3.02	8.75	0.716892
C4	[2]81-DJ-63	38°21'18" 119°52'40"	Granodiorite of Kinney Lakes	Grd	115	510	0.225	0.651	0.706513
C5	[2]81-DJ-64	38°20'28" 119°55'27"	Granodiorite of Kinney Lakes	Grd	100	533	0.188	0.544	0.706582
C6	[2]81-DJ-65	38°19'12" 119°55'30"	Granodiorite of Poopenaut Valley##	Grd	70.3	562	0.125	0.362	0.706702
C7	[3]8	38°19'35" 119°55'07"	Granodiorite of Poopenaut Valley##	Grd	69.1*	591*	0.117	0.338	0.7066

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
C8	[4]C-9	38°18'34" 119°57'58"	Granodiorite of Bummers Flat	Grd	82.4	338	0.244	0.705	0.707279
C9	S11-9	38°16'20" 119°59'05"	Granodiorite of Poopenaut Valley##	Grd	69.4	568	0.122	0.353	0.70681
C9	S11A-9	38°16'20" 119°59'05"	Granodiorite of Poopenaut Valley##	Peg	134	357	0.375	1.086	0.70760
C10	S10-9	38°24'31" 119°46'04"	Granodiorite of Topaz Lake	Grd-Gr	119	633	0.188	0.544	0.70605
C11	[3]7	38°20'27" 119°49'27"	Granodiorite of Topaz Lake	Grd-Gr	104*	587*	0.177	0.513	0.7062
E1	NS8-80	38°51'14" 119°44'36"	Quartz monzodiorite of Dresslerville	QMd	68.3	576	0.119	0.344	0.70522
E2	N11-81	38°55'15" 119°31'11"	Quartz monzonite of Mt. Siegel##	QD-Grd	137	528	0.259	0.751	0.706279
E2	N11A-81	38°55'15" 119°31'11"	Quartz monzonite of Mt. Siegel##	Ala	128	729	0.176	0.509	0.706042
F1	S1-9	38°38'31" 119°32'30"	Granodiorite of Topaz Lake	Grd-Gr	143**	632**	0.227	0.655	0.70628
F2	S48-9	38°34'57" 119°41'38"	Granodiorite of Topaz Lake	Grd-Gr	141	570	0.247	0.716	0.70667
F3	S57-9	38°30'50" 119°31'54"	China Garden pluton	Grd-Gr Por	121	198	0.611	1.768	0.70714
F4	S58-9	38°30'53" 119°31'47"	China Garden pluton	Grd-Gr Por	115	321	0.358	1.036	0.70601
F5	S59-9	38°30'59" 119°31'37"	China Garden pluton	Grd-Gr Por	81.7**	521**	0.157	0.454	0.70517
F6	S60-9	38°31'08" 119°31'30"	China Garden pluton	Grd-Gr	104	280	0.371	1.075	0.70590
F7	S61-9	38°32'29" 119°31'09"	West Antelope metamorphic sequence	Mtdac	116	210	0.552	1.598	0.70716
F8	S62-9	38°32'35" 119°31'16"	West Antelope metamorphic sequence	Mtdac	102	194	0.526	1.521	0.70674

F9	S63-9	38°32'45" 119°31'11"	West Antelope metamorphic sequence	Mtdac	101	190	0.532	1.538	0.70681
F10	[2]80-RA-65	38°32'39" 119°31'46"	West Antelope metamorphic sequence	Mtdac	124	137	0.905	2.618	0.708243
F11	[2]80-RA-66	38°32'51" 119°31'47"	West Antelope metamorphic sequence	Mtdac	120	185	0.649	1.877	0.707384
F12	S64-9	38°32'23" 119°31'24"	West Antelope metamorphic sequence	Mtr	124	125	0.992	2.870	0.70831
F13	S65-9	38°32'35" 119°30'46"	West Antelope metamorphic sequence	Mtr	156	140	1.114	3.224	0.70895
F14	C15-81	38°32'24" 119°31'15"	West Antelope metamorphic sequence	Mtr	128	123	1.040	3.012	0.709103
G1	S17-9	38°20'09" 119°39'12"	Granodiorite of Topaz Lake	Grd-Gr	139	603	0.231	0.667	0.70626
G2	S18-9	38°19'19" 119°33'45"	Granodiorite of Kinney Lakes	Grd	109	280	0.389	1.126	0.70694
H1	[5]7-102-1	38°13'00" 119°33'07"	Granodiorite of Kinney Lakes	Grd	103	347	0.297	0.859	0.70655
H2	[5]7-98-1	38°08'40" 119°32'47"	Cathedral Peak Granodiorite	Grd	142	576	0.247	0.713	0.70715
H3	[5]7-90-1	38°10'45" 119°32'00"	Unnamed	Mtr	145	239	0.607	1.755	0.70834
H4	[6]CL-48	38°09'41" 119°34'47"	Granodiorite of Lake Harriet	Grd	92.6	348	0.266	0.770	0.70602
H5	[6]CL-49	38°11'43" 119°35'30"	Granodiorite of Lake Harriet	Grd	61.8	607	0.102	0.295	0.70627
H6	[6]CL-50	38°12'03" 119°35'16"	Granodiorite of Lake Harriet	Grd	143	254	0.563	1.629	0.70755
H7	[6]CL-51	38°12'15" 119°35'03"	Granodiorite of Lake Harriet	Grd	141	335	0.421	1.218	0.70702
H8	[6]CL-52	38°12'18" 119°34'42"	Unnamed	D	86.9	597	0.146	0.421	0.706660
H9	[6]CL-53	38°12'24" 119°34'41"	Unnamed	Mtr(?)	110	436	0.252	0.730	0.70676
H10	[6]CL-54	38°12'19" 119°34'35"	Unnamed	Ala	217**	30.0**	7.23	21.0	0.734150
H11	[6]CL-55	38°12'13" 119°34'04"	Unnamed	Mtr(?)	72.8	448	0.163	0.470	0.70580

