AP-4 (1) Resultu of X-ray Diffractive Analysis (Phase 1)

Sample No.	Locality	Qz	Pl	Kf	Tre	Drav	Mont	Ser/Mont	Chl/Mont	Chl	Ser	Ka	And	Gyp	Alu	Ja	Hem	Cal
C001	Mocha	△					◎n	△	?		△	?	△?			△		
C005	Mocha	○	○				△			△~○	△	?						△
C010	Mocha	○	○	△			△			△~○	△	?						
C011	Mocha	◎	△							△	○	?		△				
C012	Mocha	?	△			△	○											○
C019	Mocha	△	△							○	△			△				
D005	Mocha	○					△			?	△	△		○		△		
A002	Soledad	◎				△				?	△	△						
A006	Soledad	◎	△							△	△							
B003	Soledad	△	○					△			△					△		
B004	Soledad	○	◎				○	△										
B005	Soledad	◎	△				○			?	△	△						
B006	Soledad	○	○		△		△											
C022	Qween Elizabeth-N	◎															△	
C025	Qween Elizabeth-N	◎										○			△			
C029	Qween Elizabeth-N	○~◎						△				△						
C031	Qween Elizabeth-N	◎						△										
C034	Qween Elizabeth-N	◎		?				△										
C036	Qween Elizabeth-N	◎						△										
C040	Qween Elizabeth-N	◎		△			△			△	△							
D010	Qween Elizabeth-N	◎									△						△	
D012	Qween Elizabeth-N	◎						△								△		
D016	Qween Elizabeth-N	◎										?						
D020	Qween Elizabeth-N	◎													○			
D024	Qween Elizabeth-N	○		?						?	△	△						
D029	Qween Elizabeth-N	◎									△~○			△				
D035	Qween Elizabeth-N	◎		△			△	△										
B011	Qween Elizabeth-C	△	△				◎				△							
B012	Qween Elizabeth-C	△	△				○				△							
B016	Qween Elizabeth-C	◎									○							
B017	Qween Elizabeth-C	◎									◎	○						
B021	Qween Elizabeth-C	◎									◎	△						
B022	Qween Elizabeth-C	◎									◎							
A009	Qween Elizabeth-S	△~?	△	△			△	△		△		?						◎
A014	Qween Elizabeth-S	○	◎							△	○	?						
A016	Qween Elizabeth-S	◎	△	△			△			△	○							
A019	Qween Elizabeth-S	◎		○							○					△		
A022	Qween Elizabeth-S	◎									◎					△		
A024	Qween Elizabeth-S	◎	△				△			?	△	△						
A030	Diana	◎	○							○	△							
A033	Diana	◎									○							
B033	Diana	◎	△								△							
B036	Diana	○	○							?	△	△						
B037	Diana	◎								?	△~○	△				△		
B039	Diana	◎								?	◎	△						
C049	Diana	△	○								△							
D041	Diana	○	○	△							△							
A041	La Planada	?	○	△	△					?		△						
A045	La Planada	◎	△								◎							
C069	La Planada	○									○	△						

n: nontronite?

AP-4 (2) Resultu of X-ray Diffractive Analysis (Phase 2)

Sample No	Locality	Qz	Cri	Tri	Pl	Kf	Act-Tre	Epi	Stil	Laum	Mord	Mont	Ser/Mont	Chl/Mont	Chl	Ser	Ka	Pyr	Anh	Gyp	Alu	Ja	Py	Hem	Cal	Hal
F-010	Chacarilla-W	△			◎											△							△			
F-020	Chacarilla-W	◎			○												?									
F-021	Chacarilla-W	△			○											△										
F-024	Chacarilla-W	◎														○~△				△		△				
F-025	Chacarilla-W	◎											△			△				△		△				
E-002	West Queen Elizabeth-N	◎										△				△										
E-004	West Queen Elizabeth-N	◎											△													
E-011	West Queen Elizabeth-N	◎																○								
F-029	West Queen Elizabeth-N	◎														△	?									
F-033	West Queen Elizabeth-N	◎									△	△			?	?	?									
F-037	West Queen Elizabeth-N	◎														△										
F-040	West Queen Elizabeth-N	◎										△	△		△		?									
F-044	West Queen Elizabeth-N	△			○~△							?			△	△	?									
F-048	West Queen Elizabeth-N	◎										△				△						△				
E-014	West Queen Elizabeth-C	◎			△				?							○										
E-018	West Queen Elizabeth-C	◎			△											△						△				
E-023	West Queen Elizabeth-C				◎		△																			
F-051	West Queen Elizabeth-C	◎	?									△			?	△	△									
F-056	West Queen Elizabeth-C	◎										?			△		?									
F-060	West Queen Elizabeth-C	○			△		△																			
F-064	West Queen Elizabeth-C	◎			△											△										
F-067	West Queen Elizabeth-C	◎			△										△	△										
E-030	Tignamar-N	◎			△								△			?	△					△				
E-032	Tignamar-N	◎			○												?					△				
E-034	Tignamar-N	◎			◎											△	△									
F-077	Tignamar-N	◎														○							△			
F-080	Tignamar-N	◎														○										
G-035	Tignamar-N	◎			○											△										
E-037	Tignamar-S	◎				?																				
E-038	Tignamar-S	◎				?																				
E-039	Tignamar-S	◎				?																				
E-041	Tignamar-S	◎				?																				
E-043	Tignamar-S	◎																	?							
E-045	Tignamar-S	◎																			△					
E-047	Tignamar-S															△	△					△				
E-053	Tignamar-S		△									△					△									
E-055	Tignamar-S			△													△				△					
F-084	Tignamar-S	◎	△																							
F-086	Tignamar-S	△	○	△																	△					
F-088	Tignamar-S		○	△																	○					
F-090	Tignamar-S	◎																			○					
F-092	Tignamar-S																△				?					
F-093	Tignamar-S		?														△				△					
G-120	Camarones-QCFW								◎	△		△														

AP-4 (2) Resultu of X-ray Diffractive Analysis (Phase 2)

Sample No	Locality	Qz	Cri	Tri	Pl	Kf	Act-Tre	Epi	Stil	Laum	Mord	Mont	Ser/Mont	Chl/Mont	Chl	Ser	Ka	Pyr	Anh	Gyp	Alu	Ja	Py	Hem	Cal	Hal
E-062	Camarones-QCW	◎														○										
E-063	Camarones-QCW	◎														○										
E-066	Camarones-QCW	◎			◎	△																				
E-076	Camarones-QCW	○~△			○~△										△	△							?			
E-190	Camarones-QCW	◎			△											○							△			
E-199	Camarones-QCW	◎			◎~○	△									△	△										
F-124	Camarones-QCW	◎										○~△				△				△		△				
F-163	Camarones-QCW	○			△										△	△				△			?			
F-173	Camarones-QCW	△			△										△					△						△
F-183	Camarones-QCW	◎			○											△					△					
G-054	Camarones-QCW								◎			△														
G-082	Camarones-QCW	○			△			△				?			△		?									
G-085	Camarones-QCW	◎				△		△							△		?									
G-087	Camarones-QCW	△						△				△								△					○	
G-090	Camarones-QCW				△	△									△		?			△						
G-093	Camarones-QCW	○												△					△	◎						
G-106	Camarones-QCW	△			△							△			△		?								○	
G-109	Camarones-QCW	○			◎									△												
G-113	Camarones-QCW	△								△						△									◎	
G-175	Camarones-QCW	◎	?													△										
G-180	Camarones-QCW	◎														○										
E-118	Camarones-QCC	◎														△										
E-122	Camarones-QCC	◎			△	△										△										
E-130	Camarones-QCC	◎			△	△										△										
F-106	Camarones-QCC	◎			○~△	△						?			△		?			?						
F-108	Camarones-QCC	◎											△			△						△				
F-200	Camarones-QCC	◎			○~△	△									△	△	?									
F-116	Camarones-QCE	◎														○										
E-137	Camarones-QCS	◎						△									◎									
E-138	Camarones-QCS	◎															◎									
E-140	Camarones-QCS	◎															△				△					
E-143	Camarones-QCS	?															◎				△					
E-146	Camarones-QCS	◎				△							△									△				
E-215	Camarones-QCS	◎				△										△										
E-218	Camarones-QCS	◎				△										△						△				
E-221	Camarones-QCS	○														○										
E-228	Camarones-QCS	◎			○										△	△	?									
E-237	Camarones-QCS	◎				△										△										
G-123	Camarones-QCS	◎															○							△		
G-127	Camarones-QCS	◎															△				△					
G-129	Camarones-QCS	◎															◎									
G-136	Camarones-QCS	◎															△									
G-137	Camarones-QCS	◎															△									
G-190	Camarones-QCS	◎			△											△										

AP-4 (2) Resultu of X-ray Diffractive Analysis (Phase 2)

Sample No	Locality	Qz	Cri	Tri	Pl	Kf	Act-Tre	Epi	Stil	Laum	Mord	Mont	Ser/Mont	Chl/Mont	Chl	Ser	Ka	Pyr	Anh	Gyp	Alu	Ja	Py	Hem	Cal	Hal
F-199	Camarones-QCS	◎			◎	△									△	△										
H-104	Camarones-QCS	◎														△	△									
E-155	Camarones-SM	◎～○			◎	?	△					△					△									
F-146	Camarones-SM	○～△			○	△						?			△		?									
F-153	Camarones-SM	◎			○～△	○～△						△														
G-144	Camarones-SM	◎			△							○														
G-146	Camarones-SM	◎			○	○	△																			
G-151	Camarones-SM	◎			◎	△						△				△										
G-156	Camarones-SM	◎			△											△							?			
G-162	Camarones-SM	◎			◎	○						△				△										
G-149	Camarones-SMR		△	△									△													
G-169	Camarones-CR	△	△	△									△													
E-113	Camarones-NW	◎			△	○～△										△										
E-114	Camarones-NW	△															△									△

Abbreviation	
Qz	Quartz
Cri	Cristobalite
Tridy	Tridymite
Pl	Plagioclase
K-fs	K-feldspar
Act-Tre	Actinolite-Tremolite
Epi	Epidote
Stil	Stilbite
Laum	Laumontite
Mord	Mordenite
Mont	Montmorillonite
Ser/Mont	Sericite/Montmorillonite interstratified mineral
Chl/Mont	Chlorite/Montmorillonite interstratified mineral
Chl	Chlorite
Ser	Sericite
Kaol	Kaolinite
Pyrophy	Pyrophyllite
Anhyd	Anhydrite
Gyp	Gypsum
Alu	Alunite
Ja	Jarosite
Py	Pyrite
Hem	Hematite
Cal	Calcite
Hal	Halite

Amount

2θ = 40-20° (CuKα)

◎	abundant	> 800 cps
○	common	800-400cps
△	small	400 cps >
?		

2θ = 20-2° (CuKα)

◎	abundant	> 700 cps
○	common	700-300cps
△	small	300 cps >
?		

X-ray Diffractive Analysis

Abbreviation

Qz	Quartz
Pl	Plagioclase
Kf	K-feldspar
Tre	Tremolite
Drav	Dravite
Mont	Montmorillonite
Ser/Mont	Sericite/Montmorillonite interstratified mineral
Chl/Mont	Chlorite/Montmorillonite interstratified mineral
Chl	Chlorite
Ser	Sericite
Ka	Kaolinite
And	Andalusite
Gyp	Gypsum
Alu	Alunite
Ja	Jarosite
Hem	Hematite
Cal	Calcite

Amount

$2\theta > 20°$ (CuKa)

◎	abundant	> 800 cps
○	common	800–400cps
△	small	400 cps >
?		

$2\theta < 20°$ (CuKa)

◎	abundant	> 700 cps
○	common	700–300cps
△	small	300 cps >
?		

