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# **PHOTOGRAPHS**

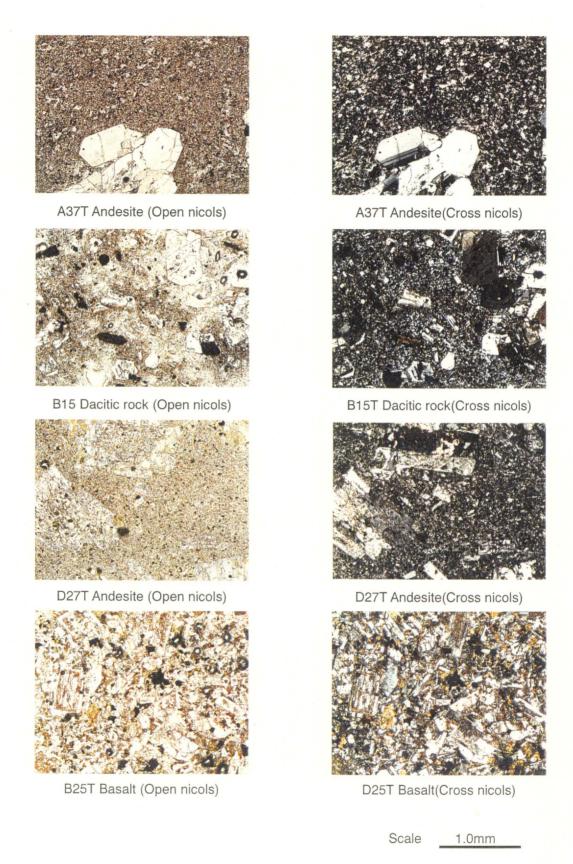
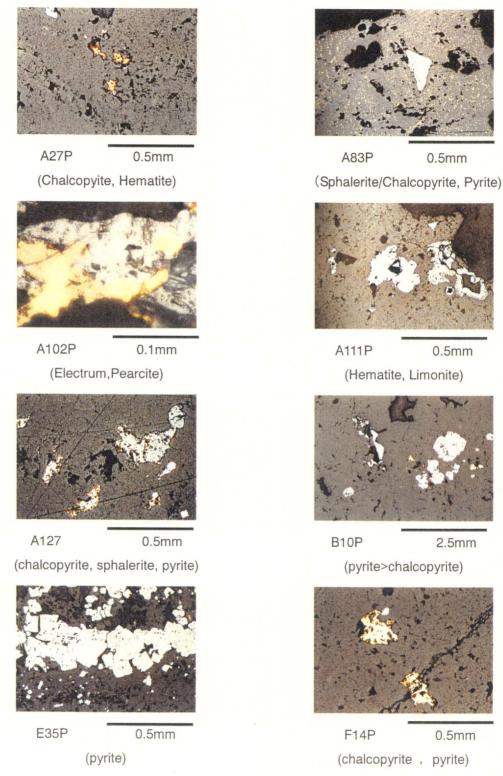


Photo 1 Micrographs of Thin Sections



Note: all photographs are taken by open nicols

Photo 2 Micrographs of Polished Sections



(1) Survey Area, South of Ponorogo



(2) Survey Area, Kali Panggul



(3) Road in the Southern Part of the Survey Area



(4) Main Road between Ponorogo and Pacitan



(5) A Branch of Kali Melikan



(6) Alteration Zone along Kali. Pule

Photo 3 Geological and Geochemical Survey (1)



(7) Stream Sediments Sampling near Pule



(8) Stream Sediments Sampling near Wonocoyo



(9) Small Sacle Mining near Kebonsari



(10) Trench at Wonogiri



(11) Field Inspection near Kali Lorog



(12) Discussion on the Field Survey Results at DMRI Office

Photo 4 Geological and Geochemical Survey

# **APPENDIX**

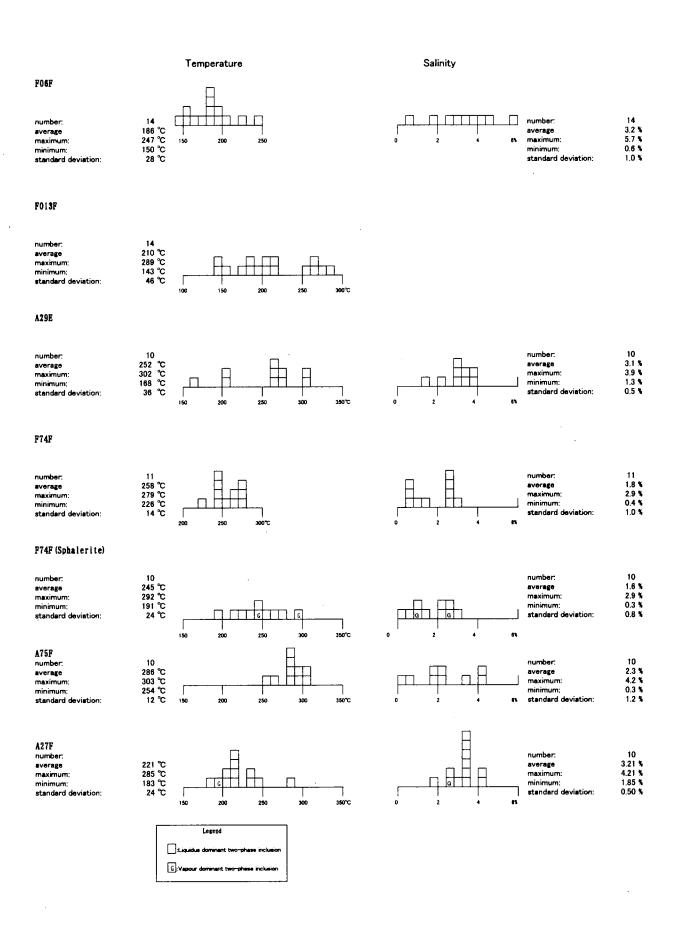


Fig. A-1 Histogram of Homogenization Temperatures and Salinities of Fluid Inclusions

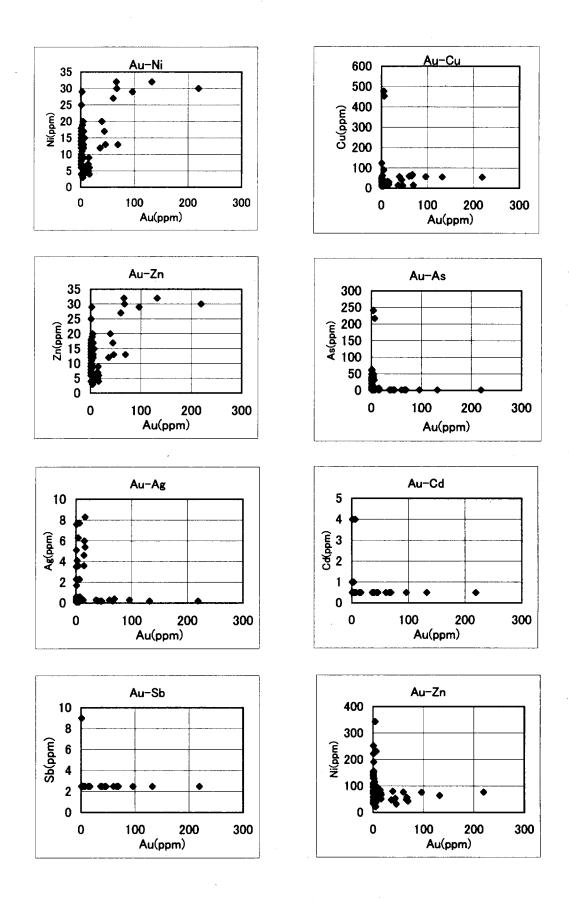


Fig. A-2 Correlations between Elements of Geochemical Samples (1/2)

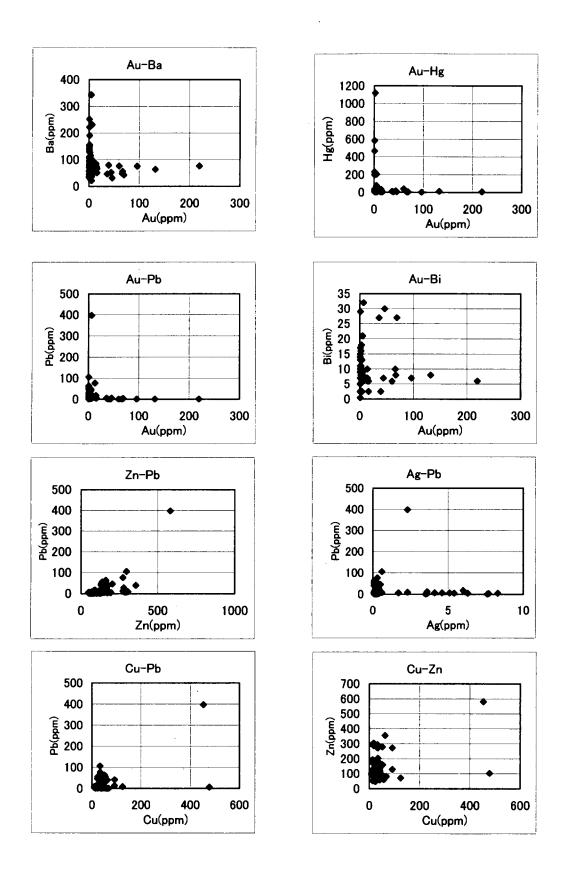


Fig. A-2 Correlations between Elements of Geochemical Samples (2/2)

Table A-1 Results of Microscopic Observation of Thin Sections

	Location		I	<b>T</b> .	Г					F	hen	ocry	st or	fragm	ent						Alte	rati	on M	liner	al			$\neg$
Sample No.	UTM (E)	UTM (N)	Rock name	Texture	ol	срх	орх	pl	ор		bio	kf	qz	zr		glass	Lithic fragment	qz	leu	ser	kao	chl	cal	sm	ер	zeo	pl	pre
A02T	531,148	9.108.715	Dacite	porphyritic				Δ	·		×		0					0		Δ		•		•				
A14T	536.385	9.106.208	Altered Andesite	porphyritic				0	Δ	•?					×			0		•		$\overline{\Delta}$	0					
A17T	540.020	9.107.548	Olivine basalt	porphyritic	$\overline{}$	•		O	•													•	·	×				$\Box$
A23T	538,800	9.105.375	Andesitic-basaltic tuff(?)	clastic				0	Δ									0		Δ		0			Δ		$\Box$	$\Box$
A25T	537.500	9.103.600	Dacite	porphyritic	П			0	×			Δ	0												$\overline{}$			$\neg$
A32T	535,161	9,095,442	Dacitic tuff	clastic					Δ			Ī	0					0							•		$\Box$	$\neg \neg$
A37T	568,000		Two pyroxene andesite	pilotaxitic		0	0	0	•		×				×			Δ				×			•			
A39T	564,148	9,108,167	Basalt	porphyritic		Q	•	0	•				•					0		•		•	·		$[\cdot]$			
A49T	542,605	9,108,680	Hornblende andesite	porphyritic				0	•	Δ	•		Δ		×							•						
A54T	560,084	9,093,389	Pyroxene andesite	porphyritic		Δ		0			×				×							•	×		×			
A57T	555,048	9,098,005	Diorite	equigranular		Δ		0	•	Δ			•		×							•			×			
A63T	557,067	9,098,964	Diorite	equigranular		Δ		0	$\Box$	0					×							Δ						
A67T	539,523	9,098,778	Andesite-dacite	aphyric				0	•		$\Box$		Δ		×							Δ			$\lfloor \cdot  floor$			
A109T	507,046	9,122,272	Basalt	-(amygdaloidal)				(3)					•		х	Δ?		Q		•	·	Q	Δ			0		
A115T	538,482	9,090,478	Andesite	intergranular		Δ?	Δ?	0		Δ					х			Q				Δ						
B02T	532,995	9,116,078	Andesite	intergranular		0		0	•						×	Δ?						•		•				
B03T	535,219	9,113,310	Dacitic tuff	clastic,welded		•?		0					Δ			0	Δ					•						
B04T	535,230	9,114,384	Andesite	intergranular		0		0							х	Δ?						•		•				
B05T	540,407	9,115,926	Tuffaceous sandstone	clastic				Q	$\lfloor \cdot \rfloor$		•	Δ	0		×					×				•				
B08T	567,606	9,118,668	Andesite	pilotaxitic		0		0							×			Δ				•		•	·			
B09T	566,079	9,119,446	Sandstone	clastic		Δ		0	Δ	• ?		Δ	0				•			:								
B14T	518,436	9,090,162	Andesite-dacite	intergranular				<b>©</b>	Δ	O?		•	O		×			Δ				Δ						
B15T	521,167	9,090,364	Andesite-dacite	intergranular				0	Δ	O?			•		×			Δ		•		•	×	×				
B17T	523,268	9,093,134	Andesite	intergranular				0		$\Delta$ ?					×			•				Δ	×	×				
B20T	547,550	9,095,946	Andesite	porphyritic		Δ?		Q?							×			Δ		•		Δ	Δ		•		×	
B22T	539,879	9,096,334	Porphyritic andesite	porphyritic				0							×							Δ	Δ	Ŀ			ĹΙ	
B24T	546,365	9,096,586	Dacite	-(silicified)				0?	Δ				Q?					0		0							$\square$	
B25T	546,775	9,096,232	Dacite	porphyritic				0				Δ	0		•					•								
C02T	569,025	9,082,925	Andesite	porphyritic		Δ		0							•			Ш		×			Δ	×				
C15T	542,147	9,094,884	Andesite	clastic		Δ		0					Δ									•	·			•		
C16T	542,995	9,095,252	Andesite	porphyritic				Q														0	Ŀ		Δ		0	
C23T	509,637	9,116,550	Pyroxene andesite	porphyritic		۵		0				•?			•					•		Δ	Ŀ		$\lfloor \cdot \rfloor$		oxdot	•
C25T	506,556	9,116,308	Andesitic tuff breccia	porphyritic				0	•			•				×?	0					•	Δ		$\lfloor \cdot \rfloor$		Ш	
C26T	508,281		Altered rock	–(silicified)				02	Δ	Δ?								0					0				Ш	
C28T	509,216		Andesite	porphyritic				0	•							Δ?		·				Δ			Δ			
D10T	561,185	9,107,208		porphyritic				0	•		Δ?		Q			•?	1					Δ				• ]	Ш	
DIIT	563,729	9,117,228		hyalopilitic				0	Ŀ							Δ		Δ					Δ				Ш	
D12T	546,585	9,102,560	Tuffaceous sandstone	clastic				0			]		0	×	×										$\cdot$		Ш	]
D16T	542,998		Porphyriy	equigranular				0	Ŀ		•?	Δ	Δ				l	Ш		•			·	L	Ш	]	Ш	
D25T	543,536	9,091,066	Andesite-basaltic andesit	porphyritic		Δ		Ø	$\cdot$							•?		l		•		Q		Δ			Ш	

Table A-1 Results of Microscopic Observation of Thin Sections

	Location		Rock name	Texture							Phen	ocry:	st or	fragm	ent						Alt	erati	on M	liner	al			$\neg$
Sample No.	UTM (E)	UTM (N)	Nock Hallie	rexture	ol	срх	орх	ρl	ОР	hb	bio	kf	qz	zr	ар	glass	Lithic fragment	qz	leu	ser	kao	chl	cal	sm	ер	zeo	pl p	re
D27T	543,609	9,090,444	Andesite	porphyritic				0	1.		• ?				L	-?		•				•	•	Δ			0	$\neg$
D28T	539,724	9,101,280	Dorelite	porphyritic		٩		0	Ţ :																•		Q	$\neg$
D30T	539,142	9,102,254	Fine granodiorite	equigranular				0		Δ		Δ	Q	×						×		•	×		•			$\overline{\cdot}$
D33T	541,067	9,101,002	Rhyolitic tuff breccia	clastic				0	Δ			Δ	0				0		×				0		•			$\Box$
E22T	536,596	9,096,116	Dacitic tuff	clastic				0	T			Δ	0				0	Δ		Δ			•	•			Δ	$\Box$
E23T	536,596	9,096,116	Dacitic tuff	clastic				0	•			Δ	O				0	0		Δ							Δ	
E29T	507,250	9,128,786	Hornblende andesite	hyalocrystalline				0	Δ	0			Δ			Δ								•	×			$\neg$
F06T	542,608	9,109,588	Basalt	hyalopilitic				0	$\top \cdot$							$\Delta$ ?		Q		Δ				Δ			$\Box$	
F16T	536,089	9,111,176	Tuffaceous sandstone	clastic				0	1.							Δ	<b>©</b>	0		0	0			•			$\Box$	
F25T	504,225	9,113,714	Pyroxene andesite	glomeroporphyritic		Δ		0	Ŀ			•	•		×	Δ							Δ	×				

ol:olivine, cpx:clino-pyroxene, opx:ortho-pyroxene, op:opaque mineral, hb:hornblende, bio:biotite kf:potash-feldspar, qz:quartz, ap:apatite, frag:fragment,leu:leucoxene, ser:sericite, kao:kaolin, cal:calcite, sm:smectite, ep:epidote chl:chlorite, zeo:zeolite, pl:plagioclase, pre:prehnite, ill: illite, zr: zircon
Amount:

Amount:

Table A-2 Results of Whole Rock Analysis

Element	SiO2	AI2O3	CaO	MgO	Na2O	K20	Fe2O3	MnO	TiO2	P2O5	Cr2O3	LOI	Sum			
Scheme Code	XRF100	UTM (E)	UTM (N)	Rock name												
Analysis Unit	%		%	%	%	%	%	%	%	%	%	%	%	OIM (E)	OTM (N)	nock name
Detection Limit	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01			
A14R	64.00	15.30	4.17		2.40		5.35			0.17	0.01	2.25	99.80	536385	9106208	welded tuff? -> dacitic
A25R	67.40						4.49				0.02	2.35	100.20	537500	9103600	quartz porphyry ? ->dacitic
A37R	51.70				2.75						<0.01		98.70			welded tuff ? -> rhyolitic
A39R	71.70				4.43						0.02		99.10	564148		andesitic volcanic breccia ->basaltic
A49R	62.60	17.40			3.79						<0.01	1.25	100.00	542605		coarse grained andesite->andedite
A54R	65.60	15.20			2.83						0.01	1.50	100.20	560084		quartz porphyry->dacitic
A57R	50.40	17.40									0.02		100.20	555048		microdiorite->dorelitic
A63R	50.20	16.00			2.54						0.02		100.00	557067	9098964	microdiorite->dorelitic
A67R	59.00	15.30			4.10						<0.01	1	99.10	539523		basalt->andesite
A115R	62.40	15.70				1.90		0.15			<0.01	2.80	100.10	538482		porphyry->andesitic
B15R	65.60	16.70				0.79					<0.01	1.05	100.10	521167		hornblend dacite; grey (intrusive rock)-> dacite
C15R	57.80	15.50			3.73						<0.01	5.10	100.20	542147		pale green pach andesite->andesite
C16R	49.10	17.70						0.32			<0.01	4.75	100.10	542995		microdiorite->dorelitic
D10R	69.10	14.10						0.05			<0.01	0.95	99.50	561185		andesite lava->dacitic
D11R	66.00	15.20			4.01						0.01	0.60	99.70	563729	9117228	andesite lava->dacitic
D25R	55.00	17.20			3.23			0.15			0.01	2.35	100.20	543536		basalt lava?->basitic andesite
D27R	64.30	15.90			4.72						<0.01		100.20	543609	9090444	andesite lava->dacite
D28R	48.10	18.70									<0.01		100.40	539724		dolerite dyke->trachytic basalt
D30R	61.70	16.10						0.24	0.73		<0.01	1.55	100.00	539142		fine diorite->andesite
E23R	76.80	12.90	0.21	1.31	2.57	1.57	2.07	0.08	0.23	0.03	0.03	2.45	100.20	536596	9096116	welded tuff (dacitic?)->rhyodacite

Table A-3 Results of Age Determination by K-Ar Method

Sample	UTM (E)	UTM (N)	Rock Name(Field mame -> Name based on whole rock	40Arrad(nl/g)	K(%)	40Arair(%)	Age(Ma)
A25D	537500	9103600	quartz porphyry ? ->dacitic	0.178	0.257	74.7	18.17 ± 1.7
A37D	568000	9108000	welded tuff ? -> rhyolitic	0.07	0.417	87.9	4.4 ± 1.1
A39D	564148	9108167	andesitic volcanic breccia −>basaltic	5.16	1.48	15.3	89.3 ± 2.5
A49D	542605	9108680	coarse grained andesite->andedite	0.105	0.07	72.1	38.7 ± 4.5
A63D	557067	9098964	microdiorite->dorelitic	0.096	0.11	91.5	22.8 ± 5.0
B15D	521167	9090364	hornblend dacite; grey (intrusive rock)-> dacite	0.174	0.942	69.0	4.8 ± 0.6
D10D	561185	9107208	andesite lava=>dacitic	1.01	1.54	37.1	17.1 ± 0.8
D25D	543536	9091066	basalt lava?->basltic andesite	0.504	0.761	55.6	17.3 ± 1.5
D27D	543609	9090444	andesite lava->dacite	0.461	0.407	70.7	29.4 ± 4.5
D28D	539724	9101280	dolerite dyke->trachytic basalt	1.37	1.71	34.2	20.9 ± 0.7

Table A-4 Results of X-ray Diffraction Analysis

	UTM (E)	UTM (N)	Rock name	qz	Kf	nI I	em lo	hl I	chl/sm	60	sa/sm	en l	kan	nvr	ia la	1 /	cal	ank	gyp	nv	di	hm	Tx
No. I	531.148	9,108,715		9	· ·	$\Delta$	3111	•	Crii/ Siii	•	30/ 3111	95	Kao	Py.	٩	<del>"  `</del>	Sai	aiik	BYP	7	GI.		× 3.06
A03X	531,148	9 108 715	ore (5cm quartz)	ø	$\dashv$		$\dashv$	$\dashv$	Δ	$\dashv$		Н			_	$\dashv$			$\vdash$		_		1.0.00
A05X	532,447		silicified rock	0	_		$\dashv$	- 1		Δ		Н			-					<u> </u>	t —		1
A07X	533,615		andesite dyke	ŏ	$\dashv$	0		ᠴᅥ		-		Н			$\rightarrow$	$\dashv$		.2	├──		†		
A12X	535,549		fault gouge (andesite-basalt lava)	0		Δ	$\dashv$	<del>-</del>				$\vdash$				-+			<del>                                     </del>	_	<del>                                     </del>	<del>                                     </del>	-3.07
A14X	536,385		welded tuff?	1	-	0	$\rightarrow$	$\dashv$		T i		$\vdash$			$\rightarrow$	$\dashv$			$\vdash$	<del> </del>	+		3.07
A18X	539,820		whitish argillic rock	Ø	$\dashv$	<u> </u>		+	<del>:</del>	- 1		$\vdash$	-		_	$\dashv$	<del>: 1</del>		├─		<del> </del>	<del> </del>	× 3.06
A20X	541,745		bleached andesite (pyrite)	0		<u></u>	-	. +	<del>-</del>	-		<del> </del>			-	$\dashv$			$\vdash$	<del>  .</del>	┼─		•3.07, × 2.796
		9,103,906	ore (pyrite zone 20cm)	0	$\dashv$	4		-+			Δ	Н			-	-			├─	×?	┼		13.07, ∧ 2.796
A21X				0		-+	$\dashv$	<del>o  </del>		.	Δ	H		-	$\rightarrow$	-			├	<u> </u>	┼─		
A23X	538,800		basalt-andesite		$\rightarrow$	<del></del> +		쒸								-+			<del> </del>		-	-	
A24X	537,825		whitish argillic rock (andesite, pyrite diss.)	0		台				$\overline{\cdot}$		Н	_	-	$\rightarrow$	-+			├	<del> </del>	<del> </del> -		
A28X	536,697		basaltic volcanic breccia	0	$\dashv$	윘	-+	4				Н		$\vdash$	$\rightarrow$	-+			-	×?	<del> </del>		
A31X	535,003		quartz porphyry (white)	0	•	O	-+			-		$\vdash$			$\vdash$	-+			├	<u> </u>	├	├	
A32X	535,161		quartz porphyry	0	_		_	-				Ш	Δ	•		-			-	-	<b>├</b>	—	
A33X	535,161		quartz gray argillic (pyrite) zone	0	-	0	_					$\vdash$							_	·	<b>├</b>	Ь—	
A34X	569,574		andesite (argillic, white)	0	$\sqcup$	$\dashv$	$\rightarrow$			Δ		$\vdash$	Δ	L	$\vdash$	_4			<b>└</b>	×?	1		·4.85,·2.85
A35X		9,109,097		9	┵	△	$\perp$					<b> </b>			$\vdash$				ļ	<b></b>	<b>!</b>	<u> </u>	
A36X	569,680				$\sqcup$ 1	<b>©</b>			Δ			$\square$		•?	$\vdash$	_	·-	L	ļ		ļ		
A38X	564,095		andesitic volcanic breccia	<b>©</b>	╙	Δ	$\perp$	1	Δ			Ш	L	Ш	$\sqcup$				L	<b>!</b>	<u> </u>	L	
A40X		9,107,000			$oxed{oxed}$	0						·	Δ	Δ			_ •		<u> </u>	L	1		
A41X			dacite (quartz porphyry), white argillized	0	I	Δ		[		I			•	Δ					<u> </u>	<u> </u>	<u> </u>		× 7.85, -3.45
A46X	564,398	9,102,714	pule vein 0,30m	0							•												
A53X	562,453	9,093,812	sandy tuff	Ø							•											l	
A55X		9,093,389		© ©		o			•							T	•						
A56X	561,560			0				Δ		$\neg$						一	Δ						
A59X		9,097,577	dvke?	0		<b>©</b>				$\overline{\cdot}$						寸					1		
A60X	554,578			Δ		Ö		×		$\neg$		$\vdash$			$\Box$	╛			1.	•	1		
A62X	556,367		diorite ,white argillic	<b>©</b>	$\neg$					$\overline{\cdot}$					$\Box$					1			
A66X	549,976			Ø.		Δ	$\neg$			$\neg$					$\vdash$	$\dashv$			1	<del>                                     </del>	$\vdash$	<del>                                     </del>	
A67X	539,523			ě		ō				$\neg$						_				_	<del>                                     </del>		
A70X	540,323		andesite-basalt	6		Δ				$\neg \vdash$		<del> </del>		М		$\dashv$	0		<del>                                     </del>	<del>                                     </del>	1	<u> </u>	
A73X	541,426	0.000,124	quartz pyite vein	6	$\vdash$	0	-	$\overline{\cdot}$		- 1			<del> </del>		-	$\dashv$	-		<del> </del>	┪.	<del>                                     </del>	$\vdash$	
A80X	531,723	0.102.126	quartz pyrte veiii quartz porphyry? (white)	ő	$\vdash$	-	-+												<del>                                     </del>	١.	<del> </del>	t -	<del> </del>
A85X			dacitic tuff (white)	Õ		Δ	$\dashv$	$\dashv$				-	$\vdash$			+		-	<del>                                     </del>	<del>                                     </del>	+	<del>                                     </del>	<del>                                     </del>
A91X			silicified rock	िं			$\dashv$	-		$\dashv$		$\vdash$	├─	-	$\vdash$	-+			<del>                                     </del>	<del>  .</del>	<del>                                     </del>	+	+
	485,684		andesite-basalt (coarse grained)	0	$\vdash$	0	-+	-				-			$\vdash$	-			┼	<del> </del>	+	$\vdash$	<u> </u>
A97X				Ø		14	$\dashv$			×		-	<del></del>		$\vdash$				}	├	╁─╌	┼──	
A98X			Punung:hematite argillic rock	0		$\dashv$		$\overline{\cdot}$		÷		⊢	┝		$\vdash$	$\rightarrow$			╁	₩	+	- 2	·3.07
A104X			Punung:quartz vein, with cp				-+	-+		×	-	├		<del> </del>		$\rightarrow$		-	<del> </del>	╁	<del> </del>	<del>  ' '</del>	-3.07
A106X		9,109,836	Punung East;quartz vein, with hematite	0	$\vdash\vdash$	⊣	-+	$\dashv$		-~-			-?	.7		+			┼	╁.	+-	$\vdash$	<del> </del>
A109X	507,046		andesite (propylite)	0	$\vdash$	Δ	+			$\vdash$		$\vdash$	<del>  • 7</del>	<u> </u>	$\vdash \vdash$	-+		├	₩	∺	<del> </del>	+-	<b> </b>
A110X	527,464		whitish fine tuff	0	$\vdash$	$\vdash$	$\rightarrow$			$\vdash$	<u> </u>	$\vdash$	├	$\vdash$	$\mapsto$			-	ļ	<del>-</del> -	+-	₩	<del> </del>
A115X	538,482			0	$\sqcup$	A				$\vdash$		├	<b>├</b>	<del></del>	$\mapsto$	-		├	1	<u> </u>	┼	₩	<del> </del>
A118X	529,987			0	$\sqcup$	Q	_			$\Box$	ļ.,	Ι—	Ŀ	$\vdash$	$\mapsto$			•	ļ	├	1	₩	<b> </b>
A119X		9,111,010	clay vein 10cm	0	Ш	╙		$\rightarrow$				⊢	├	$\vdash$	$\mapsto$	_		<b>├</b>	+ •	—	<del> </del>	<b>├</b>	
B11X	569,376		float of white altered andesite	0	Щ		$\perp$	_		$\sqcup$		$\vdash$	┞—	$\vdash$	ш	_		<u> </u>	1	<b>↓</b>	↓	₩	
B14X	518,436		float of white altered porphyritic andesite	Ø	Ш	$\sqcup$	_			$\Box$		Ь_	Ь—	$\vdash$	$\sqcup$			ļ	1	ــــــ	<del> </del>	↓	
B16X	521,270	9,092,874	float of clayey soft dacite porphyry	0	Ш	$\sqcup \bot$					Δ	L	<u> </u>		Ш	_		<u> </u>	<u> </u>	ļ	↓	₩.	
B17X	523,268		altered (silicified) hornblende andesite; grey, py-ser	0		Δ							L	L_	$oxed{oxed}$	_			L	Δ	ļ	<u> </u>	
B21X	540,282	9,096,092	float of altered soft dacite (?)	0						$\lfloor \cdot \rfloor$		L			$\Box$	[		<u></u>			L	$oxed{oxed}$	
B23X	539,835		clayey altered host rock of quartz-py vein	0									Δ		$\lfloor \cdot  floor$				ŀ	ŀ		ഥ	
B24X	546,365	9,096,586	float of altered soft dacite (?)	0		Δ												L					
C06X	567,037		silicified rock	0									Q			$\Box$					x?		
C08X	567,210		silcified and argillized rock with pyrite	Ø		•							·	•		•				×			
C09X	567.210		silicified rock with limonite	0	П	- 1	$\neg$	一				Г	•	•	$\Box$	- 1		i :		·			·4.72
		-111:		<u> </u>															_				

Table A-4 Results of X-ray Diffraction Analysis

No.	UTM (E)	UTM (N)	Rock name	qz	Kf	pl	sm	chl	chl/sm	se	se/sm	ер	kao	pvr	lia la	l ca		ank	gyp	DV	di	hm	X
C20X	543.342	9.099.146	silicified rock with limonite	0	•						1			1		•				-			-2.590(Kf?)
C21X			whiteish clay	0							· ·			<b>†</b>	<del>   </del>	+		<del> </del>				-	2.000((1.7)
C24X	509,609		silicified rock	6						٠.	İ	1	_	<del>                                     </del>	<del>     </del>		.			_		$\vdash$	
C27X			quartz float	6	$\dashv$					-		<del>                                     </del>	$\vdash$	+	<del>                                     </del>	+	×		$\vdash$	<u> </u>	<del> </del>		<del></del>
C29X	500,216	9 120 192	quartz float	ŏ	$\dashv$					<del>-</del>	<del>                                     </del>	├	_	+	<del>                                     </del>	+	$\widehat{}$		$\vdash$			-	<del></del>
D01X	542,757		quartz float	ő	$\dashv$	$\dashv$			<u> </u>	<del>  .</del>	<del>                                     </del>	+	$\vdash$	+	╂╌┼	+			$\vdash$				<del></del>
D04X	558,196		felsic tuff	ő	$\dashv$	$\rightarrow$		_		H:	<del></del>	<del></del>	-	<del> </del>	$\vdash$	+	-	<b>—</b>	$\vdash$	-		—	<del></del>
D04X	559,054		guartz width = 2cm	8	Δ	0			ļ. <u> </u>	۰	<b>.</b>	╁	-	<del> </del>	╂╾╌┼╴	+		-	$\vdash$	<u> </u>	<u> </u>	ļ	<del></del>
D08X	565,832		quartz width - zcm quartz float			4		_		_	<u> </u>	╄	-		┡╌┼	_			$\vdash$			—	
				Q	$\dashv$	$\overline{}$				١.	-	₩	-	<b>├</b>	┡	+			Ш		_	ļ	
D13X			lapilli tuff alteration / weak argillization	0	$\dashv$	4				-	<del> </del>	<b>├</b>	×?	<del></del>		4	_		Ш		ļ		<del></del>
D14X			porphyry ? Alteration / weak argillization	Θ.	$\dashv$	0		·		<u> </u>		↓	<u> </u>	<b>↓</b>	$\vdash$		-			•			
D17X			fracture zone	0		$\dashv$		0		<u> </u>		<b></b> -	<u> </u>	—	$\vdash$		_		Ш	•	ļ		-3.18,-2.384
D19X			tuff (andesite?) alteration / silicification	0		$\dashv$				·		<u> </u>	·	-	$\vdash$	_		L	ļ			L	
D20X	513,756	9,098,458	pumice tuff alteration / silicification	0	Δ	_				Ŀ	ļ	_		ļ		_					L	Ь	
D24X	542,615	9,088,278	tuff breccia alteration / argillization	Ш		Δ				<u> </u>		↓	0	<b>↓</b>				ļ	Δ	0			
D32X			tuff with pyrite	0	•					Δ		L								Δ			
E01X			andesitic tuff breccia	0						L	<u> </u>										L	L	1
E05X			quartz vein	0						·						Ι.							△2.460
E08X			andesitic tuff breccia .	<b>©</b>	Δ						Δ				П					•			
E09X	552,494	9,103,444	andesitic tuff breccia	0	0					Ι.	Δ	П			1.1					Δ			
E11X	547,185	9,104,434	strongly sillicified rock with sulfide	0		Δ														Δ			
E14X	548,211	9,105,442	quartz vein with sulfide dissemination	0	T															•		$\vdash$	
E17X	548,216	9,105,450	quartz vein with sulfide dissemination	0		Δ								1		$\neg$				•			
E19X	552.879	9.091.664	strongly sillicified rock with sulfide	0		Δ						$\vdash$			1	$\neg$							
E21X	536,080	9.096.856	guartz vein	6	$\neg$							1										$\vdash$	
E24X	536.832	9.096.132	strongly sillicified rock with sulfide	Ø	一							<del>                                     </del>	·	t		_							
E27X			strongly sillicified rock with sulfide dissemination	(e)		$\Delta$							-	<b>†</b>		+		· · · · · · · · · · · · · · · · · · ·		0		$\vdash$	
E31X			andesite (Tertiary volcanic breccia)	õ		히				1	····	<del>                                     </del>	_	t	<del>                                     </del>		$\overline{\cdot}$			•	<u> </u>	<del> </del>	<del></del>
E32X			altered andesite (wall rock of quartz vein)	ŏ	$\dashv$	~				٠.		t	<u> </u>	<del> </del>	<del>   </del>				$\vdash$	_	$\vdash$	$\vdash$	
E33X	519,601		altered andesite (wall rock of quartz vein)	ŏ	$\dashv$							<del>                                     </del>	_	<del> </del>	$\vdash$	+-			$\vdash$	_	$\vdash$	-	
E34X			altered andesite (wall rock of quartz vein)	ŏ	_	$\neg$				<del>                                     </del>	<del>  .    </del>	<del> </del>	-	+-	<del>   </del>	+		<b>├</b>		_	<del>                                     </del>		
E35X	519,601		altered andesite (wall rock of quartz vein)	ě	$\dashv$	$\dashv$				<del>  .</del>		<del>                                     </del>	<del>  .</del>	+-	<del>   </del>	+	_	<del>                                     </del>	$\vdash$	_			-E 00 A 2 07 . 0 210
F03X	545,151		altered tuff	ø		히		Δ		H		1	.7	+	<del>                                     </del>	+		<b>-</b>	$\vdash$		<del> </del>	├	·5.09, △3.07, ·2.318
F06X			host rock of quartz vein (basalt)	Ø	-	허	-	Δ.			<del> </del>	<del>  -</del>	•	┼	╂╾┼	+			$\vdash$			├	
F15X	536,000	9,103,308	host rock of quartz vein (basait)	ő	-	쒸	-		<u>.</u>	├		$\vdash$	<del>⊢</del>	┼	╁	+-		-	-	•	├─		<del> </del>
F16X	536,065	9,111,176	host rock of quartz vein (salicined lapilli tuff)	0	$\dashv$	$\frac{\cdot}{\Delta}$	_	_	<u> </u>	├-		<b>}</b>		┼	╀	+				<u> </u>	-	<u> </u>	<del></del>
F18X			black mudstone	0		쉬		Δ		⊢		₩	$\vdash$	+-	<del>  -</del>	+		<del></del>			<u> </u>		<del></del>
F22X			fine tuff with pyrite						-	⊢		┼	├	-	$\vdash$	+		<b> </b>	$\vdash$	•	-	-	<del></del>
				0	-	4		<u> </u>		⊢	ļ	₩	├	₩	-			l	$\vdash$		<u> </u>		-2.319
F23X			fine tuff with pyrite	0		Δ		├		$\vdash$	<u> </u>	ļ	ļ		$\vdash$	+	_	-dol	$\vdash$		<u> </u>	L	•5.09
F24X			fine tuff with pyrite	0	-	ᆛ		<u> </u>		<u> </u>	ļ		<b></b>	↓	1	-			$\vdash$		L	<b>_</b>	
F30X			altered zone	0	_	0	•			ļ		ļ	Ļ	↓	$\sqcup$		$\dashv$		$\sqcup$	Δ	L	Ь.	<del> </del>
F31X			altered host rock	0						Ŀ		<u> </u>	·	1	$\sqcup$	┵:	sid		ш	•	L	L	
F32X			altered host rock	0						×		Щ.	٠	ــــــ	$\sqcup \bot$	$\bot$			L	•		L	
F33X			silicified rock	0	_					·		Ь.	L	L	$\sqcup \bot$				لـــــا				
F37X			altered rock (float)	Q						Ŀ		$oldsymbol{ol}}}}}}}}}}}}}}}}}$		<u> </u>	$\sqcup \bot$	$\bot$				•	L		
F39X			altered dacite	0		I				Ŀ			•		$\Box$		]			•	L		

qz:quartz, Kf: potash-feldspar, pl:plagioclase, sm:smectite, chl:chlorite, chl/sm:chlorite/smectite mix layered mineral se:sericite, se/sm:sericite/smectite mix layered mineral, ep:epidote, kao:kaolin, pyr:pyrophyllite, ja:jarocite al:alunite, cal: calcite, ank:ankerite, gyp:gypsum, py:pyrite, di:diaspore, hm:hematite,

Amount: $0>0>\Delta>\cdot>\times$ 

x: unidentified mineral with the d value(Å)

Table A-5 Results of Microscopic Observation of Polished Sections

Sample	e No. & Loca	tion	Describing					ary N									ary Mine	
No.	UTM (E)	UTM (N)	Description	Ру	Mt	Ср	Sp	Gn	EI	Pol	Pear-Pyrg	Hm	Mt	Cu-min	Cov	Hm	Lm(Gt)	TiO <sub>2</sub>
A04P	531,148	9,108,715	quartz-pyrite													×	×	
A22P	539,000		float (skarn ore?)					L				0	Δ					
A26P	536,758		breccia zone (quartz vein py-cp)	0		0				Ĺ								
A27P	537,075	9,108,792	breccia zone (quartz vein py-cp 0.35m)	•		Δ				L				•		×	×	
A30P	536,482		quartz vein/silicified zone (py;1.0m)			×												
A51P	542,605	9,108,680	quartz	Δ		×										•	•	<u> </u>
A72P	541,425	9,098,643	quartz pyrite vein	Δ			<u> </u>	<u> </u>								×	×	
A75P	541,558	9,098,172	quartz vein width 15cm	Δ				<u> </u>			ļ					×	×	<u> </u>
A82P	530,980	9,102,800	skarn ore					<u> </u>					ļ			×	×	ļ
A83P	530,900	9,102,800	skarn ore (20cm)	0	•	×	0											
A87P	511,105	9,105,793	breccica ore (20cm)	×		-		<u> </u>						×	×	×	×	
A92P	486,523		Selogiri:quartz-pyrite (host rock )	Δ											ļ			
A93P	486,522	9,137,250	Selogiri:quartz-pyrite (host rock )	Δ		٠		ļ		L	ļ							<u> </u>
A94P	486,521	9,137,316	Selogiri:quartz-pyrite (host rock )	0				<u> </u>					<u> </u>				ļ	<u> </u>
A95P	486,504	9,137,414	Selogiri:quartz-pyrite (host rock )	0				<u> </u>		<u>.                                    </u>			<u> </u>				ļ	<u> </u>
A96P	486,457		andesitic lapilli tuff	0														<u> </u>
A99P	508,957	9,109,820	Punung:pyrite diss.silicified rock from a shaft	0			<u> </u>						ļ	ļ		×	×	
A100P	508,926	9,109,870	Punung:quartz vein, with hematite	×				<u> </u>					<u> </u>	ļ		×	×	↓'
A101P	508,950	9,109,854	Punung:quartz vein, with hematite										<u> </u>		×	×	×	<u> </u>
A102P	508,950	9,109,854	Punung:quartz vein, with hematite			×			×	×	×		<u> </u>			ļ		<u> </u>
A103P	508,912		Punung:clay vein			0	<u> </u>	ļ					ļ		ļ	<u>  •</u>	· .	ļ
A111P	528,105	9,120,226	silicified andesitic tuff breccia			<u> </u>		ļ	<u> </u>	ļ			<u> </u>	1		Δ	Δ	<u> </u>
A112P	528,105		silicified andesitic tuff breccia	×			<u> </u>			ļ			<u> </u>					
A113P	528,105		grayish fine tuff	×				ļ	L.				<u> </u>		ļ	Δ	Δ	<del> </del>
A117P	529,987		Mn ore host+ Mn veinlet				<u> </u>	ļ	Ь_	<u> </u>	1		×					↓
A121P	531,164	9,108,618	quartz vein 40cm	0		<u></u>	<u> </u>	ļ				<u> </u>	ļ		ļ			↓
A123P	533,208	9,108,636	quartz vein 5cm				<u> </u>		<u> </u>	L.	<u> </u>						· ·	↓
A124P	536,735	9,109,625	quartz vein 20cm	0		Δ	×		<u> </u>	<u> </u>	ļ		<u> </u>		×	×	×	↓
A125P	537,008		silicified zone (+quartz vein) 150cm	4			<u>  • </u>	<u> </u>	L	<u> </u>	ļ			1		ļ	ļ	<u> </u>
A127P	540,400		basaltic tuff breccia	Δ	L	0	×	<u> </u>		<u> </u>	<u> </u>	ļ	_	<b></b>	<u> </u>	L	<u> </u>	<del></del>
B01P	533,028	9,118,560	quartz-calcite-pyrite vein; 15cm wide	<u>  •                                     </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ.			ļ				<del> </del>
B06P	568.095	9,117,778	fleat of strength cilipited quarty parphyry-digritia															
BUOP	300,033		porphyry with quartz veinlets	×		<u> </u>	<u> </u>	<u> </u>	ļ	ļ	ļ	L	<u> </u>	ļ		·	<u> </u>	<del></del>
B10P	568,875	9,121,324	float of strongly silicified rock with quartz veins	<u>  •</u>		×	ļ	_		ļ		L	1	ļ	ļ			<del></del>
B20P	547,550	9,095,946	quartz-pyrite vein; 60cm wide	0			<u>L</u>	]		1			1		l	<u> </u>	1	<u></u>

