

APPENDICES

(卷 末 資 料)

Apx. 1 Microscopic Observations of Rock Thin Sections

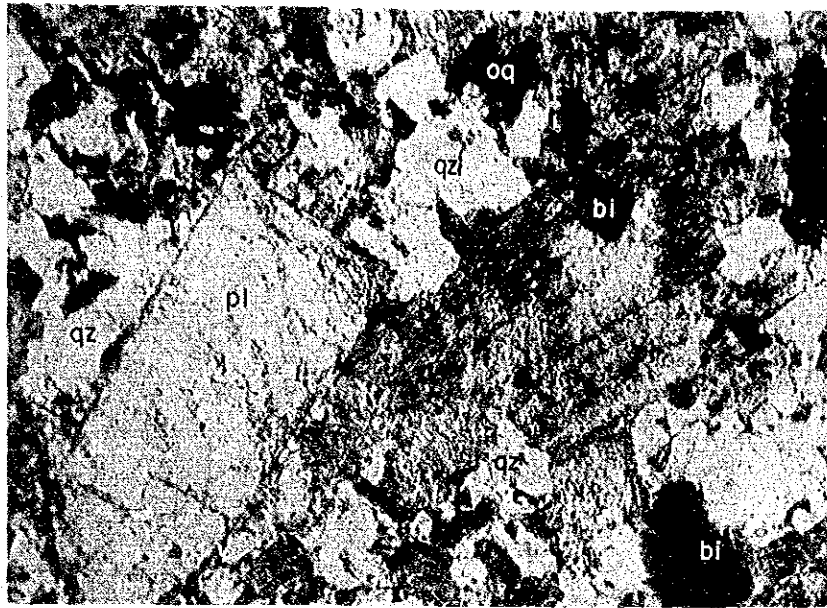
Abbreviations

<u>Mineral</u>	<u>Others</u>
pl : plagioclase	dc : dacite
ol : olivine	tf : tuff
hy : hyperthene	rho : rhyolite
ag : augite	f·fr : fine fragment
hb : hornblende	
qz : quartz	
or : orthoclase	
bi : biotite	
oq : opaque	
gl : glass	
ch : chlorite	
se : sericite	
ze : zeolite	
ca : calcite	
ep : epidote	
ab : albite	
hm : hematite	
lim : limonite	
mon : montmorillonite	

Apx. 2 Photomicrographs of rock thin Sections

Abbreviations

pl	: plagioclase	gl	: glass
ol	: olivine	ch	: chlorite
ag	: augite	ep	: epidote
hb	: hornblende	ab	: albite
qz	: quartz	hm	: hematite
bi	: biotite	lim	: limonite



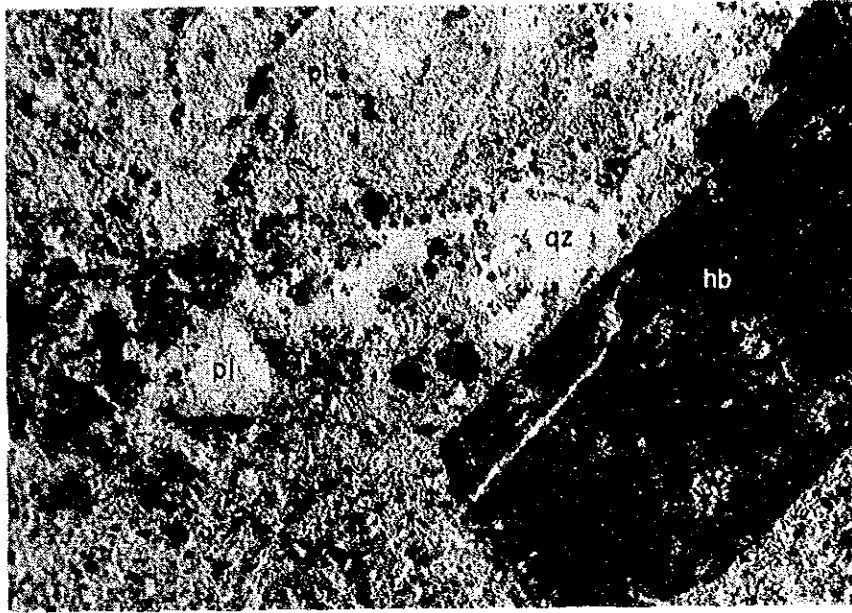
open nicol



crossed nicols



(1) Sample No.: Mm-1 (Di)
 Location: X=667.9 Y=8324.7
 Rock name: Quartz diorite
 Texture: Holocrystalline
 Remarks: $pl > qz > hb \gg bi \cong oq$



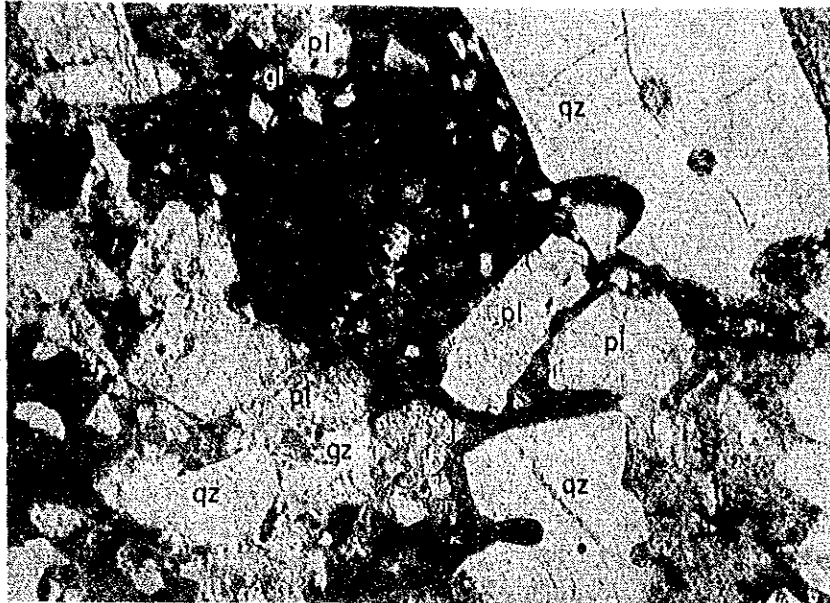
open nicol



crossed nicols

0 1 mm

- (2) Sample No.: Mm-4 (An-p)
 Location: X=679.9 Y=8323.9
 Rock name: Hornblende andesite
 Texture: Porphyritic, hyalopilitic
 phenocryst ... pl > hb > qz > oq ≧ hy
 groundmass ... gl > pl > oq
 Remarks: hb → opacite



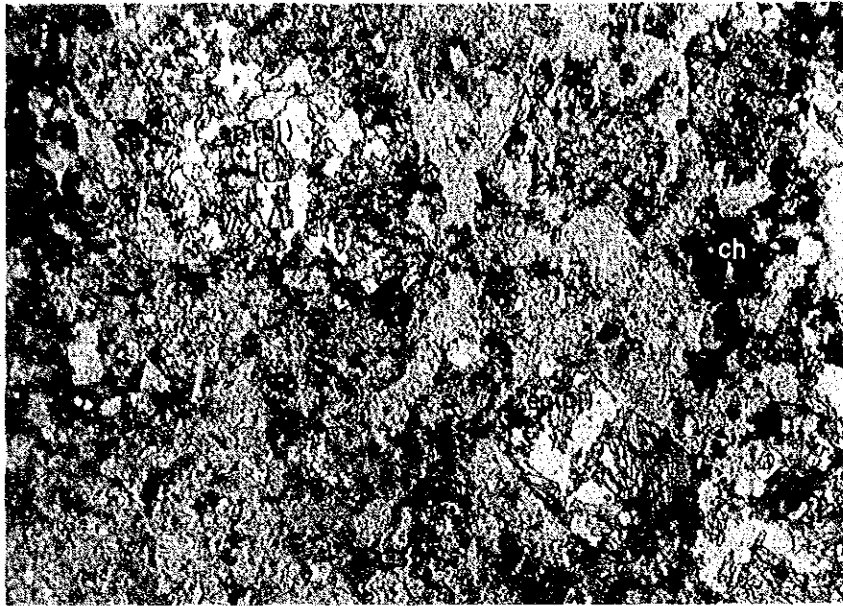
open nicol



crossed nicols



- (3) Sample No.: Mm-15 (A)
 Location: X = 681.8 Y = 8328.0
 Rock name: Rhyolite
 Texture: Porphyritic
 phenocryst ... pl > qz > bi > oq
 (fragmental)
 groundmass ... gl ≧ pl > qx > bi
 Remarks: gl → ch, weak silicification



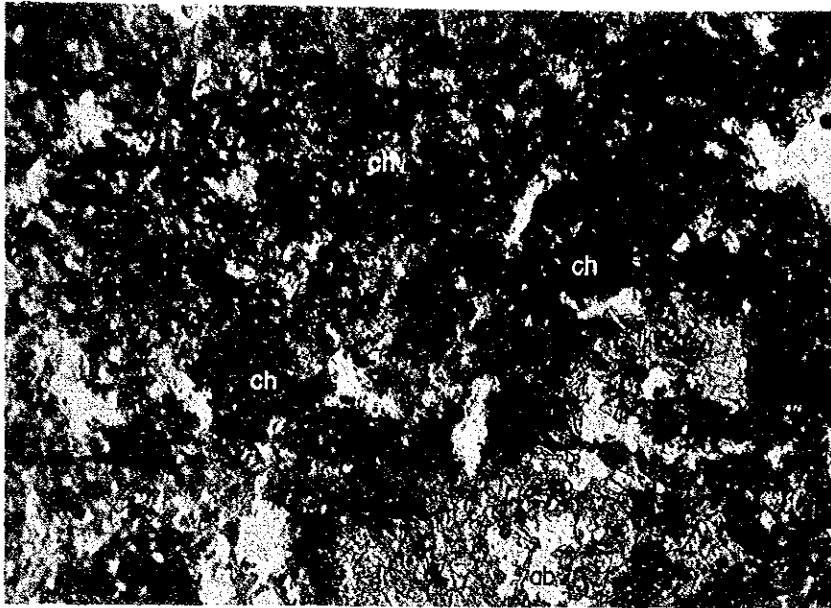
open nicol



crossed nicols

0 1 mm

- (4) Sample No.: M_N-2 (Tc)
Location: X = 679.2 Y = 8328.2
Rock name: Altered andesite (propylite)
Texture: Porphyritic, hyalopilitic~cryptocrystalline
phenocryst ... pl > mafic mineral
groundmass ... gl \gg pl > mafic mineral
Remarks: Propylitization



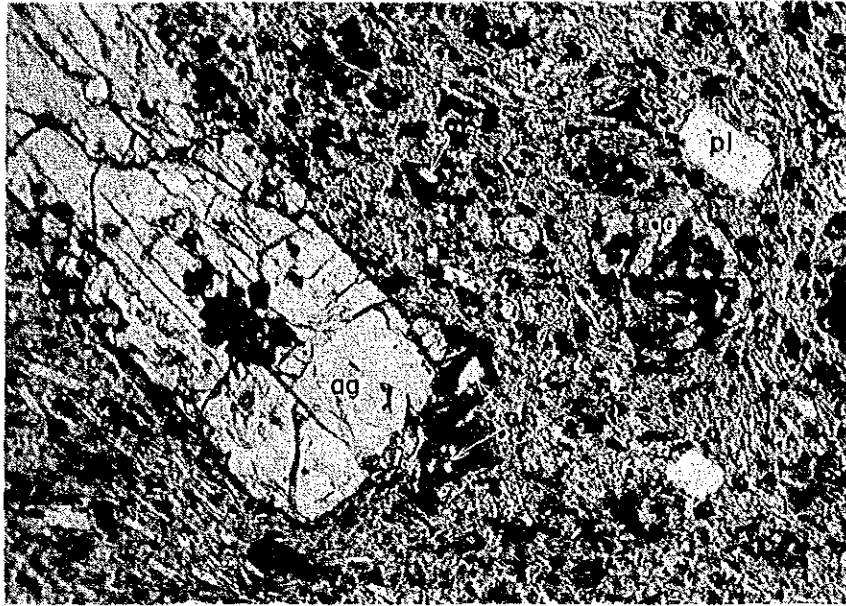
open nicol



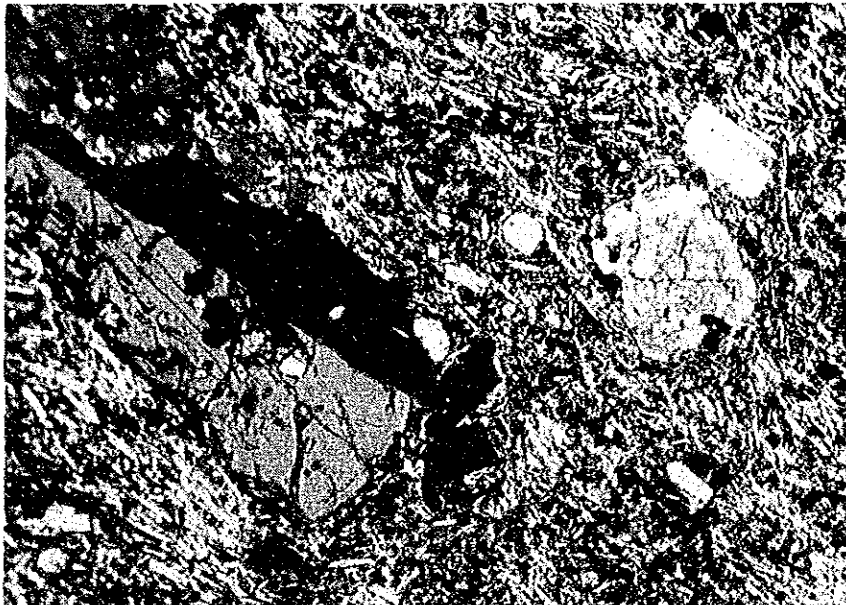
crossed nicols

0 1 mm

- (5) Sample No.: Pm-22 (Tc-an)
 Location: X = 675.4 Y = 8294.9
 Rock name: Altered andesite (propylite)
 Texture: Porphyritic
 phenocryst ... pl > px?
 groundmass ... gl ≥ pl
 Remarks: Propylitization
 pl → ep + albite
 px → ch
 gl → ch + albite