AP-4(3) Results of X-ray Diffractive Analysis (Phase 3 Surface survey)

Sample No.	Locality	Qz	Opal-CT	Crist	Pl	K-fs	Tre	Clinopt	Stilb	Mont	Ser/Mont	Minn	Chl	Ser	Kaol	And	Gyp	Alun	Ja	Cal	Goe	Py	Amor
S-022	Chusmisa	◎												○					△				
S-023	Chusmisa NE	◎			?	△					△				△								
S-027	Chusmisa	◎			◎					△				△	△								
S-028	Camiña NE														◎								?
S-031	Camiña	◎			○					△							△						
S-033	Camiña	◎			○	△-?								△									
T-011	Pachica	◎			△	△								△			△						
T-012	Pachica	○			△	△				?				?			△		△				
T-014	Pachica	◎			△									△									
T-015b	Pachica	△																		◎	△		
T-027	Chusmisa NE	◎					△								△								
T-028	Chusmisa NE	◎																△					
T-029	Chusmisa NE	◎																					
T-030	Chusmisa NE	△			○					△									△				
T-031	Chusmisa NE	◎																					
T-032	Chusmisa NE	◎																○					
T-033	Chusmisa NE	◎			△										△								
T-035	Chusmisa NE	△																					◎
T-036	Chusmisa NE																	◎					
T-038	Chusmisa NE	○			○					△				△									
T-041	Chusmisa NE	◎													○								
T-043	C.Pumiri		◎-○												△			△					
T-044	C.Pumiri									○-△									△				
T-047	C.Pumiri	△	◎-○												○			△					
T-051	C.Socora	△	○-△		△										△								
T-053	C.Pumiri									○-△					○-△								
T-058	Minimiñe			○											○-△								
T-059	Tignamar NW																	△					○
T-062	Tignamar N	◎												○									
T-070	Putre S	◎												○		?							
T-084	Chapiquiña	○			○					△				△									
T-090	Putre S	◎			○	△								△									
T-093	Putre W	◎			△	△				△				△	△								
K-005	Ujina	◎			△	△								△	△								
K-006	Ujina	◎			△	△								△	△								
K-025	Guavina	◎												△									
K-091	Camiña	○			△	△						?		△			△						
K-101	Tignamar NW	◎								△					△								
K-106	Tignamar SE	◎									△				△								
K-110	Belen	◎												△									
K-124	Putre S	◎			△					△				△	△								
K-136	Putre W (Campanane)	○			◎									△	△					△			
K-142	Putre W (Campanane)	◎												○									

AP-4(3) Results of X-ray Diffractive Analysis (Phase 3 Surface survey)

Sample No.	Locality	Qz	Opal-CT	Crist	Pl	K-fs	Tre	Clinopt	Stilb	Mont	Ser/Mont	Minn	Chl	Ser	Kaol	And	Gyp	Alun	Ja	Cal	Goe	Py	Amor
K-143	Putre W (Campanane)	◎				○								○	△								
K-145	Arica E (Halcones)	◎									△			△	△								
K-146	Arica E (Halcones)	◎				?				△					△								
K-148	Arica E (Halcones)	◎				△								○									
K-155	Putre W (Jamiralla)	◎												◎									
K-156	Putre W (Jamiralla)	◎												◎									
K-201	Cerro Colorado	◎												◎	△			△					
Q-019	Pachica	◎			△					△				△									
Q-025	Chusmisa-E	○			△					△				△	△								
Q-028	Chusmisa-E	○								○-△					○-△								
Q-041	Chusmisa NE	◎			△	◎								△									
Q-054	Chusmisa	◎												△						△			
Q-069	Camiña	△								◎-○				△									
Q-095	Camiña	◎			△					△				△			○-△						
Q-126	Tignamar SE	△	○-△												△			○-△					
Q-137	Putre SE	◎												△									
Q-157	Putre S	◎			○	△								△									
Q-164	Putre W	◎												◎									

Abbreviation

Qz	Quartz
Opal-CT	Opal-CT
Crist	Cristobalite
Pl	Plagioclase
K-fs	K-feldspar
Tre	Tremolite
Clinopt	Clinoptilolite
Stilb	Stilbite
Mont	Montmorillonite
Ser/Mont	Sericite/Montmorillonite interstratified mineral
Minn	Minnesotaite
Chl	Chlorite
Ser	Sericite
Kaol	Kaolinite
And	Andalusite
Gyp	Gypsum
Alun	Alunite
Ja	Jarosite
Cal	Calcite
Goe	Goethite
Py	Pyrite
Amor	Amorphous material

Amount

$2\theta > 20°$ (CuKa)

◎ abundant (> 800 cps)
○ common (800-400 cps)
△ small (400 cps >)
?

$2\theta < 20°$ (CuKa)

◎ abundant (> 700 cps)
○ common (700-300 cps)
△ small (300 cps >)
?

AP-4(4) Results of X-ray Diffractive Analysis (Drilling)

Drilling Name	Sample No.	Qz	Opal-CT	Crist	Pl	K-fs	Tre	Clinopt	Stilb	Mont	Ser/Mont	Minn	Chl	Ser	Kaol	And	Gyp	Alun	Ja	Cal	Goe	Py	Amor
MJC-1	X1-138	◎			○					△				△									
	X1-158	◎			△								○	△									
	X1-226	○			△								○										
	X1-262	△			○-△		△						△										
	X1-272	△			○								○	△									
	X1-292	○			◎								○-△	△									
	X1-320	○			○								○-△	△								△	
	X1-346	○			○	?							○	△									
MJC-5	X5-158	○	○															△					○
MJC-6	X6-124	◎												△					△				
MJC-7	X7-168	◎				?								△	△								
MJC-9	X9-490	△			△			○						△									
	X9-498	△			△	?	?	△						△									
MJC-10	X10-24									○					○								
	X10-60				△				?	○-△												△	
	X10-166	○			△					○					△							△	
	X10-328	△			△					○	△				△								
	X10-366	○			△						△		△										
MJC-11	X11-438	◎												△	△								
	X11-470	◎			△					△				△									
	X11-484	△			○		△			△			△										
	X11-498	○			○					△													
MJC-12	X12-186	△			○		△						△										
	X12-238	○-△			○		△			△				△									
	X12-270	△			○		△						△										
	X12-298	△			○		△						△	△									

Abbreviation

Qz	Quartz
Opal-CT	Opal-CT
Crist	Cristobalite
Pl	Plagioclase
K-fs	K-feldspar
Tre	Tremolite
Clinopt	Clinoptilolite
Stilb	Stilbite
Mont	Montmorillonite
Ser/Mont	Sericite/Montmorillonite interstratified mineral
Minn	Minnesotaite
Chl	Chlorite
Ser	Sericite
Kaol	Kaolinite
And	Andalusite
Gyp	Gypsum
Alun	Alunite
Ja	Jarosite
Cal	Calcite
Goe	Goethite
Py	Pyrite
Amor	Amorphous material

Amount

$2\theta > 20°$ (CuKa)

◎ abundant (> 800 cps)
○ common (800-400 cps)
△ small (400 cps >)
?

$2\theta < 20°$ (CuKa)

◎ abundant (> 700 cps)
○ common (700-300 cps)
△ small (300 cps >)
?

AP-5 (1) Results of Fluid Inclusion Analysis (Phase 1)

Area	Sample No.	Mineral host	Incle.ID	Disappearance Temperature(°C)		NaCl-wt%	Phase
				Bubble (Th°C)	Nacl		
Mocha	C-006	Quartz	1	272	351	42.1	Polyphase and liquid-vapor inclusions, daughter mineral: NaCl, KCl, opaque mineral = almost chalcopyrite
		Quartz	2	362	ND		
		Quartz	3	251	ND		
		Quartz	4	236	266	35.4	
		Quartz	5	240	271	35.7	
		Quartz	6	285	406	47.7	
		Quartz	7	276	404	47.5	
		Quartz	8	314	ND		
		Quartz	9	290	336	40.7	
		Quartz	10	ND	363	43.2	
		Quartz	11	ND	287	36.8	
		Quartz	12	354	408	48.0	
		Quartz	13	327	ND		
		Quartz	14	334	355	42.4	
		Quartz	15	301	378	44.7	
		Quartz	16	372	ND		
		Quartz	17	393	366	43.5	
			Average	307	349	42.3	
Mocha	C-008	Quartz	1	254	261	35.1	Polyphase and liquid-vapor inclusions, daughter mineral: NaCl, opaque mineral
		Quartz	2	260	297	37.5	
		Quartz	3	278	321	39.4	
		Quartz	4	282	320	39.3	
		Quartz	5	282	321	39.4	
		Quartz	6	287	327	39.9	
		Quartz	7	265	316	39.0	
		Quartz	8	284	ND		
		Quartz	9	271	ND		
		Quartz	10	275	331	40.3	
		Quartz	11	283	326	39.8	
		Quartz	12	275	320	39.3	
		Quartz	13	321	345	41.5	
		Quartz	14	335	355	42.4	
		Quartz	15	288	335	40.6	
		Quartz	16	349	364	43.3	
		Quartz	17	351	387	45.7	
		Quartz	18	ND	378	44.7	
			Average	291	332	40.5	
Mocha	C-020	Quartz	1	391	261	35.1	Liquid-vapor inclusion (vapor=80%-vol.) ≫ polyphase inclusion, daughter mineral: NaCl, opaque mineral
		Quartz	2	387	240	33.8	
		Quartz	3	345	315	38.9	
		Quartz	4	415	No NaCl		
		Quartz	5	417	No NaCl		
		Quartz	6	403	No NaCl		
		Quartz	7	401	No NaCl		
		Quartz	8	408	No NaCl		
		Quartz	9	411	No NaCl		
		Quartz	10	416	No NaCl		
			Average	399	272	36.0	
Queen Elizabeth-S	A-028	Quartz	1	426	No NaCl		Vapor-rich inclusion (vapor≧80%-vol.), poor
		Quartz	2	419	No NaCl		
		Quartz	3	423	No NaCl		
		Quartz	4	427	No NaCl		
			Average	424			
La Planada	A-049	Quartz	1	311	345	41.5	Polyphase and liquid-vapor inclusions, daughter mineral: NaCl, opaque mineral
		Quartz	2	323	332	40.3	
		Quartz	3	321	339	41.0	
		Quartz	4	325	ND		
		Quartz	5	335	ND		
		Quartz	6	347	ND		
		Quartz	7	330	345	41.5	
		Quartz	8	310	ND		
		Quartz	9	309	328	40.0	
		Quartz	10	ND	315	38.9	
			Average	323	334	40.5	
La Planada	C-073	Quartz	1	299	372	44.1	Polyphase and liquid-vapor inclusions, daughter mineral: NaCl, opaque mineral
		Quartz	2	343	400	47.1	
		Quartz	3	330	386	45.5	
		Quartz	4	320	285	36.7	
		Quartz	5	319	290	37.0	
		Quartz	6	283	308	38.4	
		Quartz	7	303	292	37.2	
		Quartz	8	299	293	37.2	
			Average	312	328	40.4	

ND : not determined

AP-5 (2) Results of Fluid Inclusion Analysis (phase 2)

