TABLE DR1: FLUID INCLUSION RESULTS

Sample	Composition	T_m CO_2 (°C)	T_m Clathrate (°C)	T_m Ice (°C)	T_h CO_2 (°C)	T_h Final (°C)	Comments
North of 52°N							
Rocky Mountains							
RB 7A	H_2O-CO_2	-57.0 to -57.2			17 to 21	190 to 280	Tete Jaune Cache
RB 7B	H_2O-CO_2	-57.0 to -57.9			6.0 to 7.2	245 to 260	Tete Jaune Cache
RB 252	H_2O-CO_2				8.0 to 12.8	230 to 265D	Tete Jaune Cache
RB 253	H_2O-CO_2	-58.1 to -58.2	7.4 to 7.7		9.0 to 16.1	335	Tete Jaune Cache
RB 254	H_2O-CO_2					232 to 300	Tete Jaune Cache
RB 256	H_2O			-4.5 to -8.0		140 to 232	
RB 257	H_2O			-3.2 to -5.0		256 to 303	
RB 260	H_2O			-3 .0 to -5.0		110 to 180	
RB 889	H_2O			-12.7 to -16.1		145 to 161	
Rocky Mountain Trench							
RB 13	H_2O			-1.2 to -5.0		155 to 170	
RB 14B	H_2O			-4.8 to -7.2		205 to 285	
RB 304	H_2O-CO_2	-57.5 to -57.6			7.7 to 18.9	108 to 163	
RB 311	H_2O			-14.7 to -17.7		168 to 183	
RB 895	H_2O			-5.7 to -12.0		144 to 196	
Proterozoic Units West of the RMT							
RB 895	H_2O			-10.0 to -12		144 to 196	
RB 896	H_2O			-2.4 to -2.7		198 to 206	
RB 897	H_2O-CO_2-CH_4	-59.4 to-60.6	9.8 to 10.0		15.0 to 17.7	227D to 256	
RB 901	H_2O			-3.1 to -4.8		177 to 217	
RB 902	H_2O			-0.8 to -2.2		169 to 190	
RB 903	H_2O			-2.8 to -4.2		173 to 214	
RB 905A	H_2O			-0.4 to -2.6		151 to 184	
C 9	H_2O-CO_2	-57.4 to -57.6	5.5		27.2 to 28.2	209 to 345	
C 15	H_2O-CO_2	-57	7.5 to 8.7		23.9 to 24.3	274 to 290	
C 26	H_2O			-3.5 to -7.0		286 to 329	
Malton Gneiss							
RB 4	H_2O			-1.5 to -5		170 to 210	
RB 244	CO_2	-57.0			25.2 to 25.4		
RB 245	CO_2-CH_4	-56.9 to -58.4			-6.0 to 0.3		
Slide Mtn Terrane							
RB18A	H_2O			-1.7 to -3.0		280 to 310	
RB 18B	H_2O-CO_2		6.3 to 9.9			260 to 305	
RB 23	H_2O			-2.8 to -0.8		170 to 213	
RB 27	H_2O			-1.4 to-2.3		200 to 234	
RB 29	H_2O			-4.3 to -4.8		185 to 190	
Barkerville Terrane							
RB 34	H_2O-CO_2-CH_4	-59.3 to -59.5	7.4 to 8.5			379	
RB 44	H_2O			-4.9 to -5.4		200 to 213	
RB 228	H_2O-CO_2-CH_4	-58.2 to -59.4	7.5 to 8.0		6.6 to 13.7	220 to 240D	
RB 232	H_2O-CO_2-CH_4	-57.1 to -58.4	6.5 to 8.4		4.2 to 25.6		
B 3	H_2O-CO_2	-56.0 to -56.4	8.3 to 9.5		9.0 to 22	263 to 275	
B 10	H_2O-CO_2	-57.0 to -57.2	9.0 to 9.5		17.0 to 28.5	290 to 330D	
C 41A	H_2O-CO_2	-58	9.4		25.8	320	
C 41B	H_2O			-4.3 to -4.6		235 to 243	
C 52	H_2O-CO_2	-57.3 to -57.4	7.0 to 7.2		19.0 to 20.5	275 to 312	
South of 52°N							
Rocky Mountains							
RB 480A	H_2O			-1.3 to -2.8		175 to 186	
RB 480B	H_2O			-6.1 to -12.7		109 to 152	
RB 487	H_2O			-3.2 to -4.5		Single Phase	
RB 489	H_2O			-0.4 to -2.8		Single Phase	
Rocky Mountain Trench							
RB 482	H_2O			-1.8 to -2.1		205 to 295	
Proterozoic Units West of Trench							
RB 457	H_2O			-2.3 to -2.8		134 to 164	
RB 458	H_2O			-1.9 to -2.0		171 to 287	
RB 459	H_2O			-9 to -13		180 to 245	
RB 501	H_2O-CO_2		7.1 to 8.2			299 to 366	
RB 504	H_2O			-5.7 to -6.0		219 to 243	
RB 508	H_2O			-7.1 to -8.8		177 to 319	
Kootenay Arc							
RB 116	H_2O			-11.6 to -16.8		330	