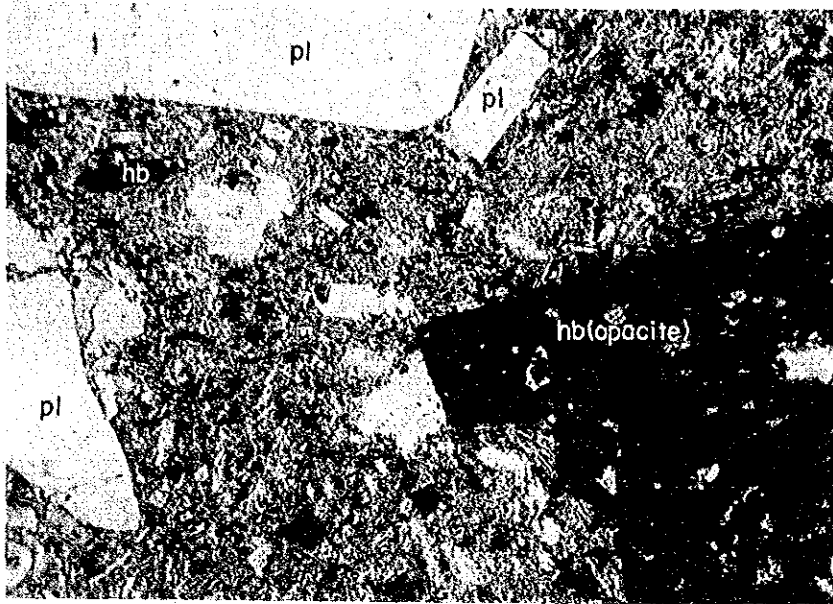
open nicol



crossed nicols

0 1 mm

- (6) Sample No.: P_N-1 (Vbl-an)
 Location: X = 677.4 Y = 8294.5
 Rock name: Hornblende olivine basalt
 Texture: Porphyritic, hyalopilitic
 phenocryst ... pl > ag > hy > hb, ol > oq
 groundmass ... pl ≅ gl > ag ≅ hy > ol
 Remarks: hy → opacite



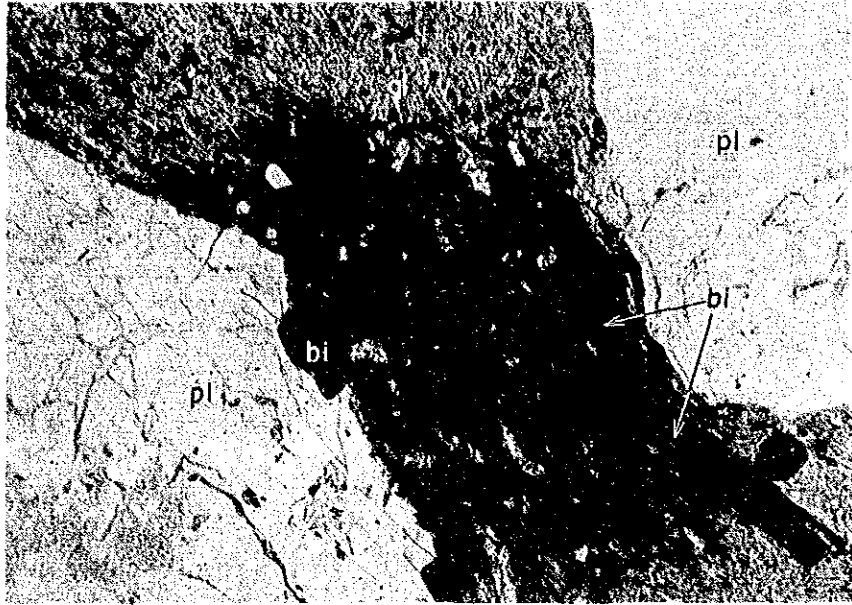
open nicol



crossed nicols

0 1 mm

- (7) Sample No.: P_N-12 (Vbl-po)
 Location: X=677.8 Y=8296.4
 Rock name: Hornblende andesite
 Texture: Porphyritic, hyalopilitic
 phenocryst ... pl > hb ≫ ag
 groundmass ... gl ≫ pl > ag ≥ hb > oq
 Remarks: hb → opacite



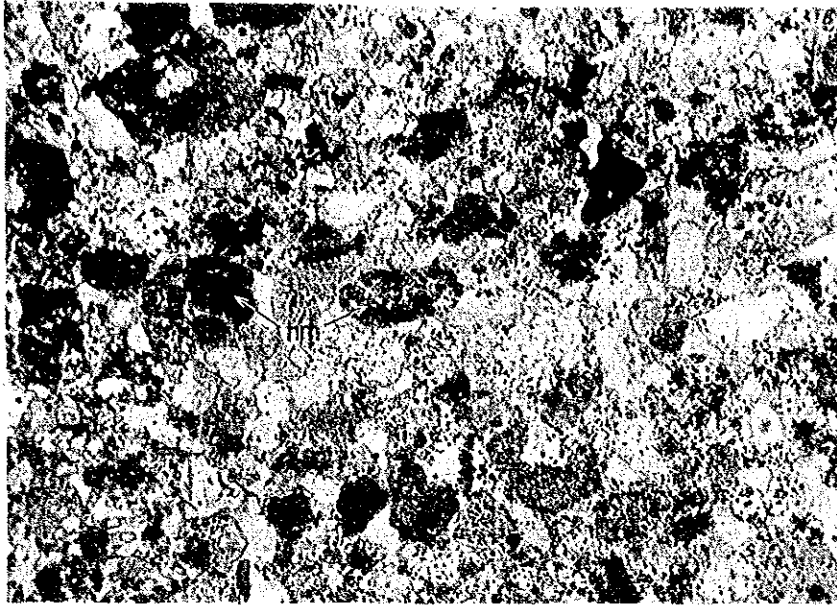
open nicol



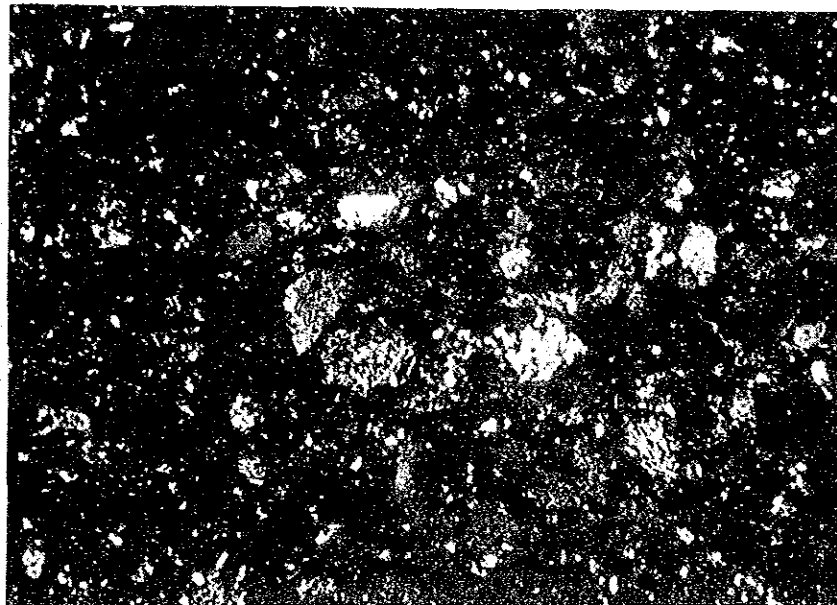
crossed nicols

0. 1 mm

- (8) Sample No.: Pk-1 (Vbu-wt)
 Location: X=676.0 Y=8293.9
 Rock name: Dactie tuff
 Texture: Flow structure, Porphyritic
 mineral fragment ... $pl > qz \cong bi$
 matrix ... $gl \gg pl > qz > bi$
 Remarks: Devitrification



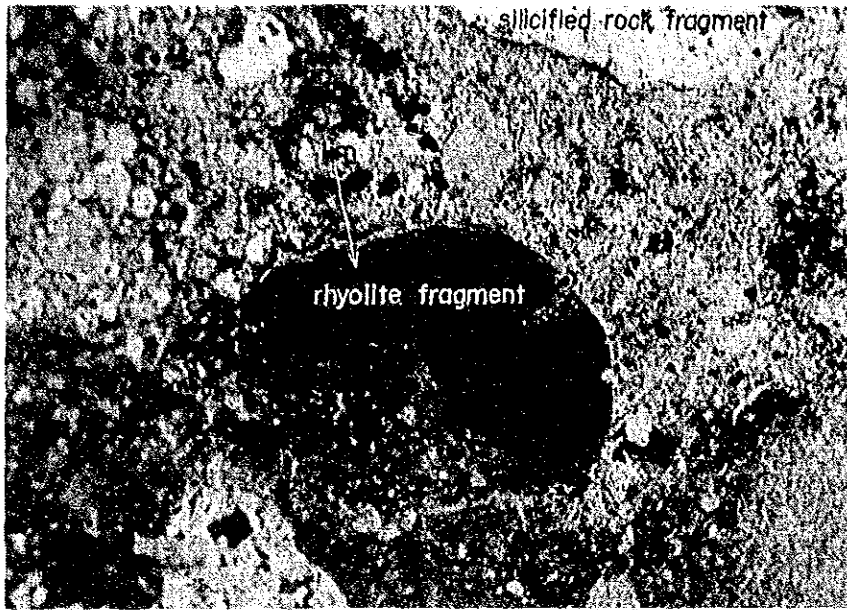
open nicol



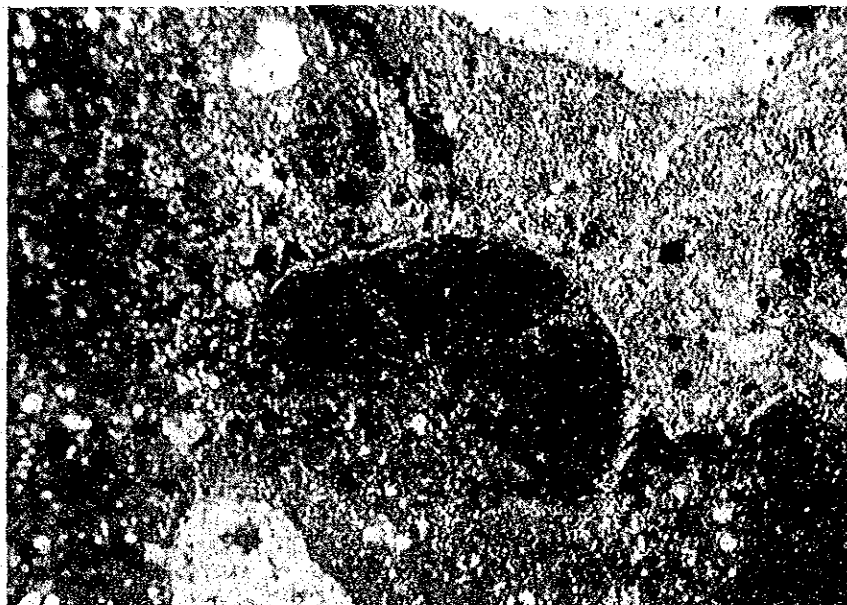
crossed nicols

0 1 mm

- (9) Sample No.: Pv-12 (Tc-tf)
Location: X=674.6 Y=8296.4
Rock name: Altered sandy tuff
Texture: Medium grained
Remarks: Strong argillization, hematite stained



open nicol



crossed nicols

0 1 mm

- (9) Sample No.: Pv-15 (Te-rho)
 Location: X = 675.2 Y = 8295.5
 Rock name: Rhyolitic tuff
 Texture: Clastic
 rock fragment (tuff, rhyolite),
 gl, pl, qz fragment
 Remarks: Weak silicification, limonite stained

Abbreviations for X-ray Diffractive Analyses (Apx.-3, -4, -5)