Table A-5 Results of Microscopic Observation of Polished Sections

Samp	le No. & Loca	ition	Description				Prim	ary I	<b>/</b> line	rals					Se	cond	ary Mine	rals
No.	UTM (E)	UTM (N)	Description	Ру	Mt	Ср	Sp	Gn	EI	Poi	Pear-Pyrg	Hm	Mt	Cu-min	Cov	Hm	Lm(Gt)	TiO <sub>2</sub>
B21P	540,282	9,096,092	float of quartz-pyrite vein															
B23P	539,835	9,096,384	quartz-pyrite vein; 100cm wide	•		×												
B24P	546,365	9,096,586	float of quartz vein													Δ	-	
C24P	509,609	9,116,573	sili with py, cp, galena float			Δ	0				•				•			
C27P	509,216	9,120,192	silicified rock with pyrite float	Δ		•				I								
C29P	509,216	9,120,192	silicified rock with py, iron oxides float													Δ	Δ	
D01P	542,757	9,110,416	quartz float		×	•	Δ								•			
E12P	547,185	9,104,434	strongly sillicified rock with sulfide	0														
E15P	548,211	9,105,442	quartz vein with sulfide dissemination	Δ		×												
E28P	537,443	9,097,056	quartz with sulfide	•														×
E32P	519,601	9,126,438	wall rock of quartz vein	0			×	×										
E33P	519,601	9,126,438	wall rock of quartz vein	Δ		×	×									×	×	
E35P	519,601	9,126,438	wall rock of quartz vein	0														
F06P	542,608	9,109,588	quartz vein width: 1.0m	Δ												×	×	
F13P	536,089	9,111,176	quartz vein width: 1.9m	Δ													•	
F14P	536,089	9,111,176	quartz vein width: 0.4m+	0		×												

Py:Pyrite, Mt:Magnetite, Cp:Chalcopyrite, Sp:Sphalerite, Gn:Galena, El:Electrum, Pol:Polybasite Pear-Pyrg:Pearceite-Pyrargyrite, Hm:Hematite, Cu-min\*Cu mineral, Lm:Limonite: Ge:Goethite Cov:Covelline,TiO<sub>2</sub>:Rutile

Amount:  $> 0 > \Delta > \cdot > \times$ 

Table A-6 Results of Chemical Analysis of Mineralized Samples(1/2)

SAMPLE	1 10	cality	Cu	Pb	Zn	Ag	Sb	Au	Hg	As	Remarks
CODE	UTM (E)	UTM (N)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppb)	(ppb)	(ppm)	Tromano
A 03 A	531,148	9.108.715	15	12	49		2.5	36	923		ore(width 5cm quartz)
A 04 A	531,148	9,108,715	42	49	31	2	0.75	26	0	8	quartz-pyrite
A 05 A	532,447	9,109,917	44	35	31	2	0.5	10	423	4	silicified rock
A 80 A	533,615	9,108,666	801	21	352				1442		quartz(width 20cm)
A 09 A	534,188	9,108,483	60	70	42			1140	442	24	quartz hematite
A 17 A	540,020	9,107,548	27	27	147	4	0.5	16	519	0	pyrite disseminated andesitic rock
A 21 A	539,236	9,105,078	1178	28	135500	5	0.5	14	0	0	ore(pyrite zone 20cm)
A 22 A	539,000	9,105,000	23	23	329	3	0	16	173		float(skarn ore?)
A 26 A	536,758	9,108,262	22370	182	729	6		38	1019		
			2661	61	197	3		14	192		breccia zone(quartz vein pyrite-chalcopyrite) breccia zone(quartz vein py-cp 35cm)
A 27 A	537,075	9,108,792									
A 29 A	536,510	9,109,650	49	42	241	3		16	615		quartz vein (pyrite>chalcopyrite: 20cm)
A 30 A	536,482	9,109,700	846	109	356			286	827		quartz vein/silicified zone (pyrite:1.0m)
A 33 A	535,161	9,095,500	68570	850	1379			58	462		quartz gray argilic(pyrite) zone
A 42 A	565,500	9,105,200	104	16	44			4400	385		silicified rock
A 43 A	564,398	9,102,714	269	13	48			134	539		Pule vein 30cm
A 44 A	564,398	9,102,714	17	10	20			240	500		Pule vein 40cm
A 45 A	564,398	9,102,714	19	30	31	37	1.5	1175	1154		Pule vein 30cm
A 47 A	564,298	9,102,850	42	9	38		1.25	22	442		silicified rock
A 48 A	564,298	9,102,850	47	23	52			116	865		float of altered rock
A 50 A	542,605	9,108,680	117	184	589			16	404		quartz
A 51 A	542,605	9,108,680	379	145	48			20	250		quartz
A 58 A	555,089	9,097,520	768	714	1433			246	2442		pyrite-silicified rock
A 64 A	558,096	9,099,224	22	51	259			12	808		andesitic volcanic breccia
A 68 A	539,523	9,098,777	51	210	5950	4		18	846	8	quartz veinlet
A 69 A	539,523	9,098,774	17	408	239	5		12	654	8	quartz network
A 72 A	541,425	9,098,643	57	1375	694	4	1.25	12	731	4	quartz pyrite vein
A 74 A	541,430	9,098,644	561	671	16960	4	1.25	78	942	24	quartz vein(15cm)
A 75 A	541,558	9,098,172	11	28	126	4	1.0	20	827	20	quartz-pyrite vein (20cm)
A 82 A	530,980	9,102,800	94	12	2253	2	0	16	2925	16	skarn ore
A 83 A	530,900	9,102,800	281	357	11210	6	1.25	30	793	12	skern ore (20cm)
A 87 A	511,105	9,105,793	2481	19	129	9	1.0	26	212	4	breccia ore (20cm)
A 92 A	486,523	9,137,150	226	169	1938	5	1.0	52	9135	58	Selogiri:quartz-pyrite (host rock )
A 93 A	486,522	9,137,250	30	52	82	6	1.0	970	208	20	Selogiri:quertz-pyrite (host rock )
A 94 A	486,521	9,137,316	20	73	69	10	1.75	1985	189	20	Salogiri:quartz-pyrite (host rock )
A 95 A	486,504	9,137,414	14	48	72	5	1.0	128	226		Selogiri:quartz-pyrite (host rock )
A 96 A	486,457	9,137,568	26	75	2093	5	1.0	376	1415	8	andesitic lapilli tuff
A 98 A	508,957	9,109,820	16	14	26			18	981	0	Pununghemetite argillic rock
A 99 A	508,957	9,109,820	10	22	19			14	212		Punungpyrite diss.silicified rock from a shaft
A 100 A	508,926	9,109,870	558	18	39	2	1.5	700	226	8	Punung guartz vein, with hematite
A 101 A	508,950	9,109,854	3126	45	27	3	1.0	434	302	8	Punung quartz vein, with hematite
A 102 A	508,950	9,109,854	1219	17	73	2	2.0	28	906	4	Punung quortz vein, with hemetite
A 103 A	508,912	9,109,810	43	6	8	2	0.75	68	283	12	Punung clay vein
A 105 A	509,137	9,109,836	726	25	40	3	4.0	18	1340	4	Punung East;quortz vein, with hematite
A 111 A	528,105	9,120,226	117	150	42	1162	12.5	10930	0	68	silicifeid andesitict tuff breccia
A 112 A	528,105	9,120,226	116	112	24	42	2.0	920	38	64	silicifeid andesitict tuff breccia
A 113 A	528,105	9,120,120	53	103	23			845	566	52	grayish fine tuff
A 116 A	539,972	9,088,170	81	22	63				472		fine tuff
A 117 A	529,987	9,112,424	40	23	70				359		Mn ore host rock and Mn veinlet
A 119 A	531,716	9,111,010	28	24	68				698		clay vein 10cm
A 121 A	531,164	9,108,618	282	55	448				321		quatz vein 40cm
A 123 A	533,208	9,108,636	50	22	75				340		quatz vein 5cm
A 124 A	536,735	9,109,625	3130	76					132		quatz vein 20cm
A 125 A	537,008	9,109,568	695	404	580	2			491	8	silicified zone (+quatz vein) 150cm
A 127 A	540,400	9,096,150	23640	115	128			170	113	0	pyrite-chalcopyrite-vein float
B 01 A	533,028	9,118,560	78	17	25	2	3.5	38	226	0	quartz-calcite-pyrite vein; 15cm wide
						]					float of strongly silicified quartz porphyry-dioriticporphyry
B 06 A	568095	9117778	21	17					491		with quartz veinlets
B 07 A	567828	9118662	17	15			2.5		200		float of strongly silicified rock; light grey
B 10 A	568875	9121324	220	55					325		floet of strongly silicified rook with quartz veins
B 12 A	569166	9122622	29	14							float of strongly silicified andesite (?); light gray
B 13 A	569166	9122622	22	38					225		float of dark grey andesite with stockwork of quartz
B 18 A	523748	9093404	14	34							float of silicified decite (?)
B 19 A	550799	9096882	16	9					475		float of white quartz vein
B 20 A	547550	9095946	36	97	1017						quartz=pyrite vein: 60cm wide   float of quartz=pyrite vein
B 21 A	540282	9096092	20 38	48 79							quartz-pyrite vein:100cm wide
B 23 A B 24 A	539835 546365	9096384 9096586	19	452							float of quartz vein
B 26 A	538892	9093822	24	22							float of silicified decite (?) with quartz veinlets
C 04 A	569442	9093622	18		10						Iffoat of silicified rock with pyrite and sulfier
C 06 A	567037	9092426	9								silicified rock float
C 08 A	567210	9087122	14								silcified with argillized rock with pyrite
C 09 A	567210	9087122	101	72							silcified with argillized rock with hematite
C 17 A	543011	9099240	20	64	29						strongly silicified rock with pyrite (tuff?)
C 24 A	509609	9116573	11280								silicified rock with py, cpy, gelena float
D 01 A	542757	9110416	2054	1702			0				quartz float
		1 2					<u> </u>			<u>.                                      </u>	

Table A-6 Results of Chemical Analysis of Mineralized Samples(2/2)

SAMPLE	Lo	cality	Cu	Pb	Zn	Ag	Sb	Au	Hg	As	Remarks
CODE	UTM (E)	UTM (N)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppb)	(ppb)	(ppm)	
E 06 A	552943	9106626	366	35	37	1	2.25	48	250	46	quartz vein
E 10 A	547185	9104434	35	24	78	1	0.75	42	150		strongly sillicified rock with sulfide
E 13 A	548211	9105442	1825	63	2255	15	0.5	56	425	6	quartz vein with sulfide dissemination
E 16 A	548216	9105450	152	32	1774	3	0.5	46	200	16	quartz vein
E 20 A	536080	9096856	42	102	90	1	2.5	198	175	28	quartz vein
E 25 A	536832	9096132	7	44	163	1	2.5	74	225	4	strongly sillicified rock with sulfide
E 26 A	537443	9097056	7	33	240	2	1.75	38	125	0	quartz with sulfide
E 32 A	519601	9126438	51	49	324	3	2.0	770	75	32	wall rock of quartz vein
E 33 A	519601	9126438	119	33	313	4	2.5	875	300	52	wall rock of quartz vein
E 35 A	519601	9126438	113	167	366	9	14	11805	250	810	wall rock of quartz vein
F 02 A	542753	9115060	21	26	46	2	3.5	475	0	4	quartz vein in andesite, width 5cm
F 06 A	542608	9109588	149	407	122	2	0.75	130	425		quartz vein width 1.0m
F 07 A	542600	9109554	99	144	441	. 2	2.5	48	325	C	quartz vein width 1.6m
F 08 A	542398	9108786	2057	1198	1653	8	2.25	304	150	16	quartz vein width 20cm
F 12 A	536089	9111176	1441	47	177	4	1.0	52	75	4	quartz vein width:1.5m
F 13 A	536089	9111176	568	47	454	4	0.75	46	0	C	quartz vein width:1.5m
F 14 A	536089	9111176	1375	127	964	3	1.25	42	0	C	quartz vein width:1.9m
F 17 A	535759	9100158	9	23	29	2	2.0	40	0	4	dyke rock with pyrite
F 19 A	550122	9083742	20	20	17	1	1.75	58	225	24	quartz float
F 20 A	556449	9083984	11	11	5	30	2.0	66	75	12	quartz vein 0.1m
F 29 A	540077	9096128	857	20	12	6	1.5	52	175	4	quartz float 50X50X50cm
F 31 A	539966	9096298	865	4598	14160	18	1.25	288	1725	64	quartz vein
F 34 A	539885	9096360	75	63	422	3	1.5	44	0	48	quartz vein width 60cm
F 35 A	539800	9096512	11	34	164	2	1.25	50	75	36	silicified zone
F 38 A	539805	9096500	68	43	408	5	1.0	58	0	88	quartz network
F 39 A	535143	9095492	7	49	18	1	1.0	40	125	8	altered decite

#### Note:

- Detection limit Au : 0.1 ppb, Cu : 0.1 ppm, Pb : 0.1 ppm, Zn : 0.1 ppm, Hg: 0.1 ppb As: 0.5 ppm Ag: 0.05 ppm Sb: 0.5 ppm

- Methods Au : MIBK EXTRACTION/AAS Cu.Pb,Zn.Ag : Flame AAS Hg : Hydride Generation AAS Sb, As : Colorimetry

Table A-7 Homogenization Temperatures and Salinities of Fluid Inclusions (1/2)

<b>.</b>	Host	Size( µ	Primary or	Cooling	à 11 - C - 14 - 14 - 15 - 15		Homogenization
No.	mineral	m)	secondary	temperatur	Salinty(wt%.NaCl)	Measurement (°C)	Temperature (°C)
	quartz	10	secondary	-2.1	4.0	178	192
ł	quartz	8	secondary	-1.6	3.2	162	174
1	quartz	5	secondary	-1.6	3.2	180	194
	quartz	15	secondary	-0.1	0.6	143	152
l	quartz	6	secondary	-1,4	2.9	172	185
	quartz	8	secondary	-1.5	3.0	175	188
F06F	quartz	10	secondary	-2.1	4.0	174	187
FUEF	quartz	12	secondary	-1.6	3.2	172	185
	quartz	7	secondary	-1.4	2.9	152	163
	quartz	10	secondary	-3.1	5.7	141	150
	quartz	12	secondary	-1.2	2.5	188	203
	quartz	9	secondary	-2.3	4.4	226	247
	quartz	14	secondary	-0.8	1.8	208	226
	quartz	15	secondary	-2.0	3.9	148	158
	quartz	3	secondary			232	254
	quartz	3	secondary			135	144
	quartz	5	secondary			198	214
l i	quartz	4	secondary			197 .	213
1	quartz	7	secondary			179	193
	quartz	4	secondary			169	182
}	quartz	2	secondary			161	173
F13F	quartz	2	secondary			187	202
1	quartz	2	secondary	1		143	152
1	quartz	3	secondary			187	202
	quartz	5	secondary			243	267
	quartz	3	secondary			244	268
	quartz	6	secondary			254	279
	quartz	7	secondary			262	289
	quartz	7	secondary	1		134	143
	quartz	3	secondary			173	186
	quartz	25	secondary	-1.7	3.4	187	202
	quartz	70	secondary	-0.5	1.3	157	168
•	quartz	23	secondary	-1.5	3.0	247	271
	quartz	40	secondary	-1.5	3.0	248	272
F29F	quartz	11	secondary	-1.0	2.2	189	204
	quartz	28	secondary	-2.0	3.9	246	270
1	quartz	15	secondary	-1.5	3.0	243	267
i	quartz	20	secondary	-1.6	3.2	241	264
i	quartz	18	secondary	-1.8	3.5	273	302
	quartz	42	secondary	-2.0	3.9	272	301
	quartz	10	secondary	-0.1	0.6	208	226
	quartz	9	secondary	-1.4	2.9	245	269
	quartz	12	secondary	-1.2	2.5	228	249
	quartz	8	secondary	-0.3	1.0	233	255
ا ـ . ـ . ا	quartz	6	secondary	0.0	0.4	224	244
A74F	quartz	13	secondary	-1.3	2.7	252	277
	quartz	10	secondary	-1.2	2.5	254	279
	quartz	8	secondary	-0.4	1.2	251	276
[	quartz	16	secondary	-1.1	2.4	243	267
	quartz	10	secondary	-1.3	2.7	228	249
<u></u>	quartz	8	secondary	0.0	0.4	227	248

Table A-7 Homogenization Temperatures and Salinities of Fluid Inclusions (2/2)

No.	Host	Size( $\mu$	Primary or	Cooling	Callada / AM Na Ol)	Measurement (°C)	Homogenization
No.	mineral	m)	secondary	temperatur	Salinty(wt%.NaCl)	Measurement (C)	Temperature (°C)
	sphalerite	40	secondary	0.1	0.3	177	191
	sphalerite	14	secondary	-0.1	0.6	199	216
	sphalerite	11	secondary	-0.5	1.3	227	248
	sphalerite	11	secondary	-0.3	1.0	226	247
A74F	sphalerite	20	secondary	-0.3	1.0	230	251
A/4F	sphalerite	55	secondary	-1.0	2.2	240	263
1	sphalerite	11	secondary	-1.1	2.4	219	239
	sphalerite	25	secondary	-1.1	2.4	265	292
	sphalerite	8	secondary	-1.4	2.9	252	277
	sphalerite	15	secondary	-1.0	2.2	210	228
	-			1			
	quartz	7	secondary	-0.8	1.8	261	288
]	quartz	17	secondary	-1.0	2.2	263	290
	quartz	14	secondary	-1.8	3.5	256	282
1 1	quartz	10	secondary	-1.0	2.2	273	302
A75F	quartz	6	secondary	-0.1	0.6	242	265
A/3F	quartz	10	secondary	-1.1	2.4	274	303
	quartz	14	secondary	-2.2	4.2	268	296
	quartz	25	secondary	0.1	0.3	232	254
	quartz	8	secondary	-0.8	1.8	269	297
1 1	quartz	9	secondary	-2.1	4.0	256	282
	quartz	10	secondary	-2.1	4.0	222	242
	quartz	10	secondary	-2.2	4.2	200	217
	quartz	7	secondary	-1.6	3.2	198	214
	quartz	10	secondary	-1.2	2.5	200	217
	quartz	9	secondary	-1.3	2.7	182	196
A29F	quartz	4	secondary	-1.5	3.0	170	183
AZSF	quartz	13	secondary	-1.7	3.4	193	209
	quartz	13	secondary	-0.8	1.8	200	217
	quartz	8	secondary	-1.6	3.2	190	205
	quartz	7	secondary	-1.8	3.5	219	239
	quartz	20	secondary	-1.7	3.4	213	232
	quartz	17	secondary	-1.7	3.4	259	285

NaCl equivalent salinity  $y = -0.0308X^2 - 1.7798X + 0.4444$ 

Homogenization temperature  $y = 0.0003X^2 + 1.0243X - 0.1295$ 

Table A-8 Results of Analysis of Geochemical Survey Samples (1/15)

Sample	<del></del>	Au	Be	Na	Mg	Al	P	кТ	Ca	Ti I	V	Cr	Mn	Fe	Со	Ni I	Cu	Zn	As	Sr	Mo	Ag	Cd	Sb	Ba	w	Hg	Pb	Bi
Sample UTM(E)	UTM(N)	ppb	DDM	\\	1 Mg	- XI	8	· ``	%	<del>- ;;</del> }	ppm	ppm	ppm	- <del>\</del>	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A001S 543430	9111607	<1	<0.5	0.12	0.91	1.88	0.03	0.17	2.58	0.46	342	44	1460	7.13	30	10	17.5	184	<3	103	<1	<0.2	2	<:	70	<10	8	3	<5
A002S 542705	9111366	<1	<0.5	0.07	1.21	1.72	0.03	0.09	0.7	0.21	227	21	1320	5.13	20	10	27	185	<3	45.2	<1	<0.2	<1	</td <td>93</td> <td>&lt;10</td> <td>7</td> <td>24</td> <td>&lt;5</td>	93	<10	7	24	<5
A003S 542714	9111120	66	<0.5	0.06	1.21	1.95	0.02	0.11	0.44	0.29	338	39	1190	7.41	28	9	23.5	174	<3	36.6	<1	<0.2	<1	</td <td>52</td> <td>&lt;10</td> <td>6</td> <td></td> <td>&lt;5</td>	52	<10	6		<5
A004S 531148	9108715	32	<0.5	0.05	0.75	1.26	0.02	0.1	0.31	0.13	149	21	3700	4.25	17	10	28.2	115	<3	61.7	<1	0.4	<1	₹	129	<10	9		
A005S 531214	9108621	26	<0.5	0.05	1.06	2.19	0.02	0.09	0.45	0.19	236	24	1100	5.69	23	. 11	72.8	127	<3	77.2	<1	<0.2	<1	</td <td>77</td> <td>&lt;10</td> <td>11</td> <td></td> <td></td>	77	<10	11		
A006S 531883	9108651	26	<0.5	0.02	0.4	0.88	0.02	0.12	0.04	0.06	84	12	480	4.91	15	4	477	103	<3	3.7	5	0.3			22	<10	6		
A007S 532447	9109917	9	-	0.08	0.98	2.46	0.03	0.08	0.52	0.2	237	34	1020	5.39	24	18	29.1	95.3	<3	66.8	<1	<0.2	<1	<:	104	<10	19		<5
A008S 532391	9109892	10		0.04	0.46	1.46	0.01	0.06	0.24	0.43	349	24	1170	7.09	29	- 8	21.3	128	<3	34	<1	0.3	<1	_ <:	75	<10	17		<5
A009S 532481	9108851	10		0.05	0.98	1.86	0.02	0.06	0.33	0.58	544	54	1540	9.56	39	17	41.6	189	<3	38.2	<1	<0.2	3	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	64	<10	11	6	<5 (5
A010S 533182	9108662	13		0.04	0.94	1.73	0.02	0.08	0.24	0.15	227	24	1200	5.27	21	9	60.1	144	<u> </u>	21.2	<1	<0.2		<u> </u>	53	<10	234	<u> </u>	<5
A011S 533308	9108463	12		0.04	1.01	2.15	0.03	0.06	0.3	0.13	291	26	1300	6.58	27	10	45.4 53.2	112	<3 <3	26.4	<1 <1	<0.2 <0.2	1		64 87	<10 <10	14		
A012S 533321	9108542	4	< 0.5	0.05	0.99	2.13	0.02	0.08	0.46	0.21	252	20 27	1190 1290	5.99 4.32	26 21	10	56.8	120 132	<u>√3</u>	78.2 21.7	<1	<0.2	1	- 5	60	<10	19		
A013S 533615	9108666	6	<0.5 <0.5	0.05	1.16	2.07	0.03	0.06	0.25	0.04 0.07	169 205	18	1210	5.02	21	8	51.3	132	\3 ⟨3	22.6	<1	<0.2		- 3	58	<10	16		√5
A014S 534188 A015S 534442	9108483	- 0	⟨0.5	0.04	1.13	2.13	0.03	0.00	0.27	0.07	305	25	1230	6.69	25		81.9	234	₹3	22.4	<u> </u>	0.2		- '	71	<10	12		
A016S 534733	9107834	3		0.05	0.5	1.32	0.03	0.12	0.42	0.13	125	8	797	3.6	13	1	21.5	125	<u> </u>	48.2	71	<0.2	- 2	(!	83	₹10	12		
A017S 535133	9107834	3	<0.5	0.06	1.25	2.21	0.03	0.05	0.28	0.15	342	36	1180	6.97	28	9	74.3	130	<del></del>	23.7	<del>\ \\ \\ \\ \\ \</del>	⟨0.2	7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	45	₹10	8	3	√5
A018S 535549	9108239	39	_	0.04		2.27	0.04	0.07	0.28	0.09	265	14	1180	6.32	26	5	57.2	140	₹3	25.3	<1	0.6	<u> </u>	</td <td>63</td> <td>&lt;10</td> <td>11</td> <td>7</td> <td>₹5</td>	63	<10	11	7	₹5
A019S 535454	9107459	7	<0.5	0.06	0.38	1.21	0.02	0.06	0.37	0.24	270	25	898	6.31	18	5	10.7	103	₹3	33.2	<1	<0.2	<1	</td <td>44</td> <td>&lt;10</td> <td>10</td> <td>5</td> <td>&lt;5</td>	44	<10	10	5	<5
A020S 535539	9107161	16		0.05	0.31	1.15	0.01	0.09	0.34	0.18	177	11	828	4.38	15	2	18.7	165	<3	34.1	<1	0.3	<1	</td <td>51</td> <td>&lt;10</td> <td>15</td> <td>25</td> <td>&lt;5</td>	51	<10	15	25	<5
A021S 536127	9106938	31	<0.5	0.03	0.32	1.93	0.02	0.09	0.26	0.14	182	21	1190	5.22	20	3	28.6	97.3	<3	30.8	<1	<0.2	<1	</td <td>130</td> <td>&lt;10</td> <td>24</td> <td>13</td> <td>&lt;5</td>	130	<10	24	13	<5
A022S 536543	9106616	16	<0.5	0.04	0.28	1.29	0.02	0.11	0.36	0.08	153	9	1180	4.54	16	2	14.3	72.5	<3	28.9	<1	<0.2	<1	<:	94	<10	11	7	<5
A023S 536385	9106208	9	<0.5	0.05	0.37	1.71	0.02	0.14	0.4	0.17	196	44	1100	5.4	18	4	16	104	<3	34	<1	<0.2	<1	<:	82	<10	14		
A024S 535775	9105350	6	<0.5	0.04	0.4	1.37	0.01	0.1	0.42	0.08	111	8	824	3.56	- 11	2	12.6	88.1	<3	37.7	<1	<0.2			64	<10	13		
A025S 535825	9105360	26		0.07		1.94	0.02	0.17	0.42	0.24	235	79	1230	6.09	20	6	16.8	116	<3	33.8	<1	<0.2	<1	<:	82	<10	14		<5
A026S 536913	9106181	B		0.04	0.33	1.1	0.02	0.09	0.31	0.27	334	46	1240	7.73	25	10	17.7	118	<3	22.9	<1	<0.2	1	<u> </u>	65	<10	10		
A027S 536835	9106129	16		0.03	0.3	1.84	0.02	0.09	0.25	0.13	172	17	1210	5.1	19	3	27.2	90.7	<3 <3	30.3	<1	<0.2 <0.2	1		124 73	<10	24 12		
A028S 536259	9107623	15		0.04	_	1.02	0.02	0.07	0.21	0.36	330	21	1290 1210	7.06	27	5	24.9	167 77.5	<u>&lt;3</u>	20.9 42.5	<1 <1	0.2	-	(;	179	<10 <10	34		
A029S 542031	9105320	1	0.8	0.04		2.27	0.02	0.08	0.22	0.21 0.12	228 164	25 11	800	5.95 4.43	23 19	- 3	25.1 16.4	48.4	<del>- \3</del>	36.5	(1	<0.2			68	<10	19		<u>√5</u>
A030S 541714 A031S 540020	9104493 9107548	<u> </u>		0.05	0.26 0.21	1.55 1.77	0.01	0.08	0.16	0.12	176	44	1860	5.91	21		54.6	176	<3	17.8	<u> </u>	<0.2	1 2		99	<10	19	_	
A032S 539895	9107552	12		0.03	_	1.49	0.04	0.08	0.10	0.52	443	27	1590	8.6	35	7	28.6	240	<del>\\3</del>	29.9	<1	⟨0.2	3	- 2	97	<10	20		
A033S 539638	9107001	36		0.03	_	1.89	0.02	0.15	0.23	0.23	322	70	1410	7.61	25	5	41	175	₹3	21.8	₹1	0.2	1	(	105	<10	21		
A034\$ 538363	9107583	6		0.04		1.94	0.01	0.07	0.24	0.2	204	15	1410	5.14	21	4	45.3	200	₹3	29	<1	0.2	<u> </u>	<	149	<10	26		
A035S 539820	9105890	5		0.04		2	0.04	0.12	0.19	0.09	202	90	1550	6.18	22	4	42.8	172	₹3	19.8	<1	<0.2	<1	<	80	<10	17	7	<5
A036S 539800	9105830	6	-	0.03		1.62	0.01	0.07	0.21	0.14	177	10	1140	5.02	20	1	23.5	71.8	<3	31.8	<1	<0.2	<1	<:	130	<10	27	8	<5
A037S 538800	9105375	6	<0.5	0.03	0.27	2.03	0.02	0.08	0.23	0.16	201	28	1210	5.55	20	2	27.8	89.1	<3	31.8	<1	<0.2	<1	<	124	<10	27	10	5
A038S 538850	9105360	4	<0.5	0.04	0.44	1.51	0.03	0.12	0.29	0.06	127	10	1530	4.43	15	2	· 37	171	<3	22.3	<1	<0.2	1	<:	73	<10	14	41	<5
A039S 537825	9105000	3	<0.5	0.04	0.33	1.68	0.02	0.09	0.24	0.4	397	43	1360	8.33	32	5	32.5	158	<3	28.3	<1	<0.2	3		99	<10	18		
A040S 537810	9105070	9	<0.5	0.04	0.28	1.24	0.01	0.08	0.26	0.4	357	24	1270	7.8	31	7	22.5	99.5	4	21.5	<1	<0.2	. 2	<:	67	<10	14		
A041S 538325	9107501	16		0.04	_	1.67	0.02	0.1	0.23	0.31	329	56	1410	7.37	26	5	30.7	156	<3	23.9	<1	<0.2	1	<:	98	<10	19		
A042S 536083	9108457	4	<0.5	0.04		2.73	0.03	0.05	0.23	0.11	288	19	1360	6.86	28	8	90.2	181	<3	26	<1	<0.2	(1	_ <	55	<10	8	5	9
A043S 536101	9108679	2	<0.5	0.04		2.52	0.03	0.07	0.24	0.08	268	35	1200	6.44	27	6	53.2	129	<3	25.9	<1	<0.2	1 1	- 5	69	<10	9		
A044S 536697	9108933	3	<0.5	0.04		2.05	0.02	0.12	0.39	0.09	196	21	1290	5.22	20	8	43.4	150	<u> </u>	27.9	<1	<0.2	1 4		87	<10	14		_
A045S 537047	9108773	6		0.05		2.08	0.02	0.09	0.35	0.07	184	38	1260	4.61	20	9		130	(3	26.9	<u> </u>	0.4		- 5	82	<10 <10	12		
A046S 537075	9108792	2		0.03		1.6	0.02	0.08	0.34	0.03	104	16	1470	3.66	15 34	16	37.3	165	<3	24.4 107	<1	0.2 <0.2	1 2		92	<10 <10	15 10		
A047S 536516	9109714	12		0.07		2.49		0.07 0.06	0.56	0.37	353	56 13	1330	7.14	19	10 5	55.2 54.3	127	- ⟨3	28.2	<1	<0.2	<del>                                     </del>		9 84	<10	9	_	
A048S 536687	9109685	67	<0.5 <0.5	0.03 0.05	1.15 0.49	1.94 1.6	0.03	0.06	0.33	0.03	159 211	55	1370	6.15	22	7	44.6	153	15	49.8	<1	<0.2	+		86	<10	25		
A049S 535003 A050S 535161	9095442	2		0.03		1.77	0.03	0.09	0.32	0.17	143	22	1190	4.81	17	5	49.6	172	3	23.2	1	⟨0.2	(1		5 86	<10	16		
A051S 535022	9095442	3	⟨0.5	0.03	_	1.84	0.04	0.09	0.62	0.03	268	15	1320	6.99	22	4	22.6	135	4	43.4	1	<0.2	<del>  `</del>	1	57	<10	15		
A052S 535508	9095147	<del>                                     </del>	⟨0.5	0.00		0.9	0.03	0.03	0.02	0.14	162	14	794	4.61	15	- 4	36	97.1	5	15.3	1	<0.2	(1	7	49	₹10	15	_	
A053S 536393	9095090	9		0.04		1.46	0.02	0.07	0.17	0.36	388	29	1280	8.3	29	8	40.9	152	<3	20.1	⟨1	<0.2	2	7	51	₹10	15		
A054S 537299	9094821	3	⟨0.5	0.04		1.4	0.02	0.07	0.2	0.13	176	14	1310	5.14	19	4	53.4	115	√3	19.2	<1	0.4	71	<	48	<10	11	-	
A055S 569574	9109192	1 7	⟨0.5	0.05		1.51	0.02	0.09	0.48	0.25	338	19	1160	6.62	25	5	23.2	83.9	<3	41	<1	<0.2	⟨1	<	75	<10	8		
		•																											

Table A-8 Results of Analysis of Geochemical Survey Samples (2/15)

Sample No.   UTM(E)   UTM(N)   Au   Be   Na   Mg   Al   P   K   Ca   Ti   V   Cr   Mn   Fe   Co   Ni   Cu   Zn   As   Sr   Mo   Ag   C   Co   No.	2d Sb 2m ppm 4 < 5 <1 < 5 1 < 5 2 < 5 2 < 5 4 < 6	<del></del>		<del></del>	Pb ppm p
A056S 569699 9109097 <1 <0.5 0.06 0.45 1.51 0.02 0.07 0.56 0.67 613 40 1400 10.7 45 12 24.6 136 <3 52.6 <1 <0.2 A057S 569680 9111393 1 <0.5 0.05 0.5 1.58 0.03 0.09 0.52 0.18 267 22 1040 5.98 22 4 23.3 69.7 8 47 <1 <0.2 A058S 569267 9111491 <1 <0.5 0.04 0.36 1 0.02 0.03 0.45 0.27 300 15 990 6.14 24 4 14.9 84.3 <3 33.3 <1 <0.2 A059S 568143 9112932 1 <0.5 0.05 0.58 1.43 0.02 0.03 0.53 0.55 537 49 1480 8.62 36 13 21.9 4.55 <3 66.2 <1 <0.2 A060S 567748 9112771 4 <0.5 0.08 0.54 2.1 0.04 0.08 0.85 0.4 427 65 1360 8.1 33 10 26.4 148 <3 90.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 <0.5 0.05 0.05 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2 A061S 567802 9112332 <1 <0.5 0.07 0.04 0.08 0.08 0.08 0.08 0.08 0.08 0.08	4 (5 (1 (5 1 (5 2 (5 2 (5	<\$ 6 <\$ 8	6 <10	<del></del>	
A057S 569680 9111393 1	2 <	< 8			.31
A058S 569267 9111491 <1 <0.5 0.04 0.36 1 0.02 0.03 0.45 0.27 300 15 990 6.14 24 4 14.9 84.3 <3 33.3 <1 <0.2 <0.2 <0.2 <0.2 <0.4 <0.5 <0.6 <0.5 <0.05 0.05 0.58 1.43 0.02 0.03 0.53 0.55 537 49 1480 8.62 36 13 21.9 155 <3 62.2 <1 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2	2 <		1 <b> </b> <10		⟨2
A059\$ 568143 9112932	2 <				3
A061S 567802 9112332 <1 <0.5 0.07 0.43 1.56 0.02 0.04 0.62 0.68 663 39 1.570 11.3 48 12 23.1 144 <3 60.2 <1 <0.2		<5 6	7 <10	8	4
	A (4	< 9	6 <10	12	6
A062S 567701 0112450 5 (0.5 0.1 0.57 2.23 0.03 0.08 0.85 0.45 208 50 1310 7.53 31 01 252 141 /21 0.20 /1 /0.21	71 \4	<5 9	3 <10	7	5
[MODES   100 ( FO )   101   10	2 <5	< 8	B <10	12	3
A063S 564095 9108230 2 0.6 0.07 0.32 2.84 0.02 0.07 0.46 0.23 282 18 1360 6.86 30 5 29 83.6 <3 98.9 <1 <0.2	<1 <5	< 26	0 <10	15	6
A064S 564148 9108167 1 0.5 0.05 0.46 2.32 0.02 0.07 0.44 0.7 650 69 1810 11.5 49 12 27.8 169 <3 69.3 <1 <0.2	4 <5	< 12			5
A065S 564656 9108233 <1 0.5 0.04 0.3 2.2 0.01 0.04 0.36 0.47 428 31 1450 8.69 36 7 24.2 119 <3 51.9 <1 <0.2	2 <5	< 16	3 <10		- 8
A066S 560248 9105606 1 0.5 0.03 0.16 1.61 <0.01 0.03 0.16 0.97 400 22 2830 10.6 43 4 20.5 293 <3 27.2 <1 0.3	4 <5	<5 10		-	8
A067S 560341 9105426 1 <0.5 0.04 0.3 1.92 0.01 0.02 0.27 0.88 626 63 1770 11.1 50 11 24.1 179 <3 41.5 <1 <0.2	4 <5	<5 11			5
A068S 561136 9104683 7 0.6 0.04 0.52 2.46 0.01 0.03 0.35 0.69 664 90 1730 10 50 15 29.1 119 <3 69.5 <1 <0.2	3 (	<\$ 15	$\overline{}$	-	3
A069S 561801 9103263 <1 <0.5 0.03 0.42 1.37 <0.01 0.02 0.17 0.97 869 98 1860 12.8 61 15 23 174 <3 32.5 <1 <0.2	6 <	< 7			- 5
A070S 560616 9102048 <1 0.5 0.03 0.59 262 0.02 0.02 0.39 0.38 452 43 1340 7.8 39 9 31.6 87.1 <3 63 <1 <0.2	2 <5	<\$ 11:			<u> </u>
A071S 560485 9102098 2 0.6 0.06 0.92 3.03 0.01 0.02 0.55 0.83 817 117 1520 11.6 59 18 32.1 139 3 66.9 3 40.02 10.0	4 <5 3 <₽	<1 8·			<2
A072S 561515 9101918 1   <0.5   0.03   0.34   1.09 <0.01   0.01   0.16   0.76   665   66   1580   11.1   49   12   18.1   153   <3   24.1   <1   <0.2	2 <5	<\$ 5:		+	2
	2 (9	<\$ 12 <\$ 6			6
A074S 563047 9093736 1   <0.5   0.04   0.34   1.62   0.01   0.03   0.72   0.29   396   34   1230   7.75   32   8   22.5   118   <3   104   <1   <0.2   A075S 562996 9093673 3   0.6   0.04   0.4   1.49   0.01   0.02   0.57   0.77   784   91   2200   13.6   58   21   26.3   248   <3   77.6   <1   <0.2	6 3	<5 4			3
A076S 563458 9093139 3 <0.5 0.04 0.31 1.57 0.01 0.02 0.85 0.28 410 40 1700 8.01 31 12 20.6 147 <3 129 <1 <0.2	1 24	< 5 7		•	5
A077S 563473 9093206 <1 <0.5 0.05 0.38 1.73 0.02 0.04 0.77 0.48 563 66 1700 10.4 44 14 24.5 181 4 96.6 <1 <0.2	3 3	₹ 6			4
A0785 562215 9094525 3 <0.5 0.04 0.31 1.3 0.01 0.03 1.05 0.74 699 60 1310 11.1 49 17 25 146 10 71.3 <1 <0.2	5 3	₹ 8	_		- 5
A079S 562167 9094241 <1 <0.5 0.04 0.35 1.75 0.02 0.03 1.05 0.13 312 48 1390 6.68 25 9 21.2 118 5 123 <1 <0.2	7 7	₹ <del>1</del> 7	+		5
AQBOS 562453 9093812 <1 <0.5 0.03 0.35 1.79 0.02 0.03 1.46 0.15 335 34 1500 6.48 23 11 25.9 99.7 <3 140 <1 <0.2	त त	<5 6			3
A081S 561354 9092780 <1 <0.5 0.03 0.4 1.7 0.01 0.03 0.62 0.48 599 44 1860 9.43 35 9 35.3 158 <3 80.1 <1 <0.2	3 <9	<5 6			4
A082S 561102 9092775 <1 <0.5 0.03 0.3 1.52 0.02 0.03 0.76 0.39 450 29 1380 8 30 10 26.2 128 23 74 <1 <0.2	2 <5	< 6	8 <10	23	7
A083S 560727 9094127 <1 0.5 0.04 0.42 1.56 0.01 0.04 0.52 0.48 569 52 1630 9 33 9 29.5 182 5 53.3 <1 <0.2	2 <5	< 6	2 <10	13	7
A084S 560084 9093389 <1 <0.5 0.04 0.4 1.84 0.02 0.08 0.36 0.19 246 17 1360 6.15 21 3 20.7 94.7 <3 43.7 <1 <0.2	<1 <	<\$ 9	5 <10	17	9
A085S 561560 9094683 <1 <0.5 0.03 0.27 1.93 0.01 0.03 0.32 0.45 495 57 1410 8.74 36 7 28.7 151 8 45 <1 <0.2	2 < 5	< 10	9 <10	47	7
A086S 555089 9097520 <1 <0.5 0.04 0.48 2.37 0.02 0.06 0.43 0.23 307 32 1460 6.79 29 6 31.2 88.3 <3 47.2 <1 <0.2	1 <	<\$ 9	5 <10		3
A087S 555048 9098005 <1 <0.5 0.04 0.4 1.59 0.02 0.04 0.39 0.35 358 45 1350 7.43 28 7 31.4 110 <3 28 <1 <0.2	2 <5	<5 5	6 <10		7
A088S 554578 9098927 <1 <0.5 0.03 0.52 1.6 0.02 0.07 0.41 0.11 146 19 1280 4.81 17 4 28 121 <3 29.2 <1 0.4	<1 <	< 7			9
A089S 554565 9098978 <1 <0.5 0.03 0.33 1.58 0.02 0.04 0.25 0.51 479 36 1480 9.37 37 7 30.3 130 <3 33.4 <1 <0.2	3 <	< 8	o		10
A090S 554778 9099045 <1 <0.5 0.04 0.36 1.74 0.02 0.04 0.28 0.35 384 29 1200 8.12 29 6 46.8 115 <3 37.3 <1 <0.2	2 <	< 8			13
A091S 556099 9098982 <1 <0.5 0.03 0.25 1.27 0.02 0.04 0.22 0.37 475 77 1320 9.4 35 9 39.2 112 <3 20.9 <1 <0.2	3 <	< 6	+		10
A082S 558367 9099077 <1 <0.5 0.02 0.19 0.75 0.01 0.02 0.14 0.19 370 69 844 7.87 22 6 35.3 59.7 <3 13 <1 <0.2	2 <5	<1 3			5
A093S 557067 9098964 <1 <0.5 0.07 0.34 1.86 0.02 0.07 0.42 0.25 295 91 1540 6.85 27 6 40.3 107 <3 45.3 <1 <0.2 A094S 558096 9099224 <1 <0.5 0.03 0.4 1.16 <0.01 0.02 0.19 0.94 859 82 1910 13.8 61 15 24.3 204 <3 24.3 <1 <0.2	2 3	<\$ 9			13 <2
A094S   558096   9099224   <1   <0.5   0.03   0.4   1.16   <0.01   0.02   0.19   0.94   859   82   1910   13.8   61   15   24.3   204   <3   24.3   <1   <0.2     A095S   549184   9097603   <1   <0.5   0.03   0.28   1.52   <0.01   0.06   0.12   0.72   612   43   1500   11.3   48   10   24.7   129   <3   25.9   <1   <0.2	4 3	<5 4 <5 12	* * * * * * * * * * * * * * * * * * * *	-	12
A0965 548652 9098386 <1 <0.5 0.04 0.15 1.23 <0.01 0.07 0.27 0.16 151 9 981 3.5 15 2 12.9 50.6 <3 25.3 <1 <0.2	7 7	\( \frac{12}{2} \)     \( \frac{1}{2} \)     \( \frac{1} \)      \( \frac{1}{2} \)     \( \frac{1}{2} \)      \( \frac{1}{2} \)      \( \frac{1}{2		<del></del>	8
A097S 548757 9098396 2 <0.5 0.03 0.33 1.59 0.01 0.08 0.27 0.31 239 18 1200 5.9 21 4 15.2 135 3 4.8 <1 <0.2	<del>11 1</del> 4	₹ 9	_		12
A0985 548638 9098496 <1 <0.5 0.04 0.24 1.42 0.02 0.09 0.2 0.09 0.2 0.3 288 19 1010 5.91 26 5 24.6 119 <3 22.4 <1 <0.2	11-74	<del>(1</del> 9			22
A099S 549112 9098988 44 0.5 0.04 0.38 1.77 0.01 0.11 0.23 0.45 405 63 1320 8.23 33 8 24.1 131 3 28.8 1 0.2	$\frac{1}{2}$	<del>(1)</del>	<del></del>	_	15
A100S 549405 9098966 26 (0.5 0.03 0.3 1.47 0.01 0.07 0.22 0.19 204 12 1050 5.13 18 6 17.6 97.6 (3 27.5 <1 <0.2	7 7	₹5 8	* ***		16
A101S 549754 9098931 <1 <0.5 0.03 0.27 1.29 <0.01 0.04 0.2 0.4 290 35 1240 6.7 24 4 13.5 163 <3 27.3 <1 <0.2	1 3	₹ 6		4	8
A102S 549976 9098625 7 <0.5 0.03 0.19 0.99 0.01 0.06 0.18 0.1 108 10 971 3.87 12 2 12 102 <3 17.8 <1 0.3	त त	₹ 5		+	17
A103S 539523 9098777 <1 <0.5 0.02 0.33 1.22 0.02 0.04 0.11 0.4 407 32 1340 8.18 33 6 33.2 123 <3 19.3 <1 <0.2	2 3	₹ 6	_		19
A104S 539500 9098678 <1 <0.5 0.02 0.42 1.12 0.02 0.06 0.1 0.32 329 21 1040 7.61 28 7 50.2 107 <3 12.2 <1 <0.2	2 3	₹ 3			3
A105S 540323 9098124 2 0.6 0.05 0.74 1.77 0.02 0.21 0.35 0.07 158 46 1300 5.07 17 7 37.3 145 6 29.1 2 <0.2	1 (	<\$ 7		-	22
A106S 540342 9098157 <1 <0.5 0.02 0.47 1.62 0.02 0.07 0.16 0.16 233 18 1320 6.1 24 4 50.7 121 <3 23.9 <1 0.7	1 <	< 7	4 <10	18	21
A107S 541425 9098643 <1 <0.5 0.03 1.09 1.88 0.04 0.05 0.39 0.04 124 19 1110 4.29 14 4 28.6 140 <3 20.1 <1 <0.2	त द	<5 2	3 <10	√5	2
A108S 541479 9098595 10 <0.5 0.03 0.56 1.12 0.02 0.05 0.18 0.26 331 21 1000 7.26 25 6 32.6 122 <3 15.3 <1 <0.2	1 4	<₹ 4	0 <10	5	14
A109\$ 541558 9098172 <1 <0.5 0.03 0.5 1.47 0.02 0.06 0.18 0.11 177 20 1220 5.01 19 6 41.9 145 <3 20.5 <1 <0.2	<1 <	< € 6	0 <10	15	16
A110S 531723 9103136 <1 <0.5 0.03 0.49 1.43 0.03 0.06 0.21 0.25 295 35 1450 7.07 24 6 77.2 231 <3 16.8 1 0.2	2 <	< 6	7 <10	15	29