RB 121A	H_2O			-2.8 to -3.7		234 to 271
RB 121B	H_2O-CO_2-CH_4	-56.8 to -58.5	6.9 to 8.7		19.5 to 25.7	301 to 343
RB 123A	H_2O-CO_2	-57.6 to -57.8	5.6 to 8.1		0 to 16.7	245 to 275D
RB 123B	H_2O-CO_2-CH_4	-58.0 to -61.9	3.7 to 5.2		4.0 to 22.4	199 to 230D
RB 124	H_2O-CO_2	-57.4 to -57.6			2.1 to 5.4	178D to 251D
RB 125	H_2O-CO_2-CH_4	-59.9 to -63.9	14.8 to 18.5		-3.1 to 0.8	210D to 257D
VSC 224	H_2O-CO_2	-56.8 to -57.8	7.9 to 9.3		-3.2 to 25.4	155 to 260D
RB 451	H_2O-CO_2-CH_4	-62.9 to -63.8	15 to 15.8		-17.9 to -10.4	250D to 290D
RB 452	H_2O-CO_2-CH_4	-59.9 to -61.7	7.5 to 9.5		4.1 to 7.5	250D to 300D
RB 454	H_2O-CO_2-CH_4	-59.7 to -60.8	5.6 to 9.9			256 to 276
Extensional Complex: Gneisses						
RB 212	H_2O-CO_2-CH_4	-58.4 to -58.9	9.4 to 9.6		24.3 to 25.2	315 to 363
RB 440	H_2O-CO_2	-57.1 to -57.4	7.6 to 7.8		27.4 to 29.6	269 to 308D
RB 444	H_2O-CO_2	-56.1 to -56.8	10.0 to 10.3		16.2 to 24.2	245 to 273D
Extensional Complex: Upper Units						
RB 85	H_2O-CO_2	-57.2 to -57.7	7.6 to 10.0		24.5 to 26.6	231D to 289D
RB 89	H_2O			-6.1 to -8.0		327 to 340
RB 92	H_2O			-1.3 to -2.1		240D to 366
RB 98	H_2O-CO_2		9.5 to 10.0			271 to 360
RB 160	H_2O-CO_2-CH_4	-57.3 to -58.2	5.6 to 8.5		24.5 to 27.6	275
MC 6	H_2O			-1.6 to -2.5		286 to 234
MC 10	H_2O			-5.6		185 to 255
MC 11	H_2O			1.8 to -4.0		242 to 245
MC 12	H_2O-CO_2-CH_4	-57.7 to -58.0	8.8 to 9.2		22.5 to 22.6	272 to 278
Western Flank of Extensional Complex						
RB 424	H_2O			-2 to -3		221 to 261
RB 432	H_2O-CO_2	-56.2 to -57.2	8.6 to 9.3		24.4 to 28.2	255 to 280
RB 435C	H_2O			-0.2 to -0.5		217 to 228
RB 437	H_2O			-0.1 to -1.3		165 to 273
VSC 509	H_2O			-0.5 to -1.5		293 to 308
RB 947	H_2O-CO_2-CH_4	-57.7 to -58.4	8.3 to 9.2		0 to 17.7	232D to 352
RB 948	H_2O-CO_2-CH_4	-57.1 to -59.6	8.9 to 9.4		6.7 to 21.6	219 to 245
RB 949	H_2O			-3.9 to -4.4		283 to 309