Mineral

Hal	: Halloysite	Tri	: Tridymite
Hha	: Hydrated halloysite	Qz	: Quartz
Kao	: Kaolinite	Kf	: Potassium feldspar
Die	: Dickite	Al	: Alunite
Pyp	: Pyrophyllite	Jar	: Jarosite
Mm	: Montmorillonite	Gyp	: Gypsum
Ser	: Sericite	Cal	: Calcite
Chl	: Chlorite	Sid	: Siderite
Kao/Mm	: Kaolinite-Montmorillonite mixed layer	Py	: Pyrite
Ser/Mm	: Sericite-Montmorillonite mixed layer	Hm	: Hematite
Clp	: Clinoptilolite	Geo	: Goethite
Sti	: Stilbite	Dia	: Diaspore
Cri	: α -Cristobalite	Rutil	: Rutile
		Pl	: Plagioclase
		Bio	: Biotite
		Hb	: Hornblende

Ap. 5 X-ray Diffractive Analyses of Drilling Core Samples

No.	Drill Hole No.	Co-ordinate		Sample No.	Depth (m)	Silicate mineral								Sulfate mineral	Others					Rock forming mineral			Remarks							
		E (km)	N (km)			Clay mineral					Silica mineral				Alu	Py	Hem	Goe	Dia	Rutil	Pl	Bi		Hb						
						Hal	Kao	Pyp	Mu	Ser	Chl	Ser/Ma	Gri												Tri	Qz	Kf			
1	MJP-2	677,352.5	8'295,108.1	P2X - 1	23.80 ~ 23.90					•				⊙												White altered rhyolitic tuff				
				P2X - 2	39.65 ~ 39.75	•				○					⊙	•													"	
				P2X - 3	99.70 ~ 99.80	•				•						⊙	○	•							⊙					"
				P2M - 1X	31.45 ~ 31.50					○						⊙														"
				P2M - 2X	70.00 ~ 70.20					•			○				⊙		•											
2	MJP-3	676,456.1	8'294,686.8	P3X - 1	24.25 ~ 25.55	•			•	•				⊙									⊙				Argillized andesite			
				P3X - 2	36.20 ~ 37.45					○						⊙									⊙				Argillized andesite	
				P3X - 3	67.70 ~ 67.85					•			○				⊙													White and brown clay
				P3M - 1X	84.50 ~ 85.65	•				•	•						⊙		•		•				○					Argillized andesite
				P3M - 2X	96.30 ~ 96.60	•				•							⊙									⊙				Porous white quartz vein
				P3M - 3X	98.80 ~ 100.00			•	•		•						⊙	⊙	•		•									Strong siliceous rock
3	MJP-4	676,988.3	8'295,123.7	P4X - 1	55.00 ~ 55.30									•													Quartz - Goethite vein			
				P4M - 1X	40.45 ~ 42.05			•	•		•					⊙	•	⊙											White argillized rock with pyrite	
				P4M - 3X	79.50 ~ 79.70					•	•						⊙		○						⊙				Network of quartz veinlets	
				P4M - 4X	79.70 ~ 81.65					•	•						⊙		○							⊙				Altered andesite with pyrite
				P4M - 5X	85.70 ~ 86.85					•	○						⊙		○							⊙				Siliceous andesite with quartz veinlets
4	MJP-5	676,479.9	8'295,191.2	P5X - 1	6.40 ~ 6.50				•					⊙	•	•						•					Whitish grey siliceous andesite			
				P5X - 2	24.35 ~ 24.45			○		•	•					⊙	○												Strong altered andesite	
				P5X - 3	47.70 ~ 47.75					•	•						⊙	•	○											Strong argillized andesite
				P5X - 4	80.00 ~ 80.05			○	⊙								⊙	•	○			•								Argillization
				P5X - 5	100.00 ~ 100.10			○		•	•						⊙	•	•						•					Light grey strong argillization
				P5M - 1X	89.10 ~ 89.60					•	•						⊙	•	•			•	•							Strong silicified rock
				P5M - 2X	95.35 ~ 96.60					•	•						⊙	•	○						•					Grey porous quartz vein
5	MJP-6	677,892.0	8'295,480.0	P6X - 1	68.20 ~ 68.15								⊙	○									⊙	•	•		Andesitic volcanic breccia			
				P6X - 2	88.40 ~ 88.45											⊙									⊙				"	
				P6X - 3	96.90 ~ 96.95					•	•						⊙				•		•							Altered andesite with back veinlets
				P6X - 4	100.10 ~ 100.15					•	•						⊙	?	•	•		•	•							Altered brecciated andesite
6	MJP-7	676,151.7	8'294,901.1	P7X - 1	4.70 ~ 5.90	•			•					⊙	•		•										Strong argillized rock			
				P7X - 2	33.20 ~ 33.25	•				•							⊙								⊙				"	
				P7X - 3	76.10 ~ 76.15	•				•							⊙									⊙				"
				P7M - 1X	18.80 ~ 20.35					•							⊙	•						•						Brown and white strong argillized rock
				P7M - 2X	45.20 ~ 46.15							•					⊙									⊙				Altered andesite
				P7M - 3X	57.90 ~ 60.10							•					⊙									•				Strong argillized rock

Apx.5 continued

No.	Drill Hole No.	Co-ordinate		Sample No.	Depth (m)	Silicate mineral										Sulfate mineral	Others					Rock forming mineral			Remarks				
		E (km)	N (km)			Clay mineral						Silica mineral					Alu	Py	Hem	Goe	Dia	Rutil	Pl	Bi		Hb			
						Hal	Kao	Pyp	Mn	Ser	Chl	Ser/Mn	Cri	Tri	Qz												Kf		
7	MJP-8	675,655.6	8'294,865.9	P8X - 1	14.65 ~ 14.70		•		•						⊙	○		•									White argillized rock		
				P8X - 2	100.10 ~ 100.20	•			•	•							⊙												Strong argillized rock
				P8M - 2X	2.55 ~ 3.65												⊙			•			•						Grey strong silicified rock
				P8M - 3X	7.55 ~ 8.75				•								⊙			○	○								Reddish brown iron oxides
				P8M - 4X	9.10 ~ 9.90				○								⊙			•									Grey strong silicified rock
				P8M - 5X	46.85 ~ 46.95				•		•						⊙			•						•			Quartz vein
				P8M - 6X	69.95 ~ 73.35	•			•		•		•				•			○						⊙			Strong argillized rock
8	MJP-9	675,986.5	8'294,132.0	P9X - 1	15.65 ~ 15.70		○			•				⊙			•	•								Argillized rhyolitic tuff			
				P9X - 2	28.85 ~ 28.90		○			•						⊙	•		•									Weakly argillized rhyolitic tuff	
				P9X - 3	98.40 ~ 98.60		•			•							⊙	•		•								Quartz veinlet	
				P9M - 1X	3.80 ~ 5.30		⊙										⊙												Strong silicified rhyolite
				P9M - 2X	49.00 ~ 49.45		⊙	?									⊙		•	•									Quartz vein
				P9M - 3X	61.65 ~ 62.15		•			•		•					⊙	○		•						⊙			Rhyolitic tuff with strong pyritization
				P9M - 4X	74.65 ~ 76.00		○						•				⊙			•									Strong silicified rhyolitic rock
P9M - 7X	90.75 ~ 91.00		○										⊙			•									Silicified rhyolitic tuff				
9	MJP-10	676,013.2	8'294,354.5	P10X - 1	2.80 ~ 2.85		⊙	•						⊙			•									White strong argillaceous rock			
				P10X - 2	11.00 ~ 11.10		•		•	•		•				⊙									⊙			Brown strong argillaceous rock	
				P10X - 3	53.00 ~ 53.10				⊙		•						⊙	•											Strong altered rock
				P10X - 4	59.20 ~ 59.30				⊙			○					⊙	•		•									Strong argillized andesite
				P10M - 1X	20.45 ~ 21.05	•			○			•					⊙									⊙			Strong argillized rock
				P10M - 2X	83.25 ~ 84.40		⊙										⊙		•	○									White strong argillized rock with pyrite dissemination

Apx. 6 Microscopic Observations of Polished Sections

No.	Sample No.	Co-ordinates		Type of Ore	Ore Mineral								Remarks	Area	
		E (km)	N (km)		py	hm	cp	gn	sp	mg	cov	bo			
1	MK-1	679.3	8327.8	skarn vein	○					○				hm ... size 0.4 ~ 1.2 mm	Marcabamba
2	MN-11	680.1	8331.0	silicified rock with pyrite	⊙									py ... size 0.2 ~ 0.4 mm	
3	M-1	680.1	8324.8	quartz vein ore	○	○	⊙	○	○	●	●			cov, bo ... secondary mineral	
4	PV-16	675.7	8294.8	silicified rock with hematite										hm ... veinlet	
5	WG-2	667.0	8296.8	quartz vein with black minerals	○									py ... 0.03 ~ 0.05 mm xenomorphic	

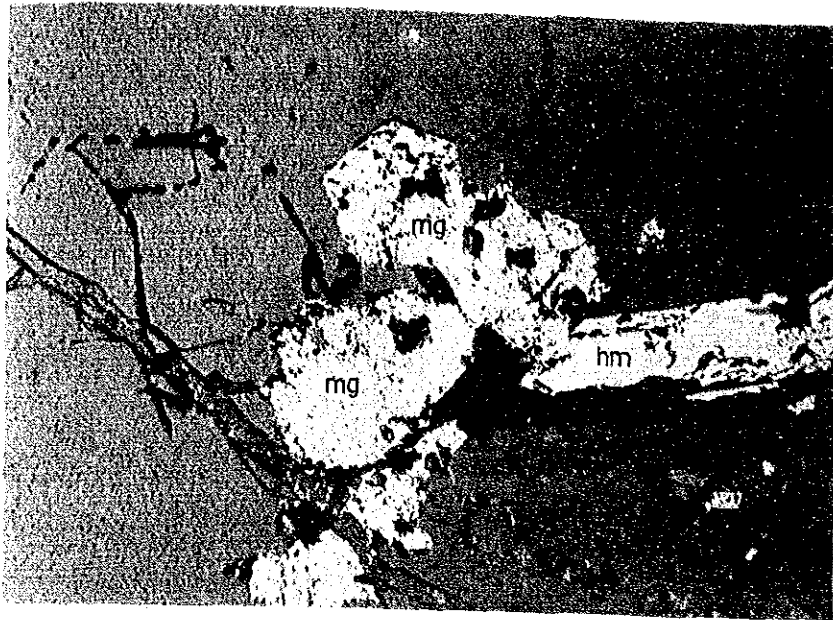
No.	Boring No.	Sample No.	Depth (m) ~ (m)	Type of ore	Ore Mineral							Remarks	
					py	sp	gn	hm	gt				
6	MJP-4	P4M-3P	79.50 ~ 79.70	quartz vein network with pyrite	⊙								py ... size 0.1 ~ 0.2 mm idiomorphic
7	MJP-8	P8M-3P	7.55 ~ 8.75	goethite-hematite ore				○			⊙		Calloform or banding
8	"	P8M-6P	69.95 ~ 73.35	pyrite disseminated ore									py ... size 0.2 ~ 0.5 mm idiomorphic hypidiomorphic
9	MJP-9	P9M-2P	49.00 ~ 49.45	quartz vein with pyrite	⊙								py ... size < 0.2 mm idiomorphic
10	"	P9M-5P	76.70 ~ 77.00	quartz vein with pyrite	⊙								py ... size < 0.2 mm (fine) idiomorphic ~ hypidiomorphic
11	"	P9M-6P	88.80 ~ 89.00	quartz vein with pyrite	⊙	○							size ... py: < 0.2 mm, sp: 0.2 mm gn: 0.2 ~ 0.4 mm xenomorphic

Abbreviations yp: pyrite, hm: hematite, cp: chalcopyrite, gn: galena, sp: sphalerite, mg: magnetite, cov: covellite, bo: bornite
 St: goethite, ⊙: abundant, ○: common, ●: minor

Apx.7 Photomicrographs of Polished Sections

Abbreviations

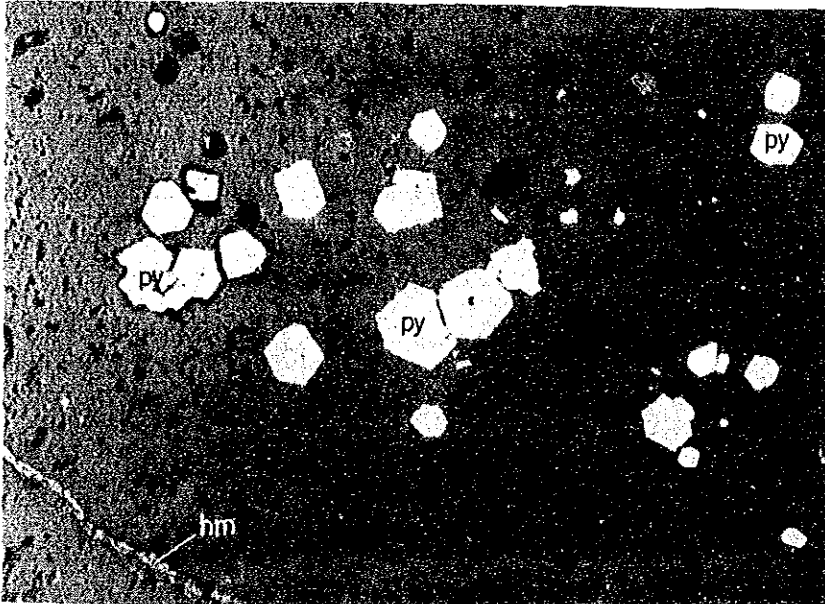
py : pyrite
hm : hematite
mg : magnetite
gn : galena
sp : sphalerite
cp : chalcopyrite
cov : covellite
bo : bornite