Table A-8 Results of Analysis of Geochemical Survey Samples (3/15)

Sample			Au	Be	Na	Mg	Al	РΙ	К	Ca	Ti	I V I	Cr	Mn	Fe	Co	Ni I	Cu	Zn	As	Sr	Мо	Ag	Cq	Sb	Ba	w	Hg	Pb	Bi
No.	UTM(E)	UTM(N)	ppb	ppm	*	× 1	%	- 1	- X	<u> </u>	*	ppm	ppm	ppm	*	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A111S	520984	9105865	96	<0.5	0.03	0.44	0.92	0.01	0.03	0.18	0.72	706	40	1790	12.7	50	11	43.1	265	< 2	15.6	<1		6		54	<10	19	10	<5
A112S	511105	9105793	<1	<0.5	0.04	0.33	1.59	0.02	0.08	0.34	0.28	275	17	1380	6.24	27	4	29.1	99.3	73	27.8	<1	<0.2	1	7	107	<10	15	13	√5
A113S	511329	9105722	<1	<0.5	0.03	0.5	1.39	0.02	0.1	0.21	0.27	300	86	1350	6.89	28	11	56.7	197	<3	17.1	2	<0.2	2	रि	172	<10	14	-	₹5
A114S	535590	9092951	219	<0.5	0.04	0.21	0.75	0.05	0.11	0.28	0.18	242	. 16	1270	8.15	18	4	453	580	217	23.4	<1	2.3	4	₹.	231	<10	1120		7
A115S	538484	9090456	1	<0.5	0.03	0.97	2.49	0.02	0.06	0.56	0.22	349	52	1460	8.08	37	11	47.5	102	13	105	<1	<0.2	2	্র	92	<10	75	6	6
A116S	539926	9088177	2	<0.5	0.03	0.41	1.39	0.01	0.05	0.43	0.11	174	19	903	4.74	20	5	24.1	84.3	<3	47.3	<1	<0.2	<1	₹:	65	<10	41	4	₹5
A117S	553575	9092957	1	<0.5	0.04		1.5	0.02	0.04	0.43	0.54	559	59	1400	10.2	42	11	34.6	150	6	42.3	<1	<0.2	3	</td <td>85</td> <td>&lt;10</td> <td>19</td> <td>11</td> <td>&lt;5</td>	85	<10	19	11	<5
A118S	554721	9093022	8	<0.5	0.04	0.6	1.99	0.03	0.09	0.64	0.16	233	18	1870	6.81	27	- 6	40.4	173	51	28.3	<1	<0.2	1	<b>∵</b> </td <td>102</td> <td>&lt;10</td> <td>27</td> <td>40</td> <td>&lt;5</td>	102	<10	27	40	<5
B001S	532637	9118738	2	<0.5	0.04	1.15	3.14	0.01	0.09	0.66	0.38	477	37	1610	9.51	30	20	59	137	<3	101	<1	0.3	. <1	<;	92	<10	13	<2	14
B002S		9118808	1	<0.5	0.06	1.35	3.49	0.01	0.07	0.74	0.35	399	38	1540	8.61	32	27	67.3	108	<3	183	<1	<0.2	<1	<	87	<10	9	<2	13
B003S	533028	9118506	2	<0.5	0.05	1.38	4.67	0.02	0.07	0.65	0.26	344	48	1580	8.91	36	28	82.8	94.3	<u> </u>	107	<1	0.3	<1	<\$	137	<10	15		10
B004S	532970	9118456	2	<0.5	0.04	1.13	3.18	0.02	0.08	0.64	0.31	405	31	1480	8.82	29	19	60		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	104	<1	0.2	<1		96	<10	12		11
B005S	531468	9116984		<0.5	0.07	1.69	4.35	0.02	0.1	0.85	0.26	309	28	1460	7.7	28	20	78.8	104	- (3	235	<1	<0.2	<1	_ <9	116	<10	12	<2	9
B006S B007S	531491 534283	9117054	<1 <1	⟨0.5	0.06	1.47	3.54	0.01	0.06	0.78	0.39	-	30	1650	9.05	30	20	63.2	137	- 3	137	<1	0.2			89	<10	10		14
B007S	534283	9120714 9120722		<0.5 <0.5	0.05 0.05	1.36	4.11	0.01	0.05	0.64 0.68	0.34	-	63 57	1490	9.9	35 38	34 32	72.1	108	1	88.8	<1	0.3	<1	1	99	<10	13	<u> </u>	13
B009\$	534245	9120722	<1	⟨0.5	0.05	1.95	5.98	0.02	0.06	0.68	0.26	254	37	1680 1270	9.15 7.56	38	28	77 94.7		<3	97.3	<1 <1	0.3	<1	H	123	<10	13		10
B010S	534608	9116902	<1	⟨0.5	0.07	1.86	5.19	0.01	0.12	0.89	0.23	287	39	1380	7.36	35	29	90.9	85.3	- 3	229 147	- <del>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</del>	<0.2 <0.2	<1 <1	<del>  ``</del>	84 81	<10 <10	10 9	<2 <2	
B011S	533022	9115060	<u> </u>	<0.5	0.07	1.83	4.85	0.02	0.11	0.78	0.24	269	42	1290	7.47	31	32	103	92.3	<:	165	71	<0.2	7		80	<10	8	⟨2	8
B012S	532967	9115072	<1	<0.5	0.07	1.45	4.38	0.02	0.1	0.81	0.22	277	28	1450	7.58	28	20	73.8	95.5	~~~	197	<1	<0.2	- 21		126	<10	13		- 8
B013S	532316	9115050	₹1	0.6	0.04	0.75	2.74	0.01	0.08	0.53	0.65	602	39	1850	12.9	32	14	37.7	164	73	255	<1	0.4	- (1	1	134	<10	16	4	26
B014S	532311	9115112	<1	<0.5	0.05	1.17	3.21	0.01	0.09	0.68	0.34	385	24	1400	8.35	28	16	61.1	113	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	181	<u> </u>	0.3	<1	7	95	₹10	9	⟨2	13
B015S	532942	9116108	<1	<0.5	0.06	1.45	4	0.02	0.09	0.8	0.25		33	1420	7.88	28	21	72.6	102	73	157	<1	<0.2	<u> </u>	1	113	<10	12		9
B016S	532995	9116078	1	<0.5	0.05	1.53	4.46	0.01	0.11	0.7	0.22	289	35	1220	7.43	32	27	79.3	84.1	\(\frac{1}{3}\)	201	<1	<0.2	<1	दं	89	₹10	. 8	₹2	8
B017S	533375	9114536	<1	<0.5	0.04	1.03	3.56	0.01	0.08	0.57	0.26	290	16	1600	7.48	25	11	63.5	109	<3	152	<1	0.2	- (1	₹	164	<10	17		10
B018S	534075	9114646	2	<0.5	0.06	1.61	4.5	0.02	0.12	0.77	0.23	292	28	1220	7.54	31	23	100	92	<3	161	<1	<0.2	<1	₹:	87	<10	8	⟨2	8
B019S	535069	9113276	<1	<0.5	0.1	1.49	4.4	0.02	0.11	0.84	0.18	237	27	1330	6.88	27	20	76	86.7	₹3	192	<1	<0.2	<1	< 5	121	<10	12	<2	6
B020S	535219	9113310	<1	<0.5	0.08	1.49	4.4	0.01	0.11	0.81	0.29	329	33	1240	7.95	29	24	78.2	96.6	~	189	<1	0.2	<1	. <\$	77	<10	9	<2	11
B021S	535432	9113274	<1	<0.5	0.07	1.55	5.19	0.02	0.13	0.82	0.23	270	35	1400	7.74	30	25	79.6	94.6	V	207	<1	<0.2	<1	<5	127	<10	10	⟨2	9
B022S	534313	9113678	<1	0.5	0.03	0.48	3.68	0.01	0.1	0.42	0.22	237	22	1590	7.16	22	11	35.4	93.8	<3	118	<1	0.3	<1	<5	222	<10	27	4	9
B023S	534792	9115048	<1	<0.5	0.07	1.81	5.76	0.01	0.12	0.86	0.19	240	37	1260	7.27	32	28	93.5	79.2	<3	225	<1	0.3	<1	<\$	92	<10	8	<2	6
B024S	535274	9114388	<1	<0.5	0.1	1.29	4.32	0.01	0.13	0.89	0.23	282	27	1170	7.24	27	20	73.2	81	<3	202	<1	<0.2	<1	< <u>\$</u>	95	<10	9	,	8
B025S	535230	9114384	<1	< 0.5	0.07	1.71	4.66	0.01	0.12	0.86	0.22	243	27	1220	7.01	30	23	85	_	<3	241	<1	<0.2	<1	্র	85	<10	7	<2	6
B026S B027S	536915 537127	9114914 9114980	<1	<0.5	0.07	1.68	4.62	0.01	0.11	0.89	0.18	234	37	1170	6.85	29	27	83.8	76.2	<3	244	<1	<0.2	<1		86	<10	8	<2	6
B028S	536179	9115658	3	<0.5 <0.5	0.05	1.43	4.86 4.99	0.02	0.15 0.13	0.74	0.21	306 259	33	1420	8.12	31	23	83.6		<3	196	<u> </u>	0.4	<u> </u>	- 4	146	<10	10		9
B029S	536965	9117960		⟨0.5	0.07	1.64	5.67	0.01	0.13	0.67	0.21	304	37 48	1260 1370	7.32 8.92	31 34	29 31	84.9 94.8	79 88.1	<3	264 213	<1	<0.2	(1		82	<10	8	<2	4
B030S	536749	9116908	2	<0.5	0.05	1.63	5.71	0.01	0.07	0.72	0.21	275	45	1330	8.19	34	32	91.8	83.5		213	- 21	0.2 <0.2		1	114	<10	16	<2	9
B030S	536707	9116938	<u>-</u> 1	⟨0.5	0.05	2.05	5.57	0.01	0.07	0.72	0.21	280	56	1290	7.96	33	35	91.5	84	7	273	<u> </u>	0.2	<1	<del>  }</del>	128 80	<10 <10	15 8	<2 <2	<u>8</u> 8
B032S		9115752	1	<0.5	0.06	1.62	5.21	0.02	0.12	0.79	0.21	287	41	1320	7.9	31	28	86.4	82.3	73	182	<1 <1	0.2	<del>  \}</del>	- 29	130	<10	10		- 8
B033S		9117170	<1	0.6	0.04	0.89	4.58	0.01	0.08	0.52	0.46	519	30	1750	11.5	36	18	76.5	120	<3	104	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.3	7	7	181	<10	24	7	19
B034S		9118562	3	<0.5	0.15	1.34	3.73	0.02	0.11	1.33	0.21	261	22	993	6.05	23	21	60.7	72.6	√3	109	<u> </u>	<0.2	7	경	61	₹10	₹5	⟨2	
B035S		9118458	2	<0.5	0.18	1.82	5.03	0.03	0.16	1.68	0.2	228	25	1010	6.26	25	30	77.2	74.2	₹3	141	<u> </u>	0.3	7	7	69	₹10	7	₹2	
B036S	539874	9115584	<1	<0.5	0.11	1.31	2.63	0.04	0.1	1.1	0.25	264	14	1130	5.96	18	12	43.6	87.7	<3	80	<1	<0.2	र	₹3	41	₹10	6	⟨2	- 9
B037S	540144	9115904	1	<0.5	0.17	1.42	3.03	0.03	0.11	1.26	0.25	288	18	1090	6.19	21	16	52.5	87	<3	83.1	<1	<0.2	<u> </u>	₹3	35	₹10	6	₹2	၂
B038S	540022	9115906	<1	<0.5	0.17	1.5	3.11	0.03	0.11	1.25	0.21	273	19	1110	6.22	21	17	55.2	85.2	<3	83.7	<1	<0.2	<1	<₫	34	<10	- 5	⟨2	6
B039S	541670	9116576	1	<0.5	0.2	1.53	3.47	0.03	0.13	1.36	0.2	256	. 17	1070	5.9	21	17	57.7	81.1	<3	92.3	<1	<0.2	<1	<5	40	<10	5	<2	<u></u>
B040S	541647	9116808	- <1	<0.5	0.14	1.04	2.99	0.03	0.08	1.25	0.32	362	17	1030	6.11	20	16	54.9	97.8	<3	70.1	<1	<0.2	<1	<5	35	<10	<5	<2	. 11
B041S		9116518	<1	<0.5	0.12	1.19	3.17	0.03	0.14	1.12	0.28	_	18	1170	6.72	23	17	58.5	89.9	<3	81.1	<1	0.2	<1	< 5	55	<10	7	<2	10
B042S	542572	9117556	2	<0.5	0.13	1.1	2.8	0.03	0.1	1.09	0.27	317	19	1000	6.27	20	15	49.7	89.4	<3	73.2	<1	<0.2	<1	</td <td>44</td> <td>&lt;10</td> <td>7</td> <td>&lt;2</td> <td>9</td>	44	<10	7	<2	9
B043S		9119322	1	<0.5	0.16		3.96	0.02	0.14	1.32	0.29		28	1180	7.18	27	25	63.1	80.6	<3	119	<1	<0.2	<1	< 5	76	<10	6	<2	10
B044S		9119936	<1	<0.5	0.14	1.87	4.33	0.02	0.11	1.43	0.21	234	28	1500	6.21	31	29	73.9	71.2	<3	135	<1	<0.2	<1	< 5	83	<10	6	<2	6
B045S		9120972	<1	<0.5	0.15	2.03	4.91	0.03	0.16	1.47	0.2	228	28	1170	6.39	27	30	78.2	72.9	₹3	137	1	<0.2	<1	<₹	82	<10	7	<2	6
B046S	542130	9121490	1	<0.5	0.17	1.33	3.5	0.03	0.08	1.53	0.24	319	25	941	7.46	23	19	49.8	84.2	<3	94.9	<1	<0.2	<u> </u>	<ŧ	67	<10	<5	<2	8
B047S	539618	9120390	3	<0.5	0.18	1,74	4.46	0.03	0.11	1.43	0.23	241	29	1030	6.12	24	28	71.8	71.6	<3	119	<1	0.9	<1	<5	52	<10	8	<2	7

Table A-8 Results of Analysis of Geochemical Survey Samples (4/15)

C1-		<del></del>	Au	0-	Na	Mg	Al	Р	К	Ca	Ti I	v	Cr	Mn	Fe	Со	Ni T	Cu	Zn	As	Sr	Мо	Ag	Cd	Sb	Ba	w	Hg	РЬ	Bi
Sample No.	UTM(E)	UTM(N)	ppb	Be ppm	Na K	- MB	- Al	<del>  [  </del>	<u> </u>	Va V	<u> </u>	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	mag	ppm	ppm	ppm	ppm	ppm
B048S	539798	9120228	900	⟨0.5	0.15		4.26	0.03	0.11	1.43	0.2	219	27	1020	5.98	24	31	72.7	69.1	<3	114	<u> </u>	0.3		<u> </u>	54	<10	7	<2	6
B049S	539883	9120048	3	<0.5	0.13	1.83	4.68	0.02	0.13	1.38	0.19	218	19	1080	6.24	26	26	78.3	71.8	₹3	161	<1	0.3	<u> </u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	67	<10	5	₹2	6
B050S	540124	9121132	5	⟨0.5	0.14		4.5	0.02	0.09	1.59	0.11	184	19	964	5.69	24	23	74.4	60.7	<3	103	<1	0.4	<1	</td <td>71</td> <td>&lt;10</td> <td>&lt;5</td> <td>&lt;2</td> <td>&lt;5</td>	71	<10	<5	<2	<5
B051S	541574	9121560	1	<0.5	0.15	1.11	3.21	0.03	0.07	1.58	0.18	291	20	940	6.75	21	16	44.9	80.6	<3	89.5	<1	0.2	<1	< ₹	75	<10	<5	<2	7
B052S	541402	9121474	2	<0.5	0.14	1.71	3.84	0.02	0.08	1.38	0.19	255	24	921	6.71	23	23	60.9	72.6	<3	89.4	<1	<0.2	<1	</td <td>73</td> <td>&lt;10</td> <td>&lt;5</td> <td>.&lt;2</td> <td>6</td>	73	<10	<5	.<2	6
B053S	568095	9117778	5	<0.5	0.02	0.35	1.29	<0.01	0.03	0.28	0.61	603	32	1660	13.8	27	14	24.3	203	<3	28.1	<1	<0.2	<1	<5	68	<10	8	5	25
B054S	567828	9118662	3	<0.5	0.03	0.4	1.65	0.01	0.08	0.3	0.31	447	31	1110	10	21	12	24.9	102	<3	33	<1	<0.2	<1	<:	80	<10	11	6	14
B055S	564421	9123546	11	0.5	0.07	0.37	2.02	<0.01	0.03	0.45	0.74	725	45	1600	15.7	34	18	26.2	156	<3	49.7	<1	0.2	<1	<:	145	<10	10	5	29
B056S	564322	9123032	9	<0.5	0.06	0.55	2.43	0.02	0.08	1.24	0.13	212	20	1120	5.97	17	11	29.1	76.7	<3	76.3	<1	<0.2	<1	<:	129	<10	13	4	6
B057S	557492	9122994	7	<0.5	0.13	0.28	1.73	0.01	0.02	0.77	0.54	528	47	954	10.8	23	14	14.3	109	<3	68.9	<1	0.6	<1	<u> </u>	69	<10	10	<2	21
B058S	557504	9123704	6	<0.5	0.1		1.34	0.01	0.02	0.62	0.53	506	60	828	10.5	22	14	12	108	<3	53.3	<1	0.2	<1	<:	49	<10	<5	<2	20
B059S	560556	9121076	11	<0.5	0.04	0.39	1.03	<0.01	0.02	0.29	0.73	757	56	1510	18	34	19	18.5	186	<3	22.2	<1	0.2	<1		33	<10	<5 (5	7	30
B060S	566046	9119576	4	<0.5	0.09	0.57	1.6		0.04		0.53	533	37	1410	12	24	16	20.3	168	<3	56.9		<0.2	<1	<:	56	<10	<5	3	20
B061S	566079	9119446	7	<0.5	0.04	0.46	1.42	<0.01	0.06	1.22	0.61	674	49	1530	15	28	19	24.1	189	<3	56.8	<1	0.3	<u> </u>	ς:	58	<10	<5 (5	5	25
B062S	565150	9119030	3	<0.5	0.14	0.69	1.71		0.05	0.82	0.45	429	90	1300	7.78	19	32	17.5	138	<3 /3	56.8	<1	<0.2		- 3	33	<10	<5 5	<2 E	16
B063S	568875	9121324	1 4	<0.5	0.05	0.56	1.96	0.01	0.06	0.64	0.55	602	52	1680	12.8	27	21	28.4	209	<3 /2	53.3	<1	0.3	$\overline{}$	1	87	<10 <10	6	5 6	22 27
B064S	569376	9122520	4	⟨0.5	0.04	0.38	1.05		0.03	0.27	0.7	703	68	1960 1500	15.2 16.1	29 31	21 18	21.7 18.4	198 162	<3 <3	24.1 25.6		0.2 0.4	_		52 50	<10	 <5	6	26
B065S	569166	9122622	10	⟨0.5	0.04	0.39	1.17		0.03	0.25	0.66	688 237	46 15	1230		12	6	18.4	126	41	84.6	- 1	0.4	$\overline{}$	- 3	59	₹10	33	10	10
B066S	518436	9090162	10	<0.5 <0.5	0.1	0.28	1.26		0.05	2.35 0.97	0.21	514	20	1550	7.39	24	읭	12.6	169	<del>7</del> 1	102		0.3	-		44	<10	9	5	22
B067S B068S	520785 520808	9088726 9088762	10		0.07	0.43	1.06		0.03	3.76	0.08	114	15	708	3.98	7	- 1	9.4	64.1	17	227	<1	0.2	$\overline{}$	<del></del>	205	<10	112	5	<5
B069S	523023	9088520	10		0.05		1.15		0.03		0.08	232	25	782	7.31	12	6	9.7	98	241	63.2	1	⟨0.2	- 21		343	₹10	233	<del>- 7</del> 1	
B070S	520852	9092408	10	⟨0.5	0.03	0.17	1.1	0.03	0.03	_	0.17	312	13	1250	10.5	13	7	19.4	135	20	29.7	<u> </u>	0.3			45	<10	26	10	11
B071S	520863	9092382		<0.5	0.02		1.1	0.02	0.03		0.23	310	19	1400	8.94	14	<del>- i</del> l	17.3	134	28	29.1	8	0.3	$\overline{}$	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	98	₹10	50	5	11
B072S	521580	9092666	1 2	<0.5	0.02	0.27	1.01	<0.01	0.03	0.17	0.47	515	25	1680	16.2	20	11	17.1	204	⟨3	20.2	2	0.4	_	~ <u>``</u>	43	<10	₹5	9	21
B073S	521270	9092874	1	<0.5	0.02	0.29	1.5	_	0.03	0.36	0.21	312	18	1280	8.67	13	6	15.5	130	26	23.7	<1	0.2	_	~ </td <td>66</td> <td>&lt;10</td> <td>39</td> <td>6</td> <td>11</td>	66	<10	39	6	11
B074S	517767	9090460	12	9.2	0.06	0.22	1.25		0.04	1.32	0.11	162	12	997	5.29	9	3	9.6	90.2	<3	77.5	<1	3.6	<1	<:	37	<10	12	4	6
B075S	517687	9090566	6	<0.5	0.05	0.29	1.52	0.05	0.04	1.28	0.1	145	9	1080	5.28	10	4	14.9	92.4	18	63.5	<1	0.2	<1	</td <td>63</td> <td>&lt;10</td> <td>25</td> <td>8</td> <td>5</td>	63	<10	25	8	5
B076S	522918	9090920	4	<0.5	0.05	0.48	1.85	0.05	0.02	0.52	0.59	281	9	2150	13	17	5	10.3	192	<3	53.1	<1	0.3	<1	<:	50	<10	5	4	23
B077S	523268	9093134	5	<0.5	0.02	0.21	1.61	0.02	0.03	0.25	0.04	199	17	663	6.26	10	4	24.3	47.7	16	27.2	<1	4.1	<1	</td <td>45</td> <td>&lt;10</td> <td>7</td> <td>7</td> <td>&lt;5</td>	45	<10	7	7	<5
B078S	523748	9093404	3	<0.5	0.02	0.45	1.66	<0.01	0.02	0.34	0.51	424	21	1720	12.1	22	8	17.5	162	<3	35.8	<1	0.2	<1	~	72	<10	7	7	20
B079\$	523804	9093404	7	<0.5	0.02	0.33	1.14	<0.01	0.03	0.21	0.7	822	44	1930	20.4	31	14	26.4	233	<3	25.3	<1	0.3	<1	₹	39	<10	5	10	30
B080S	521826	9094694	4	<0.5	0.01	0.19	0.76	<0.01	0.01	0.17	0.65	613	22	2230	18.4	26	10	17.5	305	9	11.5	<1	0.4	<1	₹	47	<10	206	10	29
B081S	525782	9093296	5	<0.5	0.03	0.44	1.93		0.04	0.42	0.17	350	21	1210	9.44	16	7	26.2	92.1	4	53	<1	<0.2		<u> </u>	60	<10	7	7]	9
B082S	525055	9089120	1	<0.5	0.03	0.2	1.36	•	0.03	1.18	0.15	257	17	867	7.49	14	6	13.6	102	7	77.4	<1	6.3	_		47	<10	10	5	8
B083S	525129	9089174	4	<0.5	0.04		1.23		0.02	1.39	0.56	544	39	1010	13.5	24	12	12.2	160	<3	43.7	<u> </u>	<0.2			30	<10	11	7	21
B084S	523283	9088086	1 1	<0.5	0.03	0.3	0.93		0.02	0.81	0.74	636	26	1870	18.5	27	11	15.4	238	16	38.2	<1	0.4	_	<u> </u>	160	<10	29	9	30
B085S	550853	9096629	2	0.5	0.04	_	2.39		0.05	0.58	0.59	531	35	1690	11.9		12	26	171	<3 <3	99.7	<1 <1	0.2			81 70	<10	19 14	3	21
B086S	550921	9096612	2	<0.5	0.03		1.54		0.05	0.36	0.48	481	24	1620	12.4	22	10	20.1	180 286	√3	39 23.5		0.2	$\overline{}$		46	<10 <10	10		20 32
B087S	550799	9096882	2	⟨0.5	0.03		1.29		0.03	0.18	0.83	681	36	2320	18.4 10.4	30 21	15 10	17 20.2	145	√3	76.5	<1	0.6	_	- >	95	<10	18	4	18
B088S	550302	9096970 9097154	1	<0.5 <0.5	0.03	-	2.08		0.05	0.44 0.45	0.46	424 310	24 15	1400 1720	8.65	14	7	16.7	201	√3	45.6	금	0.8	_	<del></del>	101	<10	20	- <del>"</del>	16
B089S B090S	550205 547693	9097154	2	⟨0.5	0.03	_	1.54		0.08	0.45	0.43	310	-	1140	8.25	16	10		139	√3	59.6	<del> }</del> ¦	<0.2		<del></del>	63	<10	18	<del>-  </del>	12
B091S	547550	9095946	3	⟨0.5	0.03		2.31		0.03	0.36	0.24	294		1410	7.71	16	9	23.4	135	4	42.2	(1	0.2	_	7	121	<10	30	13	10
B091S	541143	9096268	4	⟨0.5	0.02		1.21		0.07	0.40	0.12	146		685	3.74		12	17.9	94.1	3	20.1	71	<0.2		7	54	₹10	16	18	√5
B093S	540939	9096462	4	<0.5	0.04		1.21	<0.01	0.07	0.24	0.12	132	21	451	3.32	6	- '2	10.1	51.1	√3	29.5	71	1.1	_	7	43	<10	13	5	- 16
B094S	540282	9096092	5	⟨0.5	0.03		1.99		0.11	0.24	0.06	155		1340	5.05	16	8	65.7	177	9	21.5	1	0.3		7	78	<10	23	-15	₹5
B095S	540185	9096206	4	⟨0.5	0.04		1.19		0.1	0.28	0.11	144		696	4.17	—	5	13.1	79.4	5	23.7	<1	0.9	_	(	65	<10	11	8	<5
B096S	539879	9096334	8	⟨0.5	0.03	+	1.51	0.01	0.08	0.26	0.07	137		1100	4.1	12	6	35.5	187	5	22.4	<1	<0.2	•	<:	79	<10	14	12	<5
B097S	539804	9096504	1	<0.5	0.03		1.98		0.1	0.25	0.2	261		1700	7.31	22	13	91	272	9	20.5	<1	0.5	71	<:	55	<10	25	14	9
B098S	539834	9096284	6	<0.5	0.03	1	2.12		0.11	0.24	0.08	203	_	1480	5.99	19	11	56.4	191	4	20.7	<1	0.2	<1	_<:	128	<10	17	7	5
B099S	539322	9095416	3	<0.5	0.03	0.44	1.57		0.09	0.2	0.27	319	25	1240	7.81	19	10	43.9	131	5	17.1	<1	0.2	<1	<:	73	<10	36	15	11
B100S	539167	9095118	3	<0.5	0.04	0.47	1.49	0.02	0.1	0.24	0.2	230	17	1160	6.07	13	7	21.9	94.8	<3	19.5	<1	<0.2	₹1	<:	55	<10	14	4	8
B101S	537800	9094416	5	<0.5	0.04	-	1.72	0.02	0.08	0.24	0.41	428	39	1620	10.2	24	12	52.7	159	<3	19.3	<1	0.3	<1	<:	55	<10	<5	17	16
B102S	547506	9096833	7	<0.5	0.02	0.43	0.94	<0.01	0.03	0.16	0.65	616	43	1550	14.4	27	16	24.9	198	<3	14.2	<1	0.2	<1	<:	32	<10	6	12	25

Table A-8 Results of Analysis of Geochemical Survey Samples (5/15)

Sample	T		Au	Be T	Na	Mg	AI T	P	к	Ca	Ťi	V	Cr	Mn	Fe	Со	Ni	Cu	Zn	As	Sr	Mo	Ag	Cd	Sb	Ba	w	Hg	Pb	Bi
No	UTM(E)	UTM(N)	ppb	ppm	*	*	8	8	<del>%</del>	*	%	ppm	ppm	ppm	*	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B103S	547435	9096733	5	<0.5	0.02	0.5	2.27	0.02	0.07	0.51	0.15	228	25	1230	6.5	14		_	126	4	50.4	<u> </u>	<0.2	ρρ ∠1	7	114	<10	26	13	7
B104S	546365	9096586	6	<0.5	0.03	0.26	1.14	0.02	0.11	0.22	0.14	179	18	1030	5.52	11	6	21.5	137	9	19.9	₹1	0.5	- 21		101	<10	21	46	
B105S	546947	9096440	<1	<0.5	0.02	0.42	1.52	0.01	0.07	0.33	0.12	201	27	1790	5.81	12	ľ	33.4	272	5	25.5	71	0.3	$\rightarrow$	- (	81	₹10	11	77	<del> /</del>
B106S	538892	9093822	2	<0.5	0.02	0.44	1.48	0.02	0.09	0.33	0.11	232	19	919	6.24	14			91	7	19.3	<u> </u>	6.0			74	₹10	17	18	6
B108S	498895	9111260	<1	⟨0.5	0.02	0.29	1.59	0.02	0.07	0.26	0.21	234	25	966	6.37	12			88.1	√3	27.3	<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	3.6			85	₹10	8	12	10
B109S	496364	9111808	<u> </u>	<0.5	0.03	0.55	1.71	0.03	0.07	0.44	0.16	316	28	1210	7.39	17		27.5	127	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	29.5	<u> </u>	4.6	7	<del></del>	69	<10	17	- '4	- 19
B110S	494930	9112768	<u> </u>	⟨0.5	0.03	0.78	2.24	0.02	0.06	0.53	0.09	259	24	1090	6.73	17		26	91	(3	41.4	<u> </u>	<0.2	$\rightarrow$	<del>```</del>	76	₹10	- ''	4	<del></del>
B111S		9114068	₹1	⟨0.5	0.03	0.8	2.01	0.03	0.07	0.44	0.05	265	27	1280	7.02	17			95.4	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	35	(1	8.3	- ;	- "	51	<10	<del></del>	5	<5
B112S		9114128	1	₹0.5	0.04	0.64	2.54	0.02	0.06	0.52	0.13	256	20	1040	6.78	18	5		78.6	,,	40.7	71	7.7			96	<10	<del>- /1</del>	4	- 6
B113S		9114240	1	⟨0.5	0.04	0.42	2.14	0.02	0.05	0.48	0.16	_	20	1290	7.05	18			74	(3	42.4	7	0.2	- ;	- ;	148	<10	16	<del>- 7</del> 1	- 8
B114S	495749	9114282	<u> </u>	<0.5	0.03	0.61	2 18	0.02	0.06	0.43	0.09	203	18	1140	6.41	14	_		87.4	<3	34.7		5.4	- }		67	<10	- '7	<del>- 1</del>	6
B115S	495454	9118698	5	⟨0.5	0.08	0.33	1.76	0.01	0.02	2.29	0.56	449	46	1020	8.97	21	_		110	<3	89	<1	<0.2			73	<10	6	5	19
B116S		9119444	2	⟨0.5	0.05	0.93	3.42	0.02	0.08	1.65	0.22		44	1030	7.63	21			84	√3	92.2	<u> </u>	<0.2			99	<10	9	<2	8
B117S	487732	9144258	3	⟨0.5	0.04	0.16	1.08	0.01	0.01	0.42	0.35	352	21	1230	8.26	17		_	102	<3	29	8	<0.2			153	<10 <10	8	8	14
B118S	488420	9143766	<u> </u>	<0.5	0.04	0.22	1.82	0.01	0.02	0.42	0.46	_	18	1990	10.9	26	_		113	√3	36.5	<u> </u>	0.4	<del>- }</del> ;		256	<10	19	10	19
B119S		9143922	<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	⟨0.5	0.03	0.22	1.28	<0.01	0.02	0.42	0.63	593	28	1810	13.6	29	10		143	√3	19.6	<1	<0.2	<del>- }</del>	- 3	192	<10	14	11	25
B120S		9143568	1	⟨0.5	0.03	0.19	1.56	0.02	0.02	0.25	0.52	523	21	1450	12.2	23			141	√3	23.8	<1	0.2	$\mapsto$		136	<10	12	9	22
B121S	493746	9139980	<u> </u>	0.5	0.03	0.26	1.54	<0.02	0.02	0.17	0.74	-	33	1880	16.2	32			175	√3	19.9	<1	0.4			159	<10	10	9	30
B122S	493491	9141526	7	<0.5	0.02	0.22	1.45	<0.01	0.02	0.24	0.74	ightarrow	29	1600	13.6	26			154	/2	23.4	<1	0.4		<del></del>	139	<10	9	9	24
C001S		9110478	1	₹0.5	0.04	0.93	2.1	0.03	0.12	0.42	0.09		16	880	6.29	18		43		3	36.5	<u>\`</u>	0.2			108	<10	10	26	<del>- 24</del> <5
C002S	548654	9125750	3	<0.5	0.18	0.17	1.64	0.02	0.02	1.33	0.21	194	44	459	3.93	8	5	7.1	60.2	<3	98.9	<del>\`\</del> 1	<0.2		- ``	47	<10	7	10	$\frac{3}{3}$
C003S	549178	9141086		⟨0.5	0.06	0.17	0.94	0.04	0.02	0.39	0.71	649	41	1320	14	25	_		192	√3	27.6	<1	0.2			47	<10	49	5	
C004S	549181	9141802	1	⟨0.5	0.29	0.19	2.8	0.04	0.02	1.86	0.07	88	25	508	2.03	6	3	9.5	26.5	<3	166	7	<0.2		- 3	100	<10	7		27
C005S	547143	9140248	<1	<0.5	0.23	0.19	1.1	0.03	0.04	0.56	0.47	421	26	1010	8.84	18	9			√3	43.8	<1	<0.2			76	<10		<2	<5
C006S	548019	9139218	(1	⟨0.5	0.16	0.17	1.59	0.03	0.02	1.07	0.47	243	23	669	4.86	11	_			<3	87.7	<u> </u>	0.2			77		- /F	3	16
C007S	548422	9137608	> -	<0.5	0.10	0.17	0.86	0.02	0.02	0.48	0.73	_	36	1310	13.8	25			171	√3	28.1	<1	0.4				<10	<5 6	<2	- 9
C008S		9137612	<u> </u>	₹0.5	0.12	0.22	1.48	0.03	0.03	0.79	0.19		27	541	4.1	10				<3	67.7	<1	0.4			43 90	<10 <10		4	27
C009S	539897	9138090	<u> </u>	⟨0.5	0.08	0.17	1.64	0.02	0.03	0.78	0.15	336	16	973	7.3	17	-	_	80.7	√3	52.2	71	0.3			128	<10 <10	5	<2	14
C010S		9136748	71	⟨0.5	0.05	0.17	1.16	0.04	0.02	0.39	0.48		28	1060	9.53	18	_		125	/2	33.3	<1	0.2			100	<10	<5	2	
C011S	536612	9136722	(1	⟨0.5	0.07	0.10	1.37	0.03	0.02	0.85	0.42		37	1110	8.02	21			109	<3	47.9	<1	0.2		- (	106	<10	<b>₹</b> 5	6	18
C0113	532873	9131346	1	⟨0.5	0.07	0.21	1.05	0.04	0.04	0.39	0.42		35	1140	11.2	22			154	<u> </u>	30.4	<1	0.2	<del>  }</del>	- 3		<10	- 1	Ť	16
C013S	531646	9131242	<u> </u>	⟨0.5	0.04	0.21	0.84	0.03	0.02	0.33	0.7	606	27	1170	12.8	24				√3	22.6	<1	0.2		- (3	86 58	<10	5	5	23
C014S	527715	9131076	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	⟨0.5	0.04	0.29	1.05	0.03	0.02	0.34	0.84	-	46	1530	14.8	29				- (3	27	<1	0.2			79	<10	8	<del></del>	27 30
C015S	527603	9131098		0.5	0.03	0.23	1.29	<0.03	0.02	0.31	0.73	_	46	1160	11.1	29	_		140	73	28.3	<1	0.4	<del>- }</del> :		64	<10 <10	9	6 5	
C016S	528305	9128738	1	<0.5	0.03	0.39	1.86	0.02	0.04	0.85	0.73	_	46	1050	6.32	18	-			73	70.6	<1	<0.2			126	<10	- 5	<del>+</del>	25 10
C017S	528343	9128444	<1	⟨0.5	0.13	0.34	1.89	0.02	0.05	1.03	0.4	-	37	1110	6.31	20			105	/2	78.7	<1	0.2	<del></del>		129	₹10	6	4	13
C018S		9128462	1	⟨0.5	0.12	1.32	2.99	0.02	0.08	1.03	0.35	433	45	1030	7.75	25	_		103	- >3	131	- }	⟨0.2		- 3	57	<10	6	√2	10
C019S	529224	9129384	5	⟨0.5	0.12	0.44	1.77	0.02	0.03	1.01	0.45		34	892	7.75	21			99.3	\(\frac{\cappa_3}{3}\)	60.9	<1	<0.2		- (	74	<10		2	
C020S	529647	9129042	3	⟨0.5	0.13	0.44	2.5	0.02	0.03	1.04	0.43	333	37	949	6.5	21	_		86.9	√3	95.8	<1	0.2	$\mapsto$	- 5	90	<10	<5 8	₹2	15
C0203	530116	9128942	7	⟨0.5	0.12	1.65	3.68	0.02	0.08	1.21	0.12	231	23	1310	5.72	25			73.6	(3	136	<1	0.2	<del>  }</del>		156	<10 <10	13		9
C022S	530724	9128996	<del></del>	⟨0.5	0.11	1.12	2.81	0.02	0.14	0.94	0.12	$\rightarrow$	21	1150	4.78	19		_		√3	119	<1	0.4	<del>  }</del>		108	<10	6	16	<5 <5
C023S	530621	9129046	<del>                                     </del>	⟨0.5	0.1	1.29	3.06	0.02	0.08	1.16	0.08	167	19	962	4.64	20					118	<1	<0.2	1		_	<10		_	
C024S	531219	9129152	3	⟨0.5	0.18	0.34	2.6	0.02	0.06	1.13	0.24	272	40	1810	5.84	21			66.2	<u>√3</u>	102	- 21	0.2			114 274		5	<b>√2</b>	<5
C025S	531060	9129842	3	<0.5	0.18	1.21	3.08	0.02	0.09	1.16	0.12	<del></del>	22	1050	5.01	20			73.6	<3	120	<1	0.2	<del>  }</del>	- 5	_	<10 <10		_ 1	8
C026S		9132518	3	<0.5	0.08	0.4	1.43	0.02	0.05	0.89	0.12	645	83	1340	11.5	27			158	<u>√3</u>	53.3		0.2		- >	110 66	<10	10	7	<5
C027S	537807	9132510	2	<0.5	0.08	0.33	1.88	0.03	0.03	1.62	0.03	262	27	954	5.38	16	_	18.6	71.7	<3 <3	90.6	<1	<0.2	<del>- }</del>	- 3	113	<10 <10	8		23
C028S	537858	9132446	<1	<0.5	0.11	0.33	1.00	0.03	0.00	1.02	0.21	411	64	1230	7.83	20			113	√3	79.5	<1	<0.2	<del>  }</del>		89	<10 <10	9	- 3	6
C029S	538988	9132944	₹1	<0.5	0.13	0.44	2.56	0.03	0.07	1.58	0.49	_	41	1440	9.5	26			108	<u> </u>	109	<1	0.2		<del>}</del>	110	<10 <10	6		12
C030S	536440	9126954	⟨1	<0.5	0.15	1.2	3.18	0.03	0.08	1.35	0.49	318	50	1090	6.58	25			87.6	⟨3	113	<1	0.2		- 3	82	<10	9	<2	17
C0303	536390	9126932	<1	<0.5	0.13	0.81	2.37	0.03	0.14	1.12	0.23	421	41	1170	8.78	29	_		101	(3 (3	79.5	<1	<0.2		- 3	69	<10 <10	8	<2	
C032S		9126884	<1	⟨0.5	0.13	1.14	2.79	0.03	0.15	1.32	0.34	183	44	953	4.42	29			60.6	<3	79.5 85.9	<u>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</u>	0.2						8	12
C032S	536003	9126734	<1	⟨0.5	0.13	0.85	2.79	0.03	0.13	1.17	0.11	311	34	923	5.89	20			77.8	/3	79.8	<u> </u>	0.2		<del> }</del> ;	80	<10	<5	<2	<5
C034S	535730	9126832	1	<0.5	0.11	0.83	2.26	0.03	0.13	1.17	0.24	386	38	1210			_				-			<u> </u>	- 5	53	<10	<b>&lt;5</b>	<2	
C034S		9126856		<0.5	0.12	0.74		0.03	0.07	0.94	0.33	547	41	1040	6.98	24			86 117	- 3	98		0.2		<u> </u>	85	<10	<5 /5	<2	10
C036S		9127624	-	<0.5	0.11	0.72	1.96		$\overline{}$	$\overline{}$	0.40	204	29		8.93		_			(3	73.1	<1	0.3	-3		31	<10	<5 C	4	15
00302	03000/	J12/024		(0.3	U. 14	0.72	2.7	0.03	0.12	1.16	Ų. 12	204	29	913	5.45	19	11	48.2	66.7	<3	105	<u> </u>	0.3	<1	<:	118	<10	6	6	<5