Note: Abbreviations: D - decepitation; T_m - Temperature of melting; T_h - Temperature of homogenization

TABLE DR2: STABLE ISOTOPE DATA FOR SAMPLES NORTH OF 52°N

Sample	Rock Type	$\delta^{18}O$(Sil) (‰)†	δD* (‰)†	$\delta^{18}O$(Cb) (‰)†	$\delta^{13}C$ (‰)#	Comments
Rocky Mountains						
RB 5	Schist	9.1				
RB 6	Qtz Vn	12.8	-33			
RB 7A	Qtz Vn	13.5	-58			Tete Jaune Cache
RB 7B	Qtz Vn	12.7	-70			Tete Jaune Cache
RB 251	Qtz Vn	12.7	-130			Tete Jaune Cache
RB 252	Qtz Vn	12.5	-57			Tete Jaune Cache
RB 253	Qtz Vn	12.4				Tete Jaune Cache
RB 254	Qtz Vn	12.7	-74			Tete Jaune Cache
RB 255	Qtz Vn	12.4	-90			
RB 256	Qtz Vn	13.0	-99			
RB 257	Qtz-Cb Vn	18.7	-94	16.2	0.1	
RB 259	Qtz-Cb Vn	18.3	-119	15.6	-1.1	
RB 260	Qtz Vn	13.5	-112			
RB 604	Qtz-Cb Vn		-85	13.6	-7.2	
RB 605	Qtz Vn		-108			
RB 608	Qtz-Cb Vn		-139	14.5	-5.1	
RB 889	Qtz Vn		-155			
Rocky Mountain Trench						
RB 8	Sandstone	12.4				
RB 11	Qtz Vn	10.9	-118			
RB 12	Schist	11.3				
RB 13	Qtz Vn	13.3	-147			
RB 14B	Qtz Vn	13.4				
RB 14C	Qtz-Cb Vn	13.2		10.5	-10.8	
RB 16	Qtz Vn	13.0	-135			
RB 302	Qtz Vn	13.9	-121			
RB 304	Qtz Vn	10.8	-135			
RB 308A	Qtz Vn		-148			
RB 309	Qtz Vn	9.3	-136			
RB 311	Qtz Vn		-132			
RB 313	Qtz-Cb Vn	11.9	-133	13.0	-8.4	
RB 314	Qtz Vn		-156			
RB 315	Qtz Vn	13.2				
RB 893	QtzCb Vn		-142	15.4	-4.5	
Proterozoic Units West of RMT						
RB 241	Cb Vn			-0.4	-0.4	
RB 243	Qtz Vn	13.1				
RB 317	Qtz Vn	15.3	-112			
RB 318	Qtz Vn	15.8	-127			
RB 320	Qtz Vn	17.4	-133			
RB 323	Qtz-Cb Vn	9.1	-146	3.6	-11.2	
RB 326	Qtz Vn	13.4	-146			
RB 327	Qtz Vn	15.1	-158			
RB 609	Marble			19.7	-1.4	
RB 851	Cb Vn			19.4	2.5	
RB 852	Cb Vn		-124	14.1	0.8	
RB 853	Limestone			20.6	1.7	