(1) Sample No.: Mk-1
 Location: X=679.3
 Y=8327.8
 Type of ore: Skarn vein
 Remarks: hm > mg
 hm ... size 0.4~1.2 mm

open nicol

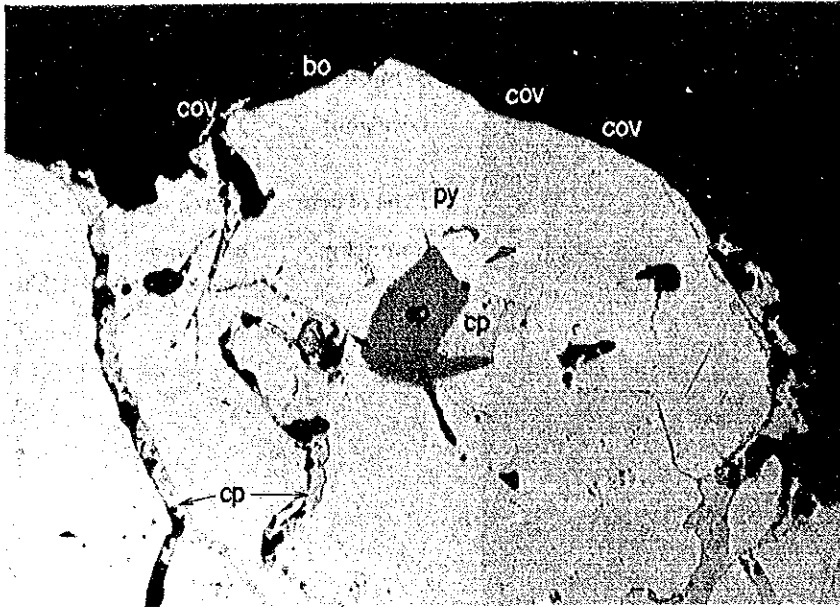
0 0.5mm



(2) Sample No.: MN-11
 Location: X=680.1
 Y=8331.0
 Type of ore: Silicified rock
 with pyrite
 Remarks: py ≥ hm
 py ... size 0.2~0.4 mm
 hm ... secondary,
 veinlet

open nicol

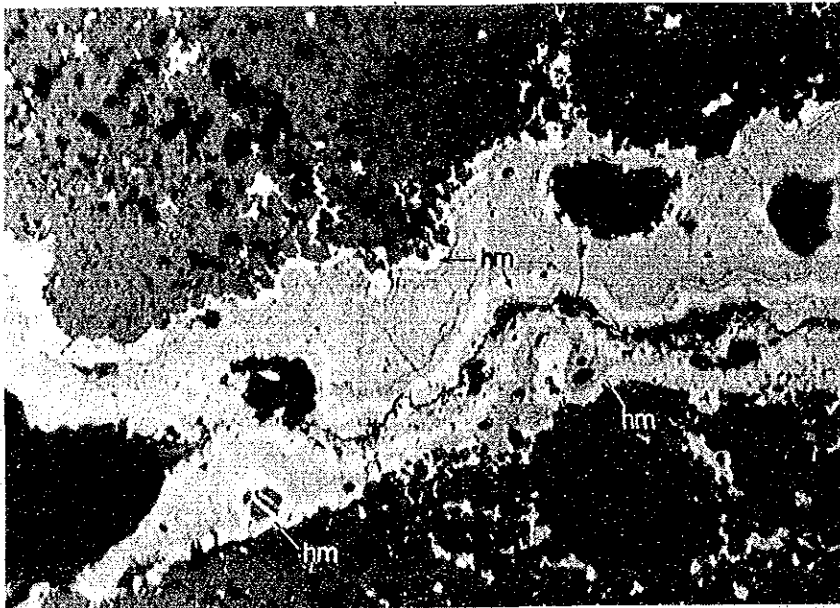
0 0.5mm



open nicol

0 0.5mm

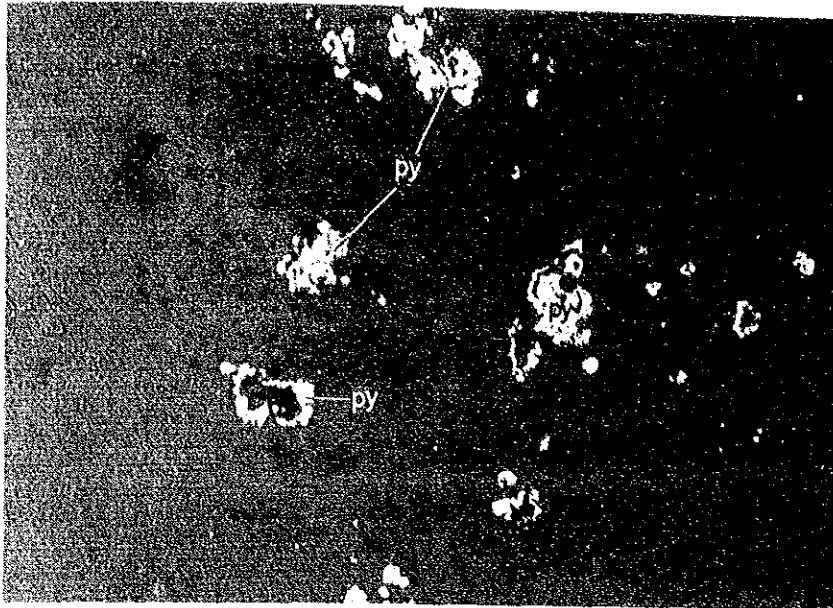
(3) Sample No.: M-1
 Location: X = 680.1
 Y = 8324.8
 Type of ore: Quartz vein
 Remarks: gn > sp > cp > py > cov
 > bo
 cov, bo ... secondary



open nicol

0 0.5mm

(4) Sample No.: Pv-16
 Location: X = 675.7
 Y = 8294.8
 Type of ore: Silicified rock
 with hematite
 Remarks: Hematite veinlet



(5) Sample No.: WG-2
 Location: X=667.0
 Y=8296.8
 Type of ore: Quartz vein
 with pyrite
 Remarks: Pyrite grain size
 ... 0.03~0.05 mm

open nicol

0 0.25mm



(6) Sample No.: P9M-6P
 Boring No.: MJP-9
 Type of ore: Quartz vein
 with pyrite
 Remarks: $py \gg sp > gn$

open nicol

0 0.25mm

Apx. 8 Results of Chemical Analyses of Altered Rock and Ore Samples

Area	No.	Sample No.	Co-ordinates		Type of Samples	Au g/t	Ag g/t	As %	Cu %	Pb %	Zn %
			E (km)	N (km)							
Marabamba Area	1	MG-15	686.6	8324.8	quartz vein	<0.07	5.3	0.004	0.04	0.13	0.04
	2	MK-1	679.3	8327.8	hematite dissemination ore	<0.07	2.8	0.003	<0.01	0.03	0.04
	3	Mm-7	685.2	8321.9	white argillaceous rock	<0.07	1.9	0.003	<0.01	0.03	0.01
	4	MmV-6	683.3	8321.9	siliceous rock	<0.07	86.5	0.362	<0.01	0.08	<0.01
	5	Mn-10	680.2	8331.1	"	0.27	7.0	0.014	<0.01	<0.01	<0.01
	6	Mn-11	680.1	8331.0	"	0.41	39.3	0.006	0.01	0.23	0.01
	7	Mn-16	680.7	8331.6	"	<0.07	15.8	0.024	<0.01	<0.01	<0.01
	8	Mn-17	680.6	8331.6	"	<0.07	3.3	0.019	<0.01	<0.01	<0.01
	9	Mn-23	685.6	8323.3	"	<0.07	2.3	0.006	<0.01	<0.01	<0.01
	10	Mn-24	685.7	8322.3	"	0.07	2.8	0.006	<0.01	<0.01	<0.01
	11	MZ-5	677.9	8324.2	argillaceous sheared rock	<0.07	4.1	0.001	<0.01	0.06	<0.01
	12	MZ-10	676.8	8325.1	siliceous rock	<0.07	<0.3	0.001	<0.01	<0.01	0.01
	13	M-1	680.1	8324.8	massive ore (float)	0.34	507.5	0.035	3.66	14.30	3.91
Pirca Eastern Area	14	PK-6	676.0	8294.2	strong siliceous rock	<0.07	2.8	0.002	<0.01	0.01	0.01
	15	PK-25	675.1	8294.8	siliceous rock (quartz vein?)	<0.07	1.7	0.011	0.01	<0.01	0.01
	16	PK-30	675.0	8296.6	siliceous rock	<0.07	6.8	0.005	0.01	0.01	0.01
	17	PK-39	675.9	8294.1	strong siliceous rock (quartz vein?)	0.07	<0.3	0.005	<0.01	<0.01	<0.01
	18	PK-42	676.3	8294.2	quartz vein (w = 0.45 m)	<0.07	<0.3	<0.001	<0.01	<0.01	<0.01
	19	Pm-2	673.8	8294.1	massive quartz (float)	<0.07	0.8	0.002	<0.01	<0.01	<0.01
	20	Pm-9	674.1	8295.2	white argillaceous rock	<0.07	2.5	0.022	<0.01	<0.01	<0.01
	21	Pm-10	674.0	8295.4	"	<0.07	0.8	0.040	<0.01	<0.01	<0.01
	22	Pm-11	674.0	8295.5	siliceous rock	<0.07	1.0	0.002	<0.01	<0.01	<0.01
	23	Pm-13	674.0	8295.9	argillaceous rock with pyrite	<0.07	4.7	0.004	<0.01	<0.01	<0.01
	24	Pm-20	675.4	8294.7	"	<0.07	8.0	0.028	<0.01	0.01	0.02
	25	Pm-24	675.4	8295.2	"	<0.07	12.0	0.001	<0.01	0.01	0.01
	26	Pm-25	675.4	8295.8	siliceous rock	<0.07	2.5	0.002	<0.01	<0.01	<0.01
Pirca Western Area	27	PZ-6	675.8	8296.5	altered rock with iron oxides	<0.07	3.0	0.008	<0.01	<0.01	<0.01
	28	PZ-72	674.8	8295.0	calcedonic quartz (float)	<0.07	1.7	0.001	<0.01	<0.01	<0.01
	29	PZ-14	674.8	8295.6	siliceous rock with limonite stain	0.07	3.3	0.022	<0.01	<0.01	<0.01
	30	PZ-15	674.8	8295.6	"	<0.07	0.3	0.006	<0.01	<0.01	<0.01
	31	PV-16	675.5	8294.8	siliceous rock	<0.07	4.7	0.003	<0.01	<0.01	<0.01
	32	PMV-2	676.2	8294.2	quartz vein (w = 0.80 m)	<0.07	2.3	0.004	<0.01	<0.01	<0.01
	33	PN-24	667.7	8295.7	siliceous rock	<0.07	<0.3	0.008	<0.01	<0.01	<0.01
	34	PN-31	667.5	8297.1	"	<0.07	1.9	0.002	<0.01	<0.01	<0.01
	35	PV-21	666.6	8296.6	"	<0.07	1.0	0.002	<0.01	<0.01	<0.01
	36	WG-1	666.8	8295.3	"	0.89	7.0	0.009	<0.01	0.04	0.01
	37	WG-2	667.0	8296.8	grey network quartz	6.65	10.0	0.006	<0.01	0.02	0.01
	38	WPZ-6	666.4	8296.0	white siliceous rock	0.14	2.3	0.007	<0.01	<0.01	<0.01
	39	WPZ-10	666.5	8295.3	strong siliceous rock	<0.07	<0.3	0.001	<0.01	<0.01	<0.01
40	WPK-1	666.8	8296.5	"	0.17	<0.3	<0.001	<0.01	<0.01	<0.01	

