MS 304305-103, Table T8. Vein minerals identified by XRD and in thin section, Hole U1309D.

Core, section, interval (cm)	Thin section/ XRD	Minerals (%)														Comments
		Serpentine	Fibrous amphibole	Secondary plagioclase	Chlorite	Talc	Zeolite	Carbonate	Prehnite	Clay	Epidote	Quartz	Sulfide	Green-brown amphibole	Hydrograrnet	
304-U1309D-																
1R-1, 41	75				1							1				
1R-3, 46	78		1		1											
4R-1, 21	80		1													
4R-1, 135	82			1												
4R-2, 108	84													1		
5R-1, 135	86															Zeolite in slide
5R-3, 142	91		1	1												
6R-1, 121	92		1													Slip fiber?
7R-2, 24	96		1													
7R-3, 101	98		1											1		
8R-1, 125	101		1													
9R-1, 71	106		1													
9R-1, 101	107		1													
9R-2, 50	108		1		1											
9R-3, 39	109		1	1										1		
10R-1, 91	132	1	1		1	1		1								
12R-1, 65	113		1													
12R-3, 50	114		1	1												Zircon magmatic vein
13R-1, 68	115		1													
14R-2, 120	120		1													
16R-5, 18	126		1													
16R-5, 48	127		1		1									1		
17R-2, 59	129		1													
22R-2, 48	134		1													
23R-1, 142	142		1				1									
23R-2, 21	148	1			1			1								
23R-2, 89	143	1														
23R-2, 95	146		1	1	1											
25R-1, 26	149		1		1	1										
26R-2, 50	152		1		1											
26R-4, 137	156				1							1				
27R-2, 48	158		1	1								1				
27R-3, 6	159	1			1											
28R-4, 26	161				1											
29R-2, 26	162		1													
29R-2, 133	163					1		1								
31R-1, 16	166		1					1								
31R-1, 114	167	1				1		1								
31R-2, 46	184	1	1		1	1		1								
32R-1, 103	169				1	1										
32R-2, 30	170				1											
36R-1, 76	175		1		1											
36R-3, 89	177		1		1											
37R-1, 20	178		1		1											
37R-2, 30	179		1													
38R-1, 38	180		1		1											
39R-4, 124	183		1													
41R-1, 74	188		1													
41R-2, 45	190		1													
42R-1, 7	191					1		1								
44R-3, 47	195		1													
44R-4, 16	196		1													
45R-3, 20	197		1													
49R-2, 2	204				1											
51R-1, 82	202		1		1											
53R-1, 50	212				1	1										
54R-2, 57	215		1													
54R-3, 55	216				1			1	1							
56R-1, 0	233					1		1					1			
56R-3, 92	219				1				1							
56R-3, 112	220							1								
57R-3, 45	221		1													
60R-2, 32–34	224							1					1			
61R-1, 140–142	225							1	1							
62R-1, 85	226		1													
64R-2, 24	229					1										
64R-2, 42	230					1			1							
66R-1, 120	235		1			1										Tremolite
68R-1, 126	237													1		
69R-2, 128	240	1			1			1								
70R-1, 19	241	1	1													
75R-2, 77	249		1		1			1			1					
77R-3, 61	252				1					1						
305-U1309D-																
80R-1, 39	257	1	1													
80R-1, 53	XRD	1			1					1						
80R-1, 89	XRD	1			1					1						
80R-2, 6	XRD		1					1								
80R-2, 50	XRD							1		1						
80R-2, 122	XRD		1		1											
81R-1, 30	263	1						1								
81R-1, 43	XRD							1		1						
82R-3, 125	267		1													
84R-3, 63	XRD							1				1				
84R-2, 16	XRD		1	1												
85R-2, 111	272		1	1												
86R-1, 52	XRD		1	1												
86R-2, 33	XRD		1	1												
86R-3, 46	XRD		1													
88R-4, 132	281	1	1		1											
88R-5, 5	XRD		1		1	1		1		1						
89R-1, 57	XRD	1	1					1		1						
89R-2, 59	XRD		1					1		1						
89R-2, 130	285		1	1							1					
90R-4, 31	XRD		1					1		1						
91R-1, 121	XRD		1	1	1											
93R-2, 15	294		1		1											
93R-2, 72	XRD	1	1	1		1			1							
93R-2, 123	XRD		1		1			1								
94R-1, 52	XRD		1	1	1											
95R-1, 119	XRD		1							1						Tremolite
96R-1, 52	XRD		1	1												
96R-1, 119	XRD		1							1						Tremolite
96R-2, 23	300		1	1									1			
97R-1, 38	XRD		1		1			1				1				
98R-3, 28	305							1		1			1			
99R-3, 13	306		1	1				1			1					
100R-1, 26	308	1														
100R-1, 48	309	1														
101R-5, 37	XRD			1				1		1						
103R-2, 68	XRD		1		1					1			1			
104R-3, 33	317	1	1		1			1								
107R-2, 96	XRD		1	1	1	1										