Area	Sample No.	Mineral host	Incle.ID	Homogenization T(°C)	Ice melting T(°C)	NaCl-wt%	Phase
Tignamar-N	F-082	Quartz	1	283.1	-0.2	0.35	Liquid-vapor inclusion, boiling, max. ϕ 10 μ m
		Quartz	2	276.4	-0.4	0.70	
		Quartz	3	292.9			
		Quartz	4	270.9	-0.1	0.18	
		Quartz	5	305.6	-0.5	0.87	
		Quartz	6	292.9			
		Quartz	7	283.1	-0.1	0.18	
		Quartz	8	279.7			
		Quartz	9	308.8			
		Quartz	10	300.1			
		Quartz	11	291.4			
		Quartz	12	286.9	-0.1	0.18	
		Quartz	13	284.3			
		Quartz	14	302.8			
		Quartz	15	302.1	-0.1	0.18	
		Quartz	16	296.5			
		Quartz	17	289.2	-0.3	0.53	
		Quartz	18	287.3			
		Quartz	19	282.0			
		Quartz	20	285.6			
		Quartz	21	303.7			
			Average	291	-0.2	0.4	
Camarones-QCFW	G-117	Calcite	1	274.6	-0.3	0.53	Liquid-vapor and vapor-rich inclusions, poor
		Calcite	2	268.3	-0.2	0.35	
		Calcite	3	269.0			
		Calcite	4	272.9			
		Calcite	5	286.0	-0.1	0.18	
		Calcite	6	275.2			
		Calcite	7	274.0			
		Calcite	8	279.8	-0.4	0.70	
		Calcite	9	287.3			
		Calcite	10	309.2			
		Calcite	11	277.5			
		Calcite	12	264.2	-0.7	1.22	
		Calcite	13	301.1			
		Calcite	14	291.8			
		Calcite	15	294.6	-0.2	0.35	
		Calcite	16	288.3	-0.6	1.05	
		Calcite	17	276.2			
		Calcite	18	281.9			
		Calcite	19	283.4			
		Calcite	20	277.8			
		Calcite	21	291.6			
			Average	282	-0.4	0.6	
Camarones-QCW	E-080	Quartz	1	283.8	-0.5	0.87	Liquid-vapor and vapor-rich inclusions
		Quartz	2	270.0	-0.3	0.53	
		Quartz	3	287.5			
		Quartz	4	292.6			
		Quartz	5	288.4	-0.1	0.18	
		Quartz	6	289.6	-0.1	0.18	
		Quartz	7	291.4			
		Quartz	8	287.2	-0.2	0.35	
		Quartz	9	306.0			
		Quartz	10	278.5			
		Quartz	11	305.1			
		Quartz	12	304.7	-0.8	1.39	
		Quartz	13	296.4			
		Quartz	14	297.1			
		Quartz	15	291.3			
		Quartz	16	285.5	-0.4	0.70	
		Quartz	17	303.3			
		Quartz	18	280.2	-0.1	0.18	
		Quartz	19	298.8	-0.2	0.35	
		Quartz	20	307.1			
		Quartz	21	297.2			
			Average	292	-0.3	0.5	
Camarones-QCWC	G-110	Quartz	1	346.9	-0.2	0.35	Liquid-vapor inclusion, max. ϕ 5 μ m
		Quartz	2	348.8	-0.2	0.35	
		Quartz	3	370.6			
		Quartz	4	363.5			
		Quartz	5	370.7	-0.3	0.53	
		Quartz	6	358.4			
		Quartz	7	373.9			
		Quartz	8	352.9	-0.4	0.70	
		Quartz	9	356.7			
		Quartz	10	368.1			
		Quartz	11	362.4	-0.2	0.35	
		Quartz	12	364.0			
		Quartz	13	369.7	-0.7	1.22	
		Quartz	14	361.4			

AP-5 (2) Results of Fluid Inclusion Analysis (phase 2)

Area	Sample No.	Mineral host	Incle.ID	Homogenization T(℃)	Ice melting T(°C)	NaCl-wt%	Phase
		Quartz	15	372.0			
		Quartz	16	376.1			
		Quartz	17	367.0	-0.3	0.53	
		Quartz	18	362.3			
		Quartz	19	357.3			
		Quartz	20	361.4			
		Quartz	21	371.9			
			Average	364	-0.3	0.6	
Camarones-QCC	E-129	Quartz	1	364.7	-0.2	0.35	Vapor-rich and liquid inclusions, max. ϕ 10 μ m
		Quartz	2	368.2			
		Quartz	3	355.3	-0.3	0.53	
		Quartz	4	368.1	-0.2	0.35	
		Quartz	5	363.2			
		Quartz	6	353.8	-1.2	2.06	
		Quartz	7	361.0	-0.2	0.35	
		Quartz	8	363.0			
		Quartz	9	358.6	-0.6	1.05	
		Quartz	10	365.1			
		Quartz	11	356.7			
		Quartz	12	366.3			
		Quartz	13	361.7			
		Quartz	14	364.6			
		Quartz	15	361.9			
		Quartz	16	357.8	-0.1	0.18	
		Quartz	17	366.4			
		Quartz	18	364.2	-0.1	0.18	
		Quartz	19	360.6			
		Quartz	20	365.9			
		Quartz	21	356.2			
			Average	362	-0.4	0.6	
Camarones-QCS	E-220	Quartz	1	233.0	-0.1	0.18	Liquid-vapor and polyphase inclusions, max. ϕ 20 μ m, colorless and opaque daughter minerals
		Quartz	2	240.9	-0.1	0.18	
		Quartz	3	242.7	-0.5	0.87	
		Quartz	4	227.0			
		Quartz	5	230.1			
		Quartz	6	234.8	-0.2	0.35	
		Quartz	7	226.2			
		Quartz	8	234.7	-0.3	0.53	
		Quartz	9	237.6	-0.7	1.22	
		Quartz	10	234.1			
		Quartz	11	244.8			
		Quartz	12	235.1			
		Quartz	13	246.4			
		Quartz	14	238.3	-0.4	0.70	
		Quartz	15	239.3			
		Quartz	16	249.0	-0.1	0.18	
		Quartz	17	242.7	-0.1	0.18	
		Quartz	18	232.0			
		Quartz	19	237.4			
		Quartz	20	239.8			
		Quartz	21	229.9			
			Average	237	-0.3	0.5	
Camarones-QCS	F-134	Quartz	1	266.7			Liquid-vapor inclusion, rare, max. ϕ 10 μ m, too small to measure salinity
		Quartz	2	271.6			
		Quartz	3	258.2			
		Quartz	4	281.4			
		Quartz	5	293.6			
		Quartz	6	286.3			
		Quartz	7	274.3			
		Quartz	8	268.2			
		Quartz	9	279.4			
		Quartz	10	271.0			
		Quartz	11	281.2			
		Quartz	12	268.9			
		Quartz	13	277.0			
		Quartz	14	278.9			
		Quartz	15	282.4			
		Quartz	16	265.9			
		Quartz	17	270.3			
			Average	275			
Camarones-SM	E-170	Quartz	1	308.1	-0.2	0.35	Liquid-vapor inclusion, max. ϕ 50 μ m
		Quartz	2	312.2			
		Quartz	3	293.7	-0.7	1.22	
		Quartz	4	299.2	-0.1	0.18	
		Quartz	5	297.3			
		Quartz	6	310.4			
		Quartz	7	294.5			
		Quartz	8	295.0			
		Quartz	9	289.8			
		Quartz	10	303.3			

AP-5 (2) Results of Fluid Inclusion Analysis (phase 2)

Area	Sample No.	Mineral host	Incle.ID	Homogenization T(℃)	Ice melting T(℃)	NaCl-wt%	Phase
		Quartz	11	299.3	-0.2	0.35	
		Quartz	12	297.0			
		Quartz	13	300.1	-0.1	0.18	
		Quartz	14	312.1	-0.1	0.18	
		Quartz	15	301.0			
		Quartz	16	299.9			
		Quartz	17	291.4	-0.6	1.05	
		Quartz	18	293.5			
		Quartz	19	294.7			
		Quartz	20	292.9	-0.4	0.70	
		Quartz	21	299.2	-0.2	0.35	
			Average	299	-0.3	0.5	
Camarones-SM	F-151	Quartz	1	301.8	-0.2	0.35	Liquid-vapor and vapor-rich inclusions, max. ϕ 10 μ m
		Quartz	2	308.4			
		Quartz	3	311.9	-0.1	0.18	
		Quartz	4	316.4	-0.4	0.70	
		Quartz	5	314.1			
		Quartz	6	304.1			
		Quartz	7	298.8	-0.1	0.18	
		Quartz	8	312.6			
		Quartz	9	307.2	-0.1	0.18	
		Quartz	10	302.9			
		Quartz	11	297.2			
		Quartz	12	302.4	-0.6	1.05	
		Quartz	13	318.4			
		Quartz	14	315.4			
		Quartz	15	304.8			
		Quartz	16	309.2			
		Quartz	17	307.3			
		Quartz	18	304.6	-0.3	0.53	
		Quartz	19	306.6	-0.2	0.35	
		Quartz	20	313.5	-0.2	0.35	
		Quartz	21	300.6			
			Average	308	-0.2	0.4	
Camarones-SM	G-157	Quartz	1	240.6	-0.3	0.53	Liquid-vapor and vapor-rich inclusions, rare
		Quartz	2	230.2	-0.4	0.70	
		Quartz	3	245.7	-0.3	0.53	
		Quartz	4	210.7			
		Quartz	5	215.8			
		Quartz	6	221.0	-1.0	1.73	
		Quartz	7	217.2			
		Quartz	8	224.6			
		Quartz	9	226.9	-0.1	0.18	
		Quartz	10	218.2	-0.4	0.70	
		Quartz	11	236.7			
		Quartz	12	220.3			
		Quartz	13	217.4			
		Quartz	14	230.8			
		Quartz	15	224.0	-0.5	0.87	
		Quartz	16	222.7			
		Quartz	17	225.7			
		Quartz	18	228.4			
		Quartz	19	212.5	-0.4	0.70	
		Quartz	20	235.7			
		Quartz	21	222.0			
			Average	225	-0.4	0.7	
Camarones-NW	E-112	Quartz	1	318.3	-0.8	1.39	Liquid-vapor, vapor phase =40% of inclusion, max. ϕ 10 μ m
		Quartz	2	317.7			
		Quartz	3	318.3			
		Quartz	4	323.1	-0.2	0.35	
		Quartz	5	314.2			
		Quartz	6	317.1			
		Quartz	7	314.2	-0.4	0.70	
		Quartz	8	315.8	-0.5	0.87	
		Quartz	9	316.2			
		Quartz	10	324.3			
		Quartz	11	330.9	-0.1	0.18	
		Quartz	12	333.4			
		Quartz	13	330.1	-0.1	0.18	
		Quartz	14	333.2			
		Quartz	15	333.4	-0.2	0.35	
		Quartz	16	322.5			
		Quartz	17	324.9			
		Quartz	18	328.1			
		Quartz	19	327.1	-0.3	0.53	
		Quartz	20	324.0			
		Quartz	21	325.8			
			Average	323	-0.3	0.6	

AP-5(3) Results of Fluid Inclusion Analysis (Phase 3 Surface survey)

Sample No.	Locality	Mineral host	Inclusion ID	Homogenization Temp. (° C)	Ice melting Temp. (° C)	NaCl dissolution Temp. (° C)	Eq. NaCl (wt%)	Description
T-093	Putre W (Palmanilla)	Quartz	1	257.0				Polyphase and vapor-rich liquid-vapor inclusions. Daughter mineral: NaCl and chalcopyrite. Max. ϕ 20 micron
		Quartz	2	259.6				
		Quartz	3	261.3		330.1	40.6	
		Quartz	4	262.1				
		Quartz	5	267.1		322.1	39.9	
		Quartz	6	265.9		315.1	39.4	
		Quartz	7	271.6				
		Quartz	8	243.5		309.9	38.9	
		Quartz	9	247.1				
		Quartz	10	266.8				
		Quartz	11	258.4				
		Quartz	12	263.9				
		Average		260.4		319.3	39.7	
K-005	Ujina (Collahuasi)	Quartz	1	268.9				Polyphase and liquid-vapor inclusions. Daughter mineral: NaCl, hematite?, and unknown opaque mineral. Max. ϕ 10 micron
		Quartz	2	267.7				
		Quartz	3	260.5				
		Quartz	4	279.2				
		Quartz	5	287.8				
		Quartz	6	294.0				
		Quartz	7	271.9				
		Quartz	8	290.5				
		Quartz	9	284.3				
		Quartz	10	272.6				
		Quartz	11	277.1				
		Quartz	12	283.6				
		Quartz	13			314.2	39.3	
		Quartz	14			358.0	43.2	
		Quartz	15			324.5	40.1	
		Quartz	16			452.1	53.5	
		Average		278.2		362.2	44.0	
K-007	Trinidad	Quartz	1	204.1				Liquid-vapor inclusions. Max. ϕ 10 micron
		Quartz	2	211.9				
		Quartz	3	233.6				
		Quartz	4	234.3				
		Quartz	5	234.3				
		Quartz	6	235.7				
		Quartz	7	236.0				
		Quartz	8		-7.0		10.5	
		Average		227.1				
K-052	Casiri	Quartz	1	222.2				Vapor-rich and liquid-rich liquid-vapor inclusions. Max. ϕ >100 micron
		Quartz	2	237.9				
		Quartz	3	254.2				
		Quartz	4	270.5				
		Quartz	5	271.2				
		Quartz	6	351.5				
		Quartz	7	359.8				
		Quartz	8		-0.3		0.5	
		Quartz	9		-0.2		0.4	
		Quartz	10		-0.2		0.4	
		Quartz	11		-0.2		0.4	
		Average		281.0	-0.2		0.4	