RB 895	Qtz-Cb Vn		-122		
RB 896	Qtz Vn	15.3	-117		
RB 897	Qtz Vn	14.9	-123		
RB 898	Marble			12.8	-2.7
RB 901	Qtz-Cb Vn		-109	13.4	-6.3
RB 902	Qtz Vn	15.2			
RB 903	Qtz Vn	15.1			
RB 904	Qtz Vn	15.3	-122		
RB 905	Qtz-Cb vn			13.2	-2.4
C 6	Qtz Vn	10.1	-136		
C 7S	Biotite		-131		
C 7S	Muscovite		-87		
C 7S	Chlorite		-122		
C 8	Qtz vn		-83		
C 9	Qtz Vn		-95		
C 10S	Biotite		-108		
C 10S	Muscovite		-66		
C 11	Qz Vn		-160		
C 13S	Biotite		-107		
C 13S	Amphibole		-109		
C 16	Qtz Vn	16.9	-130		
C 18	Qtz vn		-54		
C 19	Qtz Vn		-168		
C 21S	Biotite		-96		
C 21S	Muscovite		-58		
C 25S	Chlorite		-66		
C 25S	Muscovite		-52		
C 26	Qtz Vn	14.7	-89		
<u>Malton Gneiss</u>					
RB 1	Gneiss	5.2			
RB 1S	Amphibole		-115		
RB 2	Gneiss	5.1			
RB 3	Qtz Pod	6.9	-150		
RB 4	Qtz Pod	8.1	-148		
RB 244	Qtz Pod	9.1	-83		
RB 245	Qtz Pod	9.7			
RB 247	Qtz Pod	6.7	-68		
RB 248S	Amphibole		-98		
C1S	Biotite		-131		
C3	Qtz Pod		-133		
C4	Qtz Pod		-113		
<u>Slide Mountain Terrane</u>					
RB 17	Schist	11.5			
RB 18	Qtz Vn	15,2	-153		
RB 19	Basalt	9.2			
RB 21	Basalt	12.4			
RB 22	Basalt	10.8			
RB 23	Qtz Vn	18.8	-132		
RB 24	Cb vn			8.1	-2.3
RB 25	Basalt	13.6			
RB 26	Qtz Vn	18.3			
RB 27	Qtz Vn	17.4	-138		
RB 28	Basalt	12.2			
RB 29	Qtz Vn	17.6			
RB 30	Qtz-Cb Vn	17.7		15.7	-9.8
RB 31	Basalt	14.8			

RB 225	Qtz Vn	14.7	-126			
RB 226	Qtz Vn	22.8	-109			
RB 227	Qtz-Cb Vn	17.2	-127	14.2	-0.9	
RB 237	Qtz Vn	18.1				
RB 238	Qtz Vn	14.8				
RB 239	Qtz-Cb Vn	23.4	-133	29.7	2.3	
RB 240	Cb Vn			-0.1	0.6	
PG 1	Qtz Vn	17.7				
PG 2	Cb Vn			13.7	-10.3	
PG 3	Cb Vn			16.0	-7.5	
PG 11	Qtz Vn	15.5				
PG 13	Qtz Vn		-152			
SM 2	Qtz Vn		-105			
<u>Barkerville Terrane</u>						
RB 36	Schist	10.4				
RB 37	Qtz Vn	13.7				
RB 39	Qtz Vn	14.7				
RB 42	Schist	14.5				
RB 43	Basalt	11.8				
RB 44	Qtz-Cb Vn	15.2	-142	13.5	-11.0	
RB 228	Qtz Vn	13.1	-135			
RB 230	Qtz Vn	14.0	-120			
RB 232	Qtz Vn	12.7	-131			
RB 234	Qtz Vn	13.1	-60			
RB 235	Qtz-Cb Vn	14.7	-143	13.3	-1.5	
B 1S	Chlorite		-80			
B 2	Qtz Vn	14.2	-106			
B 3	Qtz Vn	14.5	-97			
B 5	Qtz Vn		-113			
B 6	Qtz Vn		-132			
B 8	Qtz Vn	13.5	-139			
B 9	Phyllite	15.1				
B 10	Qtz Vn	16.1	-127			
B 14	Qtz Vn		-132			Au Vein
C 30	Chlorite		-96			
C 31	Qtz Vn		-116			
C 33	Qtz Vn		-144			
C 35	Qtz Vn	14.4	-73			
C 40S	Biotite		-92			
C 40S	Chlorite		-80			
C 41	Qtz Vn	12.1	-113			
C 45	Cb Vn			1.1	-1.9	
C 46	Cb Vn		-161	17.4	-3.4	
C 47A	Marble			23.4	-0.8	
C 47B	Marble			24.5	-0.9	
C 48	Limestone			23.	-0.1	
C 49	Cb Vn			17.9	-0.8	
C 50	Qtz Vn	14.5	-43			
C 52	Qtz Vn		-94			
CGQ 2	Qtz Vn		-129			Au Vein
CGQ 4	Qtz Vn		-131			Au Vein
CGQ 5	Phyllite	16.4				
CR 3	Serpent		-179			
CR 5	Qtz-Cb Vn	15.6		14.5	-7.3	Au Vein
CR 6	Qtz-Cb Vn			13.4	-2.1	Au Vein
CR 9	Limestone			14.0	-5.3	
CR 10A	Cb Vn			13.7	-5.7	Au Vein