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
H12	[6]CL-56	38°09'57" 119°34'38"	Granite of Bond Pass	Gr	126	320	0.394	1.139	0.70737
H13	[6]CL-57	38°10'46" 119°34'57"	Granite of Dorothy Lake	Gr	189	67.9	2.78	8.05	0.71514
H14	[6]CL-58	38°10'34" 119°35'00"	Granite of Dorothy Lake	Gr	175	106	1.651	4.78	0.71153
H15	[6]CL-61	38°09'15" 119°33'14"	Granodiorite of Lake Harriet	Grd	120	329	0.365	1.055	0.706572
I1	NS1-80	38°45'00" 119°27'18"	Unnamed	Por	103	575	0.179	0.518	0.70521
I1	NS2-80	38°45'00" 119°27'18"	Unnamed	Por	109	118	0.924	2.68	0.71281
I1	NS3-80	38°45'00" 119°27'18"	Unnamed###	Ap	201	26.5	7.58	22.0	0.73587
I2	NS4-80	38°50'07" 119°28'12"	Granodiorite of Bullionville	D-Grd	122	291	0.419	1.212	0.70585
I3	[7]Y-787	38°58'42" 119°15'59"	Yerington batholith	QM	168	587	0.286	0.828	0.705781
I4	[7]Y-788	38°58'16" 119°15'53"	Yerington batholith	QMd	86.9	1179	0.0737	0.213	0.704565
I5	[7]Y-797	38°57'39" 119°16'52"	Artesia Formation	Mta	57.6	829	0.0695	0.201	0.704384
I6	[7]Y-818	38°56'05" 119°15'46"	Quartz monzonite of Mt. Siegel##	QD-Gr	137	489	0.280	0.811	0.706145
J1	S73-9	38°35'58" 119°27'11"	Unnamed	D-QD	39.2	438	0.0895	0.259	0.705022
J2	S66-9	38°31'14" 119°29'55"	Unnamed	D-QD	73.7	554	0.133	0.385	0.70524
J3	S24-9	38°35'49" 119°23'06"	Unnamed	D-QD#	279	286	0.976	2.82	0.71018
J4	S72-9	38°32'04" 119°26'48"	Unnamed	D-QD#	151	419	0.360	1.043	0.706710

J5	S56-9	38°31'49" 119°29'18"	China Garden pluton	Grd-Gr	160	263	0.608	1.76	0.70664
J5	S56A-9	38°31'49" 119°29'18"	China Garden pluton	Ap	129**	111**	1.162	3.36	0.70907
J6	S67-9	38°32'07" 119°29'42"	China Garden pluton	Ap	175	84.4	2.07	6.00	0.711930
J7	S71-9	38°31'24" 119°25'36"	China Garden pluton	Grd-Gr	133	258	0.515	1.49	0.706394
J8	S68A-9	38°31'42" 119°25'23"	Granite of Desert Creek###	Ap	126	132	0.955	2.76	0.709486
J8	S68B-9	38°31'42" 119°25'23"	Granite of Desert Creek	QM-Gr	174	241	0.722	2.09	0.709729
J8	S68C-9	38°31'42" 119°25'23"	Granite of Desert Creek	Mtpor	184	139	1.32	3.83	0.713289
J8	S68D-9	38°31'42" 119°25'23"	Granite of Desert Creek	Mtpor	138	83.6	1.65	4.78	0.715606
J9	S69-9	38°31'45" 119°25'19"	Granite of Desert Creek	Mtpor	156	107	1.46	4.22	0.714215
J10	S70-9	38°31'35" 119°25'17"	Granite of Desert Creek	Mtf	169	132	1.28	3.72	0.712990
J11	S26-9	38°35'15" 119°23'08"	Granite of Desert Creek	QM-Gr	150	567	0.265	0.765	0.70674
J12	[8]2689-16	38°32'54" 119°19'05"	Granite of Desert Creek	QM-Gr	195	333	0.586	1.69	0.708405
J13	[8]2688-2P	38°33'18" 119°20'49"	Granite of Desert Creek###	Ap	29.9	147	0.203	0.588	0.707134
J14	S25-9	38°25'37" 119°23'13"	Porphyritic granite of Taylor Valley	Gr	126	577	0.218	0.632	0.70638
J15	S27-9	38°31'15" 119°16'12"	Middle Sister pluton	Gr	136	526	0.259	0.748	0.70632
J16	[8]2689-31	38°31'33" 119°16'33"	Granite of East Fork	Gr	219	349	0.627	1.82	0.708214
K1	S23-9	38°29'21" 119°27'02"	Granite of Rock Creek	Gr	206	198	1.041	3.01	0.70885
K2	[8]3477-78B	38°29'05" 119°23'10"	Granite of Rock Creek	Ap	353**	17.4**	20.3	59.1	0.774686
K3	S55-9	38°28'54" 119°27'38"	China Garden pluton	Grd-Gr	131	259	0.505	1.46	0.70646