ApX.9 Results of Chemical Analyses of Altered Drilling Core Samples

Drilling No.	Sample No.	Depth (m) ~ (m)	Alteration or Mineralization	Au g/t	Ag g/t	As %	Cu %	Pb %	Zn %
MJP-2	P2M-1	31.45 ~ 31.50	white altered rhyolitic tuff	<0.07	<0.3	0.019	<0.01	<0.01	<0.01
	P2M-2	70.00 ~ 70.20		<0.07	<0.3	0.001	<0.01	<0.01	<0.01
MJP-3	P3M-1	84.50 ~ 85.65	argillized andesite with pyrite dissemination	<0.07	0.5	0.025	0.04	<0.01	<0.01
	P3M-2	96.30 ~ 96.60	porous white quartz vein	<0.07	<0.3	0.001	<0.01	<0.01	<0.01
	P3M-3	98.80 ~ 100.00	strongly siliceous rock	<0.07	<0.3	0.001	<0.01	<0.01	<0.01
MJP-4	P4M-1	40.45 ~ 42.05	white argillized rock with pyrite quartz-geothite vein network of quartz veinlets altered andesite with pyrite siliceous andesite with quartz veinlets	<0.07	<0.3	0.004	0.02	0.01	<0.01
	P4M-2	55.80 ~ 56.10		<0.07	1.9	0.028	0.05	<0.01	0.02
	P4M-3	79.50 ~ 79.70		<0.07	<0.3	0.002	<0.01	<0.01	0.01
	P4M-4	79.70 ~ 81.65		<0.07	0.5	0.002	<0.01	<0.01	<0.01
	P4M-5	85.70 ~ 86.85		<0.07	0.5	0.001	<0.01	<0.01	0.01
MJP-5	P5M-1	89.10 ~ 89.60	strong silicified rock	<0.07	<0.3	0.010	<0.01	<0.01	<0.01
	P5M-2	95.35 ~ 96.60	grey porous quartz vein	<0.07	<0.3	0.003	<0.01	<0.01	<0.01
	P5M-3	96.60 ~ 97.80	"	<0.07	<0.3	0.003	<0.01	<0.01	<0.01
MJP-7	P7M-1	18.80 ~ 20.35	brown and white strong argillized rock altered andesite strong argillized rock	<0.07	0.3	0.001	<0.01	<0.01	<0.01
	P7M-2	45.20 ~ 46.15		<0.07	0.3	0.001	0.01	<0.01	0.01
	P7M-3	57.90 ~ 60.10		<0.07	0.3	0.001	<0.01	<0.01	<0.01
MJP-8	P8M-1	1.90 ~ 2.55	grey strong silicified rock	0.17	<0.3	0.008	<0.01	0.01	<0.01
	P8M-2	2.55 ~ 3.65	"	0.07	0.3	0.016	<0.01	<0.01	<0.01
	P8M-3	7.35 ~ 8.75	reddish brown iron oxides massive	<0.07	1.7	0.021	0.01	<0.01	<0.01
	P8M-4	9.10 ~ 9.90	grey strong silicified rock	<0.07	<0.3	0.015	<0.01	<0.01	<0.01
	P8M-5	46.85 ~ 46.95	quartz vein	0.07	1.0	0.012	<0.01	<0.01	0.01
	P8M-6	69.95 ~ 73.35	strong argillized rock with pyrite	<0.07	0.5	0.001	0.01	<0.01	<0.01
MJP-9	P9M-1	3.80 ~ 5.30	strong silicified rhyolite quartz vein rhyolitic tuff with strong pyritization strong silicified rhyolitic rock grey quartz vein rhyolitic tuff with quartz vein silicified rhyolitic tuff	<0.07	<0.3	0.003	<0.01	<0.01	<0.01
	P9M-2	49.00 ~ 49.45		<0.07	0.8	0.004	0.01	<0.01	<0.01
	P9M-3	61.65 ~ 62.15		<0.07	<0.3	0.004	<0.01	<0.01	<0.01
	P9M-4	74.65 ~ 76.00		<0.07	1.0	0.006	0.01	0.01	0.06
	P9M-5	76.70 ~ 77.00		<0.07	2.8	0.006	0.02	0.01	0.07
	P9M-6	88.80 ~ 89.00		<0.07	1.0	0.008	<0.01	0.01	0.01
	P9M-7	90.75 ~ 91.00		<0.07	0.5	0.005	<0.01	<0.01	0.02
MJP-10	P10M-1	20.45 ~ 21.05	strong argillized rock	<0.07	0.3	0.002	<0.01	<0.01	<0.01
	P10M-2	83.25 ~ 84.40	white strong argillized rock with pyrite dissemination	<0.07	<0.3	0.004	0.01	<0.01	<0.01

Apx. 10 Assay Results of Geochemical Samples of the Marcabamba Area

Serial No.	Sample No.	Co-ordinates		Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au ppb
		X	Y						
000001	SMG 001	678.87	8325.40	24	13	65	0.1	5	6
000002	SMG 002	678.75	8325.80	20	6	35	0.1	4	3
000003	SMG 003	678.83	8325.78	20	57	28	0.1	36	7
000004	SMG 004	678.93	8326.13	34	21	68	0.1	12	5
000005	SMG 005	679.04	8326.29	65	83	165	0.1	22	11
000006	SMG 006	679.13	8326.46	47	11	64	0.1	32	2
000007	SMG 007	679.18	8326.66	38	17	83	0.1	23	9
000008	SMG 008	679.20	8326.85	38	23	95	0.1	11	3
000009	SMG 009	679.22	8327.07	19	18	90	0.1	9	4
000010	SMG 010	679.33	8327.27	43	28	52	0.1	24	4
000011	SMG 011	679.38	8327.45	54	58	115	2.5	60	53
000012	SMG 012	679.36	8326.13	22	56	97	0.1	9	2
000013	SMG 013	679.39	8325.92	21	22	45	0.1	11	2
000014	SMG 014	679.43	8325.69	22	18	40	0.1	17	4
000015	SMG 015	679.45	8325.46	47	30	80	0.2	16	8
000016	SMG 016	679.45	8325.21	37	16	76	0.1	16	12
000017	SMG 017	679.45	8325.07	43	18	93	0.1	15	7
000018	SMG 018	679.33	8324.89	35	21	65	0.3	39	12
000019	SMG 019	679.28	8324.73	41	23	80	0.1	16	3
000020	SMG 020	679.21	8324.61	20	12	54	0.1	12	4
000021	SMG 021	679.05	8324.51	41	17	74	0.1	53	19
000022	SMG 022	678.99	8324.48	49	8	38	0.1	11	19
000023	SMG 023	678.90	8324.26	49	11	70	0.1	14	11
000024	SMG 024	678.85	8324.15	23	9	53	0.1	10	3
000025	SMG 025	678.83	8324.00	23	11	60	0.1	14	5
000026	SMG 026	678.85	8323.87	41	16	70	0.1	11	5
000027	SMG 027	678.88	8323.70	100	20	94	0.1	10	8
000028	SMG 028	678.89	8323.49	72	24	75	0.1	10	4
000029	SMG 029	678.95	8323.33	36	11	90	0.1	9	3
000030	SMG 030	679.00	8323.18	61	9	79	0.1	5	9
000031	SMG 031	679.07	8323.02	67	10	88	0.1	5	10
000032	SMG 032	680.23	8331.04	25	23	62	0.5	22	18
000033	SMG 033	680.38	8331.03	30	39	94	2.2	15	70
000034	SMG 034	680.30	8330.77	22	9	114	4.2	20	164
000035	SMG 035	680.49	8330.80	14	11	46	0.3	60	7
000036	SMG 036	680.74	8330.28	185	5950	2750	72.0	550	10000
000037	SMG 037	680.54	8330.17	24	92	135	7.0	25	147
000038	SMG 038	680.28	8330.10	18	33	82	11	11	63
000039	SMG 039	679.63	8324.53	32	33	70	5.8	460	546
000040	SMG 040	679.88	8324.48	41	13	68	0.1	15	8
000041	SMG 041	679.97	8324.21	33	37	70	0.9	20	11
000042	SMG 042	679.92	8323.56	30	11	56	0.1	10	6
000043	SMG 043	680.00	8323.78	35	14	54	0.1	10	3
000044	SMG 044	680.09	8323.87	44	12	60	0.1	9	7
000045	SMG 045	680.25	8323.97	53	6	65	0.1	4	4
000046	SMG 046	680.44	8324.00	43	13	65	0.1	5	6
000047	SMG 047	680.69	8324.04	19	9	41	0.1	2	4
000048	SMG 048	680.94	8324.10	14	10	25	0.2	3	8
000049	SMG 049	681.14	8324.15	26	7	60	0.1	3	5
000050	SMG 050	681.37	8324.16	9	14	41	0.1	6	1
000051	SMG 051	686.02	8321.62	26	10	26	0.1	4	3
000052	SMG 052	686.24	8321.59	26	4	70	0.1	2	4
000053	SMG 053	686.52	8321.56	21	4	52	0.1	4	4
000054	SMG 054	686.63	8321.48	25	7	47	0.1	3	2
000055	SMG 055	686.70	8321.33	25	8	59	0.1	5	4
000056	SMG 056	686.99	8321.07	21	6	42	0.1	1	4
000057	SMG 057	686.99	8321.01	29	6	72	0.1	4	3
000058	SMG 058	686.94	8321.85	26	8	62	0.1	4	4
000059	SMG 059	686.79	8321.69	32	6	64	0.1	3	2
000060	SMG 060	686.59	8321.67	30	1	63	0.1	1	1
000061	SMG 061	686.36	8321.71	24	2	41	0.1	1	4
000062	SMG 062	686.17	8321.83	24	4	135	0.1	1	4
000063	SMG 063	683.46	8323.06	25	18	68	0.6	11	85
000064	SMG 064	683.34	8322.85	21	8	66	0.2	15	25
000065	SMG 065	683.28	8322.68	24	7	56	0.1	14	47
000066	SMG 066	683.09	8322.49	23	10	62	0.2	12	76
000067	SMG 067	683.01	8322.29	29	11	61	0.1	9	19
000068	SMG 068	682.94	8322.13	26	9	65	0.1	7	27
000069	SMG 069	682.72	8321.97	26	11	63	0.2	11	47
000070	SMG 070	682.54	8321.82	24	11	56	0.2	9	76
000071	SMG 071	682.33	8321.73	24	8	45	0.1	9	31
000072	SMG 072	682.09	8321.88	28	9	46	0.2	12	42
000073	SMG 073	682.26	8322.04	21	10	54	0.1	9	35
000074	SMG 074	682.38	8322.28	24	9	58	0.2	10	43
000075	SMG 075	682.44	8322.51	32	10	60	0.2	14	33
000076	SMG 076	682.58	8322.72	28	12	70	0.3	17	77
000077	SMG 077	682.69	8322.90	33	12	73	0.3	17	99
000078	SMG 078	682.78	8323.11	30	10	75	0.2	43	16
000079	SMG 079	681.00	8326.47	30	32	261	0.1	9	7
000080	SMG 080	681.49	8326.32	33	14	112	0.1	7	8
000081	SMG 081	681.70	8327.33	26	11	68	0.1	5	5
000082	SMG 082	681.41	8327.28	23	12	68	0.1	3	2
000083	SMG 083	681.22	8327.28	25	13	61	0.1	5	6
000084	SMK 001	679.28	8327.83	34	35	140	0.4	12	11
000085	SMK 002	679.22	8327.84	39	26	123	0.4	16	19
000086	SMK 003	679.00	8327.78	93	29	105	0.1	7	68
000087	SMK 004	679.16	8327.96	31	34	125	0.2	11	8
000088	SMK 005	679.12	8328.50	92	237	260	1.3	16	27
000089	SMK 006	679.17	8328.18	30	18	90	0.1	10	2
000090	SMK 007	679.15	8328.31	51	35	198	1.2	150	20
000091	SMK 008	679.16	8328.44	19	10	45	0.1	10	3
000092	SMK 009	679.70	8328.45	28	15	90	0.1	11	13
000093	SMK 010	678.98	8328.47	37	10	67	0.1	11	4
000094	SMK 011	678.92	8328.46	40	10	215	0.1	9	4
000095	SMK 012	679.67	8330.62	35	52	115	0.1	35	9
000096	SMK 013	679.62	8331.00	38	13	70	0.1	9	3
000097	SMK 014	679.55	8331.42	40	19	60	0.1	320	11
000098	SMK 015	679.51	8331.66	32	13	63	0.1	11	2
000099	SMK 016	679.43	8331.90	32	12	76	0.1	14	5
000100	SMK 017	679.35	8332.08	37	17	73	0.1	5	1
000101	SMK 018	679.30	8332.20	57	8	73	0.1	7	4
000102	SMK 019	679.23	8332.44	33	11	73	0.1	5	4
000103	SMK 020	679.13	8332.63	26	12	61	0.1	5	1
000104	SMK 021	679.10	8332.79	24	11	68	0.1	6	1
000105	SMK 022	679.17	8332.96	18	32	83	0.4	6	7
000106	SMK 023	679.50	8330.60	33	63	54	1.1	160	53
000107	SMK 024	679.46	8330.56	37	50	160	0.3	10	5
000108	SMK 025	679.20	8330.56	93	27	81	0.2	16	13