AP-5(3) Results of Fluid Inclusion Analysis (Phase 3 Surface survey)

Sample No.	Locality	Mineral host	Inclusion ID	Homogenization Temp. (° C)	Ice melting Temp. (° C)	NaCl dissolution Temp. (° C)	Eq. NaCl (wt%)	Description
K-139	Putre W (Campanane)	Quartz	1	332.4				Liquid-vapor inclusions. Max. ϕ 50 micron
		Quartz	2	335.9				
		Quartz	3	342.7				
		Quartz	4	346.1				
		Quartz	5	352.7				
		Quartz	6	337.3				
		Quartz	7		-24.3		>23.2	
		Quartz	8		-23.7		>23.2	
		Quartz	9		-24.1		>23.2	
		Quartz	10		-24.7		>23.2	
		Quartz	11		-24.6		>23.2	
		Quartz	12		-24.1		>23.2	
		Average		341.2	-24.3			
K-140	Putre W (Campanane)	Quartz	1	302.1				Polyphase and liquid-vapor inclusions. Daughter mineral: NaCl. Max. ϕ 5 micron
		Quartz	2	310.1				
		Quartz	3	325.3				
		Quartz	4			398.6	47.3	
		Average		312.5				
K-151	Arica E (Halcones)	Quartz	1	124.0				Liquid-vapor inclusions. Max. ϕ <10 micron
		Quartz	2	126.0				
		Quartz	3	160.1				
		Quartz	4	161.7				
		Average		143.0				
K-158	Putre W (Jamiralla)	Quartz	1	350.7				Vapor-rich polyphase inclusions. Daughter mineral: chalcopyrite? and hematite? Max. ϕ 30 micron
		Quartz	2	352.1				
		Quartz	3	352.7				
		Quartz	4	343.8				
		Quartz	5	345.4				
		Quartz	6	349.5				
		Quartz	7		-5.5		8.5	
		Quartz	8		-3.7		6.0	
		Quartz	9		-3.1		5.1	
		Average		349.0	-4.1		6.6	
K-201	Cerro Colorado	Quartz	1	308.5				Polyphase and vapor-rich liquid-vapor inclusions. Daughter mineral: NaCl, KCl, chalcopyrite? and hematite? Max. ϕ 30 micron
		Quartz	2	325.8				
		Quartz	3	334.8				
		Quartz	4	336.6				
		Quartz	5	350.9				
		Quartz	6	390.4				
		Quartz	7			327.6	40.4	
		Quartz	8			337.5	41.3	
		Quartz	9			398.1	47.2	
		Quartz	10			280.9	36.7	
		Quartz	11			346.7	42.1	
		Quartz	12			374.5	44.8	
		Quartz	13			379.2	45.2	
		Average		341.2		349.2	42.5	
Q-006	Copaquiri	Quartz	1	264.1				Liquid-vapor inclusions. Max. ϕ 2 micron
		Quartz	2	272.0				
		Quartz	3	260.5				
		Quartz	4	266.4				
		Quartz	5	270.3				
		Quartz	6	258.9				
		Average		265.4				

AP-5(3) Results of Fluid Inclusion Analysis (Phase 3 Surface survey)

Sample No.	Locality	Mineral host	Inclusion ID	Homogenization Temp. (° C)	Ice melting Temp. (° C)	NaCl dissolution Temp. (° C)	Eq. NaCl (wt%)	Description
Q-164	Putre W (Rosario)	Quartz	1	365.1				Liquid-vapor and minor polyphase inclusions. Daughter mineral: unknown fibriform mineral. Max. ϕ 100 micron
		Quartz	2	365.1				
		Quartz	3	365.1				
		Quartz	4	367.1				
		Quartz	5	367.5				
		Quartz	6	369.2				
		Quartz	7	369.2				
		Quartz	8	369.6				
		Quartz	9		-1.9		3.2	
		Quartz	10		-1.1		1.9	
		Quartz	11		-1.7		2.9	
		Average		367.2	-1.6		2.7	
Q-166	Putre W (Rosario)	Quartz	1	361.6				Polyphase and liquid-vapor inclusions. Daughter mineral: NaCl? Max. ϕ 40 micron
		Quartz	2	361.4				
		Quartz	3	367.6				
		Quartz	4	318.8				
		Quartz	5	324.3				
		Quartz	6	377.8				
		Quartz	7	359.7				
		Quartz	8	363.3				
		Quartz	9	372.2				
		Quartz	10	363.5				
		Quartz	11	385.6				
		Quartz	12	386.2				
		Quartz	13	388.6	-4.9		7.7	
		Quartz	14	388.7	-5.2		8.1	
		Quartz	15	385.3				
		Quartz	16	389.6	-3.2		5.3	
		Quartz	17	387.4				
		Quartz	18	387.9				
		Quartz	19	387.4				
		Quartz	20	390.3	-4.7		7.4	
		Quartz	21	402.1	-4.1		6.6	
		Average		373.8	-4.4		7.0	

AP-6 (1) Results of Ore Assaying (Phase 1)

Locality	Sample No.	Coordinate		Geology	Width (cm)	Au	Ag	Cu	CuSL	Pb	Zn	Mo	S
		N	E			ppb	ppm	%	%	ppm	ppm	ppm	%
Mocha	C-003	7809346	471820	Tgd	120	9	0.4	0.271	0.091	15	67	41	1.700
Mocha	C-009	7809202	471880	K1	Grab	235	6.8	1.626	0.495	31	110	70	0.018
Soledad	A-003	7807749	471709	Qz vein	90	15	0.5	0.006	0.004	20	31	6	0.163
Queen Elizabeth-S	A-010	7803684	504060	Tg	Grab	79	1.5	1.827	1.493	38	97	200	0.338
Queen Elizabeth-S	A-012	7803750	504118	K1	Grab	6	1.2	1.641	1.224	7	134	6	0.003
Queen Elizabeth-S	A-026	7802870	503518	Qz vein	Grab	17	1.6	0.092	0.023	20	24	43	0.329
Queen Elizabeth-S	B-025	7803886	503269	K1	Grab	< 5	1.1	0.586	0.436	14	54	7	0.010
Queen Elizabeth-S	C-038	7803978	503261	K1	Grab	64	79.4	6.283	2.577	57	121	446	1.755
Queen Elizabeth-S	C-039	7803978	503261	K1	Grab	51	14.4	5.232	3.908	25	172	236	0.051
Queen Elizabeth-S	QE-001	7803657	504396	Tg	Grab	< 5	0.7	0.234	0.125	19	99	8	0.020
Queen Elizabeth-S	QE-002	7803670	504211	Tg	Grab	9	2.5	0.058	0.006	19	20	7	0.100
Queen Elizabeth-S	QE-003	7803692	504262	Tg	Grab	7	0.6	1.430	1.345	30	186	32	0.099
Diana	A-031	7792317	494590	Js1	Grab	23	0.4	0.044	0.029	122	32	70	0.199
La Planada	A-040	7769958	492768	Kmc	150	17	1.1	0.090	0.037	9	76	47	0.285
La Planada	C-055	7769887	492765	Tourmaline breccia	Grab	17	0.3	0.140	0.053	6	49	10	2.320
La Planada	C-058	7769887	492765	Tourmaline breccia	Grab	21	1.7	0.202	0.030	7	112	49	5.698
La Planada	C-066	7770201	492974	Tg	200	71	2.5	3.291	2.667	< 2	49	29	0.021
La Planada	C-070	7769856	493416	Tg	Grab	21	0.4	6.221	5.719	4	8	32	0.033
La Planada	C-072	7769856	493416	Tg	Grab	33	3.1	5.709	5.412	8	14	171	0.242
La Planada	C-074	7769856	493416	Tg	Grab	18	0.5	0.046	0.027	2	25	1951	4.832
La Planada	C-075	7770085	493768	Qef	Grab	33	0.5	3.868	3.437	10	65	103	0.051

AP-6 (2) Results of Ore Assaying (Phase 2)

Locality	Sample No.	Coordinate		Geology	Width (cm)	Au ppb	Ag ppm	Cu %	CuSL %	Pb ppm	Zn ppm	Mo ppm	S %
		N	E										
West Queen Elizabeth-SE	F-070	7800708	495609	Qz vein	5	161	4.9	3.599	2.831	31	118	36	0.044
Camarones-QCW	E-060	7905855	435317	Qp	200	< 5	0.3	0.440	0.416	30	78	10	2.515
Camarones-QCW	E-082	7905776	434410	Qz vein	Grab	< 5	0.9	0.043	0.007	4152	1033	4	0.986
Camarones-QCW	E-186	7905889	435315	K	Grab	11	< 0.1	0.023	0.009	20	95	3	4.605
Camarones-QCW	E-189	7905870	435308	Qp	Grab	9	< 0.1	0.010	0.005	30	19	6	1.654
Camarones-QCW	E-191	7905863	435311	Qp	30	12	< 0.1	0.044	0.013	25	39	4	1.244
Camarones-QCW	E-195	7905850	435293	Qp	Grab	11	< 0.1	0.010	0.004	39	34	6	0.630
Camarones-QCW	E-198	7905857	435226	Qp	Grab	< 5	0.7	0.036	0.018	31	47	6	1.053
Camarones-QCW	E-202	7905845	435200	Qp	Grab	< 5	0.5	0.496	0.07	26	19	7	1.235
Camarones-QCW	E-206	7905836	435153	Qp	Grab	< 5	0.6	0.028	0.018	31	28	3	0.298
Camarones-QCW	E-207	7905831	435135	Qp	100	< 5	1.5	0.234	0.206	51	30	4	0.312
Camarones-QCW	E-211	7905806	435129	K	Grab	13	0.5	0.009	0.005	23	152	5	3.331
Camarones-QCW	F-158	7905858	435246	Qp	Grab	6	0.1	0.014	0.009	11	108	3	4.121
Camarones-QCW	F-161	7906889	435529	K	Grab	6	0.3	0.073	0.047	47	156	5	6.254
Camarones-QCW	F-166	7905950	435655	K	Grab	< 5	< 0.1	0.006	0.003	12	58	3	5.409
Camarones-QCW	F-170	7905955	435819	K	Grab	33	1.0	0.448	0.354	238	131	11	6.090
Camarones-QCW	F-171	7905957	435891	K	Grab	< 5	< 0.1	0.009	0.003	21	40	190	5.230
Camarones-QCW	F-175	7905962	435723	K	Grab	19	0.6	0.090	0.03	35	91	4	3.412
Camarones-QCW	F-181	7906820	435420	Qp	Grab	< 5	0.1	0.004	< 0.001	11	8	3	0.993
Camarones-QCW	G-053	7906672	436030	K	Grab	< 5	0.1	0.002	< 0.001	5	58	< 2	1.361
Camarones-QCW	G-086	7905690	435961	K	Grab	< 5	0.1	0.025	0.02	10	78	3	0.078
Camarones-QCW	G-172	7905881	435376	K	Grab	9	0.2	0.017	0.005	16	134	< 2	2.639
Camarones-QCW	G-174	7905881	435376	Qp	Grab	20	0.6	0.080	0.03	17	95	3	4.414
Camarones-QCW	G-179	7905814	435297	Qp	Grab	6	0.4	0.047	0.033	18	54	6	0.725
Camarones-QCW	G-184	7905828	435273	Qp	Grab	< 5	0.3	0.102	0.048	19	15	3	1.747
Camarones-QCC	F-111	7905511	439064	K	Grab	14	1.5	0.763	0.682	40	115	144	0.211
Camarones-QCC	F-193	7905831	438662	Dp	Grab	< 5	< 0.1	0.003	< 0.001	7	23	8	0.538
Camarones-QCC	F-198	7905897	438376	Qd	Grab	< 5	< 0.1	0.005	< 0.001	14	18	7	1.093
Camarones-QCC	F-202	7905885	438330	Qd	Grab	< 5	0.2	0.011	0.004	41	91	6	0.363
Camarones-QCS	E-219	7903525	440060	KT	50	6	0.6	0.003	0.002	18	6	4	0.335
Camarones-QCS	E-225	7902950	440622	KT	Grab	< 5	< 0.1	0.002	< 0.001	15	58	7	1.569
Camarones-QCS	E-229	7902795	440900	Qz vein	20	< 5	< 0.1	0.002	< 0.001	8	6	5	0.042
Camarones-QCS	E-232	7902686	440870	Qz vein	10	< 5	< 0.1	0.004	< 0.001	157	14	4	4.930
Camarones-QCS	E-234	7902599	440819	Qz vein	50	< 5	< 0.1	0.001	< 0.001	9	8	9	0.074
Camarones-QCS	E-235	7902414	441078	Qz vein	Grab	< 5	< 0.1	0.001	< 0.001	27	21	< 2	1.625
Camarones-QCS	G-198	7904493	440355	KT	Grab	< 5	< 0.1	0.001	< 0.001	9	41	< 2	0.766
Camarones-QCS	G-200	7904520	440438	KT	Grab	< 5	0.2	0.002	< 0.001	15	63	4	0.740
Camarones-QCS	G-203	7904596	440540	KT	Grab	< 5	0.1	0.001	< 0.001	5	15	9	0.887
Camarones-SM	E-169	7898143	438649	Qz vein	Grab	< 5	< 0.1	0.002	< 0.001	22	46	7	0.019
Camarones-NW	F-210	7918829	426827	Qd	Grab	< 5	< 0.1	0.006	0.002	20	86	4	0.012
Camarones-NW	F-211	7918820	426881	Qd	Grab	< 5	0.1	0.002	< 0.001	12	11	8	0.012
Camarones-NW	F-213	7918800	426847	Qd	30	< 5	0.2	0.004	< 0.001	40	34	7	0.045
Camarones-NW	F-214	7918868	426775	Qd	20	< 5	< 0.1	0.003	< 0.001	11	16	3	0.022
Camarones-NW	F-216	7918846	426934	Qd	Grab	< 5	0.1	0.009	0.002	14	242	7	0.017