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
K4	S22-9	38°28'37" 119°27'13"	West Walker pluton	D-QMd	109	608	0.179	0.519	0.70514
K5	[8]3477-49	38°28'54" 119°26'55"	West Walker pluton	D-QMd	142	520	0.273	0.790	0.705783
K6	[8]3477-92A	38°28'18" 119°26'45"	West Walker pluton###	Ap	136	142	0.958	2.77	0.709467
K7	[8]3477-85A	38°28'14" 119°25'07"	West Walker pluton	D-QMd	85.0	569	0.149	0.432	0.705304
K7	[8]3477-85B	38°28'14" 119°25'07"	West Walker pluton###	Gr-QM	163	353	0.462	1.34	0.707927
K8	[8]3477-97	38°27'39" 119°25'13"	West Walker pluton###	Ap	18.3**	231**	0.0792	0.229	0.706038
K9	S53B-9	38°28'14" 119°27'53"	West Walker septum	Mta	48.2	658	0.0733	0.212	0.704652
K10	S54A-2	38°28'07" 119°27'45"	West Walker septum	Mta	80.5	465	0.173	0.501	0.705139
K10	S54B-9	38°28'07" 119°27'45"	West Walker septum###	Ap-Peg	170	144	1.180	3.42	0.709323
K11	[8]3477-53	38°28'15" 119°27'42"	Granite of Mill Creek	Gr	199	326	0.610	1.77	0.707823
K12	S52-9	38°27'24" 119°27'34"	Granite of Mill Creek	Gr	134	609	0.220	0.637	0.706429
K12	S52A-9	38°27'24" 119°27'34"	Granite of Mill Creek	Gr	163	301	0.542	1.57	0.70760
K12	S52B-9	38°27'24" 119°27'34"	Granite of Mill Creek	Gr	130	595	0.218	0.632	0.706469
K12	S52C-9	38°27'24" 119°27'34"	Granite of Mill Creek	Peg	505**	98.7**	5.12	14.8	0.72330
K13	[8]3477-58	38°26'58" 119°26'25"	Granite of Mill Creek	Ap	258**	60.6**	4.26	12.3	0.720521
K14	[8]7255-95	38°23'15" 119°29'07"	Granite of Mill Creek	Gr	136	589	0.230	0.668	0.706574

K15	S19-9	38°21'57" 119°28'43"	Granite of Sonora Bridge	Gr	144**	17.4**	8.27	24.0	0.73706
K16	CS12A-80	38°21'38" 119°28'32"	Granite of Sonora Bridge	Gr	145	46.0	3.15	9.13	0.71751
K16	CS12B-80	38°21'38" 119°28'32"	Granite of Sonora Bridge	Gr	158	66.7	2.37	6.86	0.71352
K16	CS12C-80	38°21'38" 119°28'32"	Granite of Sonora Bridge	Gr	169	68.7	2.46	7.12	0.71436
K17	CS13-80	38°21'41" 119°28'23"	Granite of Sonora Bridge	Gr	107	39.0	2.74	7.94	0.71542
K18	[8]3477-77	38°28'50" 119°22'56"	Granite of Desert Creek	QM-Gr	248	298	0.832	2.41	0.709888
K19	[8]3477-89	38°27'55" 119°24'19"	Granite of Desert Creek	QM-Gr	204	417	0.489	1.42	0.707711
K20	[8]2689-35	38°29'53" 119°17'12"	Granite of East Fork	Gr	196	399	0.491	1.42	0.707541
K21	[8]7252-43	38°23'52" 119°18'46"	Granite of East Fork	Gr	195	343	0.568	1.65	0.708094
K22	[8]7252-71	38°23'36" 119°17'46"	Granite of East Fork	Gr	206	224	0.919	2.66	0.710183
K23	S79-9	38°22'32" 119°19'17"	Swauger Creek mafic complex (informal)	G-Grd	16.4**	873**	0.0188	0.0543	0.70490
K24	S80-9	38°22'29" 119°19'23"	Swauger Creek mafic complex (informal)	G-Grd	49.3**	685**	0.0720	0.208	0.70492
K24	S80A-9	38°22'29" 119°19'23"	Swauger Creek mafic complex (informal)	G-Grd	57.8	406	0.142	0.412	0.70522
K24	S80B-9	38°22'29" 119°19'23"	Swauger Creek mafic complex (informal)	G-Grd	98.2	295	0.333	0.963	0.70599
K24	S80C-9	38°22'29" 119°19'23"	Swauger Creek mafic complex (informal)	Peg	74.5	110	0.677	1.96	0.70732
K25	S21A-9	38°18'31" 119°19'47"	Swauger Creek mafic complex (informal)	G-Grd	74.5	623	0.120	0.346	0.70526
K25	S21B-9	38°18'31" 119°19'47"	Swauger Creek mafic complex (informal)	G-Grd	61.8	735	0.084	0.243	0.705241
K25	S21D-9	38°18'31" 119°19'47"	Swauger Creek mafic complex (informal)	Ap-Peg	137**	66.2**	2.07	5.98	0.71253
K25	S21C-9	38°18'31" 119°19'47"	Granite of Devils Gate-Mack Canyon-Murphy Creek	Gr	121**	197**	0.613	1.77	0.70739