Serial No.	Sample No.	Co-ordinates		Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au ppb
		X	Y						
000109	SMK 026	679.15	8330.45	18	11	82	0.1	6	11
000110	SMK 027	679.22	8330.25	19	9	53	0.1	6	11
000111	SMK 028	679.22	8330.00	59	20	84	0.1	38	11
000112	SMK 029	679.19	8329.95	67	8	80	0.1	29	4
000113	SMK 030	685.00	8322.20	20	8	72	0.1	5	4
000114	SMK 031	685.24	8322.40	31	4	63	0.1	2	11
000115	SMK 032	685.43	8322.57	45	6	112	0.1	15	3
000116	SMK 033	685.56	8322.75	27	4	90	0.1	1	11
000117	SMK 034	685.70	8322.78	32	5	109	0.1	3	21
000118	SMK 035	685.85	8322.76	37	5	77	0.1	1	11
000119	SMK 036	685.96	8322.70	48	7	115	0.1	2	12
000120	SMK 037	686.17	8323.04	37	9	80	1.3	25	8
000121	SMK 038	686.32	8323.12	15	11	30	0.1	3	11
000122	SMK 039	686.56	8323.05	11	10	26	0.1	3	11
000123	SMK 040	686.73	8323.21	23	10	55	0.1	12	11
000124	SMK 041	686.93	8323.38	36	9	102	0.1	4	11
000125	SMK 042	686.98	8323.50	4	12	4	0.1	1	11
000126	SMK 043	686.87	8323.51	13	7	40	0.1	5	11
000127	SMK 044	686.71	8323.48	14	8	35	0.1	2	11
000128	SMK 045	686.50	8323.40	4	8	21	0.1	1	11
000129	SMK 046	686.41	8323.36	10	9	21	0.1	2	11
000130	SMK 047	686.48	8323.20	4	10	14	0.1	2	11
000131	SMK 048	678.12	8324.32	22	28	84	0.1	11	4
000132	SMK 049	678.12	8324.54	74	70	148	0.1	25	4
000133	SMK 050	678.18	8324.75	48	22	150	0.1	15	8
000134	SMK 051	678.00	8324.89	50	45	195	0.1	14	4
000135	SMK 052	678.07	8325.10	36	26	68	0.1	11	11
000136	SMK 053	678.06	8325.30	22	9	80	0.1	6	27
000137	SMK 054	678.00	8325.49	18	13	80	0.1	5	27
000138	SMK 055	678.20	8325.48	24	30	123	0.1	7	25
000139	SMK 056	678.42	8325.48	18	10	65	0.1	6	8
000140	SMK 057	678.61	8325.48	19	12	66	0.1	6	1
000141	SMK 058	678.79	8325.44	17	10	66	0.1	7	6
000142	SMK 059	678.80	8325.22	20	11	77	0.1	6	1
000143	SMK 060	678.73	8325.00	22	10	65	0.1	6	5
000144	SMK 061	678.59	8324.77	26	15	85	0.7	10	53
000145	SMK 062	679.36	8326.76	17	10	52	0.1	12	11
000146	SMK 063	679.51	8327.10	56	9	84	0.1	22	1
000147	SMK 064	679.66	8327.31	62	9	77	0.2	19	4
000148	SMK 065	679.74	8327.52	34	13	63	0.1	11	4
000149	SMK 066	679.82	8327.73	26	13	65	0.1	10	11
000150	SMK 067	679.90	8327.95	30	14	63	0.1	20	5
000151	SMK 068	679.96	8328.17	30	23	60	0.3	17	9
000152	SMK 069	679.99	8328.37	24	22	76	0.2	14	7
000153	SMK 070	679.95	8328.59	38	20	74	0.3	19	6
000154	SMK 071	679.97	8328.84	24	20	75	0.2	7	3
000155	SMK 072	679.98	8329.09	26	15	69	0.3	11	2
000156	SMK 073	679.98	8329.34	20	19	83	0.7	10	8
000157	SMK 074	679.96	8329.55	19	18	58	0.3	10	10
000158	SMK 075	679.90	8329.78	38	38	148	1.2	36	12
000159	SMK 076	680.02	8330.03	15	11	63	0.1	11	11
000160	SMK 077	680.10	8330.23	19	25	72	2.3	15	29
000161	SMK 078	680.13	8330.54	60	93	64	0.8	35	12
000162	SMK 079	680.13	8330.74	18	11	43	0.1	14	4
000163	SMK 080	680.10	8330.95	82	160	295	28.0	190	102
000164	SMK 081	680.22	8329.91	20	10	47	0.1	5	4
000165	SMK 082	680.33	8329.77	29	12	55	0.1	6	4
000166	SMK 083	680.40	8329.64	20	10	55	0.1	9	4
000167	SMK 084	680.50	8329.49	46	12	60	0.2	15	7
000168	SMK 085	680.53	8329.33	26	12	68	0.1	6	9
000169	SMK 086	680.84	8329.36	22	19	73	0.1	24	4
000170	SMK 087	680.98	8329.20	28	12	58	0.1	9	1
000171	SMK 088	681.13	8329.32	28	16	67	0.1	10	22
000172	SMK 089	681.33	8329.22	30	18	76	0.1	10	4
000173	SMK 090	681.12	8329.00	28	15	110	0.1	5	3
000174	SMK 091	680.92	8329.02	28	14	70	0.1	7	1
000175	SMK 092	680.73	8328.95	34	13	81	0.1	6	2
000176	SMK 093	680.54	8329.06	30	12	64	0.1	6	2
000177	SMK 094	680.37	8328.76	19	27	85	0.1	6	2
000178	SMK 095	680.19	8328.86	21	13	73	0.1	2	3
000179	SMK 096	679.84	8328.87	30	11	45	0.1	9	4
000180	SMK 097	679.84	8328.84	29	10	70	0.1	17	6
000181	SMK 098	679.84	8328.57	40	8	73	0.1	11	3
000182	SMK 099	679.86	8328.25	16	9	81	0.1	12	1
000183	SMK 100	679.99	8328.05	26	11	68	0.1	16	3
000184	SMK 101	679.99	8327.82	62	11	64	0.1	24	7
000185	SMK 102	680.08	8324.45	30	8	38	0.1	12	5
000186	SMK 103	679.94	8324.44	15	8	38	0.1	7	11
000187	SMK 104	679.85	8324.28	42	10	60	0.1	6	2
000188	SMK 105	679.72	8324.16	46	9	58	0.1	4	6
000189	SMK 106	680.07	8324.26	36	11	65	0.1	19	5
000190	SMK 107	679.81	8324.02	32	12	52	0.1	7	4
000191	SMK 108	679.74	8323.84	43	12	61	0.1	10	3
000192	SMK 109	680.05	8323.71	44	15	62	0.1	12	12
000193	SMK 110	680.26	8323.68	38	12	63	0.1	12	4
000194	SMK 111	680.45	8323.64	48	14	67	0.1	7	11
000195	SMK 112	680.66	8323.56	52	13	66	0.1	5	7
000196	SMK 113	680.87	8323.51	32	16	58	0.1	11	18
000197	SMK 114	681.07	8323.46	8	8	10	0.1	1	11
000198	SMK 115	681.24	8323.30	26	13	75	0.1	7	5
000199	SMK 116	681.36	8323.15	36	15	80	0.1	14	5
000200	SMK 117	683.92	8323.44	17	9	46	0.1	1	3
000201	SMK 118	684.08	8323.33	46	8	78	0.1	5	2
000202	SMK 119	684.39	8323.29	48	7	76	0.1	3	2
000203	SMK 120	684.40	8323.15	66	1	86	0.1	1	1
000204	SMK 121	684.48	8322.97	36	5	76	0.1	2	1
000205	SMK 122	684.59	8322.81	24	6	89	0.1	3	1
000206	SMK 123	684.72	8322.60	29	5	93	0.1	12	3
000207	SMK 124	684.92	8322.41	20	5	54	0.1	12	11
000208	SMK 125	685.08	8322.28	30	4	73	0.1	1	11
000209	SMK 126	685.29	8322.19	24	5	85	0.1	3	2
000210	SMK 127	685.52	8322.34	14	2	58	0.1	5	11
000211	SMK 128	685.44	8322.07	19	4	76	0.1	4	4
000212	SMK 129	685.32	8321.89	23	8	81	0.1	5	3
000213	SMK 130	685.62	8321.85	18	8	80	0.1	3	11
000214	SMK 131	685.79	8321.21	18	11	44	0.1	1	11
000215	SMK 132	685.46	8321.66	20	8	69	0.1	5	6
000216	SMK 133	685.33	8321.47	30	7	55	0.1	23	3

Serial No.	Sample No.	Co-ordinates		Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au ppb
		X	Y						
000217	SMN 087	605.19	8321.36	32	11	43	0.1	6	41
000218	SMN 088	605.11	8321.60	22	13	53	0.1	5	5
000219	SMN 089	603.35	8323.43	26	11	63	0.1	5	4
000220	SMN 090	603.14	8323.32	20	6	35	0.1	9	12
000221	SMN 091	602.94	8323.33	17	25	44	0.1	45	5
000222	SMN 092	602.69	8323.36	40	9	49	0.1	33	7
000223	SMN 093	602.46	8323.31	28	11	58	0.1	10	4
000224	SMN 094	602.32	8323.18	34	17	70	0.1	24	73
000225	SMN 095	602.11	8323.06	30	12	60	0.2	27	7
000226	SMN 096	602.00	8322.87	24	10	37	0.3	22	14
000227	SMN 097	601.88	8322.73	30	14	42	0.3	19	4
000228	SMN 098	601.67	8322.82	36	12	70	0.2	16	5
000229	SMN 099	601.45	8322.93	30	11	53	0.2	24	8
000230	SMN 100	601.29	8322.68	34	10	68	0.1	6	3
000231	SMN 101	600.98	8322.62	40	13	78	0.1	7	11
000232	SMN 102	601.42	8322.44	36	8	80	0.1	11	15
000233	SMN 103	601.73	8322.58	34	14	74	0.1	24	7
000234	SMN 104	601.97	8322.42	34	13	70	0.1	17	4
000235	SMN 105	602.08	8322.63	29	7	44	0.2	14	9
000236	SMN 106	602.17	8322.82	24	4	76	0.3	17	7
000237	SMN 107	601.64	8326.91	36	19	95	0.3	15	7
000238	SMN 108	601.54	8327.09	36	8	76	0.1	70	8
000239	SMN 109	601.54	8327.31	24	9	67	0.1	5	2
000240	SMN 110	601.63	8327.48	42	15	91	0.1	53	3
000241	SMN 111	601.75	8327.66	19	13	58	0.1	1	4
000242	SMN 112	601.81	8327.89	32	15	65	0.1	2	3
000243	SMN 113	601.84	8328.07	30	14	65	0.1	2	5
000244	SMN 114	601.97	8328.24	24	14	106	0.1	11	2
000245	SMN 115	601.94	8328.43	34	13	123	0.1	9	4
000246	SMN 116	601.83	8328.60	11	11	32	0.1	1	4
000247	SMN 117	601.47	8329.04	28	23	90	0.1	4	3
000248	SMN 001	679.35	8327.70	20	32	110	0.4	24	16
000249	SMN 002	679.39	8327.87	32	33	174	0.1	14	4
000250	SMN 003	679.33	8328.01	28	25	102	0.1	3	2
000251	SMN 004	679.32	8328.22	40	50	165	0.7	25	13
000252	SMN 005	679.33	8328.38	26	28	77	0.4	11	11
000253	SMN 006	679.44	8328.57	86	450	228	0.8	17	12
000254	SMN 007	679.38	8328.71	39	23	96	0.1	9	19
000255	SMN 008	679.39	8328.92	47	36	94	0.9	11	44
000256	SMN 009	679.45	8329.10	44	25	70	0.4	10	14
000257	SMN 010	679.49	8329.32	34	35	101	0.9	11	27
000258	SMN 011	679.40	8329.43	50	32	82	0.3	5	4
000259	SMN 012	679.33	8329.50	36	590	122	0.1	5	1
000260	SMN 013	679.28	8329.48	56	12	146	0.1	22	13
000261	SMN 014	679.30	8329.62	10	16	66	0.1	4	4
000262	SMN 015	679.24	8329.84	44	12	58	0.1	19	2
000263	SMN 016	600.05	8332.89	34	14	65	0.1	6	4
000264	SMN 017	679.90	8332.82	12	13	21	0.1	1	1
000265	SMN 018	679.74	8332.71	46	16	68	0.1	5	6
000266	SMN 019	679.58	8332.56	32	19	22	0.1	6	1
000267	SMN 020	679.63	8332.36	74	15	90	0.2	5	9
000268	SMN 021	679.74	8332.20	48	16	73	0.6	5	15
000269	SMN 022	679.80	8332.01	58	17	83	0.1	4	9
000270	SMN 023	679.88	8331.88	30	16	56	0.1	4	6
000271	SMN 024	679.96	8331.65	26	18	68	0.1	5	5
000272	SMN 025	680.50	8331.48	16	10	44	0.1	5	3
000273	SMN 026	680.08	8331.26	16	12	34	0.1	1	2
000274	SMN 027	680.10	8331.16	530	5050	960	72.0	340	1450
000275	SMN 028	680.11	8331.09	210	2050	480	100.0	2500	2420
000276	SMN 029	680.11	8331.00	124	450	680	85.0	420	490
000277	SMN 030	680.65	8329.99	20	18	45	0.1	5	1
000278	SMN 031	680.82	8330.05	29	20	67	0.1	7	6
000279	SMN 032	681.00	8330.23	30	16	67	0.1	9	4
000280	SMN 033	681.12	8330.39	28	12	54	0.1	11	1
000281	SMN 034	681.20	8330.60	16	18	40	0.1	53	3
000282	SMN 035	681.28	8330.84	20	15	58	0.1	7	8
000283	SMN 036	681.20	8331.01	23	21	100	0.1	22	8
000284	SMN 037	681.12	8331.19	14	15	53	0.1	6	3
000285	SMN 038	681.10	8331.36	10	22	40	0.1	71	5
000286	SMN 039	681.06	8331.55	40	19	83	0.3	14	8
000287	SMN 040	680.95	8331.67	28	30	82	0.9	25	16
000288	SMN 041	680.93	8331.85	48	20	98	5.9	10	122
000289	SMN 042	680.94	8331.97	29	18	67	0.8	9	10
000290	SMN 043	680.89	8332.20	30	18	62	0.1	9	6
000291	SMN 044	680.90	8332.45	34	22	110	0.5	7	12
000292	SMN 045	680.65	8332.40	62	24	100	0.2	15	14
000293	SMN 046	680.92	8331.50	36	24	56	0.4	15	22
000294	SMN 047	680.71	8331.48	42	19	85	0.9	32	13
000295	SMN 048	680.57	8331.50	48	20	93	2.6	53	20
000296	SMN 049	680.44	8331.51	20	26	85	0.6	17	5
000297	SMN 050	680.38	8331.32	32	13	110	0.9	14	8
000298	SMN 051	680.31	8331.15	26	11	81	2.7	3	5
000299	SMN 052	679.89	8326.15	70	8	164	0.6	22	3
000300	SMN 053	680.00	8328.00	21	13	53	0.4	3	9
000301	SMN 054	680.02	8325.84	82	11	83	0.3	110	11
000302	SMN 055	680.14	8325.60	28	9	53	0.1	4	3
000303	SMN 056	680.32	8325.70	36	23	91	0.1	19	15
000304	SMN 057	680.56	8325.60	38	15	100	0.1	9	9
000305	SMN 058	680.73	8325.50	22	10	54	0.1	1	3
000306	SMN 059	680.95	8325.39	26	8	65	0.1	1	4
000307	SMN 060	681.10	8325.60	36	11	72	0.1	3	5
000308	SMN 061	681.27	8325.45	30	9	74	0.1	3	5
000309	SMN 062	681.41	8325.67	32	8	79	0.1	1	2
000310	SMN 063	681.59	8325.91	33	8	81	0.1	1	2
000311	SMN 064	685.11	8322.58	34	7	75	0.1	4	4
000312	SMN 065	685.22	8322.70	28	7	60	0.1	5	3
000313	SMN 066	685.24	8322.76	40	7	148	0.1	4	2
000314	SMN 067	685.38	8322.89	33	5	158	0.1	32	4
000315	SMN 068	685.50	8323.12	34	10	115	0.6	22	78
000316	SMN 069	685.68	8323.24	28	13	100	3.9	43	1190
000317	SMN 070	685.66	8323.31	42	12	145	5.8	53	4930
000318	SMN 071	685.77	8323.29	32	11	99	0.4	23	19
000319	SMN 072	685.82	8323.53	26	6	75	0.1	1	4
000320	SMN 073	685.93	8323.74	42	7	85	0.1	4	3
000321	SMN 074	685.92	8323.95	22	12	135	0.1	6	7
000322	SMN 075	685.83	8324.10	14	10	38	0.1	4	5
000323	SMN 076	685.84	8324.28	12	11	30	0.1	3	3
000324	SMN 077	686.32	8324.72	34	12	81	0.1	3	2