Table A-8 Results of Analysis of Geochemical Survey Samples (6/15)

Sample	UTM(E)	UTM(N)	Au	Be	Na	Mg	Αl	Р	K	Ca	_ Ti	٧	Cr	Mn	Fe	Co	Ni	Сш	Zn	As	Sr	Мо	Ag	Cq	Sb	Ba	W	Hg	РЬ	Bi
No.	UTM(E)	O I MI(IN)	ppb	ppm	*	%	%	- %	*	%	%	ppm	ppm	ppm	. %	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
C037S	534460	9128260	2	<0.5	0.09	0.41	1.46	0.03	0.09	0.76	0.43	454	29	1180	8.51	20	12	23.4	145	<3	57.1	<1	0.2	<1	Ÿ	74	<10	<5	9	15
C038S	534914	9128922	<1	<0.5	0.02	0.24	0.61	0.04	0.01	0.25	0.79	679	46	1230	14	27	13	12.4	194	<3	15	<1	0.2	<1	\cdot\	32	<10	<5	6	30
C039S	537726	9127054	3	<0.5	0.07	0.91	2.29	0.03	0.17	0.9	0.25	373	30	1100	7.93	28	17	57.8	91.2	<3	56.1	<1	0.3	<1	₹	88	<10	<5	6	10
C040S	537418	9124744	1	<0.5	0.16	1.23	3.29	0.02	0.18	1.48	0.17	250	35	1010	5.32	22	20	54	63	₹3	104	<1	0.2	<1	</td <td>70</td> <td>&lt;10</td> <td>&lt;5</td> <td>&lt;2</td> <td>&lt;5</td>	70	<10	<5	<2	<5
C041S	537709	9124490	1	<0.5	0.11	1.46	3.9	0.03	0.16	1.51	0.23	249	25	1420	5.91	29	27	69.2	68.8	<3	98.8	<1	0.3	<1	₹	101	<10	6	<2	6
C042S	538321	9124254	3	<0.5	0.17	1.47	3.68	0.02	0.1	1.4	0.42	454	67	1170	8.42	30	30	52.6	90.1	<3	135	<1	0.3	<1	₹	60	<10	5	<2	12
C043S	538344	9124246	<1	<0.5	0.21	1.46	4.13	0.03	0.16	1.66	0.26	267	33	1140	5.96	27	27	59.3	71.1	₹3	160	<1	0.3	<1	₹	77	<10	9	<2	6
C044S	537393	9123582	<1		0.18	1.52	3.79	0.03	0.1	1.49	0.37	341	47	836	7	25	32	60.6	80.6	<3	135	<1	0.2	<1	₹	48	<10	7	<2	10
C045S	537379	9123586	<1	<0.5	0.13	1.64	4	0.03	0.1	1.55	0.31	307		877	6.66		30		81.8	√3	120	<1	0.3	<1	ζ:	57	<10	7	<2	8
C046S	538157	9123242	<1	<0.5	0.16	1.67	4.4	0.02	0.14	1.6	0.29	308	46	1200	6.8	29	29		74.1	<3	208	<1	0.3	<1	٠ </td <td>76</td> <td>&lt;10</td> <td>. 8</td> <td>&lt;2</td> <td>7</td>	76	<10	. 8	<2	7
C047S	538225	9123312	<1	<0.5	0.15	1.72	3.98	0.02	0.09	1.33	0.33	380	50	1150	7.54		32		80.3	<3	131	<1	0.2	<1	</td <td>64</td> <td>&lt;10</td> <td>7</td> <td>&lt;2</td> <td>8</td>	64	<10	7	<2	8
C048S	539105	9124450	<1	<0.5	0.12	1.41	3.29	0.03	0.13	1.3	0.26	328	49	1110	6.69	27	30	54.7	74.8	<3	110	<1	0.2	<1	₹	77	<10	5	<2	6
C049S	540774	9124416	<1		0.08	1.43	2.94	0.02	0.14	1.02	0.2	317		1260	6.9		_		87.9	<3	68.9	<1	0.3	<1	<:	90	<10	<5	<2	5
C050S	549597	9144542	<1		0.1	0.19	1.85	0.02	0.04	0.72	0.11	147	12	636	3.49	10	4		49.1	<3		<1	0.2		<:	158	<10	16	. 4	<5
C051S	557435	9144124	<1		0.12	0.22	1.4	0.04	0.05	0.68	0.1	108	13	433	2.61	7	4	13.2	43	<3	55.9	<1	<0.2		<u> </u>	74	<10	<5	<2	<5
C052S	557458	9144196	<1	<0.5	0.12	0.24	1.13	0.05	0.03	0.65	0.29	303		688	6.83	13	7	12.6	107	<3	47.1	<1	<0.2		<:	47	<10	<5	<2	10
C053S	554120	9142778	1	<0.5	0.22	0.31	2.13	0.02	0.04	1.42	0.1	104		622	2.55	7	4	12.6	35.8	7	122	<1	0.2		ζ:	105	<10	7	<2	<5
C054S	558565	9137410	<1	<0.5	0.12	0.21	1.34	0.04	0.05	0.66	0.12	124		443	2.98		4	12.3	48.4	<3		<1	<0.2			68	<10	6	<2	<5
C055S	557874	9137674	<1	<0.5	0.09	0.26	1.05	0.04	0.03	0.5	0.39	400	36	844	8.63	17	9	13.4	128	<3	37	<1	0.2	_		49	<10	5	3	14
C056S	558753	9137370	<11	<0.5	0.09	0.2	1.04	0.05	0.03	0.53	0.23	245		574	5.41	11	6		85.6	<3		<1	<0.2		_ <:	51	<10	5	<2	B
	556734	9133610	2	<0.5	0.03	0.35	0.89	0.01	0.01	0.22	0.9	891	57	1310	16.4		19		176	<3	18.6	<1	0.3		~~~	40	<10	6	4	30
	556403	9133050	3	<0.5	0.06	0.27	1	0.02	0.02	0.38	0.69	633		1050	11.6	27	16	-	130	<3	33.6	<1	<0.2	<1	<:	63	<10	6	3	23
	551412	9127764	8	<0.5	0.05	0.33	1.18	0.01	0.03	0.44	0.58	557	_	1070	10.2	24	14		134	<3	40.3		0.2	_	<u> </u>	67	<10	. 7	6	19
	552308	9127006	5	<0.5	0.2	0.34	2.33	0.03	0.03	1.21	0.72	656		1170	12	28	18		124	<3	119	<1	0.2	. <1	~	102	<10	21	<2	23
	551425	9127972	4	<0.5	0.07	0.35	1.34	0.01	0.04	0.54	0.67	614	_	1140	11.6		16		132	<3		<1	<0.2	<1		82	<10	6	5	19
	552671	9129186	7	<0.5	0.04	0.32	0.96	0.01	0.01	0.28	0.82	769	68	1180	15.5	34	19		175	<3	24.1	<1	0.2	<1	<u>-</u>	40	<10	5	4	29
	554392	9134870	9	<0.5	0.06	0.18	1.15	0.03	0.03	0.43	0.3	310		692	6.06	15		12.7	86.1	<3	38	<1	<0.2	<1	~	82	<10	6	3	10
	553624	9133940	- 1	<0.5	0.09	0.24	1.18	0.04	0.03	0.53	0.39	413		802	8.26	18	9	14	115	<3		<1	0.4	-		59	<10	8	2	13
	560957	9080874	2	<0.5	0.04	0.45	1.42	0.02	0.06	0.4	0.21	354	71	804	8.59	18	12		75.3	23		<u> </u>	0.2	_		38	<10	14	8	8
	564394	9088762	<1		0.01	0.22	1.5	0.02	0.03	0.18	0.17	424	_	1000	9.07	20	8	45.3	56.9	10		<1	0.2	<u> </u>	<u>``</u>	114	<10	17	9	8
	564819	9080694	4	<0.5	0.03	0.33	1.21	0.01	0.05	0.24	0.5	732	62	1060	14		17		92.2	<3		(1	<0.2	<u> </u>		42	<10	38	9	19
	566570	9081648	6	<0.5	0.04	0.53	1.7	0.02	0.07	0.42	0.44	616		1420	12	_	15	-	132	<3		<u> </u>	0.2	-	<u> </u>	48	<10	16	- 7	16
C069S	567275	9081198		· <0.5	0.04	0.49	1.54	0.03	0.07	0.42	0.31	381	52	1120	9.14	16	13		125	13		- (1	0.3	_	<u> </u>	32	<10	19	8	11
C070S	567290	9081528	<1	<0.5	0.04	0.48	1.54	0.03	0.08	0.41	0.11	182	25	779	7.43	13	10		96.9	24		!	0.3			32	<10	31	7	5
C071S C072S	569044	9082936 9083540	<1 2		0.07	0.51	1.97	0.02	0.09	0.57	0.28	369	55	1120	8.34	19	12		107	17		<1	0.3	<u> </u>	- ï	42	<10	21	6	10
	569515 569400	9083560	<u>2</u>	<0.5	0.07	0.53	1.99	0.02	0.07	0.4	0.18	259	34	926	7.67	19	12		71.4	12	_	3	<0.2	- <u>-                                  </u>		45	<10	<b>&lt;5</b>	9	
	569444	9083606	· <1		0.07	0.58	2.02 1.46	0.04	0.07	0.65	0.17 0.11	245	38	1030	6.85	15	11	36.3	89.4 106	16		(1	0.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		40	<10	<5 <5	6	6
	568625	9082676	<1	<0.5 <0.5	0.04	0.42	2.28	0.03	0.06	0.65	0.11	161 263	25 43	766 1260	7.67 7.8	15 17	10		84.7	29 <3		(1	<0.2 <0.2			32	<10	<5 <5	8	
	568013	9082216	<u> </u>	⟨0.5	0.06	0.50	2.44	0.03	0.06	0.65	0.03		59	1350	11.6	23	16		135	7		<u> </u>		- };	- 3	39 50	<10	√5	4	<5 17
C077S	568165	9091004	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	⟨0.5	0.1	0.01	2.44	0.03	0.13			609	38			22	14		98.7		66.2	- 31	0.3 <0.2		- 3		<10		7	
	568188	9091042	<1 <1	⟨0.5	0.04	0.35	1.64	0.01	0.06	0.67	0.43	454 471	52	1100 1350	9.3 10.2	24	13		137	10 21		<1	<0.2	- 2	<del>}</del>	67 56	<10 <10	<5 <5		15
	568030	9091428	5	⟨0.5	0.04	0.35	1.65	0.01	0.07	0.53	0.43	436	49	1200	9.49	19	14		106	<3	36.2 54	<1		1	- 3	46	<10	√5	56 6	15
$\overline{}$	567079	9092214	<1 <1	_	0.07	0.39	1.72	0.01	0.03	-	_	419		1210		22	13	-	167	11		_	0.3		<u> </u>				<del>} </del>	12
	567079	9092260	3	0.7	0.03	0.56	2.38	<0.01	0.07	0.58 0.76	0.21	869		1550	8.09 16	32	25		188	<3	86.5	<1	<0.2 <0.2		H	60 44	<10 <10	<5 21	3	21
	567037	9092246	2	0.6	0.05	0.53	1.88	0.01	0.05	0.78	0.66	723	83	1360	12.7	30	21	21.0	170	5	111	- };	⟨0.2		-	52	<u>₹10</u>	17	- 3	16
C083S	568118	9092421	2	0.0	0.03	0.45	2.07	0.01	0.06	$\rightarrow$			111	1450	14.7		22	26	208	9		<1				-			- 6	
C084S	568218	9092427	<del>                                     </del>	0.7	-	0.45	1.17	<0.01	0.05	1.31	0.69	759 831	70	1260		29 34	22		155			- ;;	<0.2 <0.2	<del>                                     </del>	<del>}</del>	66	<10 <10	33	16	17 23
	568309	9092437	10		0.04	0.45	1.17	0.01	0.03	0.34 1.54	1.16	1030		1660	16.8 19.1	41	33		205	8 3	-		0.3	<del></del>	<del>}</del>	27 65	<10 <10	11 24	10	
	568672	9092872	2	0.8	0.03	0.43	1.23	<0.01	0.03	0.47	1.10	1180	96	1640	23.2	52	32		203	<u>3</u> ⟨3	43.3	<1	0.3		<del></del>	42	<10	12	- 4	29 35
****	568582	9096414	<1	<0.5	0.03	0.42	1.79	0.01	0.02	0.47	0.25	398	49	1350	8.98	24	14	25.2	131	21	59	- ;;	<0.2			76	<10	33		<u></u>
	569107	9095792	4	0.6	0.04	0.26	1.43	<0.01	0.07	0.53	0.23	550	49	1110	11.2	23	13	-	161	<u>∠1</u> <3	57.1	- 11	<0.2	<del>  }</del>	<del>- ``</del>	76 52	<10	9	3	15
	569144	9095792	5	0.8	0.07	0.20	1.74	<0.01	0.03	0.53	1.06	997	81	1520	18.5	43	26		199	<3	73.8	- };	<0.2	<del>                                     </del>	<b>├</b>	57	<10	16	5	29
	569140	9095562	3	0.5	0.09	0.33	3.02	0.02	0.03	1.47	0.34	381	40	1350	7.86	23	11	28.8	81.8	- \3	122	- };}	<0.2			143	<u> </u>	34	4	- 28
	569310	9093502	- 3	⟨0.5	0.09	0.33	1.82	<0.01	0.04	2.52	0.48	488	52	922	10.2	24	16		93.1	22		- 1	<0.2	<del>  }</del>	- 3	43	₹10 ₹10	43	4	/
100313	000010	10090301		\0.3	U.1	0.20	1.02	\U.U1	0.03	4.54	V.40	+00	1 22	722	10.2	1 44	10	20.3	9J. 1		02.1	1	\U.Z		_ \S	<u> </u>	\ IU	. 43	4	111

Table A-8 Results of Analysis of Geochemical Survey Samples (7/15)

Sample	UTM(E)	UTM(N)	Au	Be	Na	Mg	Al	Р	К	Ca	Ti	٧	Cr	Mn	Fe	Со	Ni	Cu	Zn	As	Sr	Мо	Ag	Cq	Sb	Ba	W	Hg	РЬ	Bi
No.	O T MICE		ppb	ppm	- %	*	%	- %	*	*	*	ppm	ppm	ppm	- %	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
C092S	553966	9089362	5	0.6	0.09	0.32	2.4	0.01	0.06	1.64	0.38	471	59	1530	9.7	29	14	29		32		1	<0.2	<u> </u>		74	<10	36		8
C093S	553952	9089910	<1	0.7	0.04	0.49	2.46	0.02	0.06	0.62	0.29	409	32	958	8.66	21	8	25.4	•	17	162	<1	<0.2			78	<10	69	6	- 6
C094S	553653	9089580	1	0.6	0.09	0.33	1.84	<0.01	0.04	1.17	0.71	722	71	1330	13	32	19	24.8	•—	10		<1	<0.2			43	<10	19		17
C095S	551910	9088686	<1	<0.5	0.03	0.55	2.38	0.01	0.07	0.49	0.17	322	31	1380	7.96	25	9	26.9	•	9	75.6	<1	<0.2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		85	<10	18		<5
C096S	552096	9089196	5	0.6	0.04	0.41	1.24	<0.01	0.03	0.69	0.88	982	83	1660	18.9	36	23	30.8		5			0.3			28	<10	12		24
C097S	552082	9089260	2	0.5	0.03	0.43	1.8	0.01	0.1	0.45	0.35	439	43	1190	9.09	23	12	23.6				<1	<0.2		- 3	74	<10	23		
C098S	551863	9088774	- !	<0.5	0.05	0.45	1.5		0.02	0.55	0.29	503	56	1110	10.3	19	16	26.2	122	10	54.7	<1	1,4:2			38	<10	18		
C099S	550898	9089058		0.5	0.05	0.44	1.63	0.01	0.06	0.9	0.53	682	55	1430	13	26	16	26.5		10		<1	<0.2			53	<10		5	13
C100S	550475	9087662	4	<0.5 <0.5	0.06	0.32	1.91	<0.01 0.02	0.05 0.12	1.58 0.32	0.34	422 377	44 45	1410 860	9.13 8.02	17	14 11	23.4 16.8		20 6	111 30	<1	<0.2 <0.2		1	62 51	<10 <10	25 41	- 8	
C101S	549727	9089902		⟨0.5	0.04	0.29	1.49	0.02	0.12	1.04	0.33	243	39	908	5.86	17	- ' '	18.8				1	⟨0.2	1		68	<10	36	-	<5
C102S C103S	548969 542168	9088384		⟨0.5	0.04	0.18	1.45	0.01	0.07	0.38	0.21	446	40	1190	9.57	21	12	51.5		<3		<1	0.2	1	<del>```</del>	252	<10	18	_	
C104S	543626	9094278	<del>                                     </del>	⟨0.5	0.02	0.33	1.23	<0.01	0.12	0.30	0.16	244	32	1160	5.91	12		15.1		(3	34.4	<u> </u>	⟨0.2	<del>                                     </del>	1	47	<10	16	_	√5
C104S	543563	9094824	- <del>(</del> 1		0.03	0.37	1.16	<0.01	0.08	0.28	0.64	614	41	1440	12.9	26	14	37.8		(3	33.6	<1	⟨0.2	$\rightarrow$		107	<10	16	_	17
C106S	544008	9096062	5	<0.5	0.02	0.64	1.76	0.02	0.08	0.39	0.12	268	57	1260	6.53	20	17	33.9		4		<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	⟨0.2	- 2		71	₹10	13	24	√5
C106S	543955	9096050	1	0.6	0.02	0.04	0.92	<0.02	0.08	0.35	0.12	745	50	1500	15.6	31	18		208	<3		<1	0.4	<del>  }</del>	1	31	<10	18		21
C108S	543896	9096215	(1)		0.02	0.58	1.63	0.01	0.04	0.17	0.83	342	42	1280	7.42	17	9	22.8		3	47	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	⟨0.2	$\vdash \stackrel{\sim}{\sim}$	1	68	<10	17	10	<u>₹1</u>
C109S	543306	9095210	रा	0.5	0.03	1.07	2.21	<0.01	0.09	0.36	0.53	490	60	1740	10.9	28	19	_	168	√3		<u> </u>	⟨0.2	<del>  ``</del>	7,	79	<10	15		12
C110S	543057	9095382	- 31	<0.5	0.02	1.07	2.01	<0.01	0.06	0.36	0.33	377	36	1280	8.52	24	16	_		√3		<u> </u>	₹0.2	7	<u> </u>	63	₹10	11	2	- <del>1</del>
C111S	542147	9094884	ती	<0.5	0.02	0.31	1.18		0.09	0.2	0.39	418	29	1130	9.39	21	11	17.8		√3		<u> </u>	₹0.2	7	ζ:	56	₹10	13	7	اؤ
C112S	542178	9094892	(1		0.02	1.31	2.22	<0.01	0.06	0.33	0.24	336	36	1360	8.18	25	17	36.8		√3		⟨1	⟨0.2	र्त	7	55	₹10	44		<5
C113S	543224	9099284	(1		0.02	0.26	1.33	0.01	0.09	0.11	0.15	205	29	803	5.17	15	7	30.2	101	√3		<1	⟨0.2	<1	⟨!	71	<10	18	24	√5
C114S	542995	9099252	<1	<0.5	0.01	0.27	1.08	0.01	0.05	0.11	0.14	194	23	1090	5.31	15	7	51.8	125	⟨3	14.2	<1	⟨0.2	<b>(1</b>	</td <td>48</td> <td>&lt;10</td> <td>13</td> <td>25</td> <td>&lt;5</td>	48	<10	13	25	<5
C115\$	543006	9099215	<u> </u>		0.01	0.37	1.28		0.06	0.13	0.08	160	16	1070	4.45	13	6	41.2	134	√3	19.5	<1	<0.2	<b>1</b>	₹.	71	<10	17	18	₹5
C116S	543306	9099192	7		0.03	0.23	1.45	0.01	0.11	0.24	0.06	91	14	1330	2.93	111	4	28.1	148	4	-	<1	0.2	<1	</td <td>115</td> <td>&lt;10</td> <td>22</td> <td>48</td> <td>&lt;5</td>	115	<10	22	48	<5
C117S	543735	9099345	<1	<0.5	0.01	0.42	1.29	_	0.07	0.14	0.08	158	15	1140	4.6	13	5	41.7	163	<3		<1	<0.2	⟨1	</td <td>72</td> <td>&lt;10</td> <td>15</td> <td></td> <td>&lt;5</td>	72	<10	15		<5
C118S	543735	9099410	<1	<0.5	0.02	0.44	1.7	0.02	0.09	0.21	0.22	327	27	- 986	7.15	19	9	26.3	99.1	<3	30.7	<1	0.2	· (1	<:	85	<10	18	12	<5
C119S	543873	9099416	₹1	<0.5	0.02	0.48	1.39	0.02	0.09	0.16	0.22	286	27	1100	6.32	16	8	42.7	163	· <3	18.9	<1	<0.2	<1	<:	66	<10	15	7	<5
C120S	543873	9099392	<1	<0.5	0.02	0.44	1.41	0.02	0.06	0.15	0.22	284	22	1210	7.36	19	8	44.9	214	<3	22.8	<1	0.2	<1	<:	71	<10	17	21	<5
C122S	542950	9101535	<1	0.5	0.02	0.54	1.03	<0.01	0.05	0.17	0.57	626	38	1050	12.2	26	16	26.8	123	<3	15.3	<1	<0.2	<1	<:	25	<10	11	10	14
C123S	486924	9113422	<1	<0.5	0.09	0.21	1.82	0.02	0.02	6.87	0.08	215	36	3410	4.05	27	8	21.7	30.8	10	113	<1	0.4	<1	<:	586	<10	9	10	<5
C124S	487323	9114230	<1	<0.5	0.1	0.16	1.74	0.02	0.03	3.06	0.03	178	16	2410	3.25	25	6	18.2	27.7	5	114	<1	0.3	<1	<:	379	<10	15	9	<5
C125S	489862	9114506	₹1	<0.5	0.12	0.31	2.32	0.01	0.03	1.8	0.06	224	19	3920	4.3	31	. 8	24.3	41.5	7	122	<1	0.5	<1	<:	591	<10	9	10	<5
C126S	489856	9114506	<1	<0.5	0.09	0.21	1.52	0.02	0.02	1.85	0.13	204	23	2040	3.89	18	5	13.8	41	5	80.7	<1	0.2	<1	(	332	<10	7	6	<5
C127S	491023	9114533	<1	0.5	0.07	0.45	2.43	<0.01	0.05	1.92	0.02	231	21	2850	4.24	31	7	32.1	41	4	110	<1	0.3	<1	</td <td>507</td> <td>&lt;10</td> <td>8</td> <td>8</td> <td>&lt;5</td>	507	<10	8	8	<5
C128S	490451	9114334	<1	<0.5	0.08	0.22	1.53	0.02	0.01	3.51	0.03	187	14	3850	3.22	29	7	19.9		4	112	<1	0.4	<1	<:	745	<10	15		<5
C129S	492079	9112898	<1		0.09	0.21	1.82		0.02	6.87	0.08	215	36	3410	4.05	27	8	21.7		10		<1	0.4	<1	<:	586	<10	14		<5
C130S	492502	9112384	6		0.1		1.71			9.8		184		562	3.94	10	6	16.8		<3		1	<0.2	<1	<:	61	<10	18		<5
C131S	494096	9112592	<1		0.07	0.22	1.8		0.04	12.5	0.13	177	29	751	4	11	8	20.3	222	<3		<1	0.3	<1	<u> </u>	82	<10	77		<5
C132S	493946	9113760	<1	-	0.08	0.26	1.93	0.05	0.06	12.1	0.11	160	26	644	3.79	11	8	24.7	68.7	(3		1	0.3	<u> </u>	<u> </u>	115	<10	29	_	<5
C133S	493460	9117978	2	0.5	0.08	0.33	1.95	0.03	0.04	2.76	_	307	30	1130	6	18	9	16.8		<3		<1	<0.2	_ <1		149	<10	13	11	5
C134S	492588	9118998	<1		0.11	0.18	1.72	0.04	0.02	1.88	0.16	187	30	844	4.54	12	6	9.6				<1	<0.2	<u>  - &lt;1</u>	<u> </u>	129	<10	11	5	<5 45
C135S	494623	9118898	<1	<0.5	0.11	0.15	1.6	_	0.01	2.17	0.06	130	16	1450	2.77	13	5	12.1	29.6	<u> </u>		<u> </u>	<0.2		<u>~~</u>	260	<10	9		<5
C136S	509607	9116532	<1		0.02	0.25	2.01	0.02	0.05	0.25	0.32	373		1320	8.73	22	<u>8</u>	29.3	87.6	<3		<1	<0.2	<u> </u>	<u> </u>	167	<10	46		6
C137S	509637	9116550	3	0.6	<0.01	0.28	2.04		0.07	0.22	0.18	336		1360	8.42	23	8	31.2		<u>√3</u>		<1	<0.2	1 (1	<u> </u>	159	<10	38		<5 <5
C138S	509609	9116573	<1 (1		0.02	0.32	1.82	0.03	0.07	0.23	0.13	257	21	1180	7.18	17	6	32.8		<3 <3		<1	<0.2 <0.2	- 51		109	<10 <10	30 35		<5
C139S	502729	9119192	(1		0.01	0.45	2.22	0.03		0.5		383	28	1660 1010	8.06	26	13 17	22.7		<u>₹3</u>	_	<1 <1	<0.2	<del>  }</del>	- (	151 84	<10 <10	22		
C140S	503066	9119289	<1	0.6	0.03 <0.01	0.74	2.43 3.17		0.06	0.56	0.35	387	47		7.61 7.31	24	23	27 34.5		4		(1	0.4	1		224	<10	45		<u>6</u> <5
C141S C142S	503092	9119478	<1	0.7 <0.5	0.01	0.47	1.6		0.19	0.51	0.12	243 369	28	3390 1100	7.63	20	10			<3		(1	<0.2	1		72	<10	15		<u>₹5</u>
C142S	505199 505253	9118756	- /1	0.5	0.03	0.45	2.64		0.05	0.42	0.24	473	41	1160	8.5	23	12	32.3		√3 √3		<u> </u>	⟨0.2	- >	1	65	₹10	20		<u>√</u> 5
C144S	505250	9118626	18		0.03	0.96	2.12		0.07	0.66	0.33	198	20		5.46	17	13	32.3	-	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	53.1	1	⟨0.2	- 2	1	66	<10	15		<u>√5</u>
C145S	508305	9118626	(1		0.04	0.76	2.12	0.03	0.12	0.00	0.07	229	26	1250	6.68	19		36.8		<3		1	⟨0.2			129	<10	33		√5
C146S	508270	9118746	18	0.5	0.02	0.41	1.85		0.09	0.25	0.12	340		1280	8.18	22	- *	34.7	<del></del>			- 21	⟨0.2	- 2		103	<10	25		√5 √5
C146S	508270	9118746	18 <1		0.02	1.23	2.59	0.03	0.06	0.25	0.21	266	47		7.34	30	15			√3		<1	⟨0.2	- 21		70	<10	13		√5
U14/3	1000331	19110090	<u> </u>	(0.5	0.02	1.23	2.59	0.02	0.07	U.40	1 0.08	200	7/	14/0	1.34	, JU	13	30.9	1 101		33	<u> </u>	_ \U.Z		1	4 /0	\10	.,,	<u> </u>	

Table A-8 Results of Analysis of Geochemical Survey Samples (8/15)

Sample	· · ·		Au	Be	Na	Mg	Al	Р	к	Ca	Ti 1	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Sr	Мо	Ag	Cd	Sb	Ba	w	Hg	Pb	Bil
No.	UTM(E)	UTM(N)	ppb	ppm	- 1 <b>Va</b>	*	*	<del>- '</del>	%	<u>%</u>	*	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	DDW.	ppm	ppm	ppm	ppm	ppm	ppm	ppm
C148S	509216	9120192	<u> </u>	<0.5	0.02	0.66	2.03	0.04	0.08	0.35	0.06	180	23	1440	5.87	21	8 8	53.6	159	3	31.2	<del>ββ()</del> (1	<0.2		/ pp	84	<10	14	55	<5
C149S	509657	9120168	<1	0.6	0.01	0.21	1.51	0.02	0.08	0.17	0.36	384	22	1600	9.13	19	8	22.5	152	<3	17	(1	⟨0.2	1 7	~~``	82	<10	19	11	- 3
C150S	508733	9120154	<1	<0.5	0.02	0.5	1.58	0.03	0.07	0.33	0.05	206	19	1450	5.62	17	6	33.4	132	√3	31.6	<del></del>	<0.2	71	ζ!	137	<10	17	48	<5
C151S	508501	9119976	9	<0.5	0.02	0.51	1.72	0.03	0.09	0.3	0.12	246	23	1260	6.88	19	7	32.7	120	<3	27.1	<1	<0.2	7	</td <td>95</td> <td>&lt;10</td> <td>23</td> <td></td> <td>&lt;5</td>	95	<10	23		<5
C152S	507926	9120044	<1	0.5	0.02	0.42	1.94	0.03	0.06	0.31	0.13	232	19	1290	6.56	19	7	34	87.6	<3	41.8	1	<0.2	<1	</td <td>125</td> <td>&lt;10</td> <td>27</td> <td>30</td> <td>&lt;5</td>	125	<10	27	30	<5
C153S	507770	9119964	<1	0.6	0.02	0.47	1.86	0.02	0.04	0.44	0.4	351	24	1040	7.22	20	10	21.3	89.2	<3	43.6	<1	<0.2	<1	</td <td>96</td> <td>&lt;10</td> <td>16</td> <td></td> <td>6</td>	96	<10	16		6
C154S	507333	9120162	<1	0.8	0.03	0.56	1.55	0.01	0.03	0.4	0.9	716	78	1230	12.1	30	20	16.2	143	₹3	32.6	<1	<0.2	<1	</td <td>61</td> <td>&lt;10</td> <td>11</td> <td>4</td> <td>20</td>	61	<10	11	4	20
C155S		9120588	5	0.5	0.03	0.75	3.02	0.03	0.07	0.69	0.12	266	25	1170	6.42	21	10	34.9	59.1	√3	63.6	1	<0.2	<1	<:	146	<10	15	4	<5
C156S	506451	9120840	<1	<0.5	0.03	0.89	2.82	0.02	0.07	0.67	0.14	264	25	1000	6.23	20	10	35.1	75.3	<3	58.3	<1	<0.2	<1	</td <td>107</td> <td>&lt;10</td> <td>16</td> <td>3</td> <td>&lt;5</td>	107	<10	16	3	<5
C157S	504688	9120932	<1	0.7	0.02	0.4	2.83	0.01	0.06	0.46	0.24	305	18	1250	7.42	21	7	29.5	55.7	<3	52.9	<1	<0.2	₹1	</td <td>196</td> <td>&lt;10</td> <td>15</td> <td>5</td> <td>&lt;5</td>	196	<10	15	5	<5
C158S	505388	9121006	<1	<0.5	0.07	0.34	2.02	0.02	0.04	0.76	0.12	202	23	1800	4.62	18	6	25.3	52.1	<3	72.8	<1	<0.2	<1	<:	281	<10	18	9	<5
C159S	506783	9121442	<1	0.7	0.03	0.56	2.64	0.02	0.06	0.53	0.38	436	28	977	7.82	23	10	29.2	83	· <3	50.8	<1	<0.2	<1	<:	131	<10	26	5	7
C160S	506722	9121448	<1	0.6	0.03	0.61	2.26	0.01	0.04	0.57	0.26	340	32	1280	7.27	22	10	26.6	71.9	<3	48.1	<1	<0.2	<1	<;	132	<10	16	5	<5
D001S	542757	9110416	1	<0.5	0.03	1.36	2.11	0.04	0.1	0.36	0.1	220	26	995	6	15	13	39.9	139	<3	25.1	<1	<0.2	<1	₹	58	<10	<5	10	<5
D002S		9114112	2	<0.5	0.1	0.42	1.6	0.02	0.09	0.66	0.74	588	68	1540	12.4	25	22	19.2	246	7	58.3	<1	0.2		</td <td>73</td> <td>&lt;10</td> <td>&lt;5</td> <td>14</td> <td>24</td>	73	<10	<5	14	24
D003S		9112352	1	<0.5	0.05	0.47	1.56	0.03	0.13	0.45	0.14	168	24	1190	4.9	11	10	15.2	122	<3	38.8	<1	0.3		<:	89	<10	7	25	5
D004S	550515	9109892	<1	<0.5	0.06	0.69	1.83	0.02	0.11	0.56	0.22	214		1350	5.97	13	12	17.2	119	<3	51.8	<1	<0.2		</td <td>75</td> <td>&lt;10</td> <td>6</td> <td>14</td> <td>7</td>	75	<10	6	14	7
D005S	550430	9109926	<1	<0.5	0.05	0.74	1.88	0.03	0.1	0.56	0.2	230	23	1220	5.55	12	11	22.2	157	7	37.4	<1	0.3	<1	</td <td>69</td> <td>&lt;10</td> <td>&lt;5</td> <td>20</td> <td>7</td>	69	<10	<5	20	7
D006S	550035	9110584	3	<0.5	0.03	0.64	1.7	0.03	0.16	0.37	0.03	87	23	1360	3.53	10	10	23.9	153	3	29.2	<1	<0.2		9	84	<10	6	57	<5
D007S	550355	9110882	<1	<0.5	0.07	0.9	2.27	0.02	0.11	0.7	0.21	233	20	1170	5.73	15	10	20	118	<3	84	<1	<0.2	<1	</td <td>83</td> <td>&lt;10</td> <td>6</td> <td>&lt;2</td> <td>7</td>	83	<10	6	<2	7
D008S	551855	9112130	<1	<0.5	0.08	0.82	2.06	0.03	0.08	0.86	0.35	349		1270	6.67	16	15	26.1	123	<3	53.2	<1	<0.2	<1	<:	64	<10	<5	<2	11
D009S	551874	9112250	<1		0.08	0.97	2.31	0.02	0.05		0.46	433		1240	8.27	23		30.3	107	<3	56.5	<1	<0.2	<1	<:	62	<10	<5	<2	14
D010S	552220	9114790	2	<0.5	0.06	0.97	2.39	0.01	0.08	0.68	. 0.21	297	26	1450	7.04	25	17	37.7	81.1	<3	54.9	- 1	<0.2			123	<10	- 8	2	8
D011S		9115696	<u> </u>		0.05	0.9	1.96	0.02	0.11	0.54	0.35	387	36	1220	7.91	20	17	31.7	124	<u>&lt;3</u>	38.5	<1	<0.2	(1	(	57	<10	5	<del>- 1</del>	12
D012S	-	9116168	4	<0.5	0.05	0.74	1.71	0.02	0.08	0.55	0.44	453	40	1130	8.65	21	18	28.3	127	<3	38.6	<u> </u>	<0.2			54	<10	<5 <5	6	15
D013S		9116380	<1	<0.5	0.07	0.66	1.83	0.02	0.07	0.7	0.29	243	$\overline{}$	1350	5.81	15	14	20.7	107		51.7	- (1	0.3	<u> </u>	<u> </u>	69	<10	<5 <5	-3	8
D014S D015S	558195 559990	9116430 9117343	<1 <1	<0.5 <0.5	0.07	1.06	2.39	0.02	0.08	0.74	0.26 0.47	297 455	30 39	1110 1150	6.7 8.7	19 22	16	32.5	92.8 117	<3	49.5 77		<0.2 0.2		_ <	70 75	<10	<5 <5	- 3	15
D016S	559829	9117260	<1	<0.5 <0.5	0.15	1.01 0.84	1.91	0.02	0.05	0.79	0.47	540	-	1140	9.86	23	17 18	31.5 24.3	119	<3 <3	55.9	- 4	0.2	_	- (	52	<10 <10	⟨5		17
D016S	559409	9116686	<1		0.13	0.84	2.36	0.02	0.03	0.79	0.37	357	28	1170	6.84	19	14	25.8	97	<del>- \{3</del>	68.8	<del>- \}</del>	<0.2	- ;	- 3	70	<10	⟨5	⟨2	12
D017S		9116660	<del>\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\</del>		0.13	0.84	2.35	0.02	0.06	0.84	0.39	465	35	1340	8.93	24	17	26.4	106	√3	63.6	<del>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </del>	0.2		- \	97	<10	- \3	_	16
D018S	555624	9115804	<1	⟨0.5	0.08	0.57	1.71	0.02	0.00	0.56	0.48	468	47	1300	9.7	20	17	22.9	141	√3	44.5		<0.2		- 3	66	<10	5	5	17
D0193		9117106	<del>}</del>	<0.5	0.04	0.46	1.91	0.02	0.03		0.40	175	$\overline{}$	2120	4.38	23	13	42	106	√3	44.6	- 21	0.2		- 3	239	<10	- 8	14	
D0203	557578	9117783	<1	<0.5	0.07	0.45	1.44	0.02	0.11	0.53	0.12	215	28	981	5.56	12	13	16.1	91.9	<u>√3</u>	44.1	- 21	<0.2	- ;	- '	67	₹10	₹5	<del>- '7</del>	
D022S	559679	9117382	<1	<0.5	0.16	1.01	2.56	0.02	0.07	1.33	0.58	496	49	1110	8.75	20	17	23	116	√3	69.9	- 21	⟨0.2	- 2	~	53	<10	₹5	⟨2	17
D023S	560261	9118078	3	<0.5	0.08	0.83	2.54	0.01	0.13	0.86	0.3	363	30	1910	7.93	30		46.8	99.2	√3	65.4	Ā	0.2	7	~	156	₹10	₹5	4	10
D024S	563442	9111414	<1	⟨0.5	0.05	1.25	2.96	0.02	0.07	0.9	0.24	266	26	1260	6.78	20	14	34.7	101	√3	68	<del></del>	<0.2	7	- C	110	<10	10	₹2	
D025S	563380	9111292	<u> </u>	0.7	0.1	0.71	2.69	0.01	0.09	0.75	0.89	612	56	1790	13.4	27	21	25.4	178	₹3	75.5	<1	0.2	71	~;	104	₹10	9		27
D026S		9111446	₹1	-	0.05	0.95	2.81	0.02	0.1	0.84	0.16	244		1570	6.49	21	14	38.3	93.5	√3	100	<1	0.3	_	ζ!	92	<10	10		
D027S		9111104	<1	<0.5	0.09	0.61	2.97	0.02	0.13		0.34	332	44	1320	7.95	19	19	25	110	√3	85.4	<1	⟨0.2	<u> </u>	<:	129	<10	23		12
D028S		9111636	<1	0.5	0.02	0.39	2.4	0.02	0.05	0.39	0.35	364	29	1470	9.27	21	16	31	113	√3	57.2	<1	⟨0.2	71	ζ:	161	<10	20	5	13
D029S	559416	9110174	<1	0.9	0.05	0.38	3.12	<0.01	0.05	0.5	0.75	454	25	1550	12	24	14	28.6	125	<3	52.1	<1	0.4	₹1	</td <td>187</td> <td>&lt;10</td> <td>21</td> <td>4</td> <td>24</td>	187	<10	21	4	24
D030S	559256	9110236	<1	0.7	0.08	0.47	2.18	0.01	0.05	0.76	0.7	361	27	1100	8.58	17	14	17.6	112	<3	61	<1	0.4	<1	</td <td>85</td> <td>&lt;10</td> <td>12</td> <td>3</td> <td>21</td>	85	<10	12	3	21
D031S	559219	9110340	₹1	0.7	0.03	0.38	2.29	<0.01	0.03	0.4	0.75	473	32	1300	11.3	24	17	24.2	119	<3	43.6	<1	0.5	<1	</td <td>117</td> <td>&lt;10</td> <td>17</td> <td>4</td> <td>24</td>	117	<10	17	4	24
D032S	558887	9110368	<b>&lt;1</b>	0.5	0.07	1.15	3.04	<0.01	0.07	0.78	0.82	520	52	1310	11.7	27	25	28.2	125	∵ √3	62.9	<1	0.3	<1	</td <td>69</td> <td>&lt;10</td> <td>12</td> <td>&lt;2</td> <td>22</td>	69	<10	12	<2	22
D033S	558648	9110660	<1	<0.5	0.08	1.84	4.18	<0.01	0.14	1.18	0.26	251	52	1010	6.62	22	23	42.7	77.4	. <3	81.5	<1	<0.2	<1	</td <td>78</td> <td>&lt;10</td> <td>12</td> <td>&lt;2 ⋅</td> <td>7</td>	78	<10	12	<2 ⋅	7
D034S	558575	9110504	<1	0.5	0.09	0.77	2.87	<0.01	0.06	0.8	0.76	515	57	1170	11.3	24	22	24.5	124	<3	69.7	<1	<0.2	<b></b>	<:	68	<10	15	<2	23
D035S	560158	9110327	<u>{1</u>	0.5	0.06	0.94	2.18	0.02	0.07	0.84	0.42	241	23	1190	6.29	15	13	22.2	101	<3	57.3	<1	0.3	<b></b>	</td <td>90</td> <td>&lt;10</td> <td>7</td> <td>&lt;2</td> <td>11</td>	90	<10	7	<2	11
D036S	560195	9110185	<1	0.5	0.08	0.47	1.88	<0.01	0.1	0.65	0.45	242	19	1220	6.16	13	12	18.4	116	<3	64	<1	0.4	<1	</td <td>115</td> <td>&lt;10</td> <td>9</td> <td>3</td> <td>14</td>	115	<10	9	3	14
D037S	560562	9110108	<1	<0.5	0.09	0.93	2.63	0.01	0.13	0.85	0.23	173	17	1080	5.11	15	12	28.4	82.5	<3	76	<1	0.3	<1	<:	129	<10	7	<2	7
D038S	561075	9110289	<1	0.6	0.06	0.55	2.25	0.01	0.06	0.65	0.53	307	22	949	7.42	15	14	20.5	114	<3	58.2	<1	0.5	<1	</td <td>95</td> <td>&lt;10</td> <td>9</td> <td>3</td> <td>16</td>	95	<10	9	3	16
D039S	561353	9110095	<1	<0.5	0.14	0.54	2.09	0.02	0.14	0.64	0.45	245	14	1400	6.7	13	11	17.5	128	<3	74.5	<1	0.4	<1	<:	125	<10	8	4	14
D040S	562547	9110329	<1	<0.5	0.07	0.52	2.03	0.02	0.09	0.61	0.36	220	16	1580	6.41	13	12	19	161	<3	66.7	<1	0.2	<1	<:	114	<10	8	4	11
D041S		9110191	<1	<0.5	0.06	0.36	2.11	0.01	0.08	0.54	0.41	353	25	1150	7.9	17	14	20.8	119	(3	77.5	<1	<0.2	<1	<;	134	<10	11	3	14
D042S	565793	9108666	<1	0.6	0.04	0.46	2.06	<0.01	0.05	0.43	0.8	680	46	1680	14.7	30	21	23.1	162	<3	69	₹1	0.2	<1	<:	124	<10	13	5	26

Table A-8 Results of Analysis of Geochemical Survey Samples (9/15)