109R-4, 6	XRD							1		1						
110R-5, 80	XRD	1						1								
111R-1, 70	325		1					1	1		1					
111R-2, 96	XRD		1													
111R-4, 22	328	1														
114R-3, 7	332		1													
116R-1, 0	XRD		1	1	1											
116R-4, 45	XRD		1					1								Tremolite
117R-1, 17	339		1		1											
117R-4, 79	XRD		1		1	1				1						
118R-3, 39	XRD		1		1				1	1						
119R-1, 11	XRD		1							1						
119R-1, 14	341							1								
119R-4, 40	XRD		1							1						
120R-2, 103	XRD							1		1		1		1		
124R-1, 83	XRD		1		1			1		1						
125R-1, 105	XRD							1		1		1		1		
125R-3, 124	XRD							1		1		1		1		
127R-1, 57	351															
128R-3, 73	355		1	1			1	1								
130R-1, 125	XRD		1	1						1						
130R-2, 13	357		1					1			1					
130R-3, 36	XRD							1				1	1			
131R-2, 41	359		1								1					
133R-2, 50	362		1		1											
134R-2, 122	XRD				1			1					1			
136R-1, 45	365		1													
136R-1, 73	XRD				1	1		1								
136R-1, 82	366	1	1		1	1										
136R-2, 26	XRD	1														
136R-2, 57	367	1	1													
137R-1, 45	368		1													
139R-1, 113	XRD		1		1			1					1			
139R-2, 125	XRD							1		1						
139R-4, 32	373													1		
140R-2, 5	XRD		1	1	1	1										
140R-2, 50	374	1	1			1										
140R-2, 55	XRD		1													
140R-2, 89	XRD								1		1					
140R-4, 111	375	1	1			1										
140R-4, 78	XRD	1						1		1						
140R-4, 109	378	1	1													
140R-4, 115	XRD		1	1	1											
141R-2, 75	379		1					1								
141R-2, 82	XRD		1	1												
143R-2, 58	381													1		In cataclastic zone
143R-2, 110	XRD		1													
146R-1, 6	386		1		1					1						Almost opaque in thin section
147R-1, 124	XRD		1					1								
148R-1, 109	389		1					1								
148R-3, 111	391									1						Almost opaque in thin section
149R-2, 44	394							1								
149R-2, 59	XRD		1		1	1				1						
150R-3, 22	XRD							1								
151R-1, 32	XRD		1		1	1		1								
151R-2, 31	397		1													
152R-1, 11	398		1													
152R-1, 38	399		1													Cataclasite matrix almost opaque in thin section
153R-3, 6	400						1									
154R-1, 54	401		1					1								
157R-1, 112	XRD		1													
157R-2, 125	406		1					1								
158R-1, 59	408		1								1					
160R-1, 131	412		1		1			1								
160R-2, 69	413		1		1		1									
160R-4, 6	415		1		1											
161R-1, 84	416			1			1	1								
161R-2, 19	417		1				1	1								
163R-2, 75	421		1	1			1									
164R-2, 16	XRD									1						
165R-1, 90	424		1	1				1								
165R-2, 143	XRD						1			1						
165R-3, 8	XRD						1			1						
167R-4, 7	430		1													
168R-1, 59	XRD		1	1		1				1						
170R-2, 32	434		1		1											
171R-2, 94	XRD		1							1						
171R-3, 5	436		1													Very fine grained unidentified material
173R-1, 2	441		1		1		1	1								
173R-2, 55	442		1		1											
174R-2, 70	XRD		1			1				1						
174R-4, 51	447		1		1	1										
177R-2, 106	451		1													
177R-3, 46	XRD						1			1						
178R-1, 95	XRD						1									
178R-1, 103	453		1	1			1	1			1					
179R-4, 130	XRD		1													
180R-1, 20	459		1								1					Vein in diabase
181R-1, 54	461		1		1											
181R-4, 92	462		1		1	1								1		
183R-2, 32	465		1											1		
184R-1, 68	XRD		1													Tremolite
184R-3, 50	468		1													
185R-1, 105	469		1		1											
185R-1, 133	470	1	1				1									
185R-1, 135	XRD		1							1						
186R-3, 61	XRD		1		1			1								
187R-1, 35	473		1					1			1					
187R-1, 69	474	1	1					1								
189R-4, 42	480	1	1		1											
191R-1, 54	482		1		1			1								
191R-2, 85	483	1			1		1		1							
192R-1, 9	XRD				1		1			1						
192R-1, 80	485						1		1							
192R-3, 58	486		1		1		1	1	1							
193R-3, 118	488		1													
193R-4, 73	489		1		1	1										
194R-3, 98	491		1		1											
194R-4, 22	492		1				1									
196R-4, 66	497	1						1								
197R-2, 19	498		1			1										
197R-2, 103	502		1													
197R-3, 37	499						1	1								
198R-4, 19	501						1		1							
199R-2, 3	504															Quartz in alteration zone?