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
K26	S20-9	38°20'58" 119°22'50"	Granite of Devils Gate-Mack Canyon-Murphy Creek	Gr	163	128	1.273	3.69	0.70950
K27	S75-9	38°22'52" 119°18'50"	Granite of Devils Gate-Mack Canyon-Murphy Creek	Gr	168	69.0	2.44	7.05	0.713683
K28	S76-9	38°23'00" 119°19'07"	Granite of Devils Gate-Mack Canyon-Murphy Creek	Gr	108	78.0	1.385	4.01	0.709924
L1	[9]78K37	38°13'59" 119°25'31"	Unassigned	Gr	186	79.4	2.34	6.78	0.714070
L2	CS14-80	38°14'22" 119°19'15"	Granodiorite of Log Cabin Creek	Grd	106	427	0.248	0.718	0.706324
L3	[9]78K24	38°11'38" 119°22'38"	Granodiorite of Log Cabin Creek	Grd	122	798	0.153	0.442	0.705350
L4	BCP1	38°12'54" 119°19'37"	Granodiorite of Log Cabin Creek	Grd	135	856	0.158	0.456	0.70537
L5	BCN1	38°12'44" 119°19'39"	Granodiorite of Eagle Creek	Grd	161	358	0.450	1.301	0.70636
L6	[9]78K23	38°11'33" 119°26'07"	Granodiorite of Eagle Creek	Grd	114	381	0.299	0.866	0.705889
L7	[9]78K19	38°10'25" 119°25'38"	Granodiorite of Buckeye Creek	Grd	91.6	522	0.175	0.508	0.706753
L8	[9]78K18	38°10'27" 119°25'22"	Granodiorite of Buckeye Creek	Grd	104	458	0.227	0.657	0.706859
L9	[9]78K25	38°11'57" 119°26'12"	Cathedral Peak Granodiorite	Grd	116	550	0.211	0.610	0.706703
L10	CPTL	38°08'43" 119°23'34"	Cathedral Peak Granodiorite	Grd	139	472	0.294	0.852	0.70701
L11	MDGC	38°06'27" 119°16'41"	Granodiorite of Green Creek	Grd	119	381	0.312	0.903	0.70646
L12	[10]KGC170	38°05'35" 119°17'19"	Granodiorite of Green Creek	Hb-Bi	341**	46.0**	7.41	21.5	0.73419
L13	C5-81	38°06'15" 119°17'04"	Unassigned	Gr	139	171	0.813	2.35	0.709865

L14	[10]79SZ75A	38°07'11" 119°18'04"	Unnamed	Mtv	151	629	0.240	0.695	0.70719
L14	[10]79SZ75B	38°07'11" 119°18'04"	Unnamed	Mtv	225**	182**	1.241	3.59	0.71589
L14	[10]79SZ75C	38°07'11" 119°18'04"	Unnamed	Mtv	88.0	436	0.202	0.584	0.70695
L14	[10]79SZ75D	38°07'11" 119°18'04"	Unnamed	Mtv	110	462	0.238	0.689	0.70689
L14	[10]79SZ75E	38°07'11" 119°18'04"	Unnamed	Mtv	58.1	852	0.0682	0.197	0.70584
L15	[10]79SZ76A	38°06'29" 119°18'39"	Unnamed	Mtv	122	174	0.701	2.03	0.71158
L15	[10]79SZ76B	38°06'29" 119°18'39"	Unnamed	Mtv	210	300	0.700	2.03	0.71186
L15	[10]79SZ76C	38°06'29" 119°18'39"	Unnamed	Mtv	174	175	0.994	2.88	0.71322
L16	[10]79SZ77E	38°06'14" 119°21'35"	Unnamed	Mtv	228**	230**	0.991	2.87	0.71240
L16	[10]79SZ77H	38°06'14" 119°21'35"	Unnamed	Mtv	154**	253**	0.609	1.76	0.71015
L16	[10]79SZ77I	38°06'14" 119°21'35"	Unnamed	Mtv	211	228	0.925	2.68	0.71108
L16	[10]79SZ77J	38°06'14" 119°21'35"	Unnamed	Mtv	239	54.5	4.39	12.7	0.72187
L16	[10]79SZ77K	38°06'14" 119°21'35"	Unnamed	Mtv	143	177	0.808	2.34	0.71040
L17	[10]79SZ83A	38°03'59" 119°20'03"	Unnamed	Mtv	91.7	305	0.301	0.870	0.70800
L17	[10]79SZ83B	38°03'59" 119°20'03"	Unnamed	Mtv	165	311	0.531	1.54	0.70877
L18	[10]79SZ84	38°04'04" 119°19'56"	Unnamed	Mtv	176	239	0.736	2.13	0.71134
L19	[10]79SZ85	38°04'09" 119°19'52"	Unnamed	Mtv	88.6	8.0	11.1	32.2	0.74460
L20	[10]79SZ81A	38°03'09" 119°19'16"	Unnamed	Mtv	114	273	0.418	1.21	0.70877
L20	[10]79SZ81B	38°03'09" 119°19'16"	Unnamed	Mtv	62.9	813	0.0774	0.224	0.70659