Sample			Áu	Ве	Na	Mg	Al	P	К	Ca	Ti	V	Cr	Mn	Fe	Со	Ni	Cu	Zn	As	Sr	Мо	Ag	Cd	Sb	Ba	W	Hg	Рь Т	Bi
No.	UTM(E)	UTM(N)	ppb	ppm	*	8	*	Ν.	*	× 1	<u>×</u>	ppm	ppm	ppm	*	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
D043S	565841	9108652	<1	<0.5	0.07	0.6	2.45	0.01	0.1	0.88	0.36	358	44	1410	8.21	21	19	23.5	107	7	81.6	<1	<0.2	<1	<	89	<10	12	2	12
D044S	565824	9108776	<1	<0.5	0.11	0.47	2.39	0.02	0.15	0.94	0.44	353	31	1210	7.85	17	16	19.6	132	<3	102	<1	0.3	<1	<	93	<10	13	3	13
D045S	565986	9108842	<1	<0.5	0.05	0.46	2.19	0.01	0.12	1.03	0.1	204	20	1290	5.92	17	14	23.3	82.5	5	89.4	<1	<0.2	<1	<	131	<10	17	6	5
D046S	566349	9109308	<1	<0.5	0.06	0.55	2.29	0.02	0.15	1.07	0.13	230	25	1150	6.4	15	16	23.1	91.4	4	121	<1	0.6	<1	</td <td>132</td> <td>&lt;10</td> <td>16</td> <td>6</td> <td>&lt;5</td>	132	<10	16	6	<5
D047S	566426	9109698	1	<0.5	0.05	0.48	2.11	0.02	0.15	0.92	0.08	200	20	1060	6.3	15	13	28.8	90	7	72.1	<1	<0.2	<1	<:	117	<10	18	6	<5
D048S	566074	9109884	<1	<0.5	0.04	0.58	2.1	<0.01	0.11	0.59	0.24	279	33	1480	6.86	18	15	26.7	122	<3	43.3	<1	<0.2	<1	<.	93	<10	12	2	8
D049S	566636	9110318	<1		0.05		2.04	0.02	0.1		0.03	136	21	1200	4.51	14	18	21.6	65.2	4		<1	5.1	<1	<	111	<10	11	7	<5
D050S	568379	9113664	<1		0.07	0.77	2.21	0.02	0.05	0.83	0.47	448	46	1490	8.88	21	19	25.3	123	<3		<1	0.2	<1	</td <td>88</td> <td>&lt;10</td> <td>6</td> <td>3</td> <td>14</td>	88	<10	6	3	14
D051S	568318	9113646	<1		0.07		1.73		0.05	_	0.49	438	43	1260	8.75	19	25	20.8	145	<3		<1	<0.2	<1	<:	53	<10	<5	2	15
D052S	566365	9112254	<1		0.08	_	2.53	_	0.08		0.45	388	36	1310	8.5	20	16	35.2	141	<3		<1	<0.2	<1	<	58	<10	10	<2	12
D053S	562289	9109292	<1		0.1		1.62		0.11	_	0.47	287	20	1660	6.64	14	13	18.2	148	<3		<1	0.2	<1	</td <td>97</td> <td>&lt;10</td> <td>8</td> <td>4</td> <td>15</td>	97	<10	8	4	15
D054S	562637	9108984	<1	<0.5	0.08	_	1.86		0.05	_	0.63	440	29	1620	9.32	19	17	21.4	170	<3		<1	0.4	<1	<	85	<10	10	2	20
D055S	562644	9108696	<1	0.6	0.09		2.42	•—	0.07		0.66	493	35	1890	10.4	23	16	27	168	<3		<1	0.3	<1		146	<10	11	3	21
D056S	562546	9108528	2	0.5	0.08	0.39	1.95		0.06		0.63	467	28	1630	9.7	21	15	23.9	123	<3		<1	0.4		<	128	<10	15	3	20
D057S	562364	9108476	<1 <1	0.7 0.6	0.08		2.81		0.07		0.44	360	21	1720	9.02	20	13	32.6	100	<3		<1 <1	0.3	<del>  \\\</del>		214	<10	20	6	15
D058S D059S	562261 562394	9108100 9107566	3		0.09 0.05	0.43 0.41	2.56 2.59	-	0.07	-	0.55	399	23 36	1570	9.22 10.3	19	14	28.5	112	<3		<1 <1	<0.2	<del>  ``</del> ;	>	183	<10	17	취	17
D0595	562161	9107366	1	0.5	0.03	•	2.39	$\leftarrow$	0.04	_	0.64	473 518	34	1820 1800	11.5	25 26	16 16	27.9 27	121 128	<3 <3		- <del>\ \</del> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<0.2 0.2	1 3		139	<10	22 20	4	18
D060S	561185	9107424	<u>'</u>		0.04	0.42	2.20	0.01	0.03	_	0.64	365	25	1460	8.49	20	13		98.4	<3		<1	0.2	1		140	<10 <10	20	4	14
D062S	561106	9107440	2	<0.5	0.06	-	1.46	$\overline{}$	0.03	_	0.88	525	31	1430	11.7	23	17	17.1	155	√3		<1	0.2	<del>                                     </del>		62	<10	11	4	28
D063S	564039	9115362	2	⟨0.5	0.06	1	2.04	0.02	0.05	0.69	0.76	699	43	1510	12.5	28	20	26.5	181	√3		<1	<0.2		-	71	<10	< <b>5</b>	₹2	22
D064S	564032	9115640	3	<0.5	0.1	0.98	2.77	0.02	0.06		0.26	275	21	1110	6.15	19	12	28.2	81	<3	_	<u> </u>	0.2	<del> </del>		113	<10	,6	⟨2	
D065S	563976	9115662	3	<0.5	0.14		2.69		0.05		0.34	353	25	1270	7.25	21	13	24.4	88.1	₹3		<u> </u>	<0.2		~ ~	115	<10	<5	⟨2	11
D066S	564285	9115848	4		0.08		2.18		0.04		0.42	376	26	1300	7.79	19	14	22.2	122	√3		4	7.6	- 2	~~~	99	<10	√5	√ ⟨2	13
D067S	564307	9116398	4	<0.5	0.1	_	2.98		0.06		0.22	235	21	1330	5.84	17	12	29.3	92.4	7	92.7	<1	<0.2	71	(	142	₹10	6	₹2	6
D068S	563729	9117228	5	<0.5	0.17	0.57	2.63	0.01	0.03	_	0.63	556	34	1210	9.25	25	16	21	100	<3		<1	<0.2	7	<	120	<10	<5	⟨2	19
D069S	563806	9117618	3	<0.5	0.1	0.65	1.9	0.02	0.03	_	0.92	745	42	1460	13.5	30	20	19.7	156	<3		<1	<0.2	<1	<	63	<10	<5	⟨2	28
D070S	563410	9118088	4	<0.5	0.19	0.52	2.91	0.02	0.06	1.97	0.24	292	22	1560	5.31	20	12	23.2	79.7	<3	131	<1	<0.2	<1	<	222	<10	6	2	<del> </del>
D071S	564146	9118492	3	<0.5	0.06	0.43	1.16	0.02	0.04	1.04	0.95	643	41	1940	12.4	23	20	15.8	227	<3	48.3	<1	0.3	<1	<:	43	<10	5	3	28
D072S	564111	9118414	2	<0.5	0.15	0.95	3.15	0.03	0.08	1.52	0.14	164	14	1170	4.6	17	11	28.1	74	<3	114	<1	<0.2	<1	<	168	<10	6	<2	<5
D073S	562227	9119518	2	<0.5	0.16	0.58	2.57	0.02	0.05	1.29	0.32	280	28	1100	5.64	18	20	21.7	74.6	<3	101	<1	0.2	<1	<	130	<10	5	₹2	7
D074S	561782	9119292	4	<0.5	0.15	0.57	2.31	0.01	0.08	1.17	0.72	668	50	1360	12.5	28	21	26.7	145	<3	91.9	<1	<0.2	<1	<	71	<10	<5	4	23
D075S	561570	9119714	2	<0.5	0.28	0.19	3.09	0.01	0.02	2.55	0.26	246	26	1060	4.78	16	12	13.2	52	<3	187	<1	3.5	<1	<	151	<10	<5	<2	9
D076S	546585	9102560	7	<0.5	0.04		1.65		0.07		0.54	472	45	1390	10.2	23	20	33.6	151	<3		<1	0.3	<1	<	62	<10	8	. 7	18
D077S	545505	9102252	2	<0.5	0.02	0.63	1.3		0.04		0.43	409	38	1480	8.99	23	18	47.4	179	<3	17.6	1	0.9	<1	<:	42	<10	6	33	14
D078S	545135	9102556	1	<0.5	0.02	0.33	1.07		0.05		0.14	163	14	897	4.87	12	10	31.3	78	<3		<1	<0.2	<1	</td <td>49</td> <td>&lt;10</td> <td>11</td> <td>10</td> <td>6</td>	49	<10	11	10	6
D079S	545292	9102826	3	<0.5	0.04		1.63		0.08	_	0.53	483	38	1460	10.2	19	16	32.7	171	<3		<1	1.7	<1	<:	58	<10	8	7	17
D080S	542998	9102176	. 2		0.02	0.66	1.24		0.05		0.47	437	27	1080	9.24	20	16		116	<3		<1	2.3	<1	<	33	<10	6	10	
D081S	543066	9102218	2	<0.5	0.03	0.67	1.4		0.08		0.49	452	46	1140	11.2	23	15	34.7	119	<3		<1	<0.2	<b>├</b>	<u> </u>	36	<10	8	9	13
D082S	543156	9102034	3		0.03	0.87	1.71	0.02	0.07	0.3	0.35	365	37	1430	10	22	13		132	<3		<1	<0.2	<u> </u>		44	<10	6	6	9
D083S	513733	9099372	3	0.5	0.02	0.33	1.58	•	0.1		0.47	366	37	1090	9.76	20			132	4	30	<1	<0.2	<u> </u>	< :	71	<10	14	10	13
D084S	513697	9098960	·	, , ,	0.04	0.5	1.77	0.01	0.14	_	0.17	207	37	1270	5.85	15	8	26.1	98.2	9	40.2	- 51	<0.2	1 3	<u> </u>	92	<10	14		5
D085S D086S	511431 511611	9097630	2	<0.5 <0.5	0.05	0.59 0.43	1.86	-	0.11		0.16	171	26	1390	5.7	12	6 8	23.7	141	8	45.1	<1 21	<0.2	<del>                                     </del>		101	<10	12	11	<5
D086S	510055	9097868	4	<0.5	0.04	0.43	1.83 2.35		0.15		0.1	182 217	29 27	1170 1040	5.6 6.56	16 16	8		83.8 84.4	23 6		<1 <1	0.2 <0.2	<del>                                     </del>		101	<10 <10	32 16	4	<5 5
D088S	509891	9097870	2	0.6	0.03	0.53	1.67	0.01	0.05	0.47	0.18	_	95	1760	17.3	-	_		240	7				- ;	ζ,				<del>- { </del>	
D089S	510338	9097870	6		0.05	0.53	1.07		0.05		0.78	812 626	57	1860	17.8	32 28	23 19	38.8	283	13	75.5	<1 <1	0.2	<del>                                     </del>		76 96	<10 <10	34 54	/ 8	22
D090S	503731	9097428	2	<0.5	0.02		2.04		0.00		0.61	513	58	1060	10.8	28	19	ightarrow	128	13		<1	0.2	1		95	<10	17		18
D091S	503543	9093938	3		0.05	0.47	1.58	-	0.02	_	0.94	666	78	1560	18.2	32	17	21.6	177	<del> </del>		- }	0.2	<del>                                     </del>	- >	54	<10	24	<del>- { </del>	25
D092S	504437	9096586	7	0.5	0.06	_	2.19	•	0.02		0.49	389	42	1470	12.2	24	10	23.2	124	7	121	<u> </u>	0.4	<del></del>	<del></del>	124	<10	18	11	14
D092S	508666	9094128	4	<0.5	0.05	0.27	0.99		0.03		0.43	275	39	887	8.95	17	15		153	63	_	- }	0.4	1		73	<10	584	- 11	14
D094S	546805	9087358	2	0.6	0.03		2.02		0.03	_	0.73	512	48	1420	12.2	27	17		128	8		<u> </u>	0.3	1		55	<10	24	5	19
D095S	546438	9087232	2	0.6	0.13		1.89	<0.01	0.02	_	0.77	537	50	1530	13.1	30	18	28.2	114	10		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<0.2	7	<	5 51	<10	83	- 5	20
D096S	546245	9086966	3	0.7	0.1	0.4	1.96	<0.01	0.02		1.16	804	67	2220	20.5	48	26	40.5	156	11	62.3	<u> </u>	0.3	7	~	63	<10	46	- 5	30
D097S	546298	9086992	2	<0.5	0.01	0.44	0.86	•	<0.01	0.1	0.9	711	63	1630	21.9	44			183	₹3	8.5	(1	<0.2	1	7	10	<10	6	- 5	26
					3.01	3.44	3.50			· •··	5.5							50.2			<u> </u>		.υ.∠	ند	<u> </u>	4 10		<u></u>		

Table A-8 Results of Analysis of Geochemical Survey Samples (10/15)

Sample	•		Au	Be	Na	Mg	Al	P	К	Ca	Ti	v	Cr	Mn I	Fe	Co	Ni	Cu	Zn	As	Sr	Mo	Ag	Cd	Sb	l Ba l	w	Hg	РЬ	Bil
No.	UTM(E)	UTM(N)	daa	ppm	148	* N	%	*	*	<u> </u>	<u> </u>	ppm	ppm	ppm	*	ppm	ppm	ppm	ppm	ppm	ppm	ppm	DDm.	ppm	ppm	ppm	ppm		ppm	ppm
D098S	544390	9085998	6 ppo	0.8	0.16	0.49	2.92	<0.01	0.03	$\rightarrow$	1.28	910	93	2550	23.1	54	29	50.1	175	11	97.6	(1	0.4	ppiii	ppin /f	94	√10	54	ppiii	32
D099S	542615	9088278	6	<0.5	0.10	0.43	1.79	<0.01	0.03	0.46	0.25	314	27	1230	8.21	20	7	31.5	110	15	57.3	<del>\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ </del>	<0.2	- 2	- 2	55	<10	29	<del>- 31</del>	
D100S	542216	9087544	2	⟨0.5	0.03	0.37	0.95	⟨0.01	0.01	0.35	0.84	637	49	1760	18.7	38	22	31.9	172	<3	24.9	<del>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </del>	0.3	<del></del>	- (5	14	<10	11	<del>- 1</del>	24
D1003	543225	9089910	3	0.8	0.03	0.55	1.77	<0.01	0.06	0.78	0.99	694	62	1910	15.8	32	15	30.1	204	√3	145	- 21	<0.2	- 27	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	55	<10	12	- 6	24
D101S	543368	9090056	√1	0.6	0.05	0.71	2.26	<0.01	0.08	0.78	0.69	524	41	1710	14.3	28	13	42.4	212	6	1040	<1	<0.2			570	<10	19	5	18
D102S	543332	9090248	<u> </u>	<0.5	0.05	0.71	2.15	0.02	0.08	0.07	0.03	297	57	1380	8.16	19	10	30.3	113	6	59	<1	<0.2	1	7	72	₹10	16	- 5	8
	543612	9091006	<1	⟨0.5	0.06	0.72	1.85	0.02	0.09	0.44	0.21	295	47	1240	7.93	17	9	25.6	132	<3	46.4	- 21	⟨0.2	<del>                                     </del>		54	₹10	8	5	8
	543494	9091264	<u> </u>	<0.5	0.04	0.72	1.69	0.02	0.03	0.43	0.15	197	31	1220	6.05	13	6	18.8	90.4	6	48.1	- 21	<0.2		- 3	54	<10	13	5	- 5
D106S	542648	9091204	<u> </u>	⟨0.5	0.04	0.44	1.04	0.02	0.07	0.43	0.15	332	36	1210	9.26	18	11	21.1	107	√3	33	- 21	<0.2			49	<10	12	7	_
D106S	542554	9091892	<1	⟨0.5	0.03	0.28	1.19	0.01	0.09	0.20	0.40	240	36	1100	7.51	15	8	24.5	99	5	40.2	- '	<0.2		- 1	43	₹10	10	'	- 13
		9091830			0.03	0.35	1.19	<0.01	0.09	0.43	0.28	737	85	1330	15.6	26	18		130	3	30.6	<u>'</u>	0.3			32	<10	9	6	17
D108S	545050		<b>(1</b>	<0.5									_			22	13		_				⟨0.2			52	_	24		
	545058	9092251	<u> </u>	<0.5	0.04	0.66	1.93	0.02	0.06	0.59	0.34	465	95	1360	10.7		!3	34.4	134	3	46.5	<1			- 3		<10		14	10
D110S	544899	9091975	<1	0.6	0.04	0.78	2.13	0.01	0.05	0.47	0.58	440	46	1670	9.85	19	- 4	29.5	182	<3	118	<1	<0.2		- 5	64	<10	16	3	14
-	544823	9091610	<1	0.6	0.05	0.56	2.55	0.02	0.06	0.6	0.41	364	63	1380	8.99	22	11	38.5	111	7	102	<1	<0.2			127	<10	24	- 8	11
	544633	9091973	<1	<0.5	0.04	0.67	1.72	0.01	0.05	_	0.47	774	92	1440	15.7	28	17	35.8	133	3	35.5	<1	<0.2		<:	43	<10	9	15	15
-	544273	9090795	<1	<0.5	0.06	0.31	1.82	0.01	0.07	4.43	0.46	367	49	1190	10	21	12	30.7	111	19	92.5	2	<0.2	<u> </u>		73	<10	29	14	13
	543277	9090114	<1	0.6	0.05	0.57	1.54	<0.01	0.08	0.43	0.65	473	55	1490	12.7	22	14		226	<3	57.4	<1	0.2	\( \frac{1}{2} \)		40	<10	9	4	16
	539724	9101280	<1	<0.5	0.04	0.99	1.95	0.02	0.06	0.31	0.54	516	50	1600	12.9	27	13		151	<u> </u>	30.5	<1	0.4		. <:	53	<10	14	5	14
D116S	539734	9101400	<1	<0.5	0.02	0.38	1.45	<0.01	0.1	0.19	0.22	251	58	925	8.55	12		15.6	63.6	<3	19.6	<1	<0.2		<u> </u>	57	<10		- 6	
	539297	9102370	<1	<0.5	0.05	0.43	1.63	0.01	0.06	0.29	0.36	300	43	1180	8.01	18	9	33	107	<3	34.3	<1	<0.2			53	<10	14	10	10
D118S	539195	9102352	<1	<0.5	0.04	0.33	1.23	0.01	0.05	0.29	0.19	198	52	1300	6.46	13		27.4	104	<3	28.5	<1	<0.2	<u> </u>	ς:	58	<10	9	33	6
D119S	539142	9102254	<1		0.01	0.29	1.39		0.12	0.17	0.07	143		740	6.31	7	3	9.2	36.1	<3	18.2	<1	<0.2	_ <1	<u> </u>	63	<10	B	- 4	<5
D120S	539269	9102158	<1	<0.5	0.03	0.36	1.17	<0.01	0.05	0.19	. 0.26	285	65	850	8.93	13	8	16.3	66.3	<3	21	<1	<0.2	<1	<u> </u>	46	<10	9	6	8
D121S	541067	9101002	<1	<0.5	0.02	0.65	1.35	0.02	0.07	0.23	0.14	216	28	972	7.15	13		37.1	76.9	<3	20.8	<1	<0.2	_ <1	ζ;	56	<10	8	15	<5
D122S	541198	9101126	10	<0.5	0.04	1.07	2.16	0.04	0.11	0.32	0.09	180	23	1250	6.31	18	7	39.6	99	<3	24.6	1	<0.2	<u> </u>		71	<10	10	10	<5
D123S	499193	9088466	<1	0.5	0.02	0.39	0.92	<0.01	<0.01	0.42	1.1	738	56	2300	22	42	22		202	<3	28.5	<1	0.4	_ <1	<:	21	<10	<5	5	30
D124S	500309	9092436	<1	1]	0.11	0.36	3.21	0.03	0.03	3.37	0.94	629	59	2390	16.8	36	19	44.9	143	12	90.4	<1	0.3	<1	<:	186	<10	20	8	23
D125S	495165	9092832	<1		0.05	0.52	2.81	0.02	0.03	2.84	0.14	237	33	869	6.93	18	11	34	74.6	6	163	<1	<0.2	<1	<;	120	<10	19	5	<5
D126S	490606	9092808	<1		0.14	0.62	3.51	0.02	0.04		0.65	462	69	2110	14	29	13		131	4	89.3	<1	0.3	<1	~;	116	<10	13	<2	17
D127S	492535	9092568	<1	<0.5	0.04	0.56	2.11	0.03	0.03	3.22	0.29	222	51	1390	7.87	16	6	11.2	77.1	3	48.4	<1	0.3	<1	<:	88	<10	10	3	8
D128S	504865	9095072	3	0.5	0.04	0.3	2.67	0.01	0:04		0.15	184		1170	7.06	16	8	28.3	64.7	28	114	1	<0.2	<1	Ÿ	125	<10	24	9	5
D129S	505993	9094182	3	0.7	0.09	0.33	4.08	0.01	0.03	10.3	0.22	285	62	1650	8.06	23	12		57.4	60	169	2	0.2	<1	<	191	<10	25	7	5
D130S	499085	9118988	<1	0.7	0.04	0.42	3.08	0.01	0.05	0.67	0.47	491	98	1440	10.5	34	29	34.7	117	<3	58.5	<1	0.3	<1	<	163	<10	12	6	12
D131S	499104	9118930	<b>√</b> 1	0.6	0.04	1.08	4.04	0.02	0.11	0.98	0.27	350	67	1070	8.11	26	20	41.4	102	<3	. 77	<1	<0.2	<1	</td <td>100</td> <td>&lt;10</td> <td>14</td> <td>5</td> <td>6</td>	100	<10	14	5	6
D132S	500339	9117290	<1	0.6	0.05	0.8	4.81	0.02	0.12	1.22	0.28	354	83	1280	8.16	29	14	42.1	74.8	<3	103	<1	0.2	<1	<	136	<10	9	<2	6
D133S	501684	9117534	<1	0.6	0.02	1.2	5.43	0.02	0.22	0.64	0.27	402	71	1530	10.4	35	24	49.8	94.8	<3	62.3	<1	<0.2	<1	<:	157	<10	7	<2	7
D134S	501395	9117048	<1	0.9	0.03	0.47	2.39	0.01	0.05	0.59	0.87	748	108	1690	14.4	35	16	42.9	158	<3	59.5	<1	<0.2	<1	Ÿ	114	<10	11	4	22
D135S	501729	9117252	7	0.6	0.05	1.31	5.24	0.02	0.14	1.05	0.17	273	37	1050	7.43	23	13	51.4	83.5	<3	102	<1	<0.2	<1	V	120	<10	11	<2	<5
D136S	501769	9117344	<1	0.6	0.05	1.32	4.39	0.02	0.1	1.01	0.48	579	64	1180	11.6	31	17	48.5	122	√3	87.8	<1	<0.2	<1	<	108	<10	7	<2	11
D137S	500228	9112086	14	0.5	0.03	0.49	2.05	0.02	0.1	0.33	0.18	275	42	1240	7.52	17	8	23.3	91.9	<3	32.9	<1	<0.2	<1	Ÿ	82	<10	10	14	5
D138S	500293	9111854	1	<0.5	0.02	0.26	1.56	0.01	0.11	0.27	0.22	206	35	912	5.9	11	6	13.2	94.9	<3	33	<1	<0.2	(1	<:	83	<10	10	14	6
D139S	503019	9110782	14	<0.5	0.02	0.25	. 1.49	0.01	0.13	0.28	0.19	222	40	1000	6.4	12	6	15.5	104	<3	30.3	<1	<0.2	<1	♡	86	<10	10	16	5
D140S	502994	9110734	<1	<0.5	0.03	0.25	1.77	<0.01	0.08	0.35	0.35	220	36	943	6.08	11	6	9.5	88.8	<3	42.2	<1	<0.2	<1	</td <td>86</td> <td>&lt;10</td> <td>9</td> <td>7]</td> <td>9</td>	86	<10	9	7]	9
D141S	500908	9111422	2	0.5	0.01	0.21	0.94	<0.01	0.04	0.16	0.8	437	51	1870	15.1	18	11	8.6	234	<3	17.1	<1	0.3	<1	<:	35	<10	<5	9	22
D142S	499903	9121678	<1	0.6	0.05	0.55	1.86	0.02	0.04	0.54	0.72	723	111	1580	15.4	38	29	23.3	186	<3	41.1	<1	<0.2	<1	· (	114	<10	5	6	19
D143S	499970	9121656	4	<0.5	0.05	0.67	2.12	0.03	0.12	0.57	0.32	482	91	1380	10.5	24	25	35.5	166	12	42.9	<1	0.2	<u> </u>	<:	108	<10	24	26	9
D144S	502182	9121324	3	0.6	0.11	1.25	4.28	-	0.16	1.1	0.41	441	53	1180	9.57	26	16	37	118	<3	79.6	<1	<0.2	(1	</td <td>75</td> <td>&lt;10</td> <td>7</td> <td>&lt;2</td> <td>9</td>	75	<10	7	<2	9
D145S	502416	9121232	<1		0.06	0.77	3.58	0.02	0.1	0.71	0.54	487	51	1500	11.1	29	_	_	144	<3	59.8	<1	<0.2	71	</td <td>119</td> <td>&lt;10</td> <td>10</td> <td>3</td> <td>13</td>	119	<10	10	3	13
D146S	503229	9121266	1	0.5	0.04	0.51	2.28	0.01	0.07	0.47	0.43	492	58	1450	11.4	30	17		155	√3	40.9	<1	<0.2	त	</td <td>133</td> <td>&lt;10</td> <td>7</td> <td>6</td> <td>11</td>	133	<10	7	6	11
D147S	503764	9119612	1	<0.5	0.15	1.26	4.74		0.13	1.45	0.23	307	47	1300	7.3	27	18		95.4	√3	83.6	<del>- 31</del>	<0.2	7	(	101	<10	26	<2	5
D148S	504087	9120336	4	0.5	0.06	$\overline{}$	3.97	0.02	0.11	0.85	0.25	288	42	1200	7.34	24	17	-	95.3	√3	62.8	<u> </u>	⟨0.2	7	⟨!	110	<10	21	₹2	<u></u>
D149S	504463	9119738	<1		0.06	1.39	4.85	0.02	0.13	0.98	0.32	422	57	1380	8.89	30	15	44.2	108	√3	75.2	<1	⟨0.2	7	(	94	<10	9	₹2	- 6
D150S	504392	9121602	1	0.6	0.02	0.54	1.38	0.01	0.05	0.29	0.73	792	67	1670	16.5	34	19	49.4	249	₹3	22	<u> </u>	0.3	7	(	43	₹10	7	31	21
D151S	504398	9122404	(1		0.02	0.34	2.83	0.02	0.05	0.38	0.76	499	40	1480	11.1	31	11		120	√3	37.7	급	0.2	1	1	164	<10	18	6	19
D152S	503953	9122890	1		0.06	0.73	3.96	0.02	0.06	0.74	0.62	451	46	1190	9.47	27	12		103	73	55.7	<del>- 21</del>	0.2	7	7	119	<10	12	⟨2	14
פאנוטו	1202222	10122030	للبل	0.9	V.V0	U.73	3.50	U.U.I	U.U0	U. /4	V.UZ	701	70	1130	3.47		12	25.3	103		JJ./		<u> </u>			110	\10	لكنسب		لتب

Table A-8 Results of Analysis of Geochemical Survey Samples (11/15)

Sample	T		Au	Be	Na	Mg	Al	Р	кТ	Ca	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Sr	Мо	Ag	Cd	Sb	Ba	w	U	РЬ	0:1
No.	M(E)	UTM(N)	ppb	ppm	*	X.	8	*	<u> </u>	<u>%</u>	<u>×</u>	ppm	ppm	ppm	*	ppm	DDM	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Hg ppm	ppm	Bi
D153S 5028	847	9122000	<1	0.5	0.1	0.46	3.35	0.01	0.04	0.85	0.16	253	44	1670	5.8	18	7	33.2	44.7		81.7	<1	<0.2	<u> </u>	\ \(\frac{1}{2}\)	330	<10	<5	3	<u>5</u> 0111
D154S 5011	152	9122688	1	0.6	0.08	0.78	4.04	0.02	0.04	0.95	0.24	275	37	1720	7.09	28	11	34.3	69.7	_	76.2	<1	0.2	7	~ ~!	180	<10	9	⟨2	<del></del>
D155S 5021	140	9123776	2	0.6	0.05	1.04	4.61	0.02	0.07	0.86	0.28	237	28	974	6.67	21	9	34.2	77.7	<3	61.3	<1	<0.2	₹1	<:	109	<10	10	₹2	6
D156S 5023	341	9123854	<1	0.9	0.05	0.77	3.96	0.01	0.06	0.62	0.57	405	38	1010	9.13	26	12	30	110	<3	48.5	<1	0.2	<b>(1</b>	</td <td>129</td> <td>&lt;10</td> <td>15</td> <td>&lt;2</td> <td>14</td>	129	<10	15	<2	14
D157S 5023	_	9123884	<1	1	0.04	0.8	3.09	<0.01	0.05	0.5	1.04	715	73	1390	14.5	39	18	25.8	165	₹3	41.4	<1	<0.2	<b>~1</b>	</td <td>98</td> <td>&lt;10</td> <td>10</td> <td>&lt;2</td> <td>26</td>	98	<10	10	<2	26
D158S 4995		9122990	2	0.8	0.05	0.63	3.66	0.01	0.04	0.6	0.76	669	82	1550	12.5	34	16	30.6	126	<3	53.3	<1	<0.2	₹	⟨;	122	<10	12	<2	18
D159S 4986		9125980	4	0.8	0.04	0.45	4	0.02	0.05	0.51	0.51	470	49	1520	10.6	31	11	32.9	104	<3	48.2	<1	0.2	<1	Ÿ	245	<10	15	6	13
D160S 4987		9125980	1	1	0.04	0.85	3.22	0.01	0.05	0.54	1.07	785	80	1420	14.4	39	16	24.6	175		45.2	<1	<0.2	7	᠅	108	<10	8	2	27
D161S 4987		9125072	4	0.7	0.06	0.64	4.44	0.02	0.04	0.73	0.56	531	62	1210	10.5	30	13	30.6	104	_	54	<1	<0.2	<1	ζ:	127	<10	12	<2	15
D162S 4991		9123680	8	0.7	0.06	0.63	3	0.01	0.05	0.69	0.76	612	63	1420	12.9	32	13	27	145		55.8	<1	<0.2		<:	109	<10	8	2	19
D163S 4975		9122090	2	0.5	0.08	0.45	2.67	0.03	0.05	6.35	0.49	489	56	1510	10.3	29	16		112	<3	99.7	<1	0.3	<1	<u> </u>	129	<10	11	5	12
D165S 4955	_	9122990 9123876	4	0.5	0.03	0.34	3.13 1.5	<0.01 0.01	0.05	0.54 0.77	0.14	243	31 82	1190	6.19 12.4	20	6	33.2	54.8		56.8	<1	<0.2	(1	<u>~;</u>	246	<10	9		<5
D166S 4947		9125040	2	0.7	0.04	0.32	2.21	0.01	0.06	0.77	0.69	604 511	84	1200 993	10.2	27 24	13 12	13.6 16	167 126	<3	44.6	<1	<0.2	- 3	<u> </u>	70	<10	10	<del></del>	23
E001S 5491	_	9106344	4	0.5	0.06	0.34	1.96	0.01	0.09	0.51	0.03	229	22	1150	5.58	15	- 14		85.2	(3	51.1 67.1	<1 <1	<0.2 <0.2		- 3	95 109	<10	7	5	18
E002S 5489		9106032	5	<0.5	0.03	0.25	1 14	0.02	0.06	0.28	0.07	125	12	1260	4.4	12	4	26.3	96.9	(3	37.7	<u>\\</u>	⟨0.2		- 3	85	<10 <10	14 10	- /-	<u>&lt;1</u>
E003S 5491		9107168	5	<0.5	0.03	1.67	2.68	0.02	0.09	0.55	0.05	160	59	1130	5.07	24	48	36	64.3	- 3	54.1	<1	⟨0.2		- (	103	<10	13	<5 <5	<1
E004S 5491		9107516	10	0.5	0.03	0.7	2.53	0.02	0.1	0.5	0.08	156	19	1260	5.04	20	<del>- 'ŏ</del>	30	64.1	- 3	55.1	<1	⟨0.2	71	7,	132	<10	10	₹5	<del>- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</del>
E005S 5494		9107408	6	0.5	0.02	0.21	1.19	0.02	0.07	0.24	0.35	356	25	1340	8.31	17	9	19.6	125		23.9	<u> </u>	⟨0.2	<del>}</del>	(!	86	<10	- 10	11	
E006S 5547	751	9108338	7	0.6	0.04	0.26	1.62	0.01	0.07	0.29	0.43	415	28	1020	8.94	19	10	29.6	120	<3	33.3	<del>(1</del>	<0.2	\(\frac{1}{1}\)		100	₹10	13	13	<del>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </del>
E007S 5547	757	9108218	4	0.6	0.02	0.19	2.35	0.02	0.05	0.31	0.23	246	14	1330	6.52	18	5	29.2	57.5	<3	54	<1	0.2	<1	</td <td>217</td> <td>&lt;10</td> <td>26</td> <td>8</td> <td>&lt;1</td>	217	<10	26	8	<1
E008S 5531	149	9106360	10	<0.5	0.03	0.17	1.27	<0.01	0.07	0.27	0.25	264	17	1070	6.54	17	7	19.9	68.7	<3	31.7	<1	<0.2	<1	<:	79	<10	16	8	<1
E009S 5530		9106378	11	0.6	0.02	0.23	1.36	<0.01	0.03	0.21	0.44	382	22	1120	8.39	19	8	17.8	98.2	<3	31.5	<1	<0.2	<1	<:	101	<10	15	14	<1
E010S 5529		9106626	7	<0.5	0.04	0.17	1.29	<0.01	0.05	0.31	0.28	279	20	982	5.88	15	7	18.3	64.2	<3	36.4	<1	<0.2	<1	<5	69	<10	13	9	<1
E011S 5519		9106438	9	<0.5	0.05	0.25	1.81	<0.01	0.09	0.4	0.28	285	22	1110	6.49	16	7	21.4	74.5	<3	50.2	<1	<0.2	<u></u>	<:	99	<10	15	9	<1
E012S 5519		9106540	4	<0.5	0.05	0.2	1.22	<0.01	0.1	0.41	0.14	152	11	889	3.95	10	5	13.3	55.6	<3	48.1	<1	<0.2	<1	~	79	<10	11	<5	<1
E013S 5518	$\overline{}$	9106554	3	0.6	0.04	0.29	1.43	<0.01	0.08	0.49	0.36	259	23	1400	6.23	13	8	13.9	138	<3	59.9	<1	<0.2	<1	<:	75	<10	9	10	<1
E014S 5517		9105862	2	0.6	0.02	0.24	2.08	0.02	0.07	0.39	0.16	201	14	1150	6.07	15	5	25	97.9	6	54	<1	<0.2	<1	<:	165	<10	25	6	<1
E015S 5508		9106344 9104406	10	0.5	0.06	0.42	1.72	<0.01	0.12	0.61	0.15	135	11	1230	4.03	10	4	15	103	<3	105	<1	<0.2	<1	_ < <u>!</u>	83	<10	9	<5	<1
E017S 5547	-	9106000	<1	<0.5 0.6	0.03	0.25 0.28	1.2 1.55	<0.01 0.01	0.04	0.24	0.41	425 384	27 29	1180 1280	8.83 8.3	19	10	21.8	113		32.3	<1	<0.2	$-\frac{\varsigma}{2}$		79	<10	10	12	<1
E018S   5547		9106034	+	0.6	0.02	0.24	1.63	<0.01	0.04	0.19	0.49	453	23	1340	9.49	20	9	26.2 21.6	136 98.3	<b>√3</b>	36.4	<1	<0.2 0.3		\ \tag{2}	100	<10	19	11	<1
E019S 5547		9106442	4	0.6	0.02	0.25	1.23	<0.01	0.03	0.22	0.43	524	34	1250	10.5	23	12	18.4	151	/3	27.3	<1 <1	<0.3	$\rightarrow$	- 3	146 61	<10	19	14	<1 <1
E020S 5547		9106466	15	0.6	0.02	0.22	1.2	<0.01	0.03	0.17	0.6	487	27	1200	10.1	22	10	16.3	110	- 3	25.8	<1	<0.2	$\rightarrow$	1	86	<10 <10	10	18	<u> </u>
E021S 5555		9106786	8	0.6	0.03	0.19	1.59	<0.01	0.05	0.27	0.44	355	20	1330	8.24	18	- 10	17.8	90.9	- (3	42	<1	⟨0.2		7	108	₹10	17	13	<u> </u>
E022S 5557		9106728	<1	0.6	0.04	0.37	1.51	<0.01	0.05	0.38	0.32	276	19	1210	6.56	14	7	17.1	124	<u> </u>	41.6	<1	⟨0.2	- 2		72	₹10	9	9	<1
E023S 5557		9106790	15	0.6	0.04	0.23	1.02	<0.01	0.03	0.29	0.63	451	32	1180	9.57	20	13	14	201	√3	33.3	⟨1	⟨0.2	7	7	37	₹10	7	18	र्न
E024S 5557	749	9108942	<1	0.8	0.03	0.22	3.02	0.03	0.08	0.29	0.4	345	18	1640	8.19	21	8	32.1	80.8	₹3	63.2	<1	0.3	<1	₹!	264	₹10	32	13	<1
E025S 5558	843	9108522	<1	0.7	0.04	0.26	1.73	<0.01	0.04	0.32	0.49	391	23	1200	8.69	18	9	16.3	120	<3	39.3	<1	<0.2	<	₹5	94	<10	13	14	<1
E026S 5559		9108824	<1	0.7	0.04	0.23	1.39	<0.01	0.01	0.26	0.66	502	29	1370	11.4	22	11	15.7	124	<3	34.2	<1	<0.2	<1	</td <td>86</td> <td>&lt;10</td> <td>12</td> <td>19</td> <td>&lt;1</td>	86	<10	12	19	<1
E027S 5560		9109574	<1	0.7	0.04	0.17	1.9	0.01	0.02	0.31	0.43	323	16	1280	7.89	16	7	19.1	92	<3	44.5	<1	0.2	<1	</td <td>138</td> <td>&lt;10</td> <td>24</td> <td>12</td> <td>&lt;1</td>	138	<10	24	12	<1
E028S 5560		9109586	3	0.8	0.02	0.33	1.49	<0.01	0.02	0.13	0.97	791	41	1630	16.7	34	16	19.4	158	<3	22.4	<1	0.3	<1	< 5	80	<10	13	27	<1
E029S 5524	-	9103434	. 1	<0.5	0.04	0.2	1.53	<0.01	0.05	0.31	0.3	316	21	1370	7.26	21	9	22.4	91.2	<3	43.4	<1	<0.2	<1	<5	84	<10	21	10	<1
E030S 5573		9107500	<1	0.8	0.01	0.17	2.25	0.01	0.05	0.22	0.45	255	10	1070	6.67	14	5	18.6	85.7	<3	55.1	<1	<0.2		<5	175	<10	26	14	<1
E031S 5571		9107664	<11	0.7	0.04	0.24	2.22	<0.01	0.03	0.34	0.51	345	17	1300	8.36	17		18.9	91.8	<3	56.3	<1	<0.2		<5	130	<10	27	15	<1
E032S 5571		9106008	<1	0.7	0.04	0.21	2.2	<0.01	0.04	0.35	0.53	440	23	1520	9.48	22	10	23.7	108	<3	54.2	<1	0.3	<1	<5	139	<10	22	16	<1
E033S 5573		9105942	- 4	0.7	0.02	0.22	2.16	<0.01	0.03	0.23	0.58	481	21	1360	10.3	23	10	22.2	102	<3	53.3	<1	<0.2		_ <5	174	<10	22	17	<1
E034S 5572		9105158 9105172		0.6 0.7	0.04	0.26	1.77 2.27	0.02 <0.01	0.07	0.49	0.29	255	18	1100	6.14	15	- 6	18.8	97.7	<u> </u>	48.3	<1	<0.2	<u> </u>		114	<10	18	9	<1
E036S 5569		9103172	<u>2</u> ⟨1	0.7	0.03	0.22	1.44	<0.01	0.05	0.33	0.44	375 334	18	1340 1070	8.5 7.19	20 18	8	22.8	99.3	<3	62	<1	<0.2	<u> </u>	<u> </u>	183	<10 <10	26	13	<1
E037S 5554	_	9104922	<1	0.5	0.03	0.34	1.38	<0.01	0.04	0.25	0.39	613	38	1290	7.19	27	15	18.9 21.2	90.9 141	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	42.9	<u> </u>	<0.2 <0.2			100	<10	20	12	<1
E038S 5554	-	9104728	<del></del>	<0.5	0.03	0.34	1.19	<0.01	0.03	0.23	0.53	696	51	1310	11.9	24	16	23.2	145	/2	28.3 24.3	<1	<0.2			64 46	<u> </u>	8	19	<u> </u>
E039S 5554	$\overline{}$	9104534	3	0.6	0.02	0.26	1.51	<0.01	0.03	0.28	0.55	520	27	1320	11.1	23	11	17.9	123	√3	42.6	<1	0.2	<del>- }</del>	- 3	85	₹10	16	19	<1
E040S 5549		9104504	2	0.5	0.02	0.35	1.16	<0.01	0.02	0.21	0.55	869	43	1510	12.3	24	18	25.7	196	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	23.7	<del>\</del> \(\frac{1}{1}\)	<0.2	- 7	7	53	<10	8	17	<1
E041S 5532		9104722	<1	<0.5	0.03	0.16	1.29	<0.01	0.04	0.23	0.28	314	19	1160	6.72	18	- is	21.6	91.8	(3	27.8	<u> </u>	⟨0.2	7		70	<10	14	- '4	<1
							:		-:			1	- '51						31.01		2.7.0		\ <b>U</b> ,2	` '		, ,	<u>\ \   \   </u>	171		

Table A-8 Results of Analysis of Geochemical Survey Samples (12/15)