CR 10B	Limestone			15.1	-2.2	
CR 11	Qtz Vn	16.3	-142			Au Vein
CR 12	Qtz Vn		-134			Au Vein
CR 14	Qtz Vn		-130			Au Vein
CR 20	Qtz Vn	14.6	-141			Au Vein
CR 22	Qtz Vn	15.8	-140			Au Vein
<u>Quesnel Terrane</u>						
RB 236	Qtz Vn	18.8	-130			

Note: Abbreviations: Qtz - quartz, Vn - vein, Cb - carbonate.

[*] In Qtz-Cb veins δD values were obtained from quartz samples

[†]Values relative to SMOW standard

[#]Values relative to PDB standard

TABLE DR3: STABLE ISOTOPE DATE FOR SAMPLES SOUTH OF 52°N

Sample	Rock Type	$\delta^{18}O$(Sil) (‰)†	δD* (‰)†	$\delta^{18}O$(Cb) (‰)†	$\delta^{13}C$ (‰)#	Comments
Rocky Mountains						
RB 463	Qtz-Cb Vn	22.7	-105	19.0	-1.6	
RB 480	Qtz-Cb Vn	17.3	-107	15.7	-1.0	
RB 481	Qtz-Cb Vn	17.0	-110	15.5	-2.2	
RB 487	Qtz-Cb Vn	22.9	-129	19.0	-1.8	
RB 489	Qtz-Cb Vn	22.8		18.7	-0.5	
RB 490	Qtz-Cb Vn		-147	19.5	-0.3	
Rocky Mountain Trench						
RB 482	Qtz-Cb Vn	20.1	-151	16.6	-0.9	
RB 483	Cb Vn			16.4	-0.6	
RB 491	Cb Vn			18.7	-0.6	
RB 492	Qtz Vn	23.1	-141			
Proterozoic Units West of RMT						
RB 110	Qtz Vn	15.5	-118			
RB 112	Qtz Vn	15.4	-68			
RB 113	Cb Vn			12.1	-2.6	
RB 456	Qtz Vn		-140			
RB 457	Qtz-Cb Vn	15.0	-170	6.4	-16.9	
RB 458	Qtz Vn	14.4	-116			
RB 459	Qtz-Cb Vn	13.8	-61	12.7	-14.5	
RB 460	Qtz Vn	12.1	-117			
RB 461	Qtz-Cb Vn	19.4		16.7	-1.2	
RB 462	Qtz-Cb Vn			16.6	-0.2	
RB 501	Qtz Vn	15.7	-135			
RB 502	Cb Vn			16.6	-1.0	
RB 504	Qtz Vn	15.6	-131			
RB 505	Cb Vn			15.6	-1.9	
RB 506	Qtz-Cb Vn	15.1	-152			
RB 507	Qtz Vn	20.5	-163			
RB 509	Cb Vn			17.6	-2.1	
Kootenay Arc						
RB 100	Qtz Vn	17.3	-134			
RB 116	Qtz-Cb Vn	10.6		9.1	-7.3	
RB 117	Qtz Vn	10.4	-95			
RB 118	Gneiss	10.4				
RB 120	Qtz Vn	9.2	-107			
RB 121	Qtz Vn	8.8				
RB 122	Qtz Vn	9.8	-114			
RB 123	Qtz-Cb Vn	14.6	-116			
RB 124	Qtz Vn	14.0				
RB 125	Qtz Vn	14.8	-119			
RB 126	Marble			18.7	-2.7	
RB 127	Cb Vn			-2.9	-6.7	