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
L21	^{10}79SZ82A	38°02'31" 119°17'23"	Unnamed	Mtv	2.94**	448**	0.0066	0.019	0.70652
L21	^{10}79SZ82B	38°02'31" 119°17'23"	Unnamed	Mtv	40.6	434	0.0935	0.271	0.70670
L22	^{10}275A2	38°02'58" 119°16'36"	Unnamed	Mtv	145**	262	0.553	1.602	0.71073
L22	^{10}275A3	38°02'58" 119°16'36"	Unnamed	Mtv	148	222	0.667	1.93	0.71081
L22	^{10}275A4	38°02'58" 119°16'36"	Unnamed	Mtv	159	436	0.365	1.06	0.70910
L22	^{10}275B2	38°02'58" 119°16'36"	Unnamed	Mtv	147	259	0.568	1.64	0.70991
L22	^{10}275C1	38°02'58" 119°16'36"	Unnamed	Mtv	109	660	0.165	0.478	0.70655
L22	^{10}275C2	38°02'58" 119°16'36"	Unnamed	Mtv	71.1	800	0.0889	0.257	0.70626
L22	^{10}275C3	38°02'58" 119°16'36"	Unnamed	Mtv	234	70.9	3.30	9.56	0.72324
M1	^{7}Y-785	38°58'29" 119°14'57"	Yerington batholith	QMd	77.9	1208	0.0645	0.186	0.704504
M2	^{7}Y-751	38°57'49" 119°13'53"	Yerington batholith	G	30.5	941	0.0324	0.094	0.704256
M3	^{7}Y-767	38°57'34" 119°14'05"	Yerington batholith	QMd	97.1	1268	0.0766	0.222	0.704912
M4	^{7}Y-781	38°58'26" 119°13'51"	Yerington batholith	QM Por	87.5	987	0.0887	0.256	0.704591
M5	^{7}Y-753	38°58'13" 119°13'44"	Yerington batholith	Porph QM	118	1007	0.117	0.339	0.704803
M6	^{7}Y-593	38°57'24" 119°14'30"	Yerington batholith	Le-QM	174	634	0.274	0.794	0.705916
M7	^{7}Y-478A	38°57'37" 119°14'09"	Yerington batholith###	Ap-Peg	158	97	1.63	4.72	0.714153

M8	NS5-80	38°49'26" 119°12'11"	Quartz monzonite of Mt. Siegel##	QD-Gr	165	385	0.429	1.24	0.70666
M9	NS6-80	38°52'43" 119°07'02"	Biotite quartz monzonite of Strosnider Ranch##	Grd	115	249	0.462	1.34	0.70834
M10	NS7-80	38°50'17" 119°04'13"	Biotite quartz monzonite of Strosnider Ranch##	Grd	172	403	0.427	1.23	0.70673
N1	NS11-80	38°41'24" 119°00'48"	Ivy Ranch pluton	Gr	135	307	0.440	1.27	0.70602
N2	N10-81	38°40'19" 119°14'16"	Porphyritic granodiorite of Nye Canyon	Grd-Gr	107	735	0.146	0.422	0.705945
N3	N9-81	38°36'56" 119°10'21"	Porphyritic granodiorite of Nye Canyon	Grd-Gr	147	598	0.246	0.712	0.706404
N4	N7-81	38°34'22" 119°10'08"	Porphyritic granodiorite of Nye Canyon	Grd-Gr	81.0	771	0.105	0.304	0.706048
N4	N7A-81	38°34'22" 119°10'08"	Porphyritic granodiorite of Nye Canyon	Ap	148	119	1.24	3.60	0.709899
N5	S86-2	38°40'44" 119°07'30"	Granodiorite of Lobdell Summit	QD-Gr	102	205	0.498	1.44	0.709420
N5	S86A-2	38°40'44" 119°07'30"	Granodiorite of Lobdell Summit	Ap-Peg	136	93.1	1.46	4.23	0.716168
N6	S87-2	38°40'39" 119°07'30"	Granodiorite of Lobdell Summit	QD-Gr	67.8	272	0.249	0.721	0.707152
N6	S87A-2	38°40'39" 119°07'30"	Granodiorite of Lobdell Summit	Ap	121	49.3	2.45	7.11	0.724579
N7	S88-2	38°40'42" 119°07'37"	Granodiorite of Lobdell Summit	Por Dk###	109	148	0.736	2.13	0.710042
N8	S89-2	38°40'34" 119°07'50"	Granodiorite of Lobdell Summit	QD-Gr	91.7	265	0.346	1.001	0.707909
N8	FLOAT	38°40'34" 119°07'50"	Granodiorite of Lobdell Summit	QD-Gr	116	124	0.935	2.71	0.712557
N9	N8-81	38°35'48" 119°08'01"	Granodiorite of Lobdell Summit	QD-Gr	104	251	0.414	1.20	0.708445
N10	NS9-80	38°30'34" 119°11'14"	Granite of East Fork	Gr	210	347	0.605	1.75	0.70776
O1	S29-9	38°22'11" 119°11'37"	Granite of Devils Gate-Mack Canyon-Murphy Creek	Gr	175	48.4	3.62	10.5	0.71772
O2	S30-9	38°22'01" 119°07'06"	Porphyritic quartz monzonite of Masonic District	Grd-Gr	148	548	0.270	0.781	0.70695