Sample			Au	Ве	Na	Mg	Al	Р	К	Са	Ti	V	Cr	Mn	Fe	Сo	Ni	Cu	Zn	As	Sr	Мо	Ag	Cd	Sb	Ba	w	Hg	Pb	Bi
No.	UTM(E)	UTM(N)	ppb	ppm	- Na	, M.K.	%		*	<u> </u>	- ;;	ppm	ppm	ppm	1	ppm	ppm	ppm	ppm	ppm	mag	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E042S	533258	9104742	<u> </u>	0.6	0.03	0.28	1.09	<0.01	0.03	0.21	0.66	669	35	1260	12.8	25	_	_	155	<u>pp</u> ∠3	25.8	<u> </u>	0.2		DD:::	47	<10	8	20	<u> </u>
E043S	547216	9104384	<1	<0.5	0.01	0.53	1.34	<0.01	0.06	0.22	0.21	243	28	1140	5.76	15		26.3	122	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	29.5	<del>\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \</del>	<0.2	<del></del>	7	64	<10	7	7	<u> </u>
E044S	547421	9104686	<u> </u>	<0.5	0.03	0.26	1.59	<0.01	0.07	0.31	0.12	161	16	1070	3.88	13	_	19.5	59.2	₹3	38.8	<1	<0.2	7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	94	₹10	17	<5	<1
E045S	547597	9104698	71	⟨0.5	0.02	0.47	1.35	0.02	0.06	0.2	0.09	172	28	1290	4.35	16		45.4	108	₹3	24	<1	<0.2	7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	73	₹10	10	<5	<u> </u>
E046S	547902	9104947	<u> </u>	<0.5	0.03	0.19	1.17	0.01	0.07	0.21	0.15	178	20	1120	4.31	13		24.1	78.9	₹3	24.8	(1	⟨0.2	71	₹!	71	₹10	10	5	<u> </u>
E047S	548085	9105354	<1		0.02	1.51	2.47	0.02	0.04	0.27	0.11	274	97	1430	6.81	35		57	155	⟨3	25	<1	<0.2	7	₹!	93	<10	9	<5	<u> </u>
E048S	558350	9080952	5		0.05	0.21	1.17	0.02	0.04	0.38	0.12	206	22	649	4.28	13	_	30	48.5	5	37.5	<1	<0.2	<1	</td <td>39</td> <td>&lt;10</td> <td>12</td> <td>&lt;5</td> <td>&lt;1</td>	39	<10	12	<5	<1
E049S	558145	9080952	4		0.02	•—	1.02	0.02	0.04	0.27	0.09	147	16	593	4.16	11		45.9	56	7	22	<1	<0.2	<1	<:	26	<10	6	<5	<1
E050S	557883	9080866	<1	<0.5	0.02	0.31	1.41	0.01	0.05	0.25	0.14	224	21	1020	5.3	18	8	42.8	56.6	7		<1	<0.2	<1	⟨₹	53	<10	13	5	<1
E051S	557910	9080672	<1	<0.5	0.03	0.3	1.27	0.01	0.07	0.31	0.18	272	34	941	6.18	18	9	48.1	65	. 5	31.3	1	<0.2	<1	</td <td>46</td> <td>&lt;10</td> <td>12</td> <td>7</td> <td>&lt;1</td>	46	<10	12	7	<1
E052S	558184	9080286	11	<0.5	0.02	0.26	0.96	0.01	0.05	0.23	0.3	422	41	770	8.38	18	. 11	38.7	70.2	4	23.9	<1	<0.2	<1	< 5	34	<10	7	11	<1
E053S	559613	9082032	<1	<0.5	0.03	0.29	1.39	0.01	0.05	0.28	0.2	403	32	964	7.63	24	9	46.9	57.6	5	27.7	<1	<0.2	<1	<b>(</b> !	46	<10	10	7	<1
E054S	560151	9082932	₹1	<0.5	0.03	0.48	1.53	0.01	0.07	0.39	0.23	430	43	943	8.12	16	11	45.7	80.6	4	33.5	<1	<0.2	<1	</td <td>44</td> <td>&lt;10</td> <td>12</td> <td>8</td> <td>&lt;1</td>	44	<10	12	8	<1
E055S	560551	9082816	<1	<0.5	0.02	0.5	1.71	0.02	0.05	0.39	0.15	367	36	875	7.9	18	10	45.5	59.8	4	35.5	<1	<0.2	<1	₹	40	<10	8	6	<1
E056S	560822	9082290	<1	<0.5	0.04	0.24	1.06	0.01	0.02	0.26	0.19	255	25	614	5.12	14	7	24.9	50.5	4	24.1	<1	<0.2	<1	₹	44	<10	14	6	<1
E057\$	562131	9082874	<1	₹0.5	0.02	0.47	1.43	0.02	0.06	0.34	0.21	449	34	747	8.99	17	10	38.5	62.6	9	26.9	<1	<0.2	<1	</td <td>36</td> <td>&lt;10</td> <td>8</td> <td>9</td> <td>&lt;1</td>	36	<10	8	9	<1
E058S	562110	9083096	<1	<0.5	0.03		1.32	0.01	0.04	0.33	0.27	448	46	972	8.03	21	_	36.8	72	8	26.7	<b>\forall 1</b>	0.3	<u> </u>	<;	48	<10	8	9	<1
E059S	558893	9090010	<1	0.5	0.02	0.34	1.9	0.01	0.04	0.91	0.27	361	31	1310	7.74	19	10		98.8	33	84.3	1	<0.2	<1	</td <td>129</td> <td>&lt;10</td> <td>47</td> <td>9</td> <td>&lt;1</td>	129	<10	47	9	<1
E060S	558932	9090794	<1	<0.5	0.02	0.21	1.6	0.01	0.05	1.59	0.13	235	19	818	6.22	14		22.3	78	37	77.4	2	<0.2	. <1	<u> </u>	78	<10	21	5	<1
E061S	559194	9091410	. <1	0.8	0.01	0.3	1.19	0.01	0.03	0.41	0.7	705	41	1750	13.8	24		23.1	164	11	47.2	<1	<0.2	<u> </u>	<:	78	<10	26	21	<1
E062S	559169	9091434	<1	0.5	0.02	0.43	2.02	<0.01	0.04	0.45	0.31	387	31	1360	7.96	22		30	103	40	64.3	<1	<0.2	<1	<:	143	<10	71	10	<1
E063S	562500	9090850	<1		0.03	•	2	0.01	0.05	0.59	0.19	340	26	1460	7.54	17		26.8	120	3	85.4	<1	<0.2		_ <:	85	<10	21	7	<1
E064S	562774	9090782	<1	<0.5	0.03		2.13	0.01	0.06	0.71	0.1	272	21	1350	6.36	17	_	26	97.6	4	101	<1	<0.2	<1		90	<10	23	<5	<1
E065S	562643	9091024	<1	0.7	0.02		2.15	0.01	0.03	0.6	0.34	512	27	1750	9.83	22		37.2	135	<3	89.9	<1	<0.2	<u> </u>	<:	98	<10	19	12	<1
E066S	559027	9094044	6	<0.5	0.04		1.99	0.02	0.09	0.45	0.2	391	40	970	7.61	18		53	79.2	9	38.5	<1	<0.2	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ς:	43	<10	11	/	<1
E067S	559041	9083972	<1	<0.5	0.04		2.01	0.02	0.08	0.45	0.11	252	24	898	5.74	15	_	51.4	64.1	8	38.1	<1	⟨0.2	<u> </u>	<u> </u>	46	<10	11	<5	<1
E068S	559216	9083660	<1	<0.5	0.03		1.45	0.01	0.07	0.3	0.1	242	40	849	5.27	17	_	41.7	51.4	4	27	<1	⟨0.2			56	<10	10	<5	<1
E069S	559257	9083528	<1	<0.5	0.03		1.68	0.02	0.08	0.37	0.1	216	25	882	5.17	16	_	51.5	58.9	9	30.6	<1	<0.2		\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	47	<10	12	<b>&lt;</b> 5	<1 <1
E070S	559391	9083166	9	<0.5	0.02	0.38	1.23	0.01	0.06	0.28	0.19	257	34 29	789	5.8	18 18	·	49.2	58	8	23.3	<1 <1	<0.2		- (1	41	<10 (10	9	6	
E071S	559391	9083122	— "	<0.5	0.02	0.41	1.33	0.01	0.05 0.06	0.29	0.17 0.26	333	44	922 944	6.5	19		45.3	61.4 78.2	4	24.7 34.9	<del>\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	<0.2 <0.2		- 5	41	<10 <10	11	8	<del>- (1</del>
E072S E073S	560504 553267	9082156 9095698	2	<0.5 0.6	0.02	0.54	1.54 1.33	<0.02	0.06	0.38	0.26	437 453	21	1610	8.54 9.14	19		45.6 20.3	143	√3	53	<1	0.2		- 5	36 69	<10	17	13	<1
E074S	553254	9095664	2		0.02	0.33	1.82	0.01	0.05	0.27	0.43	384	27	1430	9.47	21		37.7	137	14	45.6	<u> </u>	0.2	1 2	- ``	136	<10	25	9	<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>
E075S	553455	9095256	2	<0.5	0.01	0.3	1.83	0.01	0.05	0.27	0.20	303	21	1290	7.85	20	_	30.2	107	10	31.6	<1	⟨0.2	1 2		99	<10	28	13	₹5
E076S	553817	9094880	11	<0.5	0.02		1.5	0.02	0.00	0.24	0.09	152	9	922	5.01	14	-	19.1	63	7	28.5	<1	⟨0.2			84	<10	35	7	₹5
E077S	553860	9093064	- '	<0.5	0.03		2.18		0.1	0.67	0.16	279	_	1460	7.96	20		-	116	11	45	<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	⟨0.2	1	(	116	<10	20	11	₹5
E078S	553471	9092966	1	<0.5	0.02		1.74	0.02	0.1	0.71	0.17	298	23	1230	7.12	20			107	10	30.4	(1	⟨0.2	1	7	85	<10	19	5	₹5
E079S	553053	9092844	3	<0.5	0.03	•—	1.69		0.12	0.5	0.15	253	19	1270	6.22	16		21	113	7	29	(1	⟨0.2	71	(	81	<10	19	6	₹5
E080S	552626	9092508	1	<0.5	0.04	0.57	1.76	0.02	0.09	0.55	0.24	339	27	1250	7.16	17	_		148	10	38.7	(1	<0.2	71	ζ:	55	<10	13	5	₹5
E081S	552879	9091664	5	⟨0.5	0.04	<del></del>	1.5		0.08	0.4	0.17	293	34	1080	7.18	18			96.8	27	33.3	<u> </u>	⟨0.2	1	7	62	₹10	17	13	<5
E082S	552910	9091670	4	<0.5	0.02	0.36	1.4	0.02	0.08	0.33	0.16	253	25	850	6.94	16	-	28.1	75.2	25	27.7	<u> </u>	⟨0.2	(1	</td <td>56</td> <td>&lt;10</td> <td>15</td> <td>14</td> <td>&lt;5</td>	56	<10	15	14	<5
E083S	552990	9091736	7	<0.5	0.03		1.61	0.02	0.09	0.38	0.11	243	27	973	6.65	18	-	28	86	29	32	<1	<0.2	71	</td <td>52</td> <td>&lt;10</td> <td>15</td> <td>13</td> <td>&lt;5</td>	52	<10	15	13	<5
E084S	551679	9091968	2	<0.5	0.06	<del></del>	1.71	0.02	0.08	0.61	0.15	160		990	4.63	12		16.3	80.2	5	47.1	<u> </u>	⟨0.2	(1	(	54	<10	13	⟨2	<5
E085S	550639	9091714	16		0.03	0.59	1.77	0.05	0.1	0.44	0.11	199	34	800	6.68	14	6	28.5	112	10	40.9	3	<0.2	<1	<	42	<10	15	5	<5
E086S	549723	9102472	3	0.6	0.01	0.27	0.99	0.01	0.05	0.19	0.51	474	22	1370	11.2	19	9	16.9	128	<3	22.6	<1	<0.2	<1	</td <td>51</td> <td>&lt;10</td> <td>13</td> <td>5</td> <td>7</td>	51	<10	13	5	7
E087S	549676	9102484	5		0.03	0.31	1.51	<0.01	0.05	0.26	0.44	437	27	1180	8.9	21	10	22	121	<3	33.6	<1	<0.2	<1	</td <td>85</td> <td>&lt;10</td> <td>16</td> <td>10</td> <td>6</td>	85	<10	16	10	6
E088\$	549536	9101634	18	0.6	0.02		0.89	0.02	0.07	0.18	0.49	411	27	1140	9.17	19	11	18.9	195	<3	16.8	<1	<0.2	<b>&lt;</b> 1	</td <td>47</td> <td>&lt;10</td> <td>7</td> <td>9</td> <td>7</td>	47	<10	7	9	7
E089S	549530	9101346	<1	0.7	0.02	0.32	1.46	0.01	0.1	0.21	0.28	296	31	1020	6.78	15	8	19	107	<3	22.5	<1	<0.2	<1	</td <td>64</td> <td>&lt;10</td> <td>12</td> <td>7</td> <td>&lt;5</td>	64	<10	12	7	<5
E090S	549744	9101292	<1	<0.5	0.02	0.3	1.11	0.01	0.08	0.2	0.27	263	20	840	6.1	13	7	17.6	104	<3	23.2	<1	<0.2	<1	<:	71	<10	12	8	.<5
E093S	551287	9101242	3	<0.5	0.02	0.22	1.24	<0.01	0.06	0.22	0.22	249	22	938	6.22	12	6	19.1	90.9	<3	26.6	<1	⟨0.2	<1	</td <td>60</td> <td>&lt;10</td> <td>15</td> <td>8</td> <td>&lt;5</td>	60	<10	15	8	<5
E094S	551586	9101300	<1	0.6	0.02	0.27	1.26	0.03	0.06	0.25	0.37	367	18	1140	8.3	17	7	18.8	101	<3	28.1	<1	<0.2	<1	<:	71	<10	17	6	5
E095S	551260	9101634	<1	0.7	0.04	0.31	1.08	<0.01	0.04	0.26	0.73	629	45	1130	12.3	28	16	20.1	135	<3	26.6	<1	<0.2	<1	<:	32	<10	10		11
E096S	551315	9102070	<1	0.5	0.01	0.21	1.06	<0.01	0.06	0.17	0.29	378	27	1010	9.03	16	7	24.2	84.6	<3	21.8	<1	⟨0.2	<1	<:	57	<10	12	10	<5
E097S	536000	9097000	<1	<0.5	0.01	0.6	1.59	0.02	0.08	0.2	0.17	273	21	1080	6.48	18	8	44.6	147	<3	21.8	<1	<0.2	<1	<;	71	<10	21	9	<5
E098S	535942	9097046	<1	<0.5	0.01	1.32	2.24	0.04	0.08	0.23	0.04	175	29	1470	5.69	19	9	88.9	196	18	19.1	<1	<0.2	<1	</td <td>72</td> <td>&lt;10</td> <td>37</td> <td>4</td> <td>&lt;5</td>	72	<10	37	4	<5

Table A-8 Results of Analysis of Geochemical Survey Samples (13/15)

[ <del></del>			I A 1	- B- T	NI-	N - 1	A1 [	ΡΙ	<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>	T:		0-	N4-		o. 1	NE.		T -				•	<del></del>	l or l	n 1			T	
Sample No.	UTM(E)	UTM(N)	Au	Be	Na %	Mg	Al %	N N	K	Ca s	Ti	٧	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Sr	Mo	Ag	Cq	Sb	Ba	W	Hg	Pb	Bi
E099S	536596	9096116	ppb <1	ppm <0.5	0.01	0.48	1.66	0.02	0.07	0.19	0.11	ppm 183	<u>ррт</u> 18	ppm 977	5.09	ppm 14	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E100S	536832	9096132	(1	⟨0.5	0.01	1.09	2.04	0.02	0.07	0.19	0.11	218	22	1320	6.4	16	8	38.5 52.6	106	<del>                                     </del>	24.4	<1 21	<0.2		- >3	79	<10	21 15	8	<u> </u>
E100S	536790	9096143	<1	⟨0.5	0.02	0.66	1.8	0.04	0.08	0.21	0.12	161	22	1180	4.92		6			- >	18.9	<u> </u>	0.3	_	- 53	50	<10			<5 (5
E101S	537013		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<0.5	0.02	0.00	1.6	0.02	0.08	0.19	0.08	152		1190		14	- 0	38.1	129		23.1	<1	<0.2		- 5	71	<10	16	9	<u>&lt;5</u>
E102S	537013	9096508 9096522	(1	<0.5	0.02	0.66	1.69	0.03	0.09	0.19	0.08	189	21	1230	4.91	12 14	- 3	44.6	•	_	16.5	- :	<0.2	1		46	<10	12		<5
E103S	537443	9097056	- ;;	<0.5	0.02	0.66	1.72	0.02	0.07	0.18	0.11	119	10	1140	5.3 4.62	11	<u>-</u>	38.6	+	1	20.5 17.8	1 4	<0.2			62	<10	16		<5
E1045	537393	9097036	4	⟨0.5	0.02	0.53	1.64	0.04	0.03	0.18		248	24	1210	6.16	17	8	40.7 37.8		1 3	24.8	- 1	<0.2	<1	- 3	36	<10	13		₹5
E106S	537277	9096930	<1	<0.5	0.01	0.33	1.04	0.02		0.18	0.17	121		897	4.02	10	4			- 50		<del>  `}</del>	<0.2	<1		79	<10	19		<5
E107S	499202	9108302	<1 <1	0.6	<0.01	0.19	1.01	<0.02	0.07	0.14	0.08	327	20				5	21.3	_	- 5	15.4	- 1	<0.2	<1		48	<10	14		<5
E10/S	499600	9108302	<1	<0.5	0.03	0.19	1.47	0.01	0.05		0.42	223	21	904	6.82	14	_	11.6			24.1	- ;;	<0.2	<u> </u>		66	<10	14		6
		$\overline{}$	<u> </u>	0.8					_	0.76		_		896	5.64	16 23	9			8	176	(1	<0.2	<1	_	104	<10	22	11	<5
E109S	498453	9109940 9110014	<u>{</u> 1	<0.5	0.01	0.21	1.04	<0.01	0.02		0.75	540 339	33 22	1120 784	11.2 6.65	16	9	11		- S	14.9		<0.2	<1	_	68	<10	7		11
E110S	497683		\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<0.5	0.02		1.16	<0.01	0.04	1.21	0.34	312						- ' ' ' -		<del></del>	136	<1	<0.2	<1		100	<10	12	-	<5
E111S	497646	9110050	<u> </u>		0.03	0.2	0.97	<0.01	0.03	0.9	0.35	160	32	803	6.3	14	8			(3	89.4	(1	<0.2	<1	<u> </u>	78	<10	33	-	5
E112S	496961	9110588		<0.5	0.03			<0.01	0.03	0.38	0.17		12	604	3.74	9	4		•	- 3	36.3	1	<0.2	51	1 5	81	<10	9		<5
E113S	496345	9111230	<u> </u>	<0.5	0.07	0.11	1.11	<0.01	0.03	0.57	0.16	156	34	1090	3.27	12	4	11.3		<del> }</del>	50.5	<u> </u>	<0.2	<del> </del>	<u> </u>	166	<10	9	7	<5
E114S	496075	9111290	<1	0.6	0.03	0.17	0.86	<0.01 0.03	0.02	1.3	0.54	428 372	22	675	6.92	17	8	9.5	82	1 - 12	51	<1	<0.2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u> </u>	47	<10	7	4	8
E115S E116S	503564 503717	9106294 9106794	5	<0.5 <0.5	0.04	0.35	1.35	0.03	0.04	0.24	0.19	185	31 23	1160 909	7.87 5.33	21 12	14 5	32.9		13	177 27	2	<0.2	(1	<u> </u>	85	<10	39		<5
			3				$\overline{}$									-		30		<u> </u>		2	<0.2	<u> </u>		67	<10	12		<5
E117S	503742	9106766	- 4	<0.5	0.01	0.24	1.44	0.02	0.06	0.25	0.13	197	19	970	5.76	15	- /	32.3		6	56		<0.2	<1		93	<10	22		<5
E118S	512572	9126898	3	0.8	0.04	0.33	1.63	<0.01	0.03	0.38	0.64	584	29	1410	10.6	27	10	20.4	•—	- 5		$\overline{}$	<0.2	<u> </u>		161	<10	10		9
E119S	512481	9126366	3	0.6	0.03	0.97	2.7	0.02	0.09	0.62	0.2	231	9	1130	5.85	19	5			\ \(\frac{\cdots}{\cdot}\)	66.2	<b>(1</b>	<0.2	. <1	- 5	122	<10	18		<5
E120S	512048	9125454	2	0.8	0.03	0.46	2.59	0.01	0.06	0.37	0.37	413	23	1230	8.03	26		30.7			35.4	<1	<0.2	<1	- 53	148	<10	13		5
E121S	510916	9125778	1	0.5	0.03	0.71	2.37	0.01	0.08	0.47	0.19	223	14	1050	5.48	19	/	32.4	•—	- 5	66.2	<1	<0.2	<1		127	<10	9		<5
E122S	510340	9126192		0.8	0.03	0.44	1.71	<0.01	0.05	0.36	0.57	563	39	1410	9.59	27	11	23.2		- <u> </u>	36.4	(1	<0.2	(1	- 3	151	<10	7	4	8
E123S	509724	9125942	4	0.7	0.02	0.47	2.9	<0.01	0.06	0.4	0.17	232	18	1220	6.04	20		34.1	•	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	46.9	(1	<0.2	<u> </u>	ζξ	212	<10	9	6	<5
E124S	509569	9125932	2	0.6	0.04	0.44	2.45	0.01	0.06	0.48	0.28	333	23	1300	6.8	22		26.7	72.2	G	47.3	<1	<0.2			166	<10	12		<5
E125S	509160	9125900	<u> </u>	<0.5	0.04	0.47	2.16	0.01	0.06	0.49	0.21	224	21	1190	5.43	16	6	27.2	64	- 3	43.1	<u> </u>	<0.2	<u> </u>	<u> </u>	131	<10	9		<5
E126S E127S	510590 508510	9126530	69	0.6	<0.01	0.31	0.74	<0.01	<0.01	0.07	0.94	778	29	1830	18.1	38	13	16.9	<del></del>	\ \( \frac{\zeta}{2} \)	200		<0.2	<1		53	<10	5		14
		9127170	6	0.9	0.02	0.25	1.55	<0.01	0.02	0.18	0.75	645	32	1680	14.1	32	12	24.3	_	_	22.3	<1	<0.2	<1	- 5	174	<10	10	_	11
E128S	507733	9127698	2	0.8	0.02	0.31	1.23	<0.01	0.01	0.17	0.94	802	31	1950	16.8	38	14	19.2		<u> </u>	1 111	<b>(1</b>	<0.2	- (1		118	<10	8	5	13
E129S	508485	9127698	23	0.9	0.01	0.29	1.36	<0.01	0.02	0.17	0.94	790	34	2060	16.6	37	13	21.3			20.8		<0.2	<u> </u>		148	<10	11	<b>⊢</b>	14
E130S	507684	9127240	2	0.5	0.04	0.24	2.01	<0.01	0.03	0.5	0.12	226	12	1160	5.92	18	5	24.8		G	47.2	<1	<0.2	<1	- < 5	231	<10	13		<5
E131S	506595	9127596	_	0.5	0.05	0.71	2.57	0.01	0.06	0.65	0.2	237	23	1050	5.87	20	8	34.3	•	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	71.3	<1	<0.2	<1		156	<10	10		<5
E132S	512950	9127004	2	0.7	0.04	0.47	2.1	0.02	0.05	0.49	0.43	385	19	1530	8.2	23	9			1 5	48.7	<1	<0.2			183	<10	37	6	6
E133S	507250	9128786		0.7	<0.01	0.28	0.71	<0.01	<0.01	0.08	0.84	738	27	1430	16.1	34	12	15			7.8	<u> </u>	<0.2	1	- 53	39	<10	9		12
E134S	507217	9128832	4	0.8	0.05	0.27	1.96	<0.01	0.02	0.32	0.78	691	30	1620	13.9	32	11	18.7		- 5	38.4	- 51	<0.2	<u> </u>		160	<10	26	-	11
E135S	506434	9128216	6	0.8	0.05	0.27	2.08	<0.01	0.03	0.34	0.72	640	33	1620	13.2	31	11	19.7	•—	()	42.4		<0.2	<1	- 5	178	<10	19		10
E136S	504575	9128562	- 4	0.7	0.06	0.6	2.6	0.02	0.05	0.57	0.39	389	21	1390	8.6	24	10 7	30.5	<del></del>	<u> </u>	50.1		<0.2		- \}	177	<10	24	4	5
E137S	503167	9128440	4	0.6	0.05	0.43	1.9	0.01	0.07	0.49	0.42	375	20	927	7.11	20	_	21.1	91		38.2	<u>(1</u>	<0.2	<1	- 5	78	<10	11	3	5
E138S E139S	502434 501315	9128414 9128392	5 16	0.7	0.06	0.54	2.68 1.96	0.02	0.06	0.62	0.43	349	30	920 944	7.27	20	8	25.2		<:		<1 <1	<0.2	<1	- 53	113	<10	13	<u> </u>	5
E140S	501315		16	0.7		0.42	1.96	0.01	0.04	0.49	0.4	365	20		7.37	20	6			\ \(\cdot\)	41.9	<1 <1	<0.2	<1	- 5	118	<10	27	4	6
		9129036	- 3	0.6	0.02						0.59	513	18	1200	10.7	23	8				24.8		<0.2	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- 53	123	<10	16		9
E141S	504651	9128746		7.7	0.03	0.57	1.96	0.01	0.05	0.55	0.26	284	12	1540	6.55	23	6 7			<u> ``</u>	51.3	<1 21	<0.2		<u> </u>	246	<10	9	4	<5
F001S	543528	9114714	<u> </u>	<0.5	0.09	0.63	1.97	0.02	0.12	0.73	0.21	165	27	887	4.6	12		12.7		<3	100	(1	<0.2	1 2	<u> </u>	70	<10	/	3	6
F002S	543429	9114776	2	<0.5	0.12	1.12	2.66	0.03	0.13	1.04	0.23	202	19	870	5.17	19	12	47.9		\ \frac{\chi_0}{\chi_0}	85.9	<1	<0.2	- 51	1 3	50	<10	. 6	· <2	7
F003S	542753	9115060		<0.5	0.13	0.91	2.34	0.03	0.12	0.99	0.35	257	28	999	5.9	18	11	35.8		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	81.3	<1 21	<0.2	1 3	- 5	46	<10	<5	<2	10
F004S	542770	9115120	<del>                                     </del>	<0.5	0.12	1.23	2.88	0.04	0.14	1.02	0.24	225	20	869	5.55	21	13	55.2		1 S	87.9	<1 21	<0.2	<1	<u> </u>	51	<10	- 6	<2	
F005S	545539	9112290	<del>⊢ ¦</del>	<0.5	0.06	1.36	2.44	0.03	0.13	0.56	0.08	166	22	927	4.94	15	9	30.9	_	1 5	40.2	<1	<0.2	<1	- 53	70	<10	<5	8	<5
F006S	545747	9112256	<del>                                     </del>	<0.5	0.08	0.9	2.04	0.03	0.1	0.5	0.31	356	36	1040	8.3	20	13	48.3		_	43.2	<1 21	<0.2		- 5	48	<10	<5 /F	6	10
F007S	545864	9112000	21	<0.5	0.1	0.7	2.07	0.02	0.09	0.59	0.46	474	43	1130	10.2	24	15	23.8			47.9	<1	<0.2	<u> </u>		51	<10	<5	4	15
F008S	545750 546536	9111890	1	<0.5	0.09	0.46		0.04	0.11	0.52	0.13	222	31	860	5.94	15	10			<3	44.3	<del> ! </del>	<0.2	<1	<u> </u>	48	<10	5	5	<5
F009S		9110640	19	<0.5	0.05	0.46	1.41	0.03	0.13	0.31	0.38	423	38	1120	9.44	21	13	27.4		<del>  S</del>	25.8	<1 /1	<0.2	<1		50	<10	9	· · · ·	14
F010S	546313	9110560	<1	<0.5	0.1	0.85	2.44	0.02	0.1	0.69	0.2	245	31	927	5.57	16	10	21.8	-		56.8	<1	<0.2	1 2	<u> </u>	60	<10	<5 <5	<2	6
F011S	546212	9110862		<0.5	0.1	0.73	2.29	0.02	0.1	0.67	0.29	329	37	990	6.99	18	12	20.8	118	1	54.3	<1	0.5	- 51	- 5	54	<10	<u> </u>	3	10
F012S	545752	9110672	<1	<0.5	0.09	1.14	2.45	0.04	0.11	0.56	0.08	162	21	887	5.06	14	10	71.7	124	L (	50.2	<u> </u>	0.2		\ \\	53	<10	6	4	<5

Table A-8 Results of Analysis of Geochemical Survey Samples (14/15)

Sample LITA(E)	1	Au	Be	Na	Mg	Al	P	К	Ca	Ti	v I	Cr	Mn	Fe	Co	Ni	Cu	·Zn	As	Sr	Мо	Ag	Cd	Sb	Ba	w	Hg	РЬ	Bi
No. UTM(E)	UTM(N)	ppb	ppm	*	*	× ×	<del>\</del>	<u>×</u>	3	*	ppm	ppm	ppm	*	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
F013S 545562	9110722	1	<0.5	0.06	0.77	1.9	0.02	0.12	0.38	0.12	193	19	990	4.92	14	7	35.5	132	√3	37.4	<1	<0.2	<1	</td <td>84</td> <td>&lt;10</td> <td>6</td> <td>8</td> <td>&lt;5</td>	84	<10	6	8	<5
F014S 545041	9108910	2	<0.5	0.05	1.26	2.28	0.04	0.13	0.33	0.14	264	20	1170	7.5	20	8	110	190	<3	32.7	<1	0.3	<1	</td <td>37</td> <td>&lt;10</td> <td>6</td> <td>11</td> <td>6</td>	37	<10	6	11	6
F015S 545160	9108898	1	<0.5	0.06	0.64	1.49	<0.01	0.05	0.39	0.62	527	44	1160	12.7	29	23	24.1	170	<3	31.2	<1	0.2	. <1	<;	27	<10	<5	3	21
F016S 544098	9110926	1	<0.5	0.04	0.74	1.62	0.02	0.07	0.26	0.37	442	32	1040	9.69	24	12	26	158	<3	25.7	<1	<0.2	<1	</td <td>48</td> <td>&lt;10</td> <td>&lt;5</td> <td>3</td> <td>13</td>	48	<10	<5	3	13
F017S 542549	9108590	3	<0.5	0.04	1.08	1.84	0.04	0.1	0.23	0.14	289	40	936	7.4	16	10	45.5	164	<3	16.7	<1	<0.2	<1	</td <td>39</td> <td>&lt;10</td> <td>&lt;5</td> <td>8</td> <td>6</td>	39	<10	<5	8	6
F018S 542398	9108786	2	<0.5	0.09	1.28	2.54	0.03	0.1	0.43	0.42	502	47	999	10.3	28	15	47.3	137	<3	42	<1	<0.2	<1	</td <td>40</td> <td>&lt;10</td> <td>6</td> <td>5</td> <td>13</td>	40	<10	6	5	13
F019S 542377	9109166	1	0.6	0.04	0.78	1.69	0.01	0.08	0.27	0.5	495	39	1280	10.9	24	12	23.6	194	<3	25.1	<1	<0.2	<1		52	<10	<5	7	16
F020S 542294	9110848	<1	<0.5	0.04	1.69	2.46	0.03	0.13	0.39	0.12	257	47	878	6.18	18	15	29.5	93.6	<3	26.5	<1	<0.2	<1		35	<10	<b>&lt;</b> 5	<2	<5
F021S 541107	9111806	<1	0.6	0.06	0.44	1.29	0.05	0.07	0.41	0.57	411	30	1630	10.5	17	- 8	8.3	192	<3	32.3	<1	0.2	<1	</td <td>43</td> <td>&lt;10</td> <td>&lt;5</td> <td>3</td> <td>18</td>	43	<10	<5	3	18
F022S 540415	9112216	<1	<0.5	0.03	0.71	1.41	0.02	0.07	0.52	0.47	423	38	1400	10.1	21	12	32	295	<3	26.1	<1	0.6		<:	222	<10	8	106	15
F023S 540347	9111968	5	<0.5	0.05	0.64	2.22	0.02	0.07	0.54	0.28	360	58	1200	10.4	26	15	41.1	136	47	47.9	<1	0.3			37	<10	61 5	15	11
F024S 538073	9110570	<1	0.6	0.03	0.49	1.36	0.02	0.06	0.27	0.52	421	34	1350	10.8	21	11	22.7	238	<3	25.9	<1	<0.2		- 3	58	<10 <10	11	20 15	18 10
F025S 538227	9110690	<1 /1	<0.5	0.04	0.52 0.55	1.85	0.02	0.1	0.3	0.26 0.2	291 263	51 40	1100 1260	7.25 6.9	18 17	10	44.5 45.1	141	<3 <3	26.9 19	<1 <1	<0.2 0.3			98 97	<10	11	26	8
F026S 538897 F027S 539076	9109936	<1 <1	<0.5 <0.5	0.02	0.55	2.18	0.02	0.09	0.31	0.16	203	22	1170	5.88	16	14	60.5	142	√3	31.1	<1	0.3		- 1	114	<10	12	8	6
F027S 539076 F028S 538170	9109986	<del>  `` </del>	0.6	0.03	0.7	2.18	0.02	0.04		0.16	220	13	1160	7.35	13	5	10.8	114	√3	35.8	<1	<0.2	1	- 2	80	<10	14	5	11
F029S 537235	9113090	<1	0.8	0.03	0.24	1.89		0.04	0.30	0.55	430	38	1320	11.1	22	7	11.7	193	√3	40.8	<1	⟨0.2	- 7	- 2	79	₹10	9	- 6	18
F030S 534741	9112546	1	0.6	0.04	0.37	1.86		0.04		0.59	393	26	1740	11.7	24	12	18.1	206	\\ <u>3</u>	36.5	<del></del>	⟨0.2	7	7	135	<10	23		20
F031S 535089	9111092	ζ1	<0.5	0.03	0.53	1.69		0.06	0.23	0.14	205	32	1090	5.27	15	10	_	143	₹3	22.9	₹1	<0.2	<u> </u>	(	64	<10	7	3	₹5
F032S 535176	9111524	1	0.6	0.03	0.76	1.63	<0.01	0.08	0.27	0.5	453	55	1380	10.3	23	33	38.3	187	√3	46.1	<1	<0.2	<b>~</b>	<u> </u>	50	<10	5	4	16
F033S 535722	9110660	<1	<0.5	0.04	0.8	2.02	0.02	0.07		0.11	234	51	1120	5.8	17	15	45.1	238	√3	21.9	<1	<0.2	<1	<;	57	<10	6	4	₹5
F034S 536094	9111160	1	0.6	0.03	0.96	2.1	0.01	0.07	0.33	0.49	441	67	1400	10.5	26	29	62.2	356	<3	33.3	<1	0.3	<1	</td <td>127</td> <td>&lt;10</td> <td>8</td> <td>40</td> <td>16</td>	127	<10	8	40	16
F035S 535899	9111107	<1	<0.5	0.09	1.13	3.52	0.02	0.1	0.65	0.3	290	30	1170	7.28	24	20	53.8	111	<3	122	<1	<0.2	<1	⟨!	87	<10	9	<2	9
F036S 535811	9100670	<1	0.6	0.02	0.29	1.79	0.01	0.07	0.21	0.19	212	18	990	6	14	7	18.7	99.6	<3	33.3	<1	<0.2	<1	</td <td>96</td> <td>&lt;10</td> <td>18</td> <td>8</td> <td>. 7</td>	96	<10	18	8	. 7
F037S 535731	9100760	2	<0.5	0.02	0.31	0.92	<0.01	0.03	0.13	0.63	559	39	1270	14.4	30	16	18.9	142	<3	16.8	<1	0.2	<1	</td <td>36</td> <td>&lt;10</td> <td>11</td> <td>5</td> <td>22</td>	36	<10	11	5	22
F038S 536138	9099956	<1	<0.5	0.02	0.24	1.54	0.02	0.04	0.16	0.25	228	55	733	7.19	12	8	12	59.4	<3	21.6	<1	<0.2	<1	♡	59	<10	14	4	10
F039S 550122	9083742	46	<0.5	0.06	0.4	1.38	0.02	0.09	0.81	0.29	397	66	945	12.2	21	15	50.7	120	25	72.2	2	<0.2	<1	</td <td>33</td> <td>&lt;10</td> <td>47</td> <td>26</td> <td></td>	33	<10	47	26	
F040S 550549	9083636	5	<0.5	0.04	0.51	1.51	0.02	0.11	0.4	0.17	293	55	945	10.2	18	12	29.1	83.4	25	29.1	<1	<0.2	<1	<:	36	<10	9	13	8
F041S 550508	9083595	26	<0.5	0.06	0.47	1.59		0.11		0.15	268	40	1030	9.69	20	12	34.1	86	32	29.8	<1	0.2	<1		40	<10	21	17	8
F042S 549603	9083074	14	<0.5	0.03	0.4	1.24		0.08	0.35	0.11	273	40	999	10.5	13	11	30.4	107	19	26.4	<1	<0.2	<u> </u>	<:	35	<10	12	25	
F043S 550883	9085126	132	<0.5	0.05	0.5	1.83	<0.01	0.06	0.84	0.32	468	70	1220	11.8	30			103	21	43.8	<1	0.3	<1	<u> </u>	45	<10	26	15	
F044S 550845	9086328	10	0.5	0.07	0.34	1.67	<0.01	0.02	0.47	0.79	687	52	1510	16.3	40		_	151	- /	39.2	<1 21	<0.2			34 23	<10 <10	34 39	27	13
F045S 552280	9085174	10		0.04	0.48	1.37	-	0.07	0.52 0.81	0.34	384	57 76	999 1430	10.5 16.8	29 36	20 23		136 172	48 16	34.5 36	- {	0.4		- 3	33	<10	23	18	
F046S 552443 F047S 553678	9085250 9082976	28 <1	0.5 <0.5	0.04	0.51 0.66	1.49 1.94	-	0.07	0.54	0.69	689 252	37	899	7.49	17	12		73.2	18	35.8	<b>₹1</b>	<0.2			37	<10	11	6	5
F047S 553678 F048S 553493	9082942	2	<0.5	0.03	0.66	2.14		0.07	0.53	0.09	301	45	1140	9.14	24	13	_	121	49	48.2	(1	0.3			38	⟨10	71	16	
F049S 552622	9082144	26	<0.5	0.04	0.3	1.27		0.06	0.42	0.13	189	47	734	6.76	12	9	91.3	129	31	33.5	3	<0.2	1		37	<10	43		
F050S 553478	9082640	<1	<0.5	0.02	0.75	2.06		0.06	0.6	0.06	184	23	918	6.42	17	10	34.5	74	16	39.8	<1	⟨0.2	1 7	-7	37	₹10	17	6	-
F051S 553856	9082528	₹1	⟨0.5	<0.01	0.73	0.75		0.02	0.17	0.35	527	55	858	13.9	23	20		144	16	10.4	71	⟨0.2	1 7	· (	12	<10	6	_	-
F052S 554950	9083008	1	<0.5	0.03	0.63	1.75	_	0.08	0.37	0.31	500	57	1110	12.6	23	20		145	15	28.4	<1	<0.2	(1	<:	30	<10	7	7	12
F053S 552850	9086042	<1	<0.5	0.04	0.42	1.22		0.06	1.04	0.32	417	34	842	11.8	15	15		107	17	44	<1	<0.2	<1	<:	26	<10	36	7	13
F054S 556679	9084230	1	<0.5	0.02	0.48	1.71		0.06	0.33	0.23	439	40	909	11.8	24	18	35.1	108	19	23	<1	<0.2	<u> </u>	<:	32	<10	21	8	10
F055S 556741	9084122	<1	<0.5	0.02	0.86	2.96	0.02	0.05	0.33	0.09	191	34	936	6.36	19	11	44.5	69.6	<3	39.3	<1	<0.2	<1	<	61	<10	7	4	<5
F056S 556440	9083850	1	<0.5	0.04	0.5	2.25	0.02	0.07	0.32	0.17	276	40	1030	8.29	21	. 11	45.3	76.4	<3	30.5	<1	0.2	<1	<	46	<10	8	8	8
F057S 556181	9083806	2	<0.5	0.02	0.5	2.1	0.02	0.05	0.26	0.12	330	38	927	9.07	17	14	29.8	80.7	7	24.9	<1	<0.2	<1	<	56	<10	11	6	
F058S 555582	9086820	<1	<0.5	0.04	0.9	2.54		0.1	0.67	0.19	301	26	1110	8.78	19	14	-	102	11	47.8	<1	<0.2	<u> </u>	<	50	<10	10		
F059S 554605	9086842	4	<0.5	0.04	0.7	2.4		0.05	1.83	0.14	207	26	1170	6.03	19			66.7	39	91.4	1	<0.2	<1	<	66	<10	34		
F060S 553891	9086908	1	<0.5	0.08	0.9	2.04		0.1	0.5	0.31	356	36	1040	8.3				143	<3	43.2	<1	<0.2	<1	<	48	<10	10	_	تنب
F061S 553277	9087192	1	<0.5	0.05		1.85		0.06	0.57	0.28	367	48	1170	9.18		12		144	5	49.9	<1	<0.2			55	<10	11	6	
F062S 552630	9086466	3	<0.5	0.04		2.25		0.08	0.61	0.15	238	15	1090	7.16	18	8	25.2	104	10		<1	<0.2		- <	63	<10	11	5	<u> </u>
F063S 548645	9086822	3	<0.5	0.06		0.87		0.03	0.29	0.65	534	42	990	12.8				137	<u> </u>	25.3	<1	<0.2			12	<10	20		22
F064S 548082	9086954	<1	<0.5	0.11	0.17	1.55		0.04	2.09	0.32	285	22	752	6.84	16	10		81.6	11	85.5	- 2	0.2		<u> </u>	34	<10	18		
F065S 548163	9087406	8	<0.5	0.13	0.21	1.75		0.05	1.01	0.32	282	32	473	6.42	15	10		82.8	4	71.1	<del>                                     </del>	<0.2			28	<10	200 17	4	
F066S 548853	9092694	2	<0.5	0.07	1.62	3.37		0.1	2.12	0.09	190	28	860	5.67 7.46	20	19		79.3	<3	107		0.2 <0.2	1 3		51 142	<10 <10	467	<2	<u>&lt;5</u>
F067S 548940	9092836	<u>. 1</u>	<0.5	0.03	0.59	2.18	0.01	0.13	0.63	0.26	286	31	1310	7.46	17	9	28	141	₹3	56.9		\0.2	_ (	_ <	142	_ \IU	40/		<u>a</u>

Table A-8 Results of Analysis of Geochemical Survey Samples (15/15)