AP-6 (3) Results of Ore Assaying (Phase 3 surface survey)

Locality	Sample No.	Coordinate		Geology	Width (cm)	Au	Ag	Cu	CuSL	Pb	Zn	Mo	S
		N	E			ppb	ppm	%	%	ppm	ppm	ppm	%
Chusmisa	S-020	7831208	478252	Qz-Tou v.	Grab	48	26.5	0.02	0.009	10000	284	8	0.04
Chusmisa NE	S-025	7841737	509503	Qcp	Grab	< 5	<0.1	0.001	<0.001	43	41	<2	0.46
Camiña	S-029	7861804	448102	Kv(i)	Grab	< 5	0.2	0.004	0.001	30	108	5	2.62
Camiña	S-033	7862279	447949	Tgd	Grab	< 5	<0.1	0.001	<0.001	35	11	4	0.68
Camiña	S-035	7862550	447884	Tgd	Grab	< 5	<0.1	0.004	0.001	34	75	<2	5.03
Camiña	Q-077	7867125	459305	Kv(i)	Grab	< 5	2.2	3.929	3.899	16	29	<2	0.02
Camiña	Q-078	7867125	459305	Kv(i)	Grab	< 5	<0.1	0.009	0.003	9	25	<2	0.02
Putre S	Q-158	7972642	443065	Kv(s)	Grab	6	0.4	0.002	0.001	4	47	3	0.44
Putre S	Q-160	7972724	443111	Tgd	Grab	12	3.2	0.004	0.001	62	66	4	1.55
Putre W (Campanane)	Q-164	7981434	428160	Tgd	Grab	45	17.2	3.702	3.689	378	2005	13	0.02
Putre W (Campanane)	K-133	7975781	426630	Qz-tou r.	Grab	56	6.2	3.144	3.085	180	315	14	0.07
Putre W (Campanane)	K-139	7975642	426587	Qz-tou r.	Grab	16	1.8	1.22	1.187	5	22	3	0.03
Putre W (Jamiralla)	K-157	7981042	427199	Qz-tou r.	Grab	10	12.5	4.117	3.921	34	30	28	0.04
Putre W (Jamiralla)	K-158	7981042	427199	Qz-tou r.	Grab	< 5	1.1	3.361	3.129	74	17	18	0.12
Arica E	K-144	7958405	417090	Qz-ox.Cu v.	Grab	902	21.8	4.955	4.879	223	197	73	0.02
Arica E	K-147	7958405	417090	Qz-ox.Cu v.	Grab	795	27.9	1.714	1.509	80	27	18	0.02
Arica E	K-151	7958379	417000	Qz-ox.Cu v.	Grab	6445	102.5	5.895	0.881	2265	55	21	2.85
Choquelimpie	Q-138	7973938	470705	Kv(s)?	Grab	954	17	0.003	0.001	806	21	4	0.71
Choquelimpie	Q-142	7973938	470705	Kv(s)?	Grab	11400	152.6	0.192	0.013	2039	188	3	6.19
Choquelimpie	Q-143	7973938	470705	Kv(s)?	Grab	626	105.2	0.013	0.006	220	34	6	0.11
Choquelimpie	Q-145	7973938	470705	Kv(s)?	Grab	612	45.2	0.004	0.002	282	7	<2	0.89
Poroma	K-021	7803463	482145	Kv(i)	Grab	26	9.9	1.221	0.855	22	152	4	0.27
Mosquito de Oro	T-005	7804337	496482	Kgd	Grab	401	8.8	0.01	0.001	276	6	3	0.26

AP-6 (4) Results of Ore Assaying (Phase 3 drilling) (1)

Sample No. Hole No. Depth (m)	Au (ppb)	Ag (ppm)	Cu (%)	Cu Sol.- (%)	Pb (ppm)	Zn (ppm)	Mo (ppm)	S (%)
MJC-1 136-138	<5	0.7	0.004	<0.001	44	59	8	0.10
MJC-1 138-140	<5	0.4	0.003	<0.001	16	31	6	0.32
MJC-1 140-142	<5	0.2	0.004	0.001	14	37	4	2.11
MJC-1 142-144	<5	0.5	0.002	<0.001	<2	16	4	4.75
MJC-1 144-146	<5	0.1	0.003	<0.001	<2	18	5	4.12
MJC-1 146-148	<5	0.2	0.002	<0.001	<2	18	5	4.98
MJC-1 148-150	<5	0.3	0.001	<0.001	<2	16	6	4.73
MJC-1 150-152	<5	0.3	0.002	0.001	<2	16	5	5.27
MJC-1 152-154	<5	0.1	0.002	<0.001	<2	18	3	4.65
MJC-1 154-156	7	0.2	0.027	0.001	5	69	4	4.38
MJC-1 156-158	9	0.1	0.022	0.001	<2	46	5	3.80
MJC-1 158-160	6	0.2	0.003	<0.001	14	48	6	5.54
MJC-1 160-162	5	0.6	0.005	<0.001	<2	64	6	3.54
MJC-1 162-164	<5	0.7	0.002	<0.001	<2	64	5	4.35
MJC-1 164-166	<5	0.4	0.002	<0.001	5	42	5	5.30
MJC-1 166-168	<5	0.4	0.001	<0.001	<2	45	5	5.19
MJC-1 168-170	<5	0.9	0.001	<0.001	<2	32	6	5.60
MJC-1 170-172	<5	0.4	0.004	<0.001	<2	58	6	3.55
MJC-1 172-174	<5	0.1	0.006	<0.001	<2	56	4	3.08
MJC-1 174-176	<5	0.2	0.001	<0.001	<2	80	12	6.08
MJC-1 176-178	<5	0.3	0.003	<0.001	<2	62	7	4.41
MJC-1 178-180	<5	0.2	0.002	<0.001	<2	75	7	2.35
MJC-1 180-182	<5	0.8	0.002	<0.001	<2	58	5	3.46
MJC-1 182-184	5	0.5	0.002	<0.001	<2	51	6	5.89
MJC-1 184-186	<5	0.3	0.001	<0.001	<2	48	5	5.41
MJC-1 186-188	<5	0.2	0.001	<0.001	<2	63	5	2.43
MJC-1 188-190	<5	0.2	0.001	<0.001	<2	55	5	1.96
MJC-1 190-192	<5	0.6	0.001	0.001	<2	67	6	3.49
MJC-1 192-194	<5	0.3	0.001	<0.001	<2	308	6	4.16
MJC-1 194-196	17	<0.1	0.001	<0.001	<2	79	7	4.04
MJC-1 196-198	<5	0.8	0.001	<0.001	<2	52	7	5.25
MJC-1 198-200	<5	0.3	0.002	<0.001	<2	87	10	4.11
MJC-1 200-202	<5	0.6	0.002	<0.001	5	65	7	4.61
MJC-1 202-204	<5	0.4	0.003	<0.001	21	166	3	4.25
MJC-1 204-206	<5	0.5	0.005	<0.001	15	84	4	3.81
MJC-1 206-208	<5	0.2	0.002	<0.001	5	91	2	2.79
MJC-1 208-210	<5	<0.1	0.002	<0.001	8	54	2	5.64
MJC-1 210-212	<5	0.6	0.003	<0.001	8	81	5	3.30
MJC-1 212-214	9	0.9	0.001	<0.001	17	180	4	4.36
MJC-1 214-216	<5	0.7	0.006	<0.001	8	80	3	4.10
MJC-1 216-218	6	0.6	0.026	0.001	12	100	4	2.49
MJC-1 218-220	<5	0.1	0.002	<0.001	44	275	4	6.24
MJC-1 220-222	<5	<0.1	0.003	<0.001	3	89	2	3.27
MJC-1 222-224	<5	<0.1	0.002	<0.001	9	101	5	2.99
MJC-1 224-226	<5	0.1	0.002	<0.001	9	118	6	4.54
MJC-1 226-228	<5	0.1	0.002	<0.001	4	84	3	2.19
MJC-1 228-230	6	0.3	0.002	<0.001	5	121	3	2.24
MJC-1 230-232	<5	0.2	0.002	<0.001	5	67	3	3.49
MJC-1 232-234	<5	0.7	0.002	<0.001	5	82	5	3.37
MJC-1 234-236	7	0.1	0.001	<0.001	<2	100	4	2.50
MJC-1 236-238	<5	0.2	0.002	<0.001	4	75	3	4.01
MJC-1 238-240	<5	0.4	0.002	<0.001	6	131	4	2.34
MJC-1 240-242	5	0.1	0.004	<0.001	5	66	7	5.18
MJC-1 242-244	<5	0.2	0.003	<0.001	3	77	5	3.56
MJC-1 244-246	<5	0.6	0.003	<0.001	6	70	5	3.84
MJC-1 246-248	<5	<0.1	0.002	<0.001	7	85	6	2.32
MJC-1 248-250	<5	0.3	0.002	<0.001	6	102	7	2.36
MJC-1 250-252	5	0.4	0.002	<0.001	9	125	6	1.87
MJC-1 252-254	<5	0.4	0.002	<0.001	6	111	8	3.18
MJC-1 254-256	5	0.5	0.005	0.001	7	114	6	2.35
MJC-1 256-258	7	0.5	0.008	<0.001	8	74	6	3.52
MJC-1 258-260	<5	0.6	0.006	<0.001	6	99	7	2.06
MJC-1 260-262	<5	0.9	0.006	<0.001	7	94	7	3.86
MJC-1 262-264	<5	0.5	0.006	<0.001	6	109	6	1.53
MJC-1 264-266	<5	0.7	0.002	<0.001	3	73	8	2.80
MJC-1 266-268	14	0.1	0.006	<0.001	3	84	6	3.22
MJC-1 268-270	<5	0.2	0.002	<0.001	6	68	4	4.71
MJC-1 270-272	18	0.1	0.001	<0.001	7	55	5	5.31
MJC-1 272-274	<5	<0.1	0.001	<0.001	9	59	6	4.70
MJC-1 274-276	<5	<0.1	0.001	<0.001	6	46	4	5.97
MJC-1 276-278	6	<0.1	0.001	<0.001	8	47	6	5.21
MJC-1 278-280	<5	0.7	0.001	<0.001	6	57	5	5.02
MJC-1 280-282	<5	0.1	0.001	<0.001	6	56	6	4.97
MJC-1 282-284	<5	0.3	0.001	<0.001	7	62	6	6.39
MJC-1 284-286	7	0.1	0.002	<0.001	11	104	6	3.37
MJC-1 286-288	7	0.7	0.009	0.001	8	83	5	0.86