Serial No.	Sample No.	Co-ordinates		Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au ppb
		X	Y						
000325	SMN 070	606.06	8324.70	29	13	93	0.2	2	3
000326	SMN 079	603.03	8323.42	22	10	47	0.1	10	8
000327	SMN 080	602.71	8323.45	11	1	22	0.1	1	<1
000328	SMN 081	602.07	8323.64	26	4	78	0.1	3	3
000329	SMN 082	602.66	8323.77	25	10	66	0.1	1	<1
000330	SMN 083	602.40	8323.70	30	21	70	0.1	14	8
000331	SMN 084	602.22	8323.61	22	32	68	0.2	51	5
000332	SMN 085	602.21	8323.83	34	12	71	0.1	7	4
000333	SMN 086	602.05	8323.96	41	16	82	0.1	1	7
000334	SMN 087	601.95	8324.16	38	18	81	0.1	22	5
000335	SMN 088	602.12	8324.19	34	19	103	0.2	11	4
000336	SMN 089	602.33	8324.23	32	14	87	0.1	7	3
000337	SMN 090	602.62	8324.27	22	13	65	0.1	1	<1
000338	SMN 091	602.86	8324.36	27	17	100	0.1	3	7
000339	SMN 092	603.02	8324.54	26	10	70	0.1	3	3
000340	SMN 093	603.13	8324.73	20	22	58	0.1	4	12
000341	SMN 094	603.10	8324.73	23	10	62	0.1	4	3
000342	SMN 095	602.80	8324.85	26	18	24	0.1	5	2
000343	SMN 096	602.60	8324.99	22	19	68	0.1	1	2
000344	SMN 097	602.55	8324.77	15	14	37	0.1	1	<1
000345	SMN 098	602.38	8324.62	33	13	60	0.1	3	4
000346	SMN 099	602.20	8324.49	22	13	52	0.1	1	<1
000347	SMN 100	602.06	8324.38	22	22	56	0.1	4	5
000348	SMN 101	601.74	8324.17	20	6	75	0.1	43	<1
000349	SMN 102	601.60	8324.09	21	21	86	0.1	4	6
000350	SMN 103	601.78	8323.95	16	11	63	0.2	1	4
000351	SMN 104	601.93	8320.70	38	12	77	0.2	27	5
000352	SMN 105	601.84	8328.92	40	9	100	0.1	14	4
000353	SMN 106	601.59	8329.14	32	20	100	0.1	6	10
000354	SMN 107	601.55	8329.39	36	25	120	0.2	22	29
000355	SMN 108	601.56	8329.60	40	18	97	0.2	23	4
000356	SMN 109	601.47	8329.78	44	6	80	0.1	1	3
000357	SMN 110	601.39	8329.92	34	16	75	0.2	24	5
000358	SMN 111	601.33	8330.17	25	19	65	0.1	35	7
000359	SMN 112	601.32	8330.41	33	16	65	0.1	14	32
000360	SMN 113	601.54	8330.67	26	17	80	0.1	7	4
000361	SMN 114	600.89	8330.68	16	24	60	0.1	16	2
000362	SMN 115	600.54	8330.56	29	15	65	0.3	9	8
000363	SMR 001	679.48	8327.52	50	34	103	0.9	45	10
000364	SMR 002	679.13	8327.45	22	13	56	0.1	2	3
000365	SMR 003	678.99	8327.44	45	38	93	0.9	27	15
000366	SMR 004	678.85	8327.44	22	10	56	0.1	9	5
000367	SMR 005	678.76	8327.45	35	17	127	0.2	7	6
000368	SMR 006	678.51	8327.13	39	16	81	0.1	6	7
000369	SMR 007	678.64	8327.19	26	13	91	0.1	12	2
000370	SMR 008	678.94	8327.03	26	15	78	0.1	7	1
000371	SMR 009	679.81	8326.47	74	45	140	0.8	9	6
000372	SMR 010	679.98	8326.43	32	15	68	0.1	30	3
000373	SMR 011	680.11	8326.48	19	8	77	0.1	27	2
000374	SMR 012	680.26	8326.55	32	8	60	0.1	9	4
000375	SMR 013	680.43	8326.67	20	1	42	0.2	1	2
000376	SMR 014	680.57	8326.72	49	7	75	0.1	4	<1
000377	SMR 015	676.14	8330.49	19	12	65	0.1	4	<1
000378	SMR 016	676.02	8330.60	20	8	58	0.1	5	<1
000379	SMR 017	676.21	8330.99	22	9	62	0.1	2	<1
000380	SMR 018	676.16	8331.38	20	8	54	0.1	6	1
000381	SMR 019	675.94	8331.50	22	9	61	0.1	6	<1
000382	SMR 020	675.81	8331.67	19	8	61	0.1	5	<1
000383	SMR 021	676.02	8332.07	24	11	66	0.1	5	<1
000384	SMR 022	676.15	8332.10	24	11	55	0.1	10	4
000385	SMR 023	676.32	8332.27	17	9	54	0.1	1	<1
000386	SMR 024	676.54	8332.28	24	10	64	0.1	5	1
000387	SMR 025	676.80	8332.28	23	9	61	0.1	2	<1
000388	SMR 026	676.87	8332.47	25	14	72	0.1	3	3
000389	SMR 027	676.93	8332.86	26	14	67	0.1	3	2
000390	SMR 028	676.98	8331.80	19	15	62	0.1	3	1
000391	SMR 029	676.97	8331.58	20	10	55	0.1	2	1
000392	SMR 030	676.88	8331.32	20	9	48	0.1	2	1
000393	SMR 031	676.68	8331.11	26	12	75	0.1	3	<1
000394	SMR 032	676.82	8330.80	22	11	54	0.2	6	2
000395	SMR 033	606.99	8323.14	14	10	36	0.1	3	<1
000396	SMR 034	606.74	8322.94	9	7	29	0.1	1	2
000397	SMR 035	606.70	8322.69	36	1	86	0.1	1	<1
000398	SMR 036	606.82	8322.44	80	1	136	0.7	1	2
000399	SMR 037	606.68	8322.25	16	5	82	0.1	5	3
000400	SMR 038	606.58	8322.02	32	6	81	0.1	2	1
000401	SMR 039	606.44	8321.89	34	5	71	0.1	1	<1
000402	SMR 040	606.50	8322.14	21	8	71	0.1	3	4
000403	SMR 041	606.39	8322.21	21	9	65	0.1	5	130
000404	SMR 042	606.20	8322.44	22	10	70	0.1	3	4
000405	SMR 043	606.00	8322.61	25	10	90	0.1	2	41
000406	SMR 044	604.00	8323.58	29	5	87	0.1	5	7
000407	SMR 045	604.18	8323.64	24	1	47	0.1	1	<1
000408	SMR 046	604.40	8323.77	28	6	70	0.1	9	9
000409	SMR 047	604.60	8323.88	38	10	58	0.1	7	4
000410	SMR 048	604.79	8323.98	25	11	73	0.1	4	3
000411	SMR 049	604.93	8324.11	21	12	59	0.1	2	2
000412	SMR 050	604.70	8324.22	40	12	83	0.1	4	9
000413	SMR 051	604.60	8324.21	34	11	84	0.1	10	2
000414	SMR 052	604.40	8324.08	48	17	74	0.3	10	20
000415	SMR 053	604.19	8323.98	20	17	160	0.1	11	3
000416	SMR 054	603.99	8323.90	23	16	110	0.1	14	3
000417	SMR 055	603.83	8323.61	21	8	68	0.3	11	65
000418	SMR 056	603.23	8323.49	19	12	43	0.1	5	4
000419	SMR 057	602.93	8323.38	25	7	35	0.2	10	7
000420	SMR 058	602.68	8323.53	28	12	68	0.1	6	3
000421	SMR 059	602.42	8323.51	29	16	77	0.3	24	6
000422	SMR 060	602.21	8323.39	20	22	70	0.6	32	15
000423	SMR 061	602.01	8323.23	14	8	71	0.1	7	1
000424	SMR 062	601.99	8323.46	16	1	45	0.2	1	8
000425	SMR 063	601.89	8323.78	30	13	65	0.1	7	1
000426	SMR 064	601.59	8323.69	33	13	63	0.1	10	5
000427	SMR 065	601.48	8323.49	30	12	75	0.1	6	9
000428	SMR 066	601.25	8323.53	26	11	57	0.1	9	3
000429	SMR 067	601.52	8324.22	28	12	49	0.1	4	3
000430	SMR 068	601.65	8324.40	30	15	83	0.1	4	9
000431	SMR 069	601.69	8324.59	32	22	78	0.1	7	2
000432	SMR 070	601.79	8324.78	31	18	52	0.2	1	8