RB 128	Qtz Vn	-2.3			
RB 129	Monzonite	7.2			
RB 130A	Monzonite	2.6			
RB 130B	Qtz Vn	7.6			
RB 130S	Bt-Amph		-137		
RB 266	Cb Vn			1.2	-1.2
RB 447	Gneiss	3.3			
RB 447S	Amphibole		-119		
RB 448	Gneiss	9.9			
RB 449	Gneiss	9.3			
RB 450	Schist	11.7			
RB 450S	Bt-Amph		-132		
RB 451	Qtz Vn	13.4	-133		
RB 452	Qtz-Cb Vn		-98	10.5	-7.7
RB 454	Qtz-Cb Vn	17.6	-120	14.9	-2.4
<u>Extensional Complex: Gneisses</u>					
RB 74	Gneiss	3.4			
RB 75	Gneiss	0.9			
RB 76	Gneiss	1.4			
RB 76S	Bt-Amph		-127		
RB 77	Gneiss	2.0			
RB 78	Gneiss	-0.7			
RB 79	Gneiss	-4.0			
RB 81	Gneiss	6.5			
RB 93	Marble			16.4	-2.6
RB 102	Granite	3.2			
RB 103	Gneiss	9.1			
RB 104	Gneiss	7.3			
RB 131	Gneiss	3.4			
RB 131S	Amphibole		-151		
RB 132	Granite	8.6			
RB 133	Granite	1.2			
RB 133S	Quartz	8.9			
RB 133S	Feldspar	8.9			
RB 134	Granite	9.0			
RB 137	Gneiss	11.4			
RB 138	Gneiss	9.4			
RB 141	Gneiss	10.1			
RB 142	Gneiss	9.1			
RB 143	Granite	5.6			
RB 144	Gneiss	5.6			
RB 145	Gneiss	9.1			
RB 146	Mafic Dike	3.8			
RB 147	Granite	8.9			
RB 148	Gneiss	9.1			
RB 149	Syenite	3.3			
RB 150	Granite	5.7			
RB 151	Syenite	4.2			
RB 152	Syenite	-1.0			
RB 153	Syenite	6.6			
RB 154	Gneiss	11.0			
RB 155	Gneiss	11.3			
RB 155S	Quartz	10.7			

RB 155S	Feldspar	9.7	
RB 156	Gneiss	4.2	
RB 156S	Quartz	11.1	
RB 169	Granite	7.5	
RB 170A	Granite	7.9	
RB 170B	Qtz vn	12.2	
RB 171	Granite	6.7	
RB 174	Gneiss	7.8	
RB 175	Qtz Vn	9.0	-113
RB 176	Gneiss	7.8	
RB 177	Gneiss	3.0	
RB 178	Gneiss	7.3	
RB 179	Gneiss	6.9	
RB 179S	Quartz	8.6	
RB 179S	Feldspar	7.8	
RB 179S	Amphibole		-145
RB 180	Granite	7.6	
RB 180S	Quartz	8.0	
RB 181	Granite	9.2	
RB 184	Granite	9.2	
RB 184S	Quartz	10.3	
RB 184S	Feldspar	11.6	
RB 185	Gneiss	9.7	
RB 187	Gneiss	9.5	
RB 188	Gneiss	6.1	
RB 189	Gneiss	8.0	
RB 190	Syenite	1.7	
RB 191	Syenite	-1.2	
RB 192	G-diorite	6.5	
RB 193	G-diorite	5.0	
RB 196	G-diorite	7.3	
RB 210	Granite	11.5	
RB 212	Qtz Vn	16.7	-86
RB 214	Granite	4.7	
RB 215	Gneiss	9.3	
RB 216	Gneiss	8.0	
RB 216S	Quartz	9.7	
RB 216S	Feldspar	6.8	
RB 217	Gneiss	3.5	
RB 218	Gneiss	6.4	
RB 219	Gneiss	10.7	
RB 220	Gneiss	10.0	
RB 434	Mylonite	5.2	
RB 438	Gneiss	11.4	
RB 439	Amphibolite	7.6	
RB 439S	Bt-Amph		-169
RB 440	Qtz Vn	11.8	-153
RB 441	Amphibolite	9.9	
RB 441S	Amphibole		-101
RB 442	Schist	13.1	
RB 443	Qtz Pod	16.1	-135
RB 444	Qtz Pod		-122
RB 445	Quartzite	9.6	