201R-1, 48	507		1													
201R-2, 103	508		1				1									
202R-1, 105	510				1		1	1								
202R-2, 12	XRD						1	1	1	1						
204R-3, 92	XRD	1			1	1		1		1		1				
205R-4, 24	518	1			1											
205R-4, 49	519		1												1	
205R-4, 87	520		1													
205R-4, 95	XRD		1													
205R-4, 114	521		1													Unidentified brown stuff
207R-2, 12	523		1		1											
207R-2, 100	524		1			1										
207R-5, 24	XRD	1								1						
207R-6, 11	XRD	1								1						
208R-2, 9	525		1				1	1	1							
208R-2, 17	XRD						1			1						
209R-1, 24	XRD								1							
209R-1, 65	528		1													
209R-2, 132	XRD	1	1							1						
213R-4, 42	XRD					1	1		1	1						
213R-4, 55	536	1						1								
214R-2, 88	538	1	1		1		1									
214R-4, 109	540		1		1											
216R-2, 47	XRD						1		1	1						
216R-2, 40–43	544						1		1							
218R-3, 87	548		1		1		1		1						1	
226R-1, 29	XRD					1	1		1	1						
226R-1, 43	560		1		1		1									
226R-3, 10	561		1		1		1	1	1							
228R-1, 113	XRD	1						1		1						
228R-2, 0	567	1	1		1	1		1					1			
228R-4, 51	XRD							1		1						
229R-1, 82	XRD				1				1							
229R-2, 62	XRD							1		1						
230R-2, 70	569								1							
230R-3, 86	XRD						1	1		1						
231R-1, 108	570	1	1		1		1					1				
231R-2, 55	XRD				1		1	1				1				
233R-1, 35	572	1														
233R-2, 70	575	1	1													
234R-2, 0	576	1	1												1	
234R-2, 3	XRD		1				1									Tremolite
234R-2, 9	577		1												1	
236R-1, 45	580	1														
238R-1, 21	584	1														
239R-1, 101	585		1													
239R-4, 26	586	1						1								
240R-1, 100	XRD							1		1						
240R-1, 51–54	XRD	1					1	1		1						
240R-1, 100–102	XRD							1		1						
241R-1, 76	589	1	1		1											Tremolite
243R-1, 39	591	1	1													
244R-1, 80	593		1		1		1		1						1	
247R-3, 97	598	1	1		1											Tremolite
248R-2, 119	602		1		1									1		
252R-3, 61–63	607		1		1											
253R-1, 6	608				1		1									
253R-3, 36–39	609				1		1								1	
256R-2, 90–92	616	1	1		1			1								
257R-1, 25–28	618	1			1				1							
257R-1, 32–34	619	1	1		1								1			
261R-3, 52–55	623	1	1		1											
261R-2, 67–70	XRD		1		1		1									
270R-2, 70–73	639													1		
276R-2, 45	XRD							1		1						
285R-1, 60	XRD				1		1			1						
286R-1, 135	XRD				1					1						
289R-1, 73	XRD	1	1				1		1	1						
290R-3, 52	XRD	1	1	1			1			1						
291R-2, 103	XRD									1						Weak pattern
291R-3, 100	XRD						1			1						
293R-1, 44	XRD						1			1						Kutnahorite
293R-1, 79	XRD		1		1		1		1							

Note: XRD = X-ray diffraction.