Table 2.1a: Summary of $^{40}Ar/^{39}Ar$ apparent ages

Sample	Unit	Longitude Latitude	Description	Min-eral	Plateau or preferred age (Ma ± 2s)	MS WD	% ^{39}Ar in plateau
O/C-376	HMB diorite	123°56'28" 42°41'31"	hbl qtz diorite	hbl	157.2 ± 2.0	1.96	91.1
O/C-373b	metagabbro	123°54'39" 42°42'05"	hbl gabbro	hbl	171.4 ± 3.1†		
1st run					166.5 ± 5.3	0.64	100.0
2nd run					174.0 ± 3.9	3.33	100.0
GDH-5a	MM volcanics	123°54'18" 42°45'36"	hbl plag dacite	hbl	152.9 ± 1.8	2.09	84.1
GH-97-20	metagabbro	123°54'42" 42°42'11"	musc gar tonalite	musc	147.99 ± 0.32	4.03	97.4
O/C-372b	metagabbro	123°54'38" 42°42'01"	musc gar tonalite	musc	148.52 ± 0.17	1.57	98.2

The $^{40}Ar/^{39}Ar$ ages were determined at the New Mexico Geochronology Research Laboratory by Matthew Heizler (see appendix B for analytical and age calculation methods and age spectrum diagrams).

HMB Half Moon Bar
MM Mule Mountain
MSWD mean sum weighted deviates
† weighted mean of O/C-373b runs

Table 2.1b: Summary of U/Pb zircon ages

Sample	Unit	Longitude / Latitude	Description	Age
SC-1	Sheeted dike compl.	123°53'57" / 42°41'53"	anorthosite	163 ± 1 Ma
SC-2	metatonalite unit	123°54'37" / 42°41'49"	trondhjemite	164 ± 1 Ma
SC-11	HMB diorite	123°56'32" / 42°41'38"	hbl leucogabbro	160 ± 1 Ma
SC-12	HMB diorite	123°56'22" / 42°40'48"	trondhjemite	159 ± 1 Ma
SC-13	HMB diorite	123°57'30" / 42°40'39"	trondhjemite	159 ± 1 Ma

The U/Pb ages were determined on abraded zircon separates at the California Institute of Technology, Pasadena by Jason B Saleeby (written communication, 1999).

Table 2.2: Mineral abbreviations

ab	albite	ep	epidote	ox	oxide (opaque)
ac	actinolite	gar	garnet	plag	plagioclase
an	anorthite	hbl	hornblende	pr	prehnite
ap	apatite	lau	laumontite	pu	pumpellyite
cc	calcite	mt	magnetite	qtz	quartz
chl	chlorite	musc	muscovite	su	sulfide
cpx	clinopyroxene	ol	olivine	ti	titanite (sphene)
cz	clinozoisite	opx	orthopyroxene		