AP-6 (4) Results of Ore Assaying (Phase 3 drilling) (2)

Sample No. Hole No. Depth (m)	Au (ppb)	Ag (ppm)	Cu (%)	Cu Sol.- (%)	Pb (ppm)	Zn (ppm)	Mo (ppm)	S (%)
MJC-1 288-290	5	<0.1	0.005	<0.001	5	72	9	3.92
MJC-1 290-292	6	0.8	0.006	0.001	13	99	6	4.51
MJC-1 292-294	13	<0.1	0.004	0.001	7	110	5	2.53
MJC-1 294-296	<5	<0.1	0.001	<0.001	6	75	5	4.35
MJC-1 296-298	<5	0.7	0.001	0.001	5	90	6	2.75
MJC-1 298-300	<5	<0.1	0.001	<0.001	5	77	6	3.06
MJC-1 300-302	<5	0.4	0.002	<0.001	6	76	5	4.02
MJC-1 302-304	<5	0.5	0.002	<0.001	7	114	5	1.92
MJC-1 304-306	<5	0.3	0.002	<0.001	5	88	6	1.78
MJC-1 306-308	<5	0.9	0.021	0.001	14	102	4	2.61
MJC-1 308-310	<5	0.1	0.008	<0.001	11	108	5	3.52
MJC-1 310-312	<5	0.5	0.005	<0.001	9	125	5	3.21
MJC-1 312-314	5	0.7	0.013	0.001	9	82	7	5.12
MJC-1 314-316	<5	0.3	0.011	0.001	7	78	7	3.34
MJC-1 316-318	<5	0.4	0.004	<0.001	9	65	5	5.59
MJC-1 318-320	6	0.4	0.016	0.001	10	59	10	5.85
MJC-1 320-322	11	0.7	0.093	0.003	18	65	9	6.32
MJC-1 322-324	<5	0.4	0.015	0.001	9	82	5	4.14
MJC-1 324-326	<5	0.4	0.004	0.001	7	60	7	4.53
MJC-1 326-328	<5	0.8	0.004	0.001	7	76	5	1.70
MJC-1 328-330	<5	0.6	0.010	0.001	7	71	5	2.57
MJC-1 330-332	<5	0.8	0.019	0.001	9	38	6	4.69
MJC-1 332-334	<5	0.5	0.024	0.001	10	44	4	6.64
MJC-1 334-336	<5	0.2	0.015	0.001	12	45	3	6.22
MJC-1 336-338	6	0.5	0.019	0.001	13	49	5	5.82
MJC-1 338-340	<5	0.1	0.003	<0.001	6	50	4	7.11
MJC-1 340-342	<5	0.3	0.002	<0.001	6	42	3	7.95
MJC-1 342-344	<5	0.3	0.016	0.001	8	52	4	5.94
MJC-1 344-346	11	0.1	0.030	0.002	11	58	4	4.71
MJC-1 346-348	5	<0.1	0.016	0.002	9	66	4	3.62
MJC-10 136-138	<5	0.9	0.007	<0.001	18	76	6	9.48
MJC-10 138-140	6	0.8	0.011	0.002	21	96	7	4.67
MJC-11-428-430	7	0.7	0.002	0.001	9	46	4	0.15
MJC-11-430-432	<5	0.2	0.003	<0.001	34	36	6	0.52
MJC-11-432-434	<5	0.2	0.003	0.001	7	36	7	0.08
MJC-11-434-436	<5	0.2	0.002	<0.001	21	29	6	0.10
MJC-11-436-438	<5	0.8	0.001	<0.001	6	38	4	0.05
MJC-11-438-440	<5	0.8	0.002	0.001	14	37	10	0.10
MJC-11-440-442	<5	0.5	0.002	0.001	79	32	6	0.28
MJC-11-442-444	<5	0.5	0.001	<0.001	18	36	6	0.12
MJC-11-444-446	<5	<0.1	0.002	<0.001	29	32	11	0.08
MJC-11-446-448	<5	0.9	0.007	0.003	81	30	5	1.01
MJC-11-448-450	29	3.4	0.004	0.002	129	27	8	0.96
MJC-11-450-452	<5	1.1	0.001	<0.001	34	28	5	0.33
MJC-11-452-454	<5	0.9	0.002	0.001	19	31	7	0.28
MJC-11-454-456	<5	0.9	0.005	0.003	11	49	5	1.11
MJC-11-456-458	<5	0.4	0.003	0.001	14	114	4	1.06
MJC-11-458-460	<5	0.4	0.002	0.001	13	278	4	2.16
MJC-11-460-462	<5	0.2	0.002	0.001	23	117	7	1.61
MJC-11-462-464	<5	0.1	0.001	<0.001	6	93	4	1.76
MJC-11-464-466	<5	0.4	0.002	0.001	3	59	4	2.00
MJC-11-466-468	<5	0.5	0.001	0.001	5	58	3	1.70
MJC-11-468-470	<5	0.6	0.002	0.001	7	61	5	1.68
MJC-11-470-472	<5	0.5	0.001	0.001	4	53	4	2.21
MJC-11-472-474	<5	0.3	0.001	<0.001	10	63	3	1.89
MJC-11-474-476	<5	0.2	0.002	<0.001	4	61	13	1.27
MJC-11-476-478	<5	0.9	0.002	<0.001	5	107	18	2.50
MJC-11-478-480	<5	<0.1	0.003	<0.001	4	58	8	1.34
MJC-11-480-482	<5	<0.1	0.002	<0.001	12	98	11	1.36
MJC-11-482-484	<5	<0.1	0.002	<0.001	10	85	8	1.55
MJC-11-484-486	<5	<0.1	0.002	<0.001	13	90	5	1.87
MJC-11-486-488	9	<0.1	0.004	0.001	57	241	7	2.49
MJC-11-488-490	<5	<0.1	0.005	<0.001	31	178	9	2.32
MJC-11-490-492	<5	0.6	0.002	<0.001	16	92	9	1.99
MJC-11-492-494	<5	<0.1	0.001	0.001	25	98	6	1.87
MJC-11-494-496	<5	<0.1	0.001	<0.001	17	79	4	1.90
MJC-11-496-498	<5	<0.1	0.001	<0.001	18	70	<2	1.96
MJC-11-498-500	<5	<0.1	0.001	0.001	15	88	5	1.68

AP-7 Results of Geochemical Analysis of Rock samples (Drilling) (1)

Sample No. Hole No. Depth (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
MJC-5 158-160	<5	<0.1	7	40	14	3	427	<2	0.025
MJC-5 178-180	<5	<0.1	8	31	11	5	251	<2	0.026
MJC-5 180-182	<5	<0.1	6	30	7	6	86	<2	0.021
MJC-5 182-184	7	<0.1	9	30	9	5	320	<2	0.053
MJC-5 184-186	6	<0.1	7	27	11	4	291	<2	0.013
MJC-6 90- 92	<5	<0.1	8	136	14	10	314	<2	0.025
MJC-6 92- 94	7	<0.1	8	136	13	6	416	<2	0.038
MJC-6 100-102	6	<0.1	14	43	16	9	634	<2	0.035
MJC-6 102-104	7	<0.1	18	83	20	11	537	<2	0.025
MJC-6 124-126	7	<0.1	11	19	17	3	582	<2	0.015
MJC-6 126-128	6	<0.1	19	24	32	6	402	<2	0.057
MJC-6 136-138	6	<0.1	18	20	36	7	242	<2	0.011
MJC-6 138-140	6	<0.1	17	15	37	3	126	<2	0.011
MJC-6 140-142	6	0.7	17	14	38	4	129	<2	<0.01
MJC-6 142-144	6	0.9	16	17	42	4	135	<2	<0.01
MJC-6 144-146	6	0.7	18	17	39	4	96	<2	0.012
MJC-7 78- 80	6	1.2	30	21	70	4	219	<2	0.013
MJC-7 98-100	6	1	19	18	54	5	272	<2	<0.01
MJC-7 132-134	7	0.7	16	204	8	4	20	<2	<0.01
MJC-7 248-250	6	0.4	91	14	124	6	6	<2	0.014
MJC-10 6-8	<5	<0.1	104	3	156	11	22	4	0.590
MJC-10 8-10	<5	<0.1	108	<2	158	8	55	3	0.321
MJC-10 10-12	<5	0.1	87	7	163	9	71	5	0.800
MJC-10 12-14	<5	0.1	183	9	182	8	5	2	0.659
MJC-10 14-16	<5	0.2	237	6	115	7	59	4	0.582
MJC-10 16-18	11	<0.1	189	5	69	7	340	4	0.063
MJC-10 18-20	8	0.4	216	5	165	7	210	<2	0.405
MJC-10 20-22	24	0.2	205	6	210	7	546	3	3.901
MJC-10 22-24	<5	0.2	115	3	48	8	559	3	4.454
MJC-10 24-26	<5	<0.1	168	<2	107	6	33	3	0.252
MJC-10 26-28	16	<0.1	213	5	151	6	19	4	0.613
MJC-10 28-30	27	0.1	185	5	163	5	63	4	0.512
MJC-10 30-32	<5	<0.1	126	6	152	5	131	2	0.754
MJC-10 32-34	105	0.3	92	4	170	4	34	4	0.841
MJC-10 34-36	8	0.1	145	5	172	4	21	2	0.538
MJC-10 36-38	<5	0.4	84	2	127	6	29	5	0.817
MJC-10 38-40	<5	<0.1	66	4	159	7	131	5	3.273
MJC-10 40-42	<5	<0.1	80	2	127	7	26	2	0.867
MJC-10 42-44	<5	<0.1	70	9	102	7	60	4	0.715
MJC-10 44-46	<5	0.1	87	3	72	4	600	<2	1.873
MJC-10 46-48	<5	<0.1	72	2	186	4	42	4	1.092
MJC-10 48-50	14	<0.1	73	3	150	4	15	3	0.258
MJC-10 50-52	<5	<0.1	77	3	153	4	27	<2	0.145
MJC-10 52-54	<5	<0.1	72	9	85	5	67	3	0.191
MJC-10 54-56	10	<0.1	67	3	138	5	158	2	0.186
MJC-10 56-58	<5	<0.1	74	4	63	5	117	2	0.509
MJC-10 58-60	<5	0.3	60	4	72	6	146	<2	0.635
MJC-10 60-62	<5	0.1	58	4	97	5	94	2	0.432
MJC-10 62-64	13	<0.1	69	8	111	4	43	<2	1.813
MJC-10 64-66	<5	<0.1	58	8	89	3	28	4	0.648
MJC-10 66-68	<5	0.1	351	8	64	8	1141	<2	17.972
MJC-10 68-70	30	0.2	64	11	22	6	808	3	1.395
MJC-10 70-72	14	0.2	83	9	17	5	996	3	0.529
MJC-10 72-74	<5	0.3	200	10	23	6	965	2	2.818
MJC-10 74-76	<5	<0.1	372	7	29	3	266	4	2.125
MJC-10 76-78	<5	0.1	413	8	33	4	160	2	3.590
MJC-10 78-80	<5	0.1	141	11	24	<2	101	2	2.046
MJC-10 80-82	<5	0.1	135	9	30	<2	127	3	3.379
MJC-10 82-84	<5	0.2	81	10	184	<2	89	<2	1.207
MJC-10 84-86	<5	<0.1	73	6	83	<2	38	2	0.332
MJC-10 86-88	<5	0.1	89	5	87	<2	31	<2	0.525
MJC-10 88-90	<5	0.2	67	7	76	3	27	<2	0.231
MJC-10 90-92	<5	<0.1	67	5	76	6	21	<2	0.225
MJC-10 92-94	<5	0.1	64	7	80	7	22	2	0.160
MJC-10 94-96	<5	<0.1	67	8	80	7	31	<2	0.190
MJC-10 96-98	<5	<0.1	64	6	72	6	41	<2	0.299
MJC-10 98-100	<5	0.1	63	7	79	6	19	<2	0.159
MJC-10 100-102	<5	<0.1	68	8	74	6	33	<2	0.243
MJC-10 102-104	<5	0.1	66	13	78	6	13	<2	0.075
MJC-10 104-106	<5	0.1	62	8	75	6	12	<2	0.043
MJC-10 106-108	<5	0.1	65	7	75	6	13	3	0.047