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
P1	C6-81	38°04'47" 119°13'52"	Hornblende diorite of Sinnamon Meadow	D	85.8	804	0.107	0.309	0.705891
P2	CS23-80	38°03'09" 119°14'51"	Unassigned	Gr	273	97.0	2.81	8.16	0.728915
P3	3A-F81	38°02'53" 119°12'34"	Unnamed	Mta	60.7	832	0.0730	0.211	0.705858
P3	3B-F81	38°02'53" 119°12'34"	Unnamed	Mtdac	150	164	0.915	2.65	0.712803
P3	3C-F81	38°02'53" 119°12'34"	Unnamed	Mtr	110	188	0.585	1.69	0.707709
P4	CS18-80	38°01'33" 119°14'40"	Granodiorite of Wheeler Crest	Grd	140	223	0.628	1.82	0.712142
P5	CS19-80	38°01'50" 119°14'19"	Granodiorite of Wheeler Crest	Grd	170	193	0.881	2.55	0.713750
P6	MDLC	38°01'53" 119°13'28"	Granodiorite of Wheeler Crest	Grd	198	223	0.888	2.57	0.71313
P7	S33-9	38°01'59" 119°13'09"	Granodiorite of Wheeler Crest	Grd	195	243	0.802	2.32	0.71241
P7	S33A-9	38°01'59" 119°13'09"	Granodiorite of Wheeler Crest	Ap	258**	56.2**	4.59	13.3	0.74458
P8	S32-9	38°02'06" 119°12'05"	Unassigned	Grd	89.7**	464**	0.193	0.559	0.70705
P8	S32P-9	38°02'06" 119°12'05"	Unassigned	Pl	11.3**	973**	0.0116	0.034	0.70583
P8	S32M-9	38°02'06" 119°12'05"	Unassigned	Hb-Bi	271**	167**	1.623	4.70	0.712936
P8	S32A-9	38°02'06" 119°12'05"	Unassigned###	Ap	120	147	0.816	2.36	0.70887
P9	S31-9	38°02'03" 119°11'06"	Unassigned	Grd	130	554	0.239	0.691	0.70636
P10	[11]742-27	38°05'13" 119°08'35"	Granitic rocks of Rattlesnake Gulch	Grd-Gr	233*	337*	0.691	2.00	0.70805

P10	[11]742-17	38°05'13" 119°08'35"	[18]Rancheria Tuff Breccia	A	35.1*	575*	0.061	0.177	0.7055
P11	CS22-80	38°01'35" 119°13'42"	Unassigned	Grd	123	461	0.267	0.772	0.708337
P12	CS21-80	38°01'19" 119°14'06"	Unassigned	Grd	122	421	0.290	0.839	0.708416
P13	CS20-80	38°00'45" 119°14'37"	Unassigned	Grd	29.1	80.5	0.361	1.04	0.708353
P14	C14A-81	38°04'08" 119°14'37"	Unnamed	Mtr	152	398	0.382	1.106	0.70968
P14	C14B-81	38°04'08" 119°14'37"	Unnamed	Mtr	58.0	178	0.326	0.943	0.70908
Q1	33-65	38°56'17" 118°50'58"	Unnamed	QD	70.5	990	0.071	0.206	0.704624
Q2	34-65	38°51'15" 118°47'36"	Bald Mountain(?) pluton	Gr	257	10.6	24.2	70.6	0.774772
R1	W6-78	38°42'11" 118°48'14"	Granite of Walker Lake	Gr	95.7**	37.3**	2.57	7.43	0.714535
R1	W7-78	38°42'11" 118°48'14"	Granite of Walker Lake###	Ma Dk	72.5	634	0.114	0.331	0.70478
R2	W8-78	38°41'54" 118°48'07"	Granite of Walker Lake	Gr	121	42.7	2.83	8.20	0.71522
R3	W9-78	38°41'47" 118°48'03"	Granite of Walker Lake	Gr	104	62.0	1.68	4.85	0.71098
R4	W20-78	38°41'42" 118°53'42"	Granitic rocks of Butler Mountain	QMd-Gr	168	405	0.415	1.20	0.70662
R5	35-65	38°40'53" 118°46'41"	Granitic rocks of Cottonwood Creek	Grd-Gr	84.9	307	0.277	0.800	0.707142
R6	W2-78	38°38'42" 118°46'47"	Granitic rocks of Cottonwood Creek	Grd-Gr	94.8	300	0.316	0.914	0.70759
R7	W3V-78	38°33'47" 118°46'50"	Unnamed	Mtv	128	158	0.810	2.35	0.71079
R8	W4V-78	38°33'38" 118°47'16"	Unnamed	Mtv	134	358	0.374	1.08	0.70738
R9	W5-78	38°33'14" 118°47'27"	Unnamed	Mtv	115	188	0.612	1.77	0.70914
R10	NS10-80	38°32'43" 118°56'38"	Granodiorite of Lobdell Summit##	QD-Gr	87.2	965	0.090	0.261	0.70467