Serial No.	Sample No.	Co-ordinates		Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au ppb
		X	Y						
000433	SMR 071	681.93	8324.99	20	15	56	0.1	7	2
000434	SMR 072	681.94	8325.15	26	9	55	0.2	4	2
000435	SMR 073	681.91	8325.33	22	11	60	0.1	2	1
000436	SMR 074	681.87	8325.39	26	13	56	0.1	3	4
000437	SMR 075	681.73	8325.88	29	12	88	0.1	3	1
000438	SMR 076	681.80	8326.14	29	13	73	0.1	11	1
000439	SMR 077	681.68	8326.37	14	12	60	0.1	10	2
000440	SMR 078	681.73	8326.56	30	55	96	0.1	3	5
000441	SMR 079	681.76	8326.78	22	16	54	0.1	3	2
000442	SMW 001	678.00	8324.49	14	7	44	0.1	2	5
000443	SMW 002	677.84	8324.65	32	42	103	0.2	19	8
000444	SMW 003	677.76	8324.82	22	21	72	0.1	16	4
000445	SMW 004	677.65	8325.00	15	9	77	0.1	22	4
000446	SMW 005	677.51	8325.16	19	10	79	0.1	17	4
000447	SMW 006	677.61	8325.41	23	15	65	0.1	11	5
000448	SMW 007	677.68	8325.25	18	10	65	0.1	9	3
000449	SMW 008	677.76	8325.49	20	9	69	0.1	11	4
000450	SMW 009	677.79	8325.64	18	5	56	0.1	11	6
000451	SMW 010	677.86	8325.83	38	68	108	0.1	7	7
000452	SMW 011	678.03	8325.96	40	21	108	0.1	1	4
000453	SMW 012	678.16	8326.01	38	29	106	0.2	6	7
000454	SMW 013	678.32	8326.09	30	15	83	0.1	4	2
000455	SMW 014	678.35	8326.18	36	17	75	0.1	4	3
000456	SMW 015	678.33	8326.41	40	51	132	0.1	2	5
000457	SMW 016	678.54	8326.61	86	36	152	0.1	5	5
000458	SMW 017	678.66	8326.42	46	19	110	0.1	4	9
000459	SMW 018	678.84	8326.29	50	65	51	0.7	14	13
000460	SMW 019	678.49	8323.02	21	12	53	0.2	2	1
000461	SMW 020	678.35	8323.15	22	14	62	0.1	3	5
000462	SMW 021	678.48	8323.33	18	5	58	0.1	55	6
000463	SMW 022	678.48	8323.37	32	10	61	0.1	6	4
000464	SMW 023	678.56	8323.44	19	9	80	0.1	2	1
000465	SMW 024	678.63	8323.54	29	9	82	0.1	4	3
000466	SMW 025	678.27	8323.70	24	8	58	0.1	3	2
000467	SMW 026	678.20	8324.03	25	7	64	0.2	5	2
000468	SMW 027	678.26	8324.14	20	7	82	0.1	3	1
000469	SMW 028	678.20	8324.28	34	12	57	0.1	4	4
000470	SMW 029	678.03	8324.38	22	14	64	0.1	4	4
000471	SMW 030	678.48	8324.20	14	9	28	0.1	11	1
000472	SMW 031	678.58	8323.95	24	10	66	0.1	12	1
000473	SMW 032	678.21	8330.54	20	10	73	0.1	14	1
000474	SMW 033	678.25	8330.43	23	13	78	0.1	3	2
000475	SMW 034	678.19	8330.34	21	8	58	0.1	10	1
000476	SMW 035	678.12	8330.21	22	9	57	0.1	6	1
000477	SMW 036	678.11	8330.08	18	10	55	0.1	9	1
000478	SMW 037	678.09	8329.75	28	10	63	0.1	6	1
000479	SMW 038	678.09	8329.47	20	10	68	0.1	9	1
000480	SMW 039	678.38	8329.42	20	7	54	0.1	4	1
000481	SMW 040	678.63	8329.52	30	13	83	0.1	9	1
000482	SMW 041	678.70	8329.72	22	11	64	0.1	7	4
000483	SMW 042	678.70	8330.05	24	10	64	0.1	10	2
000484	SMW 043	678.54	8330.81	25	10	51	0.1	10	1
000485	SMW 044	678.73	8330.61	24	14	67	0.1	7	1
000486	SMW 045	678.91	8330.35	22	8	52	0.1	3	1
000487	SMW 046	677.03	8330.17	16	10	39	0.1	4	2
000488	SMW 047	677.41	8330.27	17	7	34	0.2	4	1
000489	SMW 048	677.65	8330.27	18	9	38	0.1	4	1
000490	SMW 049	677.36	8330.16	16	8	41	0.1	3	4
000491	SMW 050	677.49	8330.20	16	11	41	0.1	4	1
000492	SMW 051	677.66	8330.28	20	11	48	0.1	4	1
000493	SMW 052	677.61	8330.15	21	16	62	0.1	10	2
000494	SMW 053	677.53	8330.00	14	8	39	0.1	3	2
000495	SMW 054	677.71	8330.04	14	9	48	0.1	3	2
000496	SMW 055	677.92	8330.18	24	13	70	0.1	6	2
000497	SMW 056	677.99	8330.08	26	12	61	0.1	4	2
000498	SMW 057	678.07	8329.97	20	7	54	0.1	1	2
000499	SMW 058	678.24	8329.86	36	4	86	0.1	2	2
000500	SMW 059	678.30	8330.05	16	12	47	0.1	4	3
000501	SMW 060	678.43	8330.09	22	13	45	0.1	6	2
000502	SMW 061	678.62	8330.01	14	13	24	0.1	6	1
000503	SMW 062	678.70	8330.13	30	11	20	0.1	7	3
000504	SMW 063	678.68	8330.41	50	12	69	0.1	19	5
000505	SMW 064	678.80	8330.50	33	12	63	0.1	14	4
000506	SMW 065	678.90	8330.51	15	8	55	0.1	5	4
000507	SMW 066	679.19	8330.33	22	10	65	0.1	9	5
000508	SMW 067	679.33	8330.23	18	12	56	0.1	7	2
000509	SMW 068	686.12	8323.09	32	8	68	2.3	11	639
000510	SMW 069	686.15	8323.36	40	5	55	0.1	6	24
000511	SMW 070	686.05	8323.56	16	16	47	0.1	3	1
000512	SMW 071	686.28	8323.51	19	13	63	0.2	4	2
000513	SMW 072	686.46	8323.74	26	13	71	0.1	9	1
000514	SMW 073	686.57	8323.90	17	11	46	0.1	11	1
000515	SMW 074	686.63	8324.10	28	15	72	0.1	10	2
000516	SMW 075	686.83	8324.26	25	12	65	0.1	12	4
000517	SMW 076	686.98	8324.49	22	11	66	0.1	9	1
000518	SMW 077	686.96	8324.75	30	13	79	0.1	12	3
000519	SMW 078	686.63	8324.49	26	12	75	0.1	5	1
000520	SMW 079	686.53	8324.76	27	15	85	0.1	10	3
000521	SMW 080	686.42	8324.92	46	16	96	0.1	11	5
000522	SMW 081	686.21	8324.98	34	15	94	0.1	7	16
000523	SMW 082	686.10	8324.70	12	13	45	0.1	2	4
000524	SMW 083	686.20	8324.45	20	12	68	0.1	5	6
000525	SMW 084	686.29	8324.20	20	11	60	0.1	12	4
000526	SMW 085	686.32	8323.98	21	17	50	0.1	6	22
000527	SMW 086	686.06	8323.85	22	10	70	0.1	6	4
000528	SMW 087	683.56	8322.07	40	52	68	1.8	30	977
000529	SMW 088	683.50	8321.83	62	31	173	0.1	19	123
000530	SMW 089	683.60	8321.64	18	8	53	0.1	4	5
000531	SMW 090	683.50	8321.46	30	30	84	0.1	24	34
000532	SMW 091	683.50	8321.17	13	16	30	0.6	140	23
000533	SMW 092	683.42	8321.03	22	13	57	0.1	9	4
000534	SMW 093	683.18	8321.07	46	29	90	0.1	11	16
000535	SMW 094	683.21	8321.41	60	10000	73	100.0	170	117
000536	SMW 095	683.08	8321.57	40	1000	52	6.9	120	25
000537	SMW 096	683.13	8321.84	50	10000	58	100.0	10000	3260
000538	SMW 097	683.39	8322.01	38	140	62	7.8	220	29
000539	SMW 098	683.34	8322.17	38	26	95	0.2	17	7
000540	SMW 099	683.42	8322.51	38	26	95	0.2	17	7

Serial No.	Sample No.	Co-ordinates		Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au ppb
		X	Y						
000541	SMV 100	683.61	8323.64	24	21	66	0.2	14	9
000542	SMV 101	683.54	8324.05	22	13	66	0.1	6	4
000543	SMV 102	683.60	8324.02	24	3	38	0.1	1	8
000544	SMV 103	683.52	8324.25	17	40	78	0.1	7	4
000545	SMV 104	683.49	8324.67	30	14	93	0.1	9	5
000546	SMV 105	683.26	8324.22	27	17	69	0.1	6	4
000547	SMV 106	683.08	8324.01	30	15	76	0.1	7	2
000548	SMZ 001	677.44	8323.01	10	6	48	0.1	3	9
000549	SMZ 002	677.15	8323.11	14	11	65	0.3	6	159
000550	SMZ 003	677.04	8323.20	18	8	66	0.1	4	5
000551	SMZ 004	677.00	8323.45	18	5	65	0.1	3	11
000552	SMZ 005	677.10	8323.39	18	10	54	0.1	4	11
000553	SMZ 006	677.14	8323.79	32	17	86	0.1	11	2
000554	SMZ 007	677.30	8323.95	20	20	68	0.1	9	3
000555	SMZ 008	677.46	8324.09	38	12	82	0.1	23	3
000556	SMZ 009	677.64	8324.22	22	12	72	0.1	10	3
000557	SMZ 010	678.10	8324.23	37	32	96	0.2	14	6
000558	SMZ 011	678.27	8324.25	19	15	68	0.1	10	2
000559	SMZ 012	677.85	8324.09	14	6	65	0.2	4	3
000560	SMZ 013	677.68	8323.95	22	12	59	0.2	11	11
000561	SMZ 014	677.55	8323.76	20	9	47	0.1	6	9
000562	SMZ 015	677.40	8323.51	21	11	67	0.2	5	8
000563	SMZ 016	677.49	8323.41	12	2	46	0.2	3	4
000564	SMZ 017	676.57	8322.75	14	3	57	0.1	4	2
000565	SMZ 018	676.71	8323.60	24	9	49	0.1	15	11
000566	SMZ 019	676.79	8323.78	20	9	55	0.1	3	3
000567	SMZ 020	676.86	8323.97	18	10	52	0.1	5	11
000568	SMZ 021	676.85	8324.15	22	9	90	0.1	5	11
000569	SMZ 022	677.02	8324.26	24	9	50	0.1	9	1
000570	SMZ 023	677.20	8324.27	29	7	47	0.1	7	1
000571	SMZ 024	677.32	8324.44	29	10	54	0.1	7	5
000572	SMZ 025	677.24	8324.61	8	2	35	0.1	1	2
000573	SMZ 026	677.06	8324.71	16	5	54	0.1	2	2
000574	SMZ 027	676.90	8324.80	22	10	61	0.1	10	1
000575	SMZ 028	676.86	8325.00	23	10	62	0.1	6	4
000576	SMZ 029	676.94	8325.04	18	17	47	0.1	6	11
000577	SMZ 030	677.10	8324.92	16	7	47	0.1	14	6
000578	SMZ 031	677.29	8324.80	26	6	94	0.1	1	11
000579	SMZ 032	677.47	8324.88	22	78	67	0.3	11	6
000580	SMZ 033	680.13	8320.49	23	28	67	0.2	17	14
000581	SMZ 034	680.33	8320.35	28	22	92	0.3	11	13
000582	SMZ 035	680.55	8320.42	24	17	66	0.2	15	3
000583	SMZ 036	680.76	8320.20	20	11	41	0.2	11	11
000584	SMZ 037	679.69	8326.88	33	12	73	0.1	7	3
000585	SMZ 038	679.70	8326.68	32	8	63	0.1	9	1
000586	SMZ 039	679.74	8326.46	25	11	84	0.1	5	3
000587	SMZ 040	679.76	8326.21	14	7	40	0.1	6	11
000588	SMZ 041	679.52	8326.27	32	25	134	0.9	11	153
000589	SMZ 042	679.86	8325.42	20	7	48	0.1	5	3
000590	SMZ 043	680.18	8324.53	39	14	92	4.4	790	367
000591	SMZ 044	680.25	8324.69	28	10	74	0.1	36	11
000592	SMZ 045	680.47	8324.79	32	10	69	0.1	16	1
000593	SMZ 046	680.68	8324.83	23	11	60	0.1	4	9
000594	SMZ 047	680.91	8324.82	22	9	74	0.1	1	2
000595	SMZ 048	681.20	8324.75	30	12	78	0.1	3	6
000596	SMZ 049	681.46	8324.71	34	12	66	0.1	6	14
000597	SMZ 050	681.76	8324.70	31	10	85	0.1	5	8
000598	SMZ 051	681.95	8324.65	32	11	80	0.1	4	4
000599	SMZ 052	683.74	8323.33	30	7	82	0.1	5	13
000600	SMZ 053	683.82	8323.15	60	27	105	0.1	36	10
000601	SMZ 054	683.75	8322.90	64	64	175	0.3	11	29
000602	SMZ 055	683.67	8322.73	570	6	89	0.3	7	6
000603	SMZ 056	683.72	8322.52	66	5	70	0.1	7	11
000604	SMZ 057	683.77	8322.35	58	27	105	0.1	7	6
000605	SMZ 058	683.74	8322.17	48	14	80	0.1	15	7
000606	SMZ 059	683.65	8321.98	51	11	80	0.1	9	7
000607	SMZ 060	683.76	8321.88	38	10	65	0.1	10	10
000608	SMZ 061	683.93	8321.72	32	6	81	0.1	10	3
000609	SMZ 062	684.10	8321.77	33	142	240	1.3	70	20
000610	SMZ 063	684.28	8321.62	31	40	205	0.1	29	8
000611	SMZ 064	684.47	8321.48	29	22	71	0.1	11	7
000612	SMZ 065	684.76	8321.36	35	15	78	0.1	10	3
000613	SMZ 066	685.12	8321.01	22	4	88	0.1	1	11
000614	SMZ 067	685.15	8321.17	27	13	30	0.1	12	7
000615	SMZ 068	685.10	8321.46	43	8	76	0.1	4	5
000616	SMZ 069	685.02	8321.72	27	8	44	0.1	10	11
000617	SMZ 070	684.80	8321.87	20	8	30	0.1	7	8
000618	SMZ 071	684.80	8322.05	26	23	48	0.2	17	8
000619	SMZ 072	684.77	8322.20	23	13	33	0.2	12	8
000620	SMZ 073	684.71	8322.35	15	14	14	0.1	6	11