Extensional Complex: Upper Units						
RB 84	Qtz Vn	13.6				
RB 85	Qtz Vn	13.4	-147			
RB 88	Schist	9.6				
RB 89	Qtz Vn	12.2				
RB 92	Qtz Vn	13.1	-148			
RB 97	Qtz-Cb Vn	19.2	-127	16.4	-5.7	
RB 98	Qtz Vn	19.2				
RB 99	Qtz-Cb Vn	18.8		13.0	-3.9	
RB 157	Qtz-Cb Vn	16.9	-110	7.7	-6.7	Au Vein
RB 158	Qtz Vn	15.6				Au Vein
RB 159	Qtz Vn	14.8	-109			Au Vein
RB 160	Qtz-Cb Vn	14.6		14.5	-6.7	Au Vein
RB 162	Basalt	7.7				
RB 163	Granite	8.2				
RB 164	Ultramafic	2.7				
RB 165	Marble			13.9	-2.6	
RB 166	Qtz-Cb vn	16.5		12.3	-7.1	
RB 167	Qtz Vn	12.5	-97			
RB 168	Basalt	9.4				
MC 6	Qtz Vn	15.4				Au Vein
MC 10	Qtz Vn	15.1				Au Vein
MC 11	Qtz Vn	16.7				Au Vein
MC 12	Qtz Vn	16.4				Au Vein
Western Flank of Complex						
RB 72	Felsic Vlc	9.9				
RB 73	Felsic Vlc	6.7				
RB 172	Breccia	-2.9				
RB 173	Qtz Vn	-4.5				
RB 221	Qtz Vn	11.4	-130			
RB 222	Schist	9.2				
RB 223	Cb Vn			18.3	7.2	
RB 423	Marble			17.4	-3.3	
RB 424	Qtz Vn		-100			
RB 425	Qtz vn		-88			
RB 426	Qtz-Cb Vn	17.8	-92	14.7	-4.6	
RB 427	Qtz-Cb Vn	20.2	-138	16.5	1.2	
RB 428	Limestone			16.0	-7.4	
RB 430	Qtz vn		-147			
RB 431	Qtz Vn		-128			
RB 432	Qtz-Cb Vn	18.5	-145	14.1	-9.8	
RB 433	Qtz-Cb Vn	5.1		5.2	-12.5	
RB 435	Cb Vn			-0.8	0.7	
RB 436	Qtz-Cb Vn	11.7	-135	3.1	3.1	
RB 437	Qtz-Cb Vn	12.4	-145	4.6	-1.4	
RB 942	Qtz-Cb Vn		-170	12.7	0.1	
RB 943	Qtz-Cb Vn			8.6	-4.9	
RB 944	Cb Vn		-162	18.1	3.7	

Note: Abbreviations: Qtz - quartz, Vn - vein, Cb - carbonate.
* In Qtz-Cb veins δD values were obtained from quartz samples
†Values relative to SMOW standard
#Values relative to PDB standard