AP-7 Results of Geochemical Analysis of Rock samples (Drilling) (2)

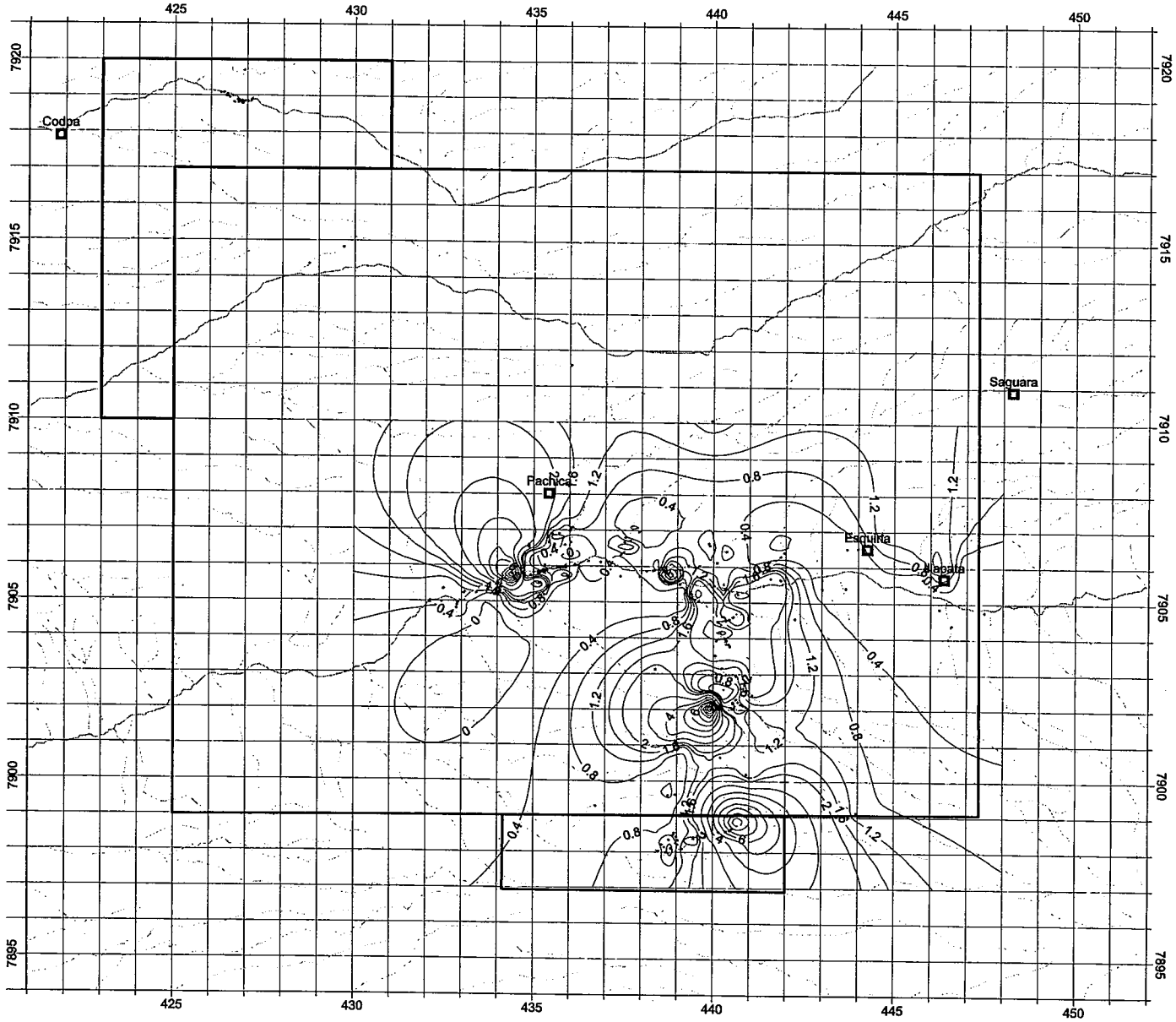
Sample No. Hole No. Depth (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
MJC-10 108-110	<5	0.2	65	9	82	5	14	<2	0.057
MJC-10 110-112	<5	<0.1	70	7	82	5	11	<2	0.048
MJC-10 112-114	<5	<0.1	69	3	76	5	<5	<2	0.038
MJC-10 114-116	<5	<0.1	64	6	83	5	8	<2	0.015
MJC-10 116-118	<5	<0.1	64	4	84	5	15	<2	0.216
MJC-10 118-120	<5	<0.1	63	6	89	5	22	<2	0.317
MJC-10 120-122	<5	<0.1	52	<2	83	4	89	<2	0.568
MJC-10 122-124	<5	0.1	53	3	68	5	224	2	0.286
MJC-10 124-126	<5	<0.1	52	<2	62	3	20	2	0.223
MJC-10 126-128	<5	0.1	56	4	44	6	21	2	0.371
MJC-10 128-130	<5	<0.1	64	7	60	5	8	2	0.330
MJC-10 130-132	<5	0.1	65	7	87	5	18	<2	0.760
MJC-10 132-134	<5	0.1	64	5	65	3	17	<2	0.505
MJC-10 134-136	<5	<0.1	50	2	73	4	58	<2	0.256
MJC-10 136-138	<5	<0.1	64	2	74	7	81	2	0.642
MJC-10 138-140	<5	0.2	87	2	84	2	37	3	0.691
MJC-10 140-142	<5	0.1	46	<2	66	5	45	2	0.677
MJC-10 142-144	<5	0.3	82	2	77	<2	42	3	0.775
MJC-10 144-146	<5	0.4	42	6	73	<2	31	<2	0.405
MJC-10 146-148	<5	<0.1	45	2	72	<2	29	3	0.493
MJC-10 148-150	<5	<0.1	65	<2	73	<2	126	3	0.365
MJC-10 150-152	<5	<0.1	75	<2	89	<2	100	2	0.181
MJC-10 152-154	<5	0.3	42	<2	74	<2	45	4	0.130
MJC-10 154-156	9	0.3	35	<2	66	<2	50	3	0.160
MJC-10 156-158	<5	0.1	33	<2	64	3	36	<2	0.198
MJC-10 158-160	<5	0.4	38	<2	66	6	326	2	0.178
MJC-10 160-162	<5	<0.1	29	<2	69	3	108	2	0.111
MJC-10 162-164	<5	<0.1	29	2	70	3	169	4	0.089
MJC-10 164-166	<5	0.2	37	2	73	3	250	3	0.154
MJC-10 166-168	<5	0.1	35	<2	70	3	95	<2	0.170
MJC-10 168-170	<5	0.1	41	<2	70	3	107	2	0.154
MJC-10 170-172	<5	0.3	46	<2	73	4	146	3	0.267
MJC-10 172-174	<5	0.4	32	<2	73	4	69	2	0.228
MJC-10 174-176	<5	0.5	33	2	70	4	125	2	0.359
MJC-10 176-178	<5	<0.1	41	4	73	5	163	3	0.382
MJC-10 178-180	<5	0.5	39	5	77	6	123	<2	0.239
MJC-10 180-182	<5	0.2	39	4	73	5	164	2	0.279
MJC-10 182-184	<5	0.2	21	7	68	7	109	2	0.260
MJC-10 184-186	<5	<0.1	16	6	66	5	100	<2	0.204
MJC-10 186-188	<5	0.1	15	9	65	5	235	<2	0.195
MJC-10 188-190	<5	<0.1	16	4	59	6	280	4	0.223
MJC-10 190-192	<5	<0.1	13	8	65	5	3440	52	0.463
MJC-10 192-194	<5	<0.1	14	7	55	6	63	<2	0.217
MJC-10 194-196	<5	0.2	34	9	72	6	460	6	0.696
MJC-10 196-198	10	0.1	20	4	69	5	431	3	0.590
MJC-10 198-200	<5	0.3	39	4	66	4	130	<2	0.260
MJC-10 200-202	<5	0.3	12	8	72	6	185	3	0.112
MJC-10 202-204	<5	0.1	11	4	61	5	439	4	0.096
MJC-10 204-206	<5	<0.1	14	8	67	3	198	4	0.081
MJC-10 206-208	<5	<0.1	48	9	67	7	994	12	0.334
MJC-10 208-210	<5	0.5	48	7	77	5	482	7	0.331
MJC-10 210-212	<5	0.4	54	7	90	4	1987	24	0.376
MJC-10 212-214	<5	0.5	25	5	80	5	470	8	0.265
MJC-10 214-216	<5	<0.1	41	6	82	5	374	8	0.678
MJC-10 216-218	<5	<0.1	59	5	84	5	1019	16	1.650
MJC-10 218-220	<5	<0.1	27	7	88	4	223	5	0.531
MJC-10 220-222	<5	0.1	38	8	78	6	184	6	0.504
MJC-10 222-224	<5	0.1	41	11	82	6	266	5	0.376
MJC-10 224-226	<5	<0.1	55	10	77	5	167	<2	0.391
MJC-10 226-228	<5	<0.1	22	8	79	7	34	<2	0.089
MJC-10 228-230	<5	<0.1	18	5	73	5	27	<2	0.071
MJC-10 230-232	<5	0.4	44	6	78	5	84	<2	0.227
MJC-10 232-234	<5	<0.1	37	7	88	5	41	<2	0.125
MJC-10 234-236	<5	<0.1	27	8	82	6	31	3	0.085
MJC-10 236-238	<5	<0.1	22	7	75	5	27	<2	0.059
MJC-10 238-240	<5	<0.1	21	7	73	5	22	<2	0.084
MJC-10 240-242	<5	<0.1	34	7	78	5	28	3	0.186
MJC-10 242-244	<5	0.2	17	5	83	4	10	<2	0.047
MJC-10 244-246	<5	<0.1	20	4	92	4	9	<2	0.024
MJC-10 246-248	<5	0.3	19	7	82	4	22	<2	0.087
MJC-10 248-250	<5	<0.1	22	9	81	4	22	<2	0.056
MJC-10 250-252	<5	<0.1	21	6	80	3	18	<2	0.019
MJC-10 252-254	<5	0.1	15	6	80	3	19	2	0.030
MJC-10 254-256	<5	<0.1	15	7	80	4	16	<2	0.018

AP-7 Results of Geochemical Analysis of Rock samples (Drilling) (3)