Sample	r		Au	Be	Na	Mg	Ai	Р	κТ	Ca	Ti	l v l	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Sr	Мо	Αg	Cd	Sb	Ba	w	Hg	Pb	Bi
No.	UTM(E)	UTM(N)	ppb	ppm	3	- <del>''''</del>	<del>- 3</del> -	<del>'</del> ×	- 1	<u> </u>		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
F068S	549757	9092102	7	<0.5	0.05	1.3	2.66	0.02	0.07	1.89	0.13	212	26	954	6.05	19	17	28.3	98		94	<u> </u>	<0.2	7	74	89	<10	17	2	<u>- ₽₽111</u>
F069S	549783	9092286	3	₹0.5	0.04	0.49	1.86	0.02	0.07	0.78	0.29	308	21	1110	7.82	18	8	48.4	218		64.8	<u> </u>	0.4	- 2	- 74	160	₹10	51	18	10
F070S	549824	9091560	3	⟨0.5	0.06	1.26	2.96	0.02	0.1	2	0.09		22	899	5.4	17	15	_	_		100	- 21	⟨0.2	7	- 7	92	<10	26	- 3	√5
F071S	550168	9091728	4	₹0.5	0.02	0.44	1.26	0.04	0.06	0.26	0.15	251	17	872	9.6	16	6	27.5			24.4	1	⟨0.2	7	1 7	50	<10	26	10	11
F072S	550337	9092522	4	⟨0.5	0.02	0.49	1.57	0.03	0.05	0.3	0.12	205	8	1030	8.02	16	6	26.8	139	17	28.4	1	<0.2	- 21	7	51	<10	25	Ř	$\overline{}$
F073S	549516	9101292	2	₹0.5	0.02	0.28	1.19	0.01	0.08	0.17	0.22	210	28	843	5.97	13	7	15			17.1	<1	⟨0.2	\ \tag{7}	- 2	52	<10	10	6	
F074S	549745	9101170	1	⟨0.5	0.03	0.72	1.82	0.03	0.13	0.3	0.19	_	11	1040	5.59	11	6	16.2	170		27.4	<1	<0.2	<1	₹:	73	<10	8	5	6
F075S	549770	9101416	3	⟨0.5	0.06	0.38	1.92	0.02	0.14	0.32	0.13	_	23	734	4.75	10	7	16.5	_		32.9	2	<0.2	7	7.5	72	₹10	11	5	₹5
F076S	547410	9102878	4	0.6	0.03	0.57	1.37	0.01	0.09	0.17	0.6	_	75	1350	12.3	29	19	42.4		√3	16.3	<1	<0.2	< 1	7	56	<10	7	6	19
F077S	547111	9102840	3	<0.5	0.03	0.52	1.81	0.02	0.05	0.26	0.3		30	1180	8.11	20	11	31		<3	28.7	<1	<0.2	<1	₹.	81	<10	15	8	10
F078S	547613	9102108	1	⟨0.5	0.03	0.85	1.86	0.03	0.09	0.24	0.05		38	1080	5.29	12	9	85.3	228	<3	22.4	<1	<0.2	<1	< 5	67	<10	5	13	<5
F079S	548590	9102752	<1	<0.5	0.09	0.43	1.99	<0.01	0.11	0.48	0.38	327	40	1110	8.46	17	11	18.8	133	<3	55	1	0.2	<1	<5	59	<10	10	2	12
F080S	546082	9102106	1	0.6	0.04	0.71	1.6	<0.01	0.07	0.22	0.64	584	77	1720	14.5	29	19	41.9	233	<3	21.6	<1	0.3	<1	₹5	46	<10	5	9	21
F081S	545922	9101342	5	<0.5	0.07	0.38	1.61	0.02	0.05	0.31	0.42	366	64	1410	8.97	21	13	68.4	159	<3	31.2	<1	0.2	<1	</td <td>45</td> <td>&lt;10</td> <td>10</td> <td>11</td> <td>13</td>	45	<10	10	11	13
F082S	546293	9100956	5	<0.5	0.03	0.76	1.7	0.02	0.07	0.21	0.25	282	37	1320	7.4	19	12	68.3	209	<3	20	<1	<0.2	<1	</td <td>57</td> <td>&lt;10</td> <td>9</td> <td>14</td> <td>8</td>	57	<10	9	14	8
F083S	547336	9099302	17	<0.5	0.04	1.25	2.37	0.03	0.07	0.21	0.4	447	75	1440	10.5	27	19	43.2	223	<3	19.6	<1	0.3	<1	<5	47	<10	6	12	13
F084S	547500	9099822	4	<0.5	0.03	0.61	1.25	0.01	0.06	0.21	0.35	313	35	1010	8.13	19	15	23.8	137	<3	19.9	<1	<0.2	<1	<:	53	<10	6	9	12
F085S	546960	9100152	3	<0.5	0.03	1.01	1.91	0.02	0.08	0.21	0.45	431	90	1450	10.3	26	21	49.1	223	<3	18.7	<1	0.3	<1	<5	55	<10	10	16	15
F086S	548111	9099082	<1	<0.5	0.03	0.64	1.49	0.01	0.07	0.25	0.3	288	34	1030	7.47	19	13	30.7	139	<u>&lt;3</u>	22.6	<1	<0.2	<1	<b>~</b> 5	58	<10	10	12	10
F087S	548447	9098444	27	0.5	0.02	0.55	1.5	0.01	0.1	0.19	0.62	551	45	1830	13.1	29	17	33.6	204	<3	15.4	<1	0.4	<1	· · · · · · · ·	101	<10	12	47	21
F088S	504225	9113714	12	<0.5	0.02	1.05	2.77	0.02	0.06	0.4	0.06	223	23	1160	6.94	20	9	32.2	71.6	<3	39.2	<1	<0.2	<1	<5	83	<10	6	<2	<5
F089S	504414	9113610	60	<0.5	0.02	0.35	1.68	0.02	0.09	0.21	0.15	249	34	1040	7.29	15	8	21	79.9	<3	19.8	<1	<0.2	<1	<\$	69	<10	10	18	8
F090S	503954	9113214	9	<0.5	0.04	0.29	1.81	0.01	0.09	0.32	0.24		39	1200	8.22	20	9	20.6		<3	30.5	<1	<0.2	<1	</td <td>74</td> <td>&lt;10</td> <td>9</td> <td>9</td> <td>10</td>	74	<10	9	9	10
F091S	502927	9113644	<1	<0.5	0.02	1.03	2.33	0.02	0.03	0.47	0.05		14	1130	6.36	16	6	27		<3	38.9	<1	<0.2	<1	₹5	62	<10	6	2	<5
F092S	503047	9113562	28	<0.5	0.02	0.41	2.1	0.02	0.09	0.24	0.15		35	1160	7.19	15	. 8			<3	23.1	<1	<0.2	<1	<5	76	<10	17	13	6
F093S	502501	9112990	2	<0.5	0.04	0.17	0.96	<0.01	0.04	0.25	0.53	314	33	766	8.13	15	8	7.2	99	<3	30.6	<1	0.2	<1	<5	39	<10	<5	4	17
F094S	501308	9113188	3	<0.5	0.02	0.68	2.04	0.02	0.06	0.39	0.11		21	880	5.46	12	6				35.7	<1	<0.2	<1	< 5	50	<10	<5	4	<5
F095S	497279	9130352	8	0.7	0.03	0.32	4.1	0.03	0.06	0.38	0.12	_	8	1520	5.42	19	6	34.2		<3	50.3	<1	<0.2	<1	</td <td>306</td> <td>&lt;10</td> <td>46</td> <td>6</td> <td>&lt;5</td>	306	<10	46	6	<5
F096S	496545	9131370	6	0.5	0.01	0.27	0.91	0.01	<0.01	0.13	0.83		20	1940	16.2	34	11	11.7	183	<3	10.1	<1	0.3		<5	86	<10	<5	6	27
F097S	497947	9130422	3	0.7	0.03	0.28	2.02	<0.01	0.02	0.25	0.75		23	2390	15.4	36	11	18.3	160	<3	28.5	<1	0.5	_	< 5	251	<10	11	7	24
F098S	499121	9129600	5	0.6	0.01	0.3	1.23	<0.01	0.01	0.12	0.83		26	1730	17.5	35	12	14.6	190	<3	13.3	<1	0.4	<1	</td <td>107</td> <td>&lt;10</td> <td>. 8</td> <td>5</td> <td>27</td>	107	<10	. 8	5	27
F099S	493937	9126250	6	<0.5	0.04	0.27	1.44	<0.01	0.04	0.54	0.5		39	972	8.07	19	9	11.2	101	<3	46.4	<1	<0.2	<1	<\$	101	<10	21	5	15
F100S	493540	9127600	2	<0.5	0.04	0.32	1.71	0.01	0.04	0.73	0.27	_	24	841	5.49	16	8	15.6		<3	50.3	<1	<0.2	<1		130	<10	9	9	8
F101S	492215	9128082	<1	0.5	0.03	0.25	1.53	<0.01	0.02	0.35	0.52		32	954	8.45	21	9	11.7	96.7	\ \\ \( \)	31.5		0.2	1		135	<10	20	5	16
F102S	493455	9130186	2	<0.5	0.08	0.15	1.41	<0.01	0.01	0.57	0.21	196	14	707	4.83	13	5	8.7	49.5	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	45.8	- <1	<0.2	<del> {</del>	Ľ	87	<10	9	4	
F103S	495978	9131892	<1	0.6	0.03	0.31	1.55	<0.01	0.02	0.23	0.82	_	20	1680	17	35	11	15.3	183	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	24.9	<1	0.3	_		142	<10	12	8	26
F104S	496172	9132874	<1	0.5	0.02	0.22	1.83	<0.01	0.02	0.25	0.48		18	1440	10.8	24	8	13.8	118		32	<1	0.2			202	<10	17	7]	16
F105S	495136	9133184	<u> </u>	0.5	0.01	0.21	2.28	0.01	0.02	0.25	0.35		12	1400	9.42	22	<del></del>	18.3	94.1	<3	41.6	<1	<0.2	<1	- 4	232	<10	32		12
F106S	495930	9139576	<1	0.6	0.01	0.32	0.9	0.01	<0.01	0.13	0.98	_	35	1770	20.5	37		11.3	245	(3	9.7	<1	0.4	-		50	<10	24		31
F107S	494135	9138436	3	0.6	0.01	0.32	1.71	<0.01	0.02	0.17	0.87		27	1760	19.5	38	13	16.4	207	(3	17.3	<1	0.3		-	128	<10	13		29
F108S	494493	9137500	3	0.7	0.01	0.23	2.04	<0.01	0.02	0.15	0.61	505	17	2020	14.7	35	9	21.2	131	(3	23.6	(1	0.3		<u> </u>	226	<10	55	9	21
F109S	493478	9137060	- 2	0.6	0.03	0.21	2.18	0.01	0.02	0.3	0.42		17	1620	9.47	27	8	20.2	105	- 53	36.6	(1	<0.2		Ľ	264	<10	19	8	15
F110S	492779	9135738	<del>                                     </del>	<0.5 0.7	0.01	0.32	0.93	<0.01	0.01	0.12	0.87	663 746	23	1690	18.5	37	_	19.3	206	1 3	10.6	(1				81	<10	12 13	$\rightarrow$	28
F111S F112S	492459	9135574 9134424	6	-<0.5	0.02	0.31	1.44	<0.01	0.02	0.19	0.97		33	2120	19.7	38	13	15.3	220		19.1	<1	0.6	<1 <1		133	<10	_	8	30
	491631 490730	9134424	٠.	⟨0.5	0.06	0.35	1.61	0.02	0.02	0.47 0.55	0.61	526 419	75 73	1050	11.1	28	18 18	13.5 17	139	1 (3	33.8 42.3		<0.2	1 (1	H	79	<10	11 10	6	19
F113S	489832	9131798		⟨0.5	0.06	0.56	2.48 1.57	0.01	0.03	0.55	0.46		64	802 918	8.99 8.07	24 21	14	11.3		1 2	37.8		<0.2 <0.2			63 70	<10 <10	11	4	14
F114S	703032	12121120	_ 4	\0.0]	0.03	0.32	1.57	0.011	0.03	U.4Z	0.43	1 200	U4	910	6.07		14	11.3	104		37.8		\U.2	لكسما		701	\10]		41	13

Table A-8 Results of Analysis of Geochemical Survey Samples (Duplicates Samples)

Sample	Au	Be	Na	Mg	Ai	Р	к	Ca	Sc	Ti	V	Cr	Mn	Fe	Со	Ni	Cu	Zn	As	Sr	Y	Zr	Мо	Ag	Cd	Sn	Sb	Ва	La	w	Hg	РЬ	Bi
No.	dag	ppm	<u>x</u>	*	×	%	%	%	ppm	٧.	ppm	ppm	ppm	×	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		ppm	ppm
A021D	5	<0.5	0.04	0.37	1.87	0.03	0.1	0.29	7.5	0.17	213	23	1330	6.1	22	4	31.4	124	<3	33.1	9.5	10.2	<1	<0.2	<1	<10	<5	122	7.7	<10	18	16	<5
	31	<0.5	0.03	0.32	1.93	0.02	0.09	0.26	8	0.14	182	21	1190	5.22	20	3	28.6	97.3	<3	30.8	9.6	13.8	<1	<0.2	<1	<10	<5	130	8.2	<10	31	13	<5
A053D	4	<0.5	0.03	0.56	1.09	0.02	0.06	0.15	6	0.73	685	75	1480	13.5	50	15	42.3	192	<3	13.4	4.5	2.8	<1	<0.2	5	<10	<5	36	12.1	<10	<5	11	<5
	9	<0.5	0.04	0.64	1.46	0.02	0.08	0.21	6.1	0.36	388	29	1280	8.3	29	8	40.9	152	<3	20.1	6	4.8	<1	<0.2	2	<10	<5	51	10.1	<10	15	10	<5
A060D	6	<0.5	0.08	0.57	2.36	0.02	0.07	0.91	8.8	0.34	364	37	1340	7.78	31	11	28.2	144	<3	106	11.6	9.7	<1	<0.2	1	<10	<5	114	9.7	<10	<5	6	<5
	4	<0.5	0.08	0.54	2.1	0.04	0.08	0.85	7.9	0.4	427	65	1360	8.1	33	10	26.4	148	<3	90.2	10	9.1	<1	<0.2	2	<10	<5	96	11	<10	12	6	<5
A094D	7	<0.5	0.04	0.4	1.13	<0.01	0.02	0.2	8.7	0.85	815	101	1920	15.1	62	18	22.7	221	<3	23.5	5.3	11.8	<1	<0.2	6	<10	<5	36	12.5	<10	<5	6	<5
	<1	<0.5	0.03	0.4	1.16	<0.01	0.02	0.19	8.5	0.94	859	82	1910	13.8	61	15	24.3	204	<3	24.3	5.8	13.2	<1	<0.2	7	<10	<5	46	15.7	<10	7	<2	<5
A117D	7	<0.5	0.04	0.46	2.04	0.02	0.05	0.57	9.7	0.37	420	45	1350	8.92	35	10	36.3	128	7	60.6	10.2	12.1	<u> </u>	<0.2	2	<10	<5	110	8.8	<10	36	9	<5
	1	<0.5	0.04	0.39	1.5	0.02	0.04	0.43	7.9	0.54	559	59	1400	10.2	42		34.6	150	6	42.3	8.1	11.9	<1	<0.2	3	<10	<5	85	12.4	<10	19	11	<5
B012D	4	<0.5	0.07	1.32	3.74	0.02	0.08	0.77	16.9	0.25	268	32	1430	6.67	36	19	70.4	93.3	<3	190	15.1	22.5	<1	<0.2	<b>&lt;</b> 1	<10	<5	121	10.2	<10	8	3	<5
	<1	<0.5	0.07	1.45	4.38	0.02	0.1	0.81	18.2	0.22	277	28	1450	7.58	28	20	73.8	95.5	<3	197	16.1	23.5	<1	<0.2	<1	<10	<5	126	6	$\vdash$	13	<2	8
B019D	7	<0.5	0.09	1.36	3.91	0.02	0.09	0.81	17.6	0.23	246	31	1370	6.45	34	18	75.8 76	89.4 86.7	<u>⟨3</u>	180	15.9	24.3	<1 <1	<0.2 <0.2	<1 <1	<10	<5 <5	123	10.4	<10	81	<2 (2)	<u>5</u>
B020D	<1 <1		0.1	1.49	4.4	0.02	0.11	0.84	18.3 19.1	0.18	237	27 31	1330	6.88	27 37	20 21	86.1	85.6	<3 <3	192 194	15.7	23.1 21.7	<1 (1	<0.2	<1	<10 <10	<5 <5	121 83	5.8 8.4	<10 <10	12 <5	<2 · <2	- o - < 5
50200	<1	₩	0.08	1.49	4.4	0.01	0.11	0.81	18.8	0.29	329	33	1240	7.95	29	24	78.2	96.6	<3	189	13.4	22.4	<1	0.2	<1	<10	⟨5	77	4.4	=	9	⟨2	11
B021D	1	0.5	0.05	1.3	3.93	0.02	0.09	0.7	19	0.19	190	30	1440	5.89	32	18		82.2	<3	184	16.3	26.1	<1	<0.2	<1	<10	<5	142	9.2	<10	7	2	<5
	<1	<0.5	0.07	1.55	5.19	0.02	0.13	0.82	21.3	0.23	270	35	1400	7.74	30	25	79.6	94.6	<3	207	15.8	26	<1	<0.2	<1	<10	<5	127	5.5	<10	9	<2	9
B042D	1	<0.5	0.13	1.12	2.73	0.03	0.1	1.1	11.2	0.32	315	21	1050	5.79	30	14	53.1	86.8	<3	78.6	9.2	16.2	₹1	<0.2	<1	<10	<5	48	7	<10	<5	<2	<5
	2	<0.5	0.13	1.1	2.8	0.03	0.1	1.09	10.2	0.27	317	19	1000	6.27	20	15	49.7	89.4	<3	73.2	8.9	15.6	<1	<0.2	<1	<10	<5	44	3.4	<10	7	<2	9
B059D	168	<0.5	0.02	0.42	0.76	<0.01	<0.01	0.12	5.7	0.86	895	88	1760	17.4	69	19	25.3	237	<3	8.8	2.6	6.2	<1	<0.2	9	<10	<5	17	15.2	<10	<5	6	8
	11	<0.5	0.04	0.39	1.03	<0.01	0.02	0.29	5.1	0.73	757	56	1510	18	34	19	18.5	186	<3	22.2	3.2	8.3	<1	0.2	<1	<10	<5	33	1.2	<10	<5	7	30
B075D	12	<0.5	0.06	0.26	1.22	0.07	0.03	1.34	4	0.2	213	20	1160	6.31	17	3	12.8	121	27	63.9	7.1	3.7	<1	0.2	1	<10	<5	61	8.2	<10	24	10	<5
	6	<0.5	0.05	0.29	1.52	0.05	0.04	1.28	3.9	0.1	145	9	1080	5.28	10	4	14.9	92.4	18	63.5	6.5	4.5	<1	0.2	<b>&lt;</b> 1	<10	<5	63	3.7	<10	25	8	5
B084D	5	<0.5	0.04	0.27	0.92	0.03	0.02	0.93	7	0.61	511	37	1540	12.1	38	6	14.3	213	22	45.2	6.3	7.4	<1	0.2	3	<10	<5	186	12.4	<10	62	5	<5
	1	<0.5	0.03	0.3	0.93	0.02	0.02	0.81	8	0.74	636	26	1870	18.5	27	11	15.4	238	16	38.2	5.9	9.2	<1	0.4	<1	<10	<5	160	2.7	<10	29	9	30
B102D	27	<0.5	0.03	0.42	0.92	<0.01	0.03	0.16	6.6	0.76	659	64	1630	13.2	52	15	28.4	225	<3	14.9	4.9	7.1	<1	0.6	5	<10	<5	30	11.4	<10	<5	9	<5 <sub>1</sub>
	7	<0.5	0.02	0.43	0.94	<0.01	0.03	0.16	6.1	0.65	616	43	1550	14.4	27	16	-	198	<3	14.2	4.6	8.6	<1	0.2	<1	<10	<5	32	2.2	<10	6	12	25
B108D	4	0.5	0.03	0.27	1.32	0.02	0.06	0.26	6.3	0.19	210	25	942	5.38	17	3		81.8	<3	28.9	10.4	7.6		<0.2	<1	<10	<5	81	7.3		<5	12	<5
D116D	<1	-	0.02	0.29	1.59	0.02	0.07	0.26	6.7 12.7	0.21	234 334	25 51	966	6.37 6.86	12 30	5 12		88.1 90.1	<3 <3	27.3 95.8	10.9 13.2	11 15.9	<1 <1	3.6 <0.2	<1	<10 <10	<5 <5	85 97	5.6 9		8	12 <2	10 <5
B116D	62	⟨0.5	0.05	0.85	3.04	0.02	0.07	1.65	13.3	0.23	331	44	1030	7.63	21	15	35.2	84	<u>√3</u>	92.2	13.6	17.2	<1	<0.2	<1	<10	<u> </u>	99	5	<10	<u> </u>	<u> </u>	
C007D	2	<0.5	0.03	0.93	0.91	0.02	<0.01	0.46	3.2	0.79	692	59	1600	14.3	51	11	19.5	213	- ⟨3	27.7	13.0	5.5	\\ \{1	⟨0.2	6	<10	<u>√</u> 5	41	12.6	$\vdash$	7	<u>√2</u>	<5
C007D	2	===	0.05	0.25	0.86	0.03	0.01	0.48	2.6	0.73	655	36	1310	13.8	25	13		171	₹3	28.1	3	6.6	<del>\</del> 1	0.4	√(1	<10	<u> </u>	43	2.2		6	4	27
C025D	2	<0.5	0.12	1.21	3.42	0.02	0.08	1.2	10.4	0.11	168	29	1030	4.67	23	12	41.8	70.7	<3	127	10.2	18.6	<1	<0.2	<1	<10	<5	109	7.6	$\overline{}$	7	3	<5
dC025	<1	<0.5	0.1	1.21	3	0.02	0.1	1.15	9.9	0.11	189	21	1050	5.11	20	13	42	71.8	<3	124	11	18.5	<1	<0.2	<1	<10	<5	108	5.4	<10	<5	4	<5
C028D	5	<0.5	0.13	0.42	2.06	0.04	0.06	1.27	5	0.38	396	51	1210	7.27	30	11	19	113	<3	82.1	6.1	7.2	<1	<0.2	1	<10	<5	88	10.1	<10	7	6	<5
	<1		0.13	0.44	2	0.03	0.07	1.26	4.8	0.36	411	64	1230	7.83	20	14		113	<3	79.5	6.6	8.4	<1	<0.2	<1	<10	<5	89	6.1	-	9	6	12
C030D	2		0.14	1.28	3.42	0.03	0.13	1.37	11.5	0.2	239	38	1160	5.4	29	19	55.5	78.5	<3	122	10	_	<1	<0.2	<1	<10	<5	90	8.2		<5	<2	<5
00500	<1	<del>                                     </del>	0.15	1.2	3.18	0.03	0.14	1.35	10.3	0.25	318	50	1090	6.58	25	21	53.5	87.6	<3 <2	113	9.7	16.2	<u> </u>	0.2	<1	<10	<5 <5	82	4.5	_	9	<2	
Ç056D	4	<0.5	0.14	0.3	1.23	0.05	0.03	0.76	3	0.31	305	70	750	6.77	21	6	12.1	110	<3	54.9	3.4	3.7	<1	<0.2	<1	<10	<5	36	6.6	<10	_:<5	<2	.∵<5

Table A-8 Results of Analysis of Geochemical Survey Samples (Duplicates Samples)

No		_	Т	_	<b>.</b>			1 ^	Т.	. I			-			1		_	I I	_																
	-		╀		Na	Mg	AI	P	+	K	Ca	Şc	Ti	<b>V</b>	Cr	Mn	Fe	Со	Ni	Cu	Zn	As	Sr	Y	Zr	Мо	Ag	Cq	Sn	Sb	Ba	La	W	Hg	Pb	Bi
Cornel   C	-		┿	_	70 000	$\longrightarrow$		-		3		-							<del></del>	• •		$\rightarrow$				ppm		ppm	ppm	<del></del>	ppm	ppm	ppm	ppm	ppm	ppm
COSSIDED	_		+	$\overline{}$				-	_							$\rightarrow$			<del>- `</del> +		_	$\overline{}$						<1		$\rightarrow$		3.2	<10	5	<2	8
COMPONENT   COMP	_	54U	÷					<del></del>	<del></del>	Ť	$\overline{}$							=							<del></del>	<del></del>		- 71	==	-		13.4	<10	<5	<2	<5
Composition	_	25	+-			$\longrightarrow$		-	+-		_		_	-				$\overline{}$			$\rightarrow$	-			-	<1		_			102	3.1	<10	6	<2	23
Composition	_	25	Ľ						+										-			$\rightarrow$		6	11.3	<1	<0.2	4	<10	<5	81	11.1	<10	16	5	<5
C108D		5	┝						+	$\overline{}$						-		_	<del></del>				-	$\longrightarrow$		$\longrightarrow$		<1		$\rightarrow$		2.5	<10	16	5	29
C198D	=	3	H						-	-		=							===					<del></del>		_				=		11.2	<10	14		<5
C1230 3 0.05 0.08 0.22 1.86 0.02 0.1 0.4 8.5 0.22 342 42 1280 7.42 17 9 228 120 3 47 119 7.7 C1 C02 C1 C10 C5 586 C1230 3 0.05 0.08 0.22 1.86 0.02 0.02 7.05 5.4 0.08 180 47 3290 3.63 29 8 22 2.88 4 107 15 13.3 C1 C02 C1 C10 C5 586 C1 C10 C10 C5 586 C1 C1		1	-	$\rightarrow$			1.63	-	+						-	_		_	ightarrow			$\rightarrow$		-	_		<del></del>	-		_		3.5	<10	18	5	13
C123D   3   C05   O.08   O.22   1.86   O.02   O.02   O.05   5.4   O.06   180   47   3290   3.65   29   8   22   28.8   4   107   15   13.3   C1   C02   C1   C10   C5   574   C1   C10   C5   C574   C10			⇌				1.00		+	<del>-</del>		_			_				<del></del>							==		$\rightarrow$				14.5	<10	6	11	<5
C1290 1 0.5 0.09 0.21 1.82 0.02 0.02 6.87 5.4 0.08 215 36 3410 4.05 27 8 21.7 30.8 10 113 172 12 <1 0.04 <1 110 <5 5.86		<u> </u>	╌	_				-	+			$\overline{}$							-		$\overline{}$	<del>-</del>							$\overline{}$	$\longrightarrow$		4.8	-	17	10	<5
C129D 1 0.5 0.06 0.61 3.2 0.01 0.05 175 141 0.02 288 16 2570 5.18 34 6 40.3 372 3 105 149 16.5 C1 C02 C1 C10 C5 486 1 C1 C10 C5 588 1 C1 C10 C1 C10 C1 C10 C1 C10 C1 C10 C1 C10 C1 C1 C10 C1 C1 C10 C1 C1 C10 C10	=	<u></u>	=	-		===		<del></del>	+	=				_				-							_	$\Rightarrow$		_		=		13.4		8	12	
C1   C0   C0   C0   C1   C0   C0   C0		-	+			_		_	-	-	$\overline{}$			$\overline{}$	$\overline{}$			_				$\overline{}$	$\overline{}$	<del></del>		_	$\overline{}$	_		_	_	12	<10	9	10	<5
C133D 2 0.5 0.14 0.45 3.10 0.03 0.06 3.72 9.6 0.3 281 38 1280 6.19 27 7 22.7 127 <3 155 156 18.4 <1 <0.2 1 <10 <5 149 10 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00	=	<u> </u>	÷					_	+	<del></del>									0				<del></del>	<del></del>		-	<del>- i</del>			=		8.3		8	8	<5
2 0.5 0.08 0.33 1.95 0.03 0.04 2.76 7.6 0.32 307 30 1130 6 18 9 16.8 103 3 106 14.4 15.8 1 0.2 1 0.0 5 149 10500 2 0.5 0.1 0.76 2.39 0.02 0.05 0.84 9.9 0.7 66.6 71 1810 10.7 46 16 28.2 178 3 93.5 10.4 8.6 01 0.2 3 0.0 0.5 88 10.0 0.0 0.7 0.7 2.1 0.0 0.0 0.0 0.83 8.4 0.47 44.8 46 14.90 8.8 21 1.9 25.3 12.3 0.3 87.9 10.3 9.6 0.1 0.2 0.1 0.0 0.5 88 1.0 0.7 0.7 0.0 0.0 0.0 0.8 0.8 8.4 0.47 44.8 46 14.90 8.8 21 1.9 25.3 12.3 0.3 87.9 10.3 9.6 0.1 0.2 0.1 0.0 0.5 88 1.0 0.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-	-;	H					<b>├</b>	+-	-	$\overline{}$			$\overline{}$				$\overline{}$					_			$\rightarrow$		<u> </u>				12	<10	14	10	<5
D050D 2 (0.5 0.1 0.76 2.39 0.02 0.05 0.84 9.9 0.7 666 71 1810 10.7 46 16 282 178 (3 93.5 10.4 8.6 (1 0.2 3 <10 <5 88 1	=	2	H	=				_	_	-											<del></del>			<del> </del>			<del></del>	!				10.3		56	6	<5
Color   Colo	-	- 2	-			_		—	+-	$\overline{}$	$\longrightarrow$				$\rightarrow$			$\overline{}$	$\longrightarrow$		$\longrightarrow$		_			$\rightarrow$		<11	_			6.1	<10	13	11	5
D076D   5   CO.5   0.04   0.49   1.38   0.01   0.05   0.26   7.5   0.76   655   655   1580   12.1   50   15   32.1   193   (3   2.5   5.9   8.5   4.1   0.02   4   4.10   4.5   4.7   1.0   4.10   4	=	<u> </u>	⇌	_				<del>†                                    </del>	+	=	<del></del>				=				=			=						31		=		12.8	<10	18	3	<5
7 <0.5	_	5	+	$\rightarrow$				_	+	_				$\overline{}$					$\rightarrow$	$\overline{}$		$\rightarrow$			$\overline{}$	$\overline{}$		$\overline{}$		$\rightarrow$		5.1	<10	6	3	14
D103D	=	7	=						<del>+-</del>	<del>-</del>					_			_				==		3.9] 7]		=						12.8 3.5	<10 <10	9 <u>1</u> 8	6 71	<5 18
Color   Colo		1	•					<del></del>	+	$\rightarrow$	<del></del>				-				$\vdash$			$\overline{}$		10.6		-	$\overline{}$						<10		-/	<5:
D121D		<1	٠	$\rightarrow$					+-			_											-			$\rightarrow$	$\rightarrow$		-	$\overline{}$		4.1	<10	22 16	9	- \
Color   Colo		4	÷	<del>-i</del>					+	$\overline{}$					_	<del></del>		_				<del>-</del>		_	<del>- 1</del>	<del>``</del>		-			<del>- i</del>	8.8	<10	9	6	<b>-</b>
D150D		<u>&lt;1</u>	₩	_					+		$\overline{}$			_	_	<del>+</del>		_	7		$\longrightarrow$	$\rightarrow$			<del></del> +		$\rightarrow$	$\rightarrow$		$\rightarrow$		4.2	<10	8	-	
2 0.6 0.02 0.54 1.38 0.01 0.05 0.29 9.3 0.73 792 67 1670 16.5 34 19 49.4 249 <3 2.2 8.8 11.8 <1 0.3 <1 <10 <5 43 2	-		-	_					+	_						<del>- +</del>			12			$\overline{}$				_		-						9	15	<5
E001D	_	2	H	-					+-	-				-	$\overline{}$				$\vdash$			$\rightarrow$			$\overline{}$	$\rightarrow$		—∔		$\rightarrow$		12.3	<10 <10		25 31	<5
4 0.5 0.06 0.34 1.96 0.01 0.09 0.51 7.9 0.21 229 22 1150 5.58 15 6 21.5 85.2 <3 67.1 10.1 19.3 <1 <0.2 <1 <10 <5 109 <1 <	-	<u>&lt;1</u>	┪						+	$\Rightarrow$										_						<del></del>			_			9.4	<10 <10	14	4	21 <5
E072D 6	_	4	-			$\overline{}$		_		_	_	7.9		$\overline{}$	-				6		$\overline{}$	$\overline{}$		_			$\overline{}$	_		$\rightarrow$	_	5.8	<10	14	<del>-7</del> 1	<1
3 (0.5 0.02 0.54 1.54 0.02 0.06 0.38 7.8 0.26 437 44 944 8.54 19 12 45.6 78.2 4 34.9 9.9 7.3 <1 <0.2 <1 <10 <5 36 <1 <		61	T	0.6	0.04	0.51	1.52	0.02	2 0	0.05	0.42	=			$\Rightarrow$			_	9			_			_	=						8.3	<10	10	5	<5
E086D		3	<	(0.5	0.02	0.54	1.54	0.02	2 0	0.06	0.38	7.8	0.26	437	44	944			12	$\overline{}$	$\overline{}$	-	$\rightarrow$				$\overline{}$		$\overline{}$		$\overline{}$	3.3	₹10	11	8	√1
3 0.6 0.01 0.27 0.99 0.01 0.05 0.19 5.8 0.51 474 22 1370 11.2 19 9 16.9 128 3 22.6 7.4 14.1 <1 <0.2 <1 <10 <5 51 <0.000		<1	<	(0.5	0.03	0.32	1.21	0.02	2 0	0.05	0.22	6.8	0.66	578	35	1620	11.9	40	8	18.7	153	<3	25.5	7.8	13.7	<b>&lt;1</b>	0.2	4	<10	<5	55	12.2	<10	16	4	<5
E132D 2 < 0.5		3		0.6	0.01	0.27	0.99	0.01	0	0.05	0.19	5.8	0.51	474	22	1370	11.2	19	9	16.9	128	<3	22.6	7.4	14.1	<1	<0.2	<1		$\rightarrow$		3.2	<10	13	5	<del></del>
2 0.7 0.04 0.47 2.1 0.02 0.05 0.49 9.1 0.43 385 19 1530 8.2 23 9 24.1 102 <3 48.7 11.3 24.5 <1 <0.2 <1 <10 <5 183 5		2	<b>\</b>	0.5	0.06	0.47	2.06	0.02	2 0	0.04	0.47	8.7	0.5	447	29	1440	8.68	36	8	22	126	<3	44.9	10	20.3	<1	<0.2	2	<10		152	10.9	<10	40	6	<5
FOOSD (4) (05) 007 104 000 014 007 00 014 007 00 00 00 00 00 00 00 00 00 00 00 00		_2	L	0.7	0.04	0.47	2.1	0.02	2 0	0.05	0.49	9.1	0.43	385	19	1530	8.2	23	9	24.1	102	<3	48.7	11.3	24.5	<1	<0.2	<1	<10	<5	183	5.6	<10	37	6	6
F005D	_	<1	<	0.5	0.07	1.21	2.14	0.03	3 0	0.11	0.57	8.6	0.12	195	21	1020	4.88	20	7	31.7	138	⟨3	42.3	8	6.9	₹1	<0.2	<1	<10	<5	70	7.1	<10	6	7	<5
		1	<	0.5	0.06	1.36	2.44	0.03	3 0	).13	0.56	9.4	0.08	166	22	927	4.94	15	9	30.9	132	<3	40.2	8.6	7.4	<u>&lt;1</u>	<0.2	<1	<10			4.1	<10	<5	8	<5
F006D <1 <0.5 0.08 0.96 2.14 0.03 0.09 0.59 8.3 0.28 325 32 1160 6.88 28 9 51.1 139 <3 53 6.8 6.3 <1 <0.2 1 <10 <5 58		<1	<	0.5	0.08	0.96	2.14	0.03	0	0.09	0.59	8.3	0.28	325	32	1160	6.88	28	9	51.1	139	<3	53	6.8	6.3	<1	<0.2	1	<10	<5	58	7.9	<10	7	6	<del></del>
1 < 0.5   0.08   0.9   2.04   0.03   0.1   0.5   7.9   0.31   356   36   1040   8.3   20   13   48.3   143   < 3   43.2   6.3   6.3   < 1   < 0.2   < 1   < 10   < 5   48	_	1	<	0.5	0.08	0.9	2.04	0.03		0.1	0.5	7.9	0.31	356	36	1040	8.3	20	13	48.3	143	_<3	43.2	6.3	6.3	<1	<0.2	<1				3	<10	₹5	6	10
		<1		0.6	0.06	0.48	2	0.02	2 0	0.06	0.87	8.8	0.47	588	57	1710	11.1	37	13	39.8	179	<3	66.9	9	9.3	<1	<0.2	3	<10			12.8	<10	16	7	<5
1 < 0.5   0.08   0.9   2.04   0.03   0.1   0.5   7.9   0.31   356   36   1040   8.3   20   13   48.3   143   < 3   43.2   6.3   6.3   < 1   < 0.2   < 1   < 10   < 5   48	_	_1	<	0.5	0.08	0.9	2.04	0.03		0.1	0.5	7.9	0.31	356	36	1040	8.3	20	13	48.3	143	<3	43.2	6.3	6.3	<1	<0.2	<u>&lt;1</u>	<10		$\overline{}$	3	<10	10	6	10

## Table A-9 Results of PIMA Spectometer Measurements (1/3)

CANADI C	MINISTAN :	AATAIT DAY A	BATHERAL A	AARIEDAL 4	Address -	Transcore :	Teamers	INTERNAL OF	AANAITO	MINIEDA: 45
SAMPLE A002X a	MINERAL 1	MINERAL_2 IntChoritete	MINERAL 3	MINERAL_4	MINERAL_5	MINERAL_6	MINERAL_7	MINERAL 8	MINERAL 9	MINERAL_10
A003X_a	Montmorillonite			<u> </u>		<u> </u>		<u> </u>		
A0040_a	Muscovite	Illite	Jarosite	Palygorskite						
A005O_a A006I_a	Illite Illite	Na_Alunite	Muscovite	Hallovaita	Montmonille-it	Kaolicita	<del> </del>	<del> </del>	<del>                                     </del>	
A007X_a	IntChoritete	Illite	Gypsum	Halloysite	Montmorillonite	- Caumille		<u></u>		
A008O_a	Halloysite	Montmorillonite								
A009[ a A010S_a	Illite IntChoritete	Phengite	Muscovite Halloysite	Nontronite	Halloysit	Montmorillonite	<del> </del>	<u> </u>		
A011TX a	Intonontete		nalloysite		1					
A014TX_a		IntChoritete	Halloysite	MgChlorite						
A015TX_a		Brucite	Ankerite		-		1			
	Montmorillonite Muscovite	Halloysite Halloysite	Montmorillonite		-		<del> </del>			
	Jarosite	Illite	I I I I I I I I I I I I I I I I I I I							
A021AO_a			Ankerite	Montmorillonite	Halloysit					
A022AO_a A023T_a	Ankerite Muscovite	Ankerite	Phlogopite2	K_Alunite IntChoritete		<del></del>	<b>_</b>	<del></del>		
	Kaolinite	Epidote	Halloysite	Intenoritate				-	l. [	
A025T_a	Palygorskite	Epidote								
	IntChoritete	Illite	FeChloriteee	Brucite						
	IntChoritete Illite	Palygorskite Epidote	IntChoritete	Illite	<del></del>	<del>                                     </del>	<del>                                     </del>	<del></del>		
	IntChoritete	Halloysite	Ankerite	Gypsum	Illite					
	Illite	Ankerite	Jarosite	Halloysite	Montmorillonite	Gypsum				
	Muscovite Kaolinite	Montmorillonite Pyrophillite	Illite Dickite		-					
	Illite	r yropriinte	IntChoritete							
A034X_a	Paragonite	Dickite	Diaspore	Kaolinite						
	Palygorskite Montgorillanite	Nontronite Biotite	Dohama 1-24 :		<del>                                     </del>	<del></del>	<del> </del>			
	Montmorillonite Illite	Ankerite	Palygorskite Kaolinite		<u> </u>	<del></del>	<del> </del>			
A051A_a										
A052T_a	Montenaille	Paragasias	III-		ļ		<del>                                     </del>	<u> </u>		
	Montmorillonite Illite	Paragonite Palygorskite	Illite Montmorillonite	Paragonite	IntChoritete	FeChloritee	<del>                                     </del>	·		
A058X a	Muscovite	Kaolinite	Montmorillonite	Kaolinita						٠
	Muscovite			Halloysite Jarosite	Montmorillonite		<del></del>			
	Montmorillonite Illite		Illite Paragonite	Jarosite						
	Palygorskite		Kaolinite	Halloysite	Gypsum	Jarosite ·	Illite	Montmorillonite		
A066_a	Illite	Ankerite		Brucite	IntChorite		100.			
	FeChloriteee Halloysite	Epidote		Epidoțe Halloysite	IntChorite Kaolinite	Kaolinite Illite	Illite			
		Illite	co.ioi icete	, -anoyerto						
A070T_a	IntChoritete		Illite	Calcite						
A072A a	IntCharitata	Illite	Kaolinite	Illite	Jarosite	Montmorillonite	<del>                                     </del>		<u> </u>	
	IntChoritete Illite	Ilirte Gypsum	Ankerite	Kaolinite		,	<u> </u>			
A075A a	Kaolinite		Illite	Muscovite	Jarosite					
	lilite		Muscovite						L	
	Muscovite Epidote	Halloysite	Montmorillonite		<u> </u>	<u> </u>	<del> </del>			
A079A_a	Illite	Epidote	IntChoritete	Brucite	Halloysit	Kaolinite				
A080X_a	Muscovite	Montmorillonite	Illite							
	IntChoritete Epidote	Halloysite			<del>                                     </del>					<b></b>
	IntChoritete	, iamoysius								
A084A_a	Epidote		Illite							
	Muscovite Illite	Palygorskite Gypsum	IntChoritete Palveorskite	Illite	Halloysit	<b> </b>	<del>                                     </del>			
			Palygorskite Nontronite	Montmorillonite						
A090X_a										
	Paragonite	Montmorillonite	FeChloritees	<b></b>	ļ	-				
	Illite Muscovite	Illite	Kaolinite		<del> </del>	<u> </u>				
A094_a	Muscovite	Jarosite	Illite							
	Kaolinite	Montmorillonite	lilite	0	Jarosite	Halloysit				
A096P_a A097X_a	Illite		Kaolinite	Gypsum		-				
A098A_a	Paragonite		Illite	Kaolinite	Montmorillonite					
A099A_a	Paragonite		Illite	Kaolinite	Muscovite					
	Kaolinite Muscovite	Illite Montmorillonite		Kaolinite Dickite	Muscovite K_Alunite	<del> </del>	<del>                                     </del>			
	Muscovite Muscovite	Ankerite	Halloysite	Illite	Gypsum					
A103A_a	Illite	Kaolinite	Jarosite	Halloysite	Paragonit					
	Muscovite Muscovite	Brucite Kaolinite	Epidote			<del> </del>				
	Muscovite Muscovite		Montmorillonite Palygorskite			<del> </del>	<del> </del>		<b></b>	
A109S_a										
	Paragonite		Illite	1004					ļ	
	Halloysite Kaolinite	Gypsum [llite	Kaolinite Gypsum	Illite						
	Halloysite	Palygorskite	Nontronite							
A118X a	Halloysite									
A119A a A120A a	Muscovite	Montmorillonite Illite	Palygorskite	Jarosite		ļ	<del> </del>	<del>                                     </del>	<u> </u>	
			Muscovite	Uar Ubricd			<u> </u>			
A121A b	Kaolinite	Illite	Halloysite	Montmorillonite						· · · · · · · · · · · · · · · · · · ·
A122P a		Muscovite	Montmorillonite	Kaolinite						
	Montmorillonite Illite	Kaolinite Palygorskite	Halloysite Montmorillonite	Muscovite Muscovite	Gypsum Jarosite		<del> </del>	-		
	Illite		Muscovite	Jarosite	Opal	NH4_Aluni	FeChloritee			
A126A_a	Illite	Gypsum	Muscovite	Jarosite						
B001P_a	Montmorillonite	Palygorskite								
D004₹ !		ı	1							<b></b>
B003T a				l		1				
B005T a	Halloysite		Kaolinite							
B005T a B006A a	Halloysite Halloysite		Kaolinite Kaolinite				<u> </u>			

### Table A-9 Results of PIMA Spectometer Measurements (2/3)

SAMPLE	MINERAL 1	MINERAL_2	MINERAL 3	MINERAL 4	MINERAL_5	MINERAL_6	MINERAL_7	MINISTAL	MINEDALO	MINERAL 10
	Palygorskite	MINERAL_2	Nontronite	MINERAL 4	MINERAL 3	MINCHAL U	MUNICIPAL.	MINTERVE 0	MUNICIONE	MINEIVALIO
B010_a	Opal	Palygorskite	Illite	Halloysite						
B011X a				Dickite				1		
B012A_a B013A_a		Paragonite Muscovite	Gypsum Jarosite							
B015_a										
	Montmorillonite	_	Kaolinite							
	Montmorillonite Illite	Paragonite Gypsum	Halloysite Kaolinite	Dickite	ļ					
	Illite	Jarosite	Kaoirite							
B021A a	Illite	Phengite	Muscovite		Ankerite	Jarosite				
B022T_a	IntCharitete		Illite	Eoidota	Halloysit					
B023_a B024A_a	Kaolinite Muscovite	Gypsum Kaolinite	Ankerite Illite	Halloysite Phengite	Illite					<del> </del>
	Kaolinite	TTG O III TI CO	anico .	, mongree						
C001S_a	Kaolinite		Na_Alunite	Halloysite						
	Illite Na_Alunite	Gypsum Kaolinite	Paragonite Dickite	Montmorillonite	Diaspore			-		
	Dickite	Kaomine	Kaolinite							
C006A_a	Dickite	Halloysite	Montmorillonite	Kaolinite						
	Montmorillonite Kaolinite		Diaspore	Na_Alunite						
	Dickite	Pyrophillite	Gypsum	Kaolinite	Pyrophill	Diaspore				1
C011X_a	Halloysite	Montmorillonite	- 7,5							
C013T_a	i		0.1.12							
C014T_a C015_a	Illite	Gypsum	Palygorskite							
C016_a	IntChoritete									
C017_a	Illite		Halloysite							
C018_a C019_a	Illite Muscovite	IntChoritete	Jarosite							
C019_a C020_a	Muscovite	Montmorillonite								
C021X a		Halloysite								
C023S a			Mita	Composer						
C024A_a C025S_a	<b> </b>		Illite	Gypsum						
C026S_a	Calcite	Illite	Ankerite							
	Illite	Jarosite	Halloysite	Gypsum	Muscovite				ļ	
	IntChoritete Illite	Palygorskite Gypsum	Montmorillonite Muscovite	Epidote Paragonite	Halloysit					<b></b>
	Illite	Сурван	Gypsum	a agonica	Hanoyaic					
	Illite	Gypsum								
D002_a D003S_a	Montmorillonite Palygorskite	Kaolinite Illite	Jarosite							
		Kaolinite	Illite	Jarosite						
D005S_a	Halloysite	Opai	Gypsum ,							
	Montmorillonite Paragonite	Halloysite Montmorillonite	Illite	Jarosite						<del> </del>
		Illite	Epidote	Darosite						,
D014X_a	Kaolinite									
	Kaolinite Kaolinite		Illite Muscovite	Montmorillonite						
	Calcite		Ankerite	Monumonilonice						
D022RS_a	Montmorillonite									
	Kaolinite	Calcite	Ankerite							
D024X_a D026S_a	Halloysite				,					
	Illite	Halloysite	Muscovite	IntChoritate						
	IntChoritete	****	Epidote					<u> </u>		
	IntChoritete Illite	Illite								<del>                                     </del>
		Illite	Phengite	Halloysite						
	Montmorillonite									
E001X a E002S_a	Montmorillonite		Palygorskite	Muscovite	Halloysit					-
E004S_a	Illite	Halloysite								
E005X_a	Gypsum			Halloysite						
	Montmorillonite	Illite Kaolinite	Muscovite Illite	Montmorillonite Halloysite				<del> </del>		
	Muscovite	Pałygorskite	Montmorillonite	yerro						
E009X_a	Montmorillonite	Jarosite	Muscovite	Illite						
	IntChoritete Halloysite	Halloysite Epidote	Illite Illite	Palygorskite	Muscovite	IntChorite		1	1	
	Illite		Palygorskite	Epidote						
E013A a	Montmorillonite	Kaolinite	Illite	Gypsum						
E014X_a E016A_a	Palygorskite Diaspore	Halloysite Jarosite	Illite Montmorillonite	Gypsum	<b></b>			<del> </del>		<del> </del>
	Diaspore Montmorillonite	Jarosite Jarosite	Illite	Kaolinite				<u> </u>		
E018P_a	Jarosite	Gypsum	Montmorillonite							
E019X a	W15-34		Illite	Gypsum						
	Kaolinite Kaolinite	Illite Illite							ļ	<b></b>
	Muscovite	Kaolinite	Illite	,,						
E023R_a	Muscovite	Halloysite	Kaolinite	Illite						
	Kaolinite Kaolinite	Halloysite	Halloysite					-	-	
E025A_a	, variance		. ianoysit <del>o</del>							
E027X_a	IntChoritete								ļ <u> </u>	
	IntChoritete		Halloysite						ļ	<b> </b>
	Illite Illite	Calcite	IntChoritete						<b> </b>	
E033A_b	Illite		IntChoritete							
	Illite	Dickite	Kaolinite	Illite					-	ļl
	Illite Halloysite	Paragonite	IntChoritete Illite	Kaolinite	Jarosite					
E113A a				†	<del> </del>	· · · · · · · · · · · · · · · · · · ·				
E114X_a	Muscovite		Montmorillonite							
E114X_a E115R_a	Muscovite IntChoritete	Illite	Halloysite							
E114X_a E115R_a	Muscovite			Ankerita	Montmorillonite	Pahrmorek	Halloysit	Jarosite	Gypsum	