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
S1	W15-78	38°27'23" 118°46'34"	Granite of Baldwin Canyon	Gr	153	141	1.09	3.14	0.713766
S2	W14-78	38°27'19" 118°46'43"	Granite of Baldwin Canyon	Gr	168	176	0.955	2.77	0.712502
S3	W13-78	38°26'57" 118°45'51"	Unassigned	Gr	115	141	0.816	2.36	0.70751
S4	[12]GR55	38°26'45" 118°45'25"	Unassigned	Gr	118	226	0.522	1.51	0.70601
S5	W12-78	38°26'42" 118°45'15"	Unassigned	Gr	116	244	0.475	1.38	0.70637
S6	31-65	38°25'17" 118°46'00"	Granite of Cory Creek	Gr	110	326	0.337	0.975	0.706492
S7	[12]GR56	38°25'15" 118°46'15"	Granodiorite of Alum Creek	Grd	136	585	0.232	0.673	0.706241
T1	N4-81	38°14'55" 118°52'17"	Unnamed	Peg	258	17.8	14.5	42.2	0.757857
V1	W1-78	38°31'17" 118°40'55"	Granitic rocks of Babbitt	QMd-Gr	261	370	0.705	2.04	0.71038
V2	W22-78	38°40'22" 118°33'50"	Unnamed	QD	123	256	0.480	1.39	0.70833
W1	W10-78	38°26'33" 118°44'56"	Unassigned	Gr	119	252	0.472	1.37	0.70650
W1	W11-78	38°26'33" 118°44'56"	Unassigned	Gr	114	263	0.433	1.25	0.70622
W2	W19-78	38°25'04" 118°40'30"	Granite of Cory Creek	Gr	134	250	0.536	1.55	0.70688
W3	[13]213-4	38°24'50" 118°41'11"	Granite of Cory Creek	Gr	121	306	0.395	1.14	0.706591
W4	[13]143-7	38°24'25" 118°38'03"	Granite of Cory Creek	Gr	157	250	0.628	1.82	0.707484
W5	[13]77-2	38°23'52" 118°36'32"	Granite of Cory Creek	Gr	125	316	0.396	1.15	0.706663

W6	W16-78	38°23'26" 118°36'57"	Granodiorite of Alum Creek	Grd	113	585	0.193	0.559	0.70592
W7	W17-78	38°23'19" 118°37'47"	Granodiorite of Alum Creek	Grd	103	650	0.158	0.458	0.70590
W8	55-65	38°19'26" 118°37'23"	Granodiorite of Alum Creek	Grd	174	487	0.357	1.03	0.706511
W9	W23-78	38°19'39" 118°42'03"	Granite of Powell Mountain	Gr	232	60.5	3.83	11.1	0.72027
W10	W24-78	38°17'25" 118°37'35"	Unnamed	B	74.8	807	0.0927	0.268	0.70598
W11	56-65	38°18'22" 118°30'10"	Granite of Whiskey Flat	Gr	203	315	0.644	1.86	0.707418
X1	60-65	38°12'19" 118°31'06"	Granodiorite of Huntoon Valley	Grd	102	510	0.200	0.578	0.704818
Z1	37-65	38°43'29" 118°27'19"	Quartz monzonite of Gillis Range	Grd	116	284	0.408	1.18	0.706044
Z2	38-65	38°39'32" 118°21'19"	Unnamed	Gr	311	28.4	11.0	31.8	0.755688
Z3	16GH-21	38°30'27" 118°28'04"	Quartz monzonite of Garfield Hills	Gr	202	293	0.689	1.99	0.707374
AA1	16GH-6	38°29'40" 118°26'35"	Quartz monzonite of Garfield Hills	Gr	192	294	0.653	1.89	0.707151
AA2	16GH-7	38°29'38" 118°26'41"	Quartz monzonite of Garfield Hills	Gr	217	425	0.511	1.47	0.706396
AA3	16GH-44	38°29'37" 118°26'36"	Quartz monzonite of Garfield Hills	Gr	215	356	0.604	1.75	0.707037
AA4	16GH-43	38°29'35" 118°26'46"	Quartz monzonite of Garfield Hills	Gr	235	303	0.776	2.24	0.707603
AA5	16GH-10C	38°29'33" 118°26'42"	Quartz monzonite of Garfield Hills	Gr	169	360	0.469	1.36	0.706467
AA6	16GH-41	38°29'31" 118°26'33"	Quartz monzonite of Garfield Hills	Gr	176	456	0.386	1.12	0.705902
AA7	16GH-42	38°29'31" 118°26'31"	Quartz monzonite of Garfield Hills	Gr	176	472	0.373	1.08	0.705797
AA8	16GH-11	38°29'30" 118°26'45"	Quartz monzonite of Garfield Hills	Gr	112	623	0.180	0.520	0.705027
AA9	57-65	38°16'53" 118°28'51"	Granodiorite of Huntoon Valley	Grd	122	515	0.237	0.686	0.704905