Sample No. Hole No. Depth (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
MJC-10 256-258	<5	<0.1	14	9	79	4	6	2	0.014
MJC-10 258-260	<5	0.1	17	11	81	3	11	<2	0.020
MJC-10 260-262	<5	0.3	15	9	78	3	9	<2	0.018
MJC-10 262-264	<5	0.5	15	9	77	3	8	2	0.032
MJC-10 264-266	<5	0.2	17	6	84	3	12	3	0.014
MJC-10 266-268	<5	<0.1	13	10	70	4	9	2	0.023
MJC-10 268-270	<5	<0.1	15	8	80	3	7	<2	0.030
MJC-10 270-272	<5	0.2	20	3	71	5	24	<2	0.093
MJC-10 272-274	<5	<0.1	20	4	74	4	35	<2	0.064
MJC-10 274-276	<5	0.1	22	3	73	3	58	<2	0.098
MJC-10 276-278	<5	0.2	17	3	83	3	11	<2	0.022
MJC-10 278-280	<5	0.5	20	6	85	4	12	<2	0.027
MJC-10 280-282	<5	0.5	22	2	74	4	21	<2	0.081
MJC-10 282-284	<5	0.6	21	<2	74	3	24	<2	0.110
MJC-10 284-286	<5	0.3	16	3	79	3	13	<2	0.021
MJC-10 286-288	<5	<0.1	20	7	88	5	16	<2	0.049
MJC-10 288-290	<5	<0.1	24	3	78	3	26	<2	0.130
MJC-10 290-292	<5	1.1	15	<2	79	4	6	<2	0.050
MJC-10 292-294	<5	0.5	15	<2	79	3	8	<2	0.024
MJC-10 294-296	<5	0.7	15	2	75	<2	9	<2	0.064
MJC-10 296-298	<5	<0.1	16	3	80	4	11	<2	0.038
MJC-10 298-300	<5	0.2	14	4	75	<2	11	<2	0.123
MJC-10 300-302	<5	<0.1	15	<2	74	3	16	<2	0.105
MJC-10 302-304	<5	0.2	14	<2	77	<2	9	<2	0.182
MJC-10 304-306	<5	0.5	16	<2	84	4	9	<2	0.080
MJC-10 306-308	<5	0.4	18	4	81	<2	11	<2	0.107
MJC-10 308-310	<5	<0.1	16	4	81	3	9	4	0.059
MJC-10 310-312	<5	0.2	17	5	67	<2	8	3	0.188
MJC-10 312-314	<5	0.2	17	5	74	<2	11	2	0.178
MJC-10 314-316	<5	0.1	16	7	74	<2	12	3	0.130
MJC-10 316-318	<5	<0.1	17	6	75	<2	16	3	0.143
MJC-10 318-320	<5	<0.1	15	5	76	<2	18	2	0.191
MJC-10 320-322	<5	0.2	14	7	70	<2	24	<2	0.157
MJC-10 322-324	6	0.2	16	7	82	3	18	<2	0.252
MJC-10 324-326	<5	0.2	16	5	77	<2	21	3	0.254
MJC-10 326-328	<5	0.3	16	9	73	<2	18	3	0.193
MJC-10 328-330	<5	0.3	15	6	71	<2	20	2	0.134
MJC-10 330-332	<5	0.2	17	5	79	4	19	2	0.142
MJC-10 332-334	<5	<0.1	22	8	69	3	49	3	0.097
MJC-10 334-336	<5	<0.1	32	4	62	3	49	<2	0.070
MJC-10 336-338	<5	0.5	39	4	72	4	48	<2	0.126
MJC-10 338-340	<5	0.9	41	2	81	<2	38	<2	0.170
MJC-10 340-342	<5	1.3	47	6	83	<2	31	<2	0.140
MJC-10 342-344	<5	0.4	45	2	80	3	25	<2	0.082
MJC-10 344-346	<5	0.1	49	<2	80	3	18	<2	0.064
MJC-10 346-348	<5	<0.1	47	<2	86	3	11	<2	0.016
MJC-10 348-350	<5	0.3	44	<2	78	<2	39	<2	0.130
MJC-10 350-352	<5	0.5	49	2	74	<2	25	<2	0.233
MJC-10 352-354	<5	0.4	51	5	71	<2	28	<2	0.143
MJC-10 354-356	<5	0.1	51	6	65	<2	28	<2	0.152
MJC-10 356-358	<5	0.3	50	4	75	3	27	<2	0.162
MJC-10 358-360	<5	0.1	53	5	67	<2	29	<2	0.115
MJC-10 360-362	<5	0.2	51	8	69	3	26	<2	0.155
MJC-10 362-364	<5	0.3	53	14	75	<2	18	<2	0.237
MJC-10 364-366	<5	0.3	51	5	54	<2	31	<2	0.607
MJC-10 366-368	<5	0.7	52	9	80	4	18	<2	0.389
MJC-10 368-370	<5	0.2	51	6	72	6	16	<2	0.250
MJC-10 370-372	<5	0.2	58	5	71	<2	23	<2	0.569
MJC-10 372-374	<5	<0.1	57	9	88	11	30	<2	0.180
MJC-10 374-376	6	0.2	58	11	111	4	44	5	0.472
MJC-10 376-378	<5	0.2	55	11	104	4	34	4	0.269
MJC-10 378-380	<5	0.5	61	9	83	<2	86	3	0.135
MJC-10 380-382	<5	1	61	9	74	4	286	7	0.503
MJC-10 382-384	<5	0.5	77	10	75	5	150	10	0.427
MJC-10 384-386	<5	<0.1	50	9	78	<2	155	3	0.112
MJC-10 386-388	<5	0.2	57	9	81	<2	132	5	0.065
MJC-10 388-390	<5	<0.1	50	12	76	<2	163	4	0.074
MJC-10 390-392	<5	<0.1	48	11	90	<2	229	7	0.198
MJC-10 392-394	<5	0.5	53	11	87	4	205	3	0.160
MJC-12 164-166	7	1.1	77	7	106	5	7	<2	<0.01
MJC-12 166-168	8	1	69	4	102	4	<5	<2	0.019
MJC-12 168-170	7	1	81	7	88	6	<5	<2	<0.01
MJC-12 170-172	8	0.8	80	6	73	5	9	3	<0.01

AP-7 Results of Geochemical Analysis of Rock samples (Drilling) (4)

Sample No. Hole No. Depth (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
MJC-12 172-174	<5	1	72	10	96	4	<5	<2	<0.01
MJC-12 174-176	<5	0.1	87	7	88	5	<5	<2	<0.01
MJC-12 176-178	<5	0.6	139	11	92	4	7	2	<0.01
MJC-12 178-180	<5	0.9	146	11	90	4	6	<2	<0.01
MJC-12 180-182	<5	1.2	109	11	95	4	7	<2	<0.01
MJC-12 182-184	<5	1.1	39	9	102	4	<5	<2	<0.01
MJC-12 184-186	<5	1.1	111	11	99	4	9	<2	<0.01
MJC-12 186-188	<5	0.9	79	8	96	5	7	2	<0.01
MJC-12 188-190	<5	1	113	8	91	5	<5	<2	<0.01
MJC-12 190-192	<5	0.5	63	8	115	4	<5	<2	<0.01
MJC-12 192-194	<5	0.1	103	7	98	5	<5	<2	<0.01
MJC-12 194-196	<5	<0.1	107	9	99	5	<5	<2	<0.01
MJC-12 196-198	<5	<0.1	134	9	117	5	<5	<2	0.014
MJC-12 198-200	<5	0.5	96	10	90	5	<5	<2	<0.01
MJC-12 200-202	<5	0.1	126	12	92	5	<5	<2	0.013
MJC-12 202-204	<5	0.7	109	9	85	6	<5	<2	<0.01
MJC-12 204-206	<5	0.4	109	8	86	5	<5	<2	0.014
MJC-12 206-208	<5	0.6	127	10	82	4	<5	<2	0.010
MJC-12 208-210	<5	0.6	100	10	94	6	<5	<2	0.011
MJC-12 210-212	<5	0.8	97	11	106	6	<5	<2	0.010
MJC-12 212 214	<5	0.7	133	11	98	7	<5	<2	<0.01
MJC-12 214-216	<5	0.9	131	8	83	5	<5	<2	<0.01
MJC-12 216-218	<5	1	118	10	92	7	<5	<2	<0.01
MJC-12 218-220	<5	0.9	110	8	85	4	6	<2	<0.01
MJC-12 220-222	<5	0.8	113	8	86	6	<5	<2	0.010
MJC-12 222-224	<5	0.7	120	9	84	6	<5	<2	<0.01
MJC-12 224-226	<5	0.7	129	8	84	4	<5	<2	<0.01
MJC-12 226-228	<5	0.2	107	8	84	6	<5	<2	0.017
MJC-12 228-230	<5	0.8	96	10	81	6	7	<2	<0.01
MJC-12 230-232	<5	0.8	128	10	88	4	<5	<2	<0.01
MJC-12 232-234	<5	0.8	128	11	90	4	<5	<2	<0.01
MJC-12 234-236	<5	0.8	91	9	85	5	<5	<2	<0.01
MJC-12 236-238	<5	0.9	107	9	83	5	<5	<2	<0.01
MJC-12 238-240	<5	0.9	115	7	87	3	<5	<2	<0.01
MJC-12 240-242	<5	1	110	7	87	4	<5	<2	<0.01
MJC-12 242-244	<5	<0.1	120	7	83	5	6	<2	<0.01
MJC-12 244-246	<5	0.1	108	8	89	<2	17	<2	<0.01
MJC-12 246-248	<5	0.2	109	7	108	6	<5	<2	0.013
MJC-12 248-250	<5	0.2	90	10	103	3	7	<2	0.011
MJC-12 250-252	<5	0.1	89	10	102	5	7	<2	<0.01
MJC-12 252-254	<5	0.2	81	9	94	4	9	<2	<0.01
MJC-12 254-256	<5	0.2	63	8	84	3	<5	<2	<0.01
MJC-12 256-258	<5	0.2	117	7	86	7	<5	<2	<0.01
MJC-12 258-260	<5	0.3	115	7	89	6	<5	<2	<0.01
MJC-12 260-262	<5	0.8	129	7	90	6	<5	<2	<0.01
MJC-12 262-264	<5	0.9	140	8	87	6	<5	<2	<0.01
MJC-12 264-266	<5	0.9	102	5	84	6	<5	<2	<0.01
MJC-12 266-268	<5	0.8	126	6	81	5	<5	<2	<0.01
MJC-12 268-270	<5	1	134	4	84	6	<5	<2	<0.01
MJC-12 270-272	<5	0.9	118	4	85	7	<5	<2	<0.01
MJC-12 272-274	<5	0.9	113	3	78	5	<5	<2	<0.01
MJC-12 274-276	<5	0.9	121	4	87	6	<5	<2	<0.01
MJC-12 276-278	<5	0.3	95	4	79	5	<5	<2	<0.01
MJC-12 278-280	<5	0.1	123	5	70	4	<5	<2	<0.01
MJC-12 280-282	<5	0.1	131	8	75	3	10	<2	<0.01
MJC-12 282-284	<5	0.1	106	6	71	3	<5	<2	<0.01
MJC-12 284-286	<5	<0.1	205	10	77	4	13	<2	<0.01
MJC-12 286-288	<5	0.1	133	12	72	3	8	<2	<0.01
MJC-12 288-290	<5	0.1	143	13	76	3	7	<2	<0.01
MJC-12 290-292	<5	0.3	134	11	77	4	<5	<2	<0.01
MJC-12 292-294	<5	0.2	168	5	77	3	6	<2	<0.01
MJC-12 294-296	<5	0.5	134	6	76	4	<5	<2	<0.01
MJC-12 296-298	<5	0.5	88	6	86	6	<5	<2	<0.01
MJC-12 298-300	<5	0.5	105	6	82	5	<5	<2	<0.01



AP-8 Pb/Cu Contours in the Southern Camarones Area