Map number (sheet 2)	Field number	Latitude Longitude	Unit name	Rock type	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$
AA10	[14]EXC68	--- ---	[19]Black Dyke Formation##	Mtv	64*	499*	0.128	0.371	0.70587
AA11	[14]Acme Tank	38°29'24" 118°19'18"	Dunlap Formation	Ash-flow tuff	93.0	107	0.869	2.52	0.711234
AA12	[14]Ashby	38°26'30" 118°23'06"	Dunlap Formation	Ma pillow breccia	49.7	665	0.0747	0.216	0.705582
BB1	[14]RCS11-18	38°14'24" 118°15'39"	Unnamed	Grd	119	717	0.166	0.480	0.70606
CC1	N3-81	38°55'44" 118°10'40"	Unnamed	QMd-Gr	86.3	792	0.109	0.315	0.704850
DD1	40-65	38°36'51" 118°12'22"	Unnamed	Gr	243	22.5	10.8	31.4	0.742266
DD2	[14]Sunrise Flat	38°30'06" 118°04'30"	Dunlap Formation##	A	33.1	1031	0.0321	0.0929	0.705822
EE1	44-65	38°25'28" 118°11'24"	Unnamed	Gr	189	309	0.612	1.77	0.707235
EE2	[12]Gr53	38°24'04" 118°14'00"	Unnamed	Gr	279*	26*	10.7	31.4	0.81146
EE3	[12]Gr54	38°24'32" 118°13'52"	Unnamed	Gr	230*	34*	6.76	19.7	0.780309
EE4	[15]127-2	38°19'57" 118°12'11"	Metavolcanic complex of Excelsior Mountains	Mtv	257	176	1.46	4.23	0.71061
EE4	[15]127-2B	38°19'57" 118°12'11"	Metavolcanic complex of Excelsior Mountains	Mtv	225	235	0.957	2.77	0.70810
EE5	[15]127-16D	38°19'45" 118°10'55"	Metavolcanic complex of Excelsior Mountains	Mtv	175	149	1.18	3.40	0.70910
EE6	[15]127-16E	38°19'45" 118°10'50"	Metavolcanic complex of Excelsior Mountains	Mtv	158	413	0.383	1.11	0.70601
EE7	[15]127-16G	38°19'44" 118°10'46"	Metavolcanic complex of Excelsior Mountains	Mtv	197	396	0.497	1.44	0.70635
EE8	[15]127-16H	38°19'44" 118°10'42"	Metavolcanic complex of Excelsior Mountains	Mtv	191	308	0.621	1.80	0.70657

EE9	[15]12779-16C	38°20'03" 118°01'42"	Metavolcanic complex of Pilot Mountains	Mtv	88.5	416	0.213	0.616	0.70517
EE10	[15]12779-16B	38°20'00" 118°01'49"	Metavolcanic complex of Pilot Mountains	Mtv	120	338	0.355	1.03	0.70605
EE11	[15]12779-16	38°19'58" 118°01'56"	Metavolcanic complex of Pilot Mountains	Mtv	86.4	301	0.287	0.830	0.70567
EE12	[15]221-22	38°19'37" 118°01'22"	Metavolcanic complex of Pilot Mountains	Mtv	83.3	174	0.479	1.39	0.70698
EE13	[15]221-19A	38°19'29" 118°01'40"	Metavolcanic complex of Pilot Mountains	Mtv	76.3	157	0.487	1.41	0.70662
EE14	[14]EXC-69	--- ---	[19]Black Dyke Formation	Mtv	41*	44.1*	0.293	0.267	0.70665
EE15	[14]141-57	--- ---	[19]Mina Formation	A pebble	57*	515*	0.111	0.320	0.70524
FF1	[14]RCS11C-78	38°00'51" 118°08'33"	Unnamed	GR	402	79.1	5.08	14.7	0.723756

[1]Masi, U., O'Neil, J. R., and Kistler, R. W., 1981, Stable isotope systematics in Mesozoic granites of central and northern California and southwestern Oregon: Contributions to Mineralogy and Petrology, v. 76, p. 116-126.

[2]D. A. John

[3]Kistler, R. W., and Peterman, Z. E., 1973, Variations in Sr, Rb, K, Na, and initial $^{87}Sr/^{86}Sr$ in Mesozoic granitic rocks and intruded wall rocks in central California: Geological Society of America Bulletin, v. 84, p. 3489-3512.

[4]N. K. Huber

[5]M. M. Clark

[6]C. Wahrhaftig

[7]J. H. Dilles

[8]G. F. Brem

[9]W. J. Keith

[10]J. F. Seitz

[11]Collected by Y. T. Al-Rawi, Sr isotopic analysis by Z. E. Peterman

[12]D. E. Lee

[13]D. C. Johannesen

[14]R. C. Speed

[15]Speed, R. C., and Kistler, R. W., 1980, Cretaceous volcanism, Excelsior Mountains, Nevada: Geological Society of America Bulletin, Part 1, v. 91, p. 392-298.

[16]R. L. Rose

[17]Parker, R. B., 1961, Petrology and structural geometry of pre-granitic rocks in the Sierra Nevada, Alpine County, California: Geological Society of America Bulletin, v. 72, p. 1789-1806.

[18]Chesterman, C. W., 1968, Volcanic geology of the Bodie Hills, Mono County, California, in Coats, R. R., Hay, R. L., and Anderson, C. A., eds., Studies in volcanology: Geological Society of America Memoir 116, p. 45-68.

[19]Speed, R. C., 1977, Excelsior Formation, west-central Nevada: stratigraphic appraisal, new divisions, and paleogeographic interpretations, in Stewart,J. H., Stevens, C. H., and Fritsche, A. E., eds., Paleozoic paleogeography of the western United States: Society of Economic Paleontologists and Mineralogists, Pacific Section, Pacific Coast Paleogeography Symposium 1, p. 325-336.