### Table A-9 Results of PIMA Spectometer Measurements (3/3)

SAMPLE	MINERAL_1	MINERAL_2	MINERAL_3	MINERAL_4	MINERAL_5	MINERAL_6	MINERAL_7	MINERAL_8	MINERAL_9	MINERAL_10
F002F_a	Jarosite	Palygorskite	Illite	Opal	Gypsum	Halloysit	[			
F003O_a	Illite	Halloysite	IntChoritete	Montmorillonite	Kaolinite			L		
F004O_a	Hite	Palygorskite	Gypsum	Biotite	Ankerite		I		ŀ	
F004O_b	Illite									
F005O_a			Illite	Jarosite	Halloysit	Illite	Muscovițe	Montmorillonite	Kaolinite	Pyrophill
F006O_a	IntChoritete	Halloysite	Muscovite	Jarosite	Illite					
F007O_a	Montmorillonite	Kaolinite	Palygorskite	Illite	Halloysit	Nontronit	IntChorite			
F008O_a	Illite		Muscovite	Opal	Gypsum					
F009O_a	Illite	Na_Alunite	Gypsum	Opal	Paragonit	Montmorillonite				
F010O_a			Illite							
F011S_a	Illite	Gypsum								
F0120_a	IntChoritete	Palygorskite	Kaolinite	Montmorillonite	Gypsum			]		
F014O_a	Montmorillonite	Paragonite	Illite	Gypsum						
F015O_a	Illite	K_Alunite								
F016O_a	Illite		I							
F018A_a	Na_Alunite									
F022X_a	IntCharitete	Palygorskite	Halloysite	Epidote						
F023X_a	Biotite	Ankerite	Halloysite	Gypsum						
F024X_a	Illite	IntChoritete	Muscovite	Ankerite						
F026A_a	Halloysite	Kaolinite	Montmorillonite							
F027A_a	Kaolinite	Halloysite	Na_Alunite	Illite						
F028S_a	l		Montmorillonite	Gypsum						

Table-10 List of Existing Data

Classification	Data
	(1) Geological Research and Development Centre, 1992, Geological Map of the Pacitan,
Maps	Quadrangle, Jawa. 1:100,000.
	(2) Geological Research and Development Centre, 1992, Geological Map of the
	Tulungagung Quadrangle, Jawa.1:100,000.
	(3) Geological Research and Development Centre, 1992, Geological Map of the Madiun
	Quadrangel, Jawa.1:100,000.  (4) Geological Research and Development Centre, 1992, Geological Map of the
	Probolinggo, Jawa.1:100,000.
	(5) Geological Research and Development Centre, 1992, Geological Map of the Kediri,
	Jawa.1:100,000.
	(6) Geological Research and Development Centre, 1992, Geological Map of the
	Surakarta-Giritonro Quadrangle, Jawa.1:100,000.  (7) Geological Research and Development Centre, 1992, Geological Map of the
	Lumajang Quadrangle, Jawa.1:100,000.
	(8) Geological Research and Development Centre, 1992, Geological Map of the Jember
•	Quadrangle, Jawa.1:100,000
	(9) Geological Research and Development Centre, 1992, Geological Map of the Malang
	Quadrangle, Jawa.1:100,000.
	(10) Geological Research and Development Centre, 1992, Geological Map of the Turen Quadrangle, Jawa. 1:100,000.
	(11) Geological Research and Development Centre, 1992, Geological Map of the Blitar
	Quadrangle, Jawa.1:100,000.
	(12) DMR, 1994, Metallic Minerals Distribution Map of East Java Province. 1:500,000.
	(13) Geological Research and Development Centre, 1998, Geological Map of Indonesia,
	Surabaya sheet. 1:1,000,000.
DMRI	(1) DMR, 2000, Review on the Geology and Mineralization in the Block A and B
Diviki	Prospects, Trenggalek District, East Java.
Data	(2) DMR, 2000, Resume of the Exploration Result Conducted by Third Party Covering
	-East Java, Indonesia (3) DMR, 1995/1996, Report on the Precious Metallic Mineral in Selogiri Area,
	Wonogiri Regency, Central Java Province, by Danny Z. Herman.
	(4) DMR, 1999/2000, Report on the Precious and Base Metal Exploration in the
	Nglanggreran-Baturangung and its Surrounding Area, Gunungkidul Regency,
	Yogyakarta, by Sahat Simanjuntak.
	(5) Report on the Reconnaissance Survey of Metallic Mineral In G. Bunkus-G.Gede, G.Gembes Area, Ponorogo Regency, East Java Regency, Ulkifli MD,2000.
	(6) DMR, 1993/19994, Report on the Cooperation Work of Base Metal Exploration in
	Pacitan- Ponorogo Regency, East Java, Phase III, by Tatto Sudharto.
	(7) Korea Mining Promotion Corporation, 19993, Report on the Joint Mineral
	Exploration in the Pacitan-Ponorogo Area, East Java, The Republic of Indonesia,
	Phase III. (8) PT. Everlastika Mitra, 1997, Work Program and Estimated Budgeting of Exploration
	KP No. KW96JLP009.
	(9) PT. Royal Indotama, 1997, Thirdly September-November, 1996 Report of KP.No.
	KW96JPL111 in Gunug Klitik Area, Malang Regency, East Java Province.
	(10) PT. Nomisantindo, 1997, Work Programme and Estimated Budget of Exploration
	KP. No. JLP112. (11) PT. Miracle, 1999, Final Report of KP. No. KW96AGP130, Pulung and Soko
	Subdistrict Ponorogo Regency, East Java Province.
	(12) Directrate of Mining Supervision, 1999, Report on the Reserve Evaluation Activity
	of Small Scale Gold Mining in Kebonsari Area, Punung Sub-district, Pacitan Regency,
	East Java Province.
	(12) Directrate of Mining Supervision, 1995, Feasibility Study of the Primary Gold

	Deposits in DU.312/Jateng Area of Kud.Selogiri.
Published	(1) Baski, A., Su, amgara, D.A., Sinambela, D., 1994, The Gunung Pongkor Gold Silver Deposit, West Java, Indonesia, J. of Geochemical Exploration, 50, p. 371-391.
Data	(2) Clode, C., Proffett, J., Mitchell, P. and Munajat, I., 1999, Relationships of Intrusion. Wall-Rock Alteration and Mineralisation in the Batu Hijau Copper-Gold Porphyry Deposit, PACRIM'99, p. 485-498.
	(3) Baeber, A.J. and Wiryoaujono (ed), 1979, The Geology and Tectonics of Eastern Indonesia. Proceedings of the CCOP-IOC SEATAR Working Group Meeting, Bandung, Indonesia, 415pp.

## Table A-11 Major Mineral Occurrences Based on the Existing Data (1/2)

No.	Location, Tenements, etc	Mineral	Longtitude (°	'")	Latitude (°	, "	) Mode of occurrence	Alteration	Host rock	Mineral	Resources, assay data	Previous work
1	Kawedanalan Tegalombo	Cu	111	10 40	7	59	30 quartz vein		dacite	hypothetic	<u> </u>	
2	K. Ngepoh, Kec. Tegalombo	Cu	111	12 5	8	3	5 quartz vein		dacite	hypothetic		
3	Petung Sinarang, Kec. Tegalombo	Cu	111	15 1	8	4	1 quartz vein	<del> </del>	andesite	hypothetic		
4	Brungkah, Kec. Ngadirejo, Kab. Pacitan	Pb	111	16 30	8	11	30 quartz vein	kaoline	andesite	hypothetic	14.5%Pb, 3.63%Cu, 16.7%Zn, 1.2g/tAu, 120g/tAg	
5	Kec. Tegalombo & Kec. Legok	Cu	111	17 20	8	2	40 quartz vein		dacite	hypothetic	1. Zg/ LAU, 1ZUg/ LAG	
6	Kashian, Kec. Tegalombo	Cu	111	18 1	8	5	15 quartz vein		dacite	measured	10, 000t@4-5%Cu, 25g/tAu	In 1910s 120tons of 15%Cu
7	PT. Andriat Trading Eng.	Au	111	18 2	8	9	5 vein		andsitic	incusur cu	5g/tAu, 41g/tAu in tunnel	25g/tAu ore were mined
· · · · ·	Kec. Tegalombo & Kec. Bandar, Kab.	Mn	111	19 0	7	55	45	-	breccia, tuff	measured	18, 315t@3%Mn	
9	Pacitan Kec. Tegalambo	Cu	111	19 10	8		11 quartz vein		dacite	hypothetic	10, 313163/mm	
10	Dawung Jemplo, G. Ngunel, Kledung & Bari, Kec. Tegalombo	Mn	111	19 16	+		so lens between limestne and	<u> </u>		hypothetic	58. 26%Mn	
11	Kali Pego. Kec. Tegalombo	Cu	111	22 10	8	2	yocanic rocks 30 Along the footwall of andesite	2	andesite	hypothetic		
$\vdash$	Kec. Slaung & Tegalombo	Min	111	22 10	+		dyke 40 lens between limestne and		andesite breccia	hypothetic		
			<del></del>				vocanic rocks		andonita bassai		lengh130m X width 1m,	
13	G. Domasan, Slaung Kec. Slung (Klumpit, Banyumuntah,	Cu	111	24 15	8	0	35 vein supergene enrichment at the		andesite breccia	measured	1 ton?@4-6%Cu	
14	G. Kembar, G. Palar, Soka, Cikuk Barat	Min	111	25 20	8	2	10 contact between limestone and			hypothetic	49-59%Mn	
15	Kerpu, Truning, Kec. Slaung	Zn	111	26 25	8	0	25	<del> </del>	<del>                                     </del>	hypothetic	6g/tAu, 2g/tAg, 1-2%Zn	<u> </u>
16	Tuking, Jimpas & Salak, Kec. Slaung	Cu	111	26 5	8	2	0 vein			hypothetic	Tuking: 1. 5cm width, 18%Cu Jimpas: 200cm width	
17	Sri Haryati/C. V. Asean Mining D. U. 592/Jatim, Kab Tulungagung	Min	111	57 1	8	10	6 irregular pockets in limestone			·	45, 000t47. 9%Mn	, , , , , , , , , , , , , , , , , , , ,
18	Kec. Panggul, Kab. Trengagalek	M∤n	111	27 33	8 8	12	15 lens between limestone and			hypothetic		
	K. Gondang, near teluk Panggul	AR	111	28 15	1	17	5 quartz vein	1	dacite	hypothetic		
	Ke. Panggul	Min Min	111		1	14	lens between limestone and		uacite			
20	ne. ranggui	MII	111	29 2	8	14	' tuff			hypothetic		
21	Blimbing, Kec. Pulung, Kab. Ponorogo	Mn	111	37 10	7	50	supergene enrichment at the 46 contact between limestone and tuff			hypothetic	59. 52%Mn	
22	K.Kidang, Ds. Besuki, Kec. Menjangan	Ag	111	35 12	? 8	15	40 quartz vein		dacite	hypothetic	6. 6g/tAg 7. 6g/tAg	
23	Pulungan, Kec. Ponorogo, Kab. Ponorogo	Си	111	38 40	7	56	25 quartz vein		dacite	hypothetic		
24	Pulungan, Kec. Ponorogo, Kab Ponorogo	Cu	111	41 40	7	54	50 quartz vein		dacite	hypothetic		
25	Karangan, Kec. Trenggalek	Mn	111	40 31	8	0	supergene enrichment at the 25 contact between limestone and tuff			hypothetic		
26	G.Paras lempung, Dandar & Belik	Mn	111	42 1	8	8	supergene enrichment at the Ocontact between limestone and			hypothetic	46-60%Mn	mined
27	Kec. Kampak (Benda) , Kab.	Mn	111	42 24	8	9	tuff 25 lens between limestone and			hypothetic		
<u> </u>	Trenggalek	19111		71 24	<u> </u>		supergene enrichment at the	-	-	II SPOCIIECTO		-
28	Ampelgading, south of Kab. Trengglek	Mn	111	43 11	8	15	30 contact between limestone and tuff			hypothetic	35. 68%Mn	
29	G. Kuncung, G.Gebang, G. Tumpak, Telor, Serut, Tumpak Gumawang, G. Prongos & Belik	Mn	111	46 1	8	6	supergene enrichment at the 32 contact between limestone and tuff				47-60%Mn	mined
30	Kec. Bandung, Kab. Trenggalek	Mn	111	46 30	8	7	supergene enrichment at the 50 contact between limestone and tuff			hypothetic		
31	Ny Mimik Sujatmi/C.V. Patra Galih D.U. 575/Jatim, 2,000ha, Trengglek & Tulungagung	Mn	111	48 24	8	14	32 contact between limestone and tuff					testpit:215t@84%MnO2
	Ds. Popoh & perigi, pantai, selatan/Turulungangu ng	Ti	111	49 52	8	14	10 mineral sand			indicated	1, 100t@42%Fe, 12. 5%Ti02	
33	Ds. Ngipik, Klumpit & Kemini, Kec. Campurdarat	Fe	111	54 31	8	11	5 laterite				20cm thickness	
34	Kec Sukorejo & Tenggong, Kab. Tulungagung	Mn	112	2 1	8	8	37 contact between limestone and tuff			indicated	Sukorejo:500t, 41.43%Mn Tenggong: 34.24%Mn	
35	Kp. Beji, Kec. Doho-Wlingi	Fe	112	6 1	8	11	42 manganese laterite	<del>                                     </del>	<del> </del>	hypothetic indicated	34t, 6,800m <sup>2</sup> ,4m thickness?	4 t mined, 800m <sup>2</sup>
			- 112			**	is principalities and interests	1		1.mu.cu.cu	1041, U. DOOM ; 4M THICKNESS:	17 L IIITHEO, OVOIII

## Table A-11 Major Mineral Occurrences Based on the Existing Data (2/2)

No.	Location, Tenements, etc	Mineral	Longtitude (°' ") L	atitude (°	'")	Mode of occurrence	Alteration	Host rock	Mineral	Resources, assay data	Previous work
36	Kec. Rejotangan, G. Cemenung	Mn	112 6 45	8	6 5	lens contact between limestone and andesite	1		<del>                                     </del>	2, 000t@65-70%Mn	TICTIOUS WOLK
	G. Jimbe, G. Puncukasam, Wingi	Mn	112 9 51	8	9 4	lens contact between limestone and tuff			measured	22,000t 5.6-6.4%Mn, 0.5m width X 1,000m length X 10m lthickness	
38	Sri Mulungsih DU 568/Jatim, 300ha	Fe	112 13 3	8	20	2 Iron sand (placer)		<u> </u>		0.5-1.5m thickness, 50-53%Fe	<del></del>
39	Kec. Tambakrejo & Kec. Wlingi	Mn	112 22 15	8	5 3	lens between limestone and andesite				2, 000t@65-70%Mn	
40	Desa Kalirejo, Kec. Donomulyo	Mn	112 50 40	8	17	lens between limestone and tuff				25, 445t079-90%Mn 42, 700t079-90%Mn	
B1	Selogiri		Kali Puru, Regency of Won	_		sp vein	silicification ardillization	andesitic tuff. microdiorite	indicated:		shallow drilling, test pitting & tunnelling
B2	G. Gebang		G.Gebang & G.Kuncung, Gan Tulung Agung Regency,East		-district	fracure filling, MnO2 with calcite quartz vein		limestone	measured	300 kt@16-77%	
В3	Kebonsari	Au	Kebonsari, Punung sub-dis	trict, Paci	tan Regenc	<u> With_cp, gn, sp</u>		dacite-andesite breccia			testpit, trench, 5 drilling 820m in total
B4	Putungsinarang & Brungkah	Au	Putungsinarang & Brungkah	, Pacitan F	Regency	quatz vein 1mm-15cm wide with py, sp. hematite	silicification propylitization	andsitic lava, breccia, tuff		Au<0. 01g/t	Rock sampling
B5	Kashian, Kec. Tegalombo	Au	(same area with No. 5)			Cu-Au pornhyry type	skarn & epithermal	andesite breccia			1991-1994 7 holes 1000m 1996-1998:5 holes 499m
B6	Gunung Mas	Au	Gunung Mas, Jatiroto subd	listrict, Wor	nogiri Reg	Heudiz Stockwork and Verns	silicification argillization	andesite-basalt	Possible resources		Tunnelling Drilling 9holes 492m in total
B7	Pulung	Au	Pulung and Soko subsisric	t Ponorogo	Regency		silicification argillization	andesite lava, tuff		4-2Eam mide 0 1-2 00~/+4	Trenching
B8	Malang (4km2)	Au	Regency of Malang				silicification argillization	andesite			Rock sampling (69pcs)
	Malang (19. 91km2)		Regency of Blitar and Mal			L	silicification	ryolite, tuff and limestone		pyrite breccia vein 1-5cm wide 0.18g/tAu	Rock sampling (215pcs)
RIO	G. Nyamil and G. Gede	Au	Lodaya subdistrict, Blita	r Regency		Sulfide mineralization		ryolite lava			Rock sampling (369pcs)
B11	Wonogiri-Jember	Au	Centra! Java-EastJava(10,	320km2)			silicification argillization	limestone, agglomerate, andesite			Bleg sampling . Stream sediments & Rock sampling

### Data A-12 Description of Rocks of the Survey Area

#### A02T Altered dacite (silicified)

The original rock is inferred to be dacite, and primary quartz phenocrysts (anhedral due to corrosion) are observed. Also small amount of medium-grained plagioclase phenocrysts are observed, but they are sericitized and not fresh. The whole rock is silicified and weakly sericitized. Matrix consists predominantly of anhedral mosaic quartz with small amount of sericite at the interstices. Pools of coarse-grained mosaic quartz and vein-type quartz are developed in some parts. Quartz phenocrysts are surrounded by secondary fine to minute quartz grains. Also small amount of chlorite and smectite are found.

#### A14T Altered andesite

This rock is weakly altered and the original rock is andesite and coarse to medium-grained, euhedral to subhedral plagioclase phenocrysts are conspicuous. Quartz phenocrysts are not observed and minute quartz grains are scattered in the matrix, which is considered to be the product of alteration. Parts of the plagioclase crystals have been decomposed to calcite and quartz. Chlorite is either product of decomposition of mafic minerals (hornblende?) or secondary product in matrix. Small amount of sericite replaces plagioclase or potash feldspar. Euhedral to subhedral primary opaque minerals are also notable. Saussuritization is prevalent and has become a kind of propylite.

### A17T Olivine-pyroxene basalt (?)

Euhedral to subhedral prismatic plagioclase occur as phenocrysts in this rock and it also contains small amount of olivine and clinopyroxene. The texture is, on the whole, porphyritic and flow texture of fine-grained long prismatic plagioclase is notable. Alteration is weak. Most of the olivine phenocrysts and clinopyroxene phenocrysts are altered to calcite, chlorite, and smectite. Glassy matrix has been devitrified and growth of smectite and other minerals is observed.

#### A23T Altered andesite basaltic tuff (?)

The rock is strongly chloritized, epidotized, sericitized, and silicified. The original texture is almost non-existent. Growth of Mg-chlorite and small amount of ghost plagioclase (coarse prisms) is observed, and the rock has tuffaceous appearance. The composition of the altered minerals (Kg-chlorite, epidote) is considered to be somewhat basic. Large amount of chlorite occurs as patches in the quartz (anhedral, medium to fine-grained mosaic) matrix. Epidote occurs closely with aggregates of anhedral fine-grained opaque minerals locally. It could possibly be a decomposition product of mafic mineral. Sericite also tends to occur locally in pools, and could be an alteration product of feldspars. (Neutral alteration?).

### A25T Altered dacite (propylitized)

Original rock is dacitic and porphyritic texture is noted. Many phenocrysts occur, mostly corroded coarse quartz, matrix has flow structure and consists of euhedral to subhedral plagioclase and fine-grained quartz, fine-grained prismatic plagioclase, and very minor amount of potash feldspars. Plagioclase is generally strongly altered and decomposed to albite, epidote · calcite, and quartz. The alteration is similar to typical propylitization. Also irregular pools and patches of calcite and epidote are observed.

#### A23T Silicified dacitic tuff (dacite)

Original rock is inferred to be dacitic tuff. Small amount of primary corroded quartz phenocrysts occur scattered, and the matrix consists of fine-grained quartz and fine-grained opaque minerals (some are coarse euhedral and inferred to be pyrite). Aggregates of fine-grained epidote are also observed. Quartz veins are also developed in some places. Quartz veins frequently contain opaque minerals (pyrite?) and vugs are formed in places.

#### A37T Altered basalt

Original rock is basalt with clear pilotaxitic texture and consists of euhedral to subhedral prismatic plagioclase phenocrysts, and the matrix consists mainly of fine-grained prismatic plagioclase, ortho and clinopyroxenes, and opaque minerals. Pockets of closely packed aggregates of opaque minerals and fine epidote are observed as well as medium-grained opaque minerals. Plagioclase phenocrysts are often altered and decomposed to quartz, epidote, chlorite and other minerals.

### A39T Weakly altered two-pyroxene andesite

This rock is two-pyroxene andesite with clear porphyritic texture, and cryptocrystalline matrix consisting of fine-grained prismatic plagioclase and quartz (?), weak flow structure is observed. Phenocrysts are either independent or glomeroporphyritic, consisting of euhedral to subhedral coarse-grained plagioclase. They are often altered internally to calcite and epidote. Orthopyroxene is a minor constituent, euhedral and prismatic, while clinopyroxene is subhedral and short prismatic, some have been weakly epidotized. Quartz veinlets are observed, and the matrix has been silicified. Opaque minerals are either medium-grained subhedral to anhedral closely associated with phenocrysts or many are fine-grained and anhedral in matrix.

#### A49T Amphibole-biotite andesite

This rock has clear porphyritic texture and phenocrysts consist mainly of euhedral to subhedral independent to glomeroporphyritic plagioclase and coarse-grained subhedral prismatic clinopyroxene closely associated with plagioclase. Plagioclase is weakly altered and relatively fresh, while the rims of clinopyroxene phenocrysts are chloritized and biotitized. Glassy inclusions occur frequently in plagioclase. Matrix is cryptocrystalline and consists of acicular plagioclase and ameba-shaped quartz. Opaque minerals consist of medium-grained anhedral material and minute grains in matrix.

### A57T Altered diorite

This is a holocrystalline-equigranular plutonic rock, consisting mainly of subhedral prismatic plagioclase, prismatic clinopyroxene and amphibole, and anhedral opaque minerals. Mafic minerals are generally chloritized, and as many clinopyroxene crystals are relatively fresh, the altered minerals are very possibly amphiboles. Zoning of plagioclase is weak and they are homogeneous. Amphiboles consist of hornblende and also actinolite, which may be an alteration product.

#### A63T Altered diorite

This is a holocrystalline-equigranular plutonic rock similar to A57T, but slightly coarser grained. It consists mainly of subhedral prismatic plagioclase, short prismatic clinopyroxene and actinolitic amphibole, and anhedral granular opaque minerals. The rims of clinopyroxene grains is notably chloritized and growth of amphibole in the core of clinopyroxene is not uncommon.

Clinopyroxene tends to contain many fine-grained opaque minerals.

It is believed, from microscopic observation, that the water vapor pressure tended to decline during solidification of magma, and mafic minerals (particularly clinopyroxene) were chloritized by subsequent hydrothermal activity.

### A67T Aphyric andesite adacite

Texture of this rock is aphyric and the rock consists mainly of fine prismatic plagioclase with small amounts of quartz patches and fine opaque minerals filling the interstices. It shows weak flow structure, and small amount of Fe-chlorite is observed. Notable mafic minerals are not observed and chlorite could be an alteration product of glass. Although locally, occurrence of epidote is also observed, and this is possibly a decomposition product of mafic minerals.

### A109T Amygdaloidal basalt

The texture of this rock is porous amygdaloidal and some subhedral plagioclase phenocrysts occur with many amygdales filled by various minerals. Matrix is mainly cryptocrystalline with minute grains of prismatic plagioclase and parts are glassy. Amygdales are filled by various combination of minerals: ① chlorite, ② chlorite (crust) – quartz (euhedral, core), ③ quartz (euhedral) – zeolite (?), ④ quartz (euhedral) – calcite – chlorite (crust), ⑤ calcite, ⑥ calcite – quartz (euhedral), ⑦ zeolite – quartz, ⑧ zeolite, ⑨ quartz – chlorite – zeolite, and others.

Plagioclase phenocrysts are partly sericitized.

### A115T Altered two-pyroxene (?) andesite

This is andesitic lava with porphyritic and intergranular texture. Phenocrysts consist of coarse-grained euhedral to subhedral plagioclase (strong zoning, many glassy inclusions, some glomeroporphyritic) and strongly chloritized and amphibolitized probably two (?) pyroxenes. Matrix consists of granular to prismatic and subhedral to anhedral crystals of plagioclase and quartz, with some opaque minerals (euhedral to anhedral). Plagioclase phenocrysts are partly calcitized and mafic minerals are also partly decomposed to calcite and opaque minerals.

### B02T Pyroxene andesite

This rock is porphyritic to intergranular with phenocrysts of euhedral to subhedral plagioclase and clinopyroxene. These minerals are all strongly zoned and some are fragmented. Matrix consists mainly of prismatic euhedral to subhedral plagioclase, granular clinopyroxene, and anhedral opaque minerals with chlorite and smectite-like minerals in interstices, which are considered to possibly be product of devitrification. Flow structure is not notable. The rock is generally weakly altered with major change being devitrification.

### B03T Dacitic weakly welded tuff

Welded texture is observed microscopically and flow structure is seen clearly throughout. Main constituents are; quartz fragments, plagioclase (subhedral to anhedral) fragments, float fragments, and tuff fragments are seen. Alteration is somewhat in advanced stage, and devitrification (growth of chlorite, smectite) is observed, but volcanic glass is also abundant.

#### B04T Pyroxene andesite

Lithofacies is similar to B02T with porphyritic • intergranular texture, and phenocrysts consist of euhedral to subhedral plagioclase and clinopyroxene. Plagioclase is strongly zoned and some of the pyroxene have hourglass structure. Matrix consists of prismatic plagioclase and granular clinopyroxene with intersertal opaque minerals. Also many chlorite – smectite minerals considered to be devitrification product of volcanic glass are observed.

#### B05T Tuffaceous sandstone • mudstone

This is a clastic rock occurring at the boundary of tuffaceous sandstone and mudstone. Sandstone is composed of clastic quartz fragments and plagioclase • potash feldspar and altered biotite-like mineral and glassy to clayey matrix, while mudstone consists of similar material with silt-size grains. Some calcite is observed in the matrix and parts are decomposition product of plagioclase. Also small amounts of illite, smectite, and chlorite occur as authigenic minerals.

#### B08T Altered andesite

This is andesitic lava with porphyritic and pilotaxitic texture. Phenocrysts consist of strongly altered euhedral to subhedral plagioclase and clinopyroxene (?), and strong flow structure of minute plagioclase grains occur in the matrix. Plagioclase phenocrysts are generally strongly altered and decomposed to calcite, quartz, and smectite and clinopyroxene (?) decomposed to chlorite, smectite, opaque minerals, and epidote. Alteration of the matrix is not as strong as the phenocrysts, but smectitization, chloritization, carbonatization (calcite) is observed.

### B09T Graywacke

This is a poorly-sorted graywacke-type sandstone. Constituent detrital minerals are; quartz, plagioclase, clinopyroxene, opaque minerals, altered (chloritized, smectitized) mafic minerals (?). Some smectite and illite occur in the matrix. Many detrital grains show clastic form, but some plagioclase and pyroxene are euhedral to subhedral crystals.

#### B14T Altered amphibole (?) andesite adacite

This rock is essentially similar to B14T with porphyritic, intergranular texture, phenocrysts consist of euhedral to subhedral and independent or glomerophyric plagioclase and coarse (coarser than B14T) altered amphibole (chloritized and decomposed to opaque minerals), and quartz are minute grains. Plagioclase alteration is weaker than B14T and is partly sericitized, smectitized and alteration is very weak in matrix.

### B17T Altered andesite

This rock contains less mafic minerals (amphiboles?) than B14T and B15T, but it is considered to be essentially similar. Phenocrysts consists of euhedral to subhedral plagioclase (zoning notable) and relict phenocrysts of small amount of mafic minerals, while the matrix consists of cryptocrystalline quartz, plagioclase, and opaque minerals. Matrix is altered to some extent, but alteration is weak.

### B20T Altered andesite

This rock is strongly altered and the original minerals are difficult to identify. Phenocrysts are considered, from their form, to be euhedral to subhedral plagioclase and mafic (clinopyroxene?) minerals occurring independently or glomerophyrically. Matrix is composed of minute grains of plagioclase and quartz. Plagioclase phenocrysts have decomposed to calcite, epidote, sericite,

smectite, and quartz, and mafic minerals to chlorite, epidote, calcite, opaque minerals, and plagioclase. Matrix has been altered and quartz, smectite, chlorite, and opaque minerals are observed.

### B22T Altered porphyrite (?)

This rock has holocrystalline porphyrite texture, and is considered to be an intrusive rock with prismatic plagioclase and mosaic texture. Mafic minerals could not be confirmed. Opaque minerals and altered minerals (chlorite, smectite and others) fill the interstices. Plagioclase is dusty and calcitization, epidotization, and sericitization is noted. Calcite and epidote veinlets are developed.

#### B24T Sericitized – silicified dacite (?)

Original rock is believed to be dacitic, but it is strongly sericitized and silicified and the original texture is not discernible. It is, on the whole, aphyric and spots of subhedral to anhedral fine crystals of quartz and plagioclase are observed with minute grains of similar minerals fill the interstices. Sericite in some cases forms pools and show glomerophyric texture, but also it occurs as alteration product of plagioclase. Opaque minerals (pyrite) are disseminated in euhedral to subhedral form and are considered to be hydrothermal products.

#### B25T Dacite

This rock has porphyritic texture and microcrystalline matrix. Phenocrysts are composed of coarse-grained corroded anhedral quartz and euhedral to subhedral plagioclase and potash feldspar. In matrix, granular quartz is conspicuous with some prismatic euhedral to subhedral plagioclase. Distinct mafic minerals are not observed, but chlorite concentration occurs in glomerophyric parts of plagioclase and this may be alteration product of mafic minerals. Alteration is, on the whole, weak, and some plagioclase is partly altered to smectite and calcite, and potash feldspar to sericite. Opaque minerals occur in small amounts in the matrix as euhedral to subhedral grains.

### C02T Pyroxene andesite

This rock is porphyritic with weak pilotaxitic texture. Phenocrysts are mostly euhedral to subhedral granular plagioclase occurring independently or in glomerophyric manner, also small amount of subhedral phenocrysts of clinopyroxene is observed. Weak flow structure of prismatic to acicular plagioclase is observed in the matrix, with intersertal minute opaque minerals. Medium to coarse-grained euhedral to subhedral opaque minerals occur scattered in the matrix. Plagioclase phenocrysts are altered to carbonates and sericite and in some cases to epidote. Clinopyroxene is almost all unaltered. Pockets, spots, and veins of calcite are observed in the matrix.

### C15T Weakly altered andesite (?)

Thin section was made from a sample near the boundary of pyroxene andesite and andesite, and the former could be a xenolith within andesite. The pyroxene andesite has conspicuous phenocrysts of plagioclase and clinopyroxene, and some plagioclase is strongly altered to calcite, quartz, smectite, and zeolite (?). Alteration of pyroxene is not very strong, but chlorite is formed at the periphery. In the matrix, secondary chlorite – smectite forms oolitic structure.

The andesite is composed of euhedral to subhedral prismatic plagioclase (weakly altered) and

minute amount of clinopyroxene phenocrysts, and of matrix consisting of cryptocrystalline plagic lase and quartz. Pools of calcite is formed locally in the matrix.

### C16T Altered andesite (propylite)

This rock has holocrystalline and weak porphyritic texture. It is, on the whole, coarse grained and appears to be of intrusive origin. It is composed mainly of coarse plagioclase and mafic minerals are almost all altered. Plagioclase is also notably albitized. The rock is strongly altered and large amount of chlorite fills the interstices of plagioclase (albite) grains. Mafic minerals are altered to epidote, chlorite and opaque minerals. Small amount of quartz patches occur in the matrix. Calcite also occurs as a secondary mineral.

#### C23T Altered augite andesite

This rock is holocrystalline and porphyritic, and consists of euhedral to subhedral plagioclase and subhedral clinopyroxene phenocrysts, and cryptocrystalline (devitrification?) matrix containing fine-grained prismatic plagioclase. Alteration is strong particularly around clinopyroxene and along cracks and joints where chlorite, prehnite, and opaque minerals occur, also feldspars (?) partly alter to chlorite, sericite, epidote and other minerals.

### C25T Altered andesitic tuff breccia

This rock largely has porphyritic texture, and subhedral to glomerophyric plagioclase is observed. Matrix is hyalopilitic to cryptocrystalline. Plagioclase phenocrysts are strongly altered and are generally decomposed to calcite, quartz, and epidote (?). The rock is not homogeneous and basaltic andesite (?) fragments are often seen, and these appear to be tuff breccia. Many of the rock fragments are accidental and varies in kind, such as dacitic, andesitic, and basaltic.

#### C26T Silicified - carbonatized altered rock

This rock is very strongly altered by silicification and carbonatization, and it is almost impossible to identify the original rock. Prismatic texture of the original mineral can barely be observed, but whether it was amphibole or plagioclase is not clear. These are replaced by opaque minerals and chalcedonic quartz.

#### C28T Altered andesite

Porphyritic texture is prevalent in this rock and phenocrysts are mostly plagioclase. Matrix is hyalocrystalline to glassy, but strong alteration makes determination difficult. The matrix is strongly devitrified. The phenocryst plagioclase is notably altered to epidote, prehnite, and quartz, while the matrix is characteristically chloritized and devitrified-silicified (cryptocrystalline). Also small amounts of secondary calcite and opaque minerals are observed.

### D10T Altered dacite

In this rock, euhedral to subhedral plagioclase forms porphyritic texture and the matrix is devitrified and microcrystalline consisting of prismatic plagioclase aggregates. Pools to ameba-form chalcedonic quartz aggregates occur scattered in the matrix. Mafic minerals are strongly chloritized and the original minerals are not clear but may be biotite.

### D11T Microcrystalline amygdaloidal basalt

This rock is basaltic lava with hyalopilitic texture with very minor amount of minute euhedral

plagioclase, and glassy matrix has clear flow structure. Alteration is weak and although the rock is fresh, spherical pores are filled mainly by chalcedonic quartz and calcite (quartz crystallized first). Chalcedonic quartz and smectite veinlets are developed frequently.

#### D12T Tuffaceous (?) mudstone ~ siltstone

This is clastic rock consisting of quartz, plagioclase, epidote, opaque minerals, and other minute clastic grains. It is non-bedded mudstone without notable structure. The origin of the clastic material could be tuffaceous, but is uncertain.

#### D16T Porphyrite quartz porphyry intrusive rock

This rock is holocrystalline and equigranular with intrusive to plutonic lithofacies. It consists mainly of mosaic plagioclase with patches of quartz and potash feldspars filling the interstices. Many of the feldspars are altered to sericite, calcite, and chlorite. Mafic minerals are not observed, and some of the chlorite, calcite and opaque minerals could have been altered from mafic minerals.

### D25T Altered pyroxene andesite basaltic andesite

In this rock, porphyritic texture consisting of euhedral to subhedral plagioclase and small amount of subhedral clinopyroxene are clearly observed and the matrix has hyalopilitic to intergranular texture consisting of euhedral plagioclase, granular opaque minerals, clinopyroxene, and altered glass (?). Plagioclase phenocrysts are strongly altered and has become smectite or calcite completely or at the core. Clinopyroxene is also altered to chlorite or smectite. In the matrix, plagioclase is generally weakly altered, and the glass is strongly smectitized.

#### D27T Altered andesite

This rock has porphyritic texture consisting of euhedral to subhedral plagioclase occurring independently or with glomerophyric texture and the matrix has hyalopilitic texture consisting of minute acicular plagioclase and glass (?). Alteration is characterized mainly by smectite, quartz, and calcite at the core of plagioclase, but albitization is also notable, and cleavage and cracks of plagioclase has become dusty indicating the progress of alteration. Mafic minerals have almost completely become smectite and chlorite and the original mineral with biotite-like appearance cannot be identified accurately. Coarse-grained opaque minerals are either closely related to phenocrysts or occur independently.

### D28T Porphyrite ~ dolerite

The rock has holocrystalline porphyritic texture and the phenocrysts are coarse euhedral to subhedral plagioclase and subhedral mafic minerals, and the matrix has intersertal texture consisting of medium-grained subhedral plagioclase and anhedral granular clinopyroxene and opaque minerals. Alteration is strong and calcite, quartz, epidote, albite are observed as alteration product of plagioclase phenocrysts, while epidote and chlorite are those of the mafic minerals (clinopyroxene?). Secondary epidote and calcite are the secondary minerals in the matrix.

### D30T Fine-grained granodiorite

The rock is holocrystalline and equigranular, and has hypabyssal to plutonic texture. The major rock-forming minerals are subhedral to anhedral plagioclase, quartz, small amount of potash

feldspar, and subhedral hornblende. Alteration is not very strong, but some amphibole grains are chloritized, and plagioclase and potash feldspars have become dusty. Secondary prehnite and epidote occur in the interstices of plagioclase. Opaque minerals are generally anhedral and occur associated with plagioclase and other minerals.

#### D33T Altered rhyolitic tuff breccia

The pebbles of this breccia vary significantly such as; quartz fragments, dacitic volcanic breccia, dacitic tuff, and welded tuff fragments. It is strongly carbonatized. Secondary euhedral to subhedral and granular epidote is observed. Part of the feldspars have been kaolinitized.

#### E22T Altered dacitic tuff

This rock consists of clastic material such as; quartz, plagioclase, chert, quartzite, and dolerite (?) fragments. As a whole it is tuffaceous and is altered. Alteration products are characterized by sericite, smectite, and silicified minerals. Chlorite is also found. Alteration occurred in the matrix and has the appearance of welded structure, but the alteration is believed to be hydrothermal activity.

#### E23T Silicified dacitic tuff

The original rock is dacitic tuff and it consists of fragments of quartz, plagioclase, chert, quartzite, and siliceous matrix. Plagioclase has been altered to albite and partly sericitized and smectitized. The matrix is characterized by strong silicification and network sericitization.

#### E29T Amphibole andesite (opacitized)

This rock consists of euhedral to subhedral medium-grained plagioclase and amphibole phenocrysts, and hyalocrystalline matrix composed of cryptocrystalline plagioclase, anhedral opaque minerals and glass. Phenocryst plagioclase is strongly zoned and many are fragmented. Phenocryst amphiboles have opacite rim, indicating strong oxidation with clear opacite structure. Phenocryst plagioclase also is partly altered to smectite.

#### F06T Altered basalt

The original rock is inferred to be hyalopilitic basalt, but it is strongly silicified, chloritized, and smectitized. Lathfeldsapar constituting the matrix of the original rock is relatively unaltered, but the interstitial glass (?) has been altered to quartz, chlorite, and smectite and these minerals occur intersertally. What appears to be the original phenocryst plagioclase has been completely sericitized and silicified to opaque minerals, smectite (?), and other minerals. Also pools (amygdales?) and quartz veins are developed indicating hydrothermal activity.

### F16T Altered (sericite - kaolinite - silicified) tuff

The original rock is believed to be basaltic ~ andesitic tuff, and rock fragments indicating hyalopilitic texture are abundantly observed. It is strongly altered by hydrothermal activity, and spots of quartz grains have been formed, matrix and feldspars are strongly sericitized and silicified. Amygdales of basaltic (?) fragments are filled by kaolinite (?) - sericite and other alteration minerals.

#### F25T Altered pyroxene andesite

This rock is composed of subhedral coarse-grained plagioclase and medium-grained

clinopyroxene phenocrysts which occur as independent grains or in glomerophyric aggregates, and cryptocrystalline and intergranular fine-grained plagioclase, anhedral clinopyroxene, and opaque minerals. Chlorite, carbonate (calcite) alteration is notable along the cleavages and cracks of phenocryst plagioclase, and weak chloritization is observed in clinopyroxene. Patches and veins of calcite occur in the matrix.

## Data A-13 Description of Polished Sections (1/25)

Rock name:	Pyrite-chalcopyrite	stockwork ore		
Observation:		bearing breccias with dis	seminated pyrite.	
	·	<del>-</del>	• •	
Microscopic descript	ion			
Texture:	*			
L				
Ore minerals:				
mineral	form	size	amount (%)	description
Pyrite	euhedral ~ subhedral	20~800 μ	~20%	Breccia(pyrite disseminated).
, ,	Guivedral - Scomedial	20 000 µ	(breccia?)	brocos (pyrite disseriminated).
	coarse-grained,			
	anhedral	1 ~ 2mm ø	~10%	Coexisting with chalcopyrite.
			(stockwork)	
Chalcopyrite	anhedral, dotted,	0.2~5mm	~20%	Coarse-grained, main ore mineral in stockwork
, , , , , , , , , , , , , , , , , , , ,	elongated, ellipsoidal			part . Secondary Cu minerals occur at the rim
	grains			part of chalcopyrite.
	1			
				<u></u>
secondary minerals:				
mineral	form	size	amount (%)	description
C113	ah all—ahan a	10~-20 //		
Covelline	shell-shape	10~20 μ	~1%	At the rim of chalcopyrite (secondary).
				_
	l			
Sample No :	A27P			
Sample No.: Rock name:	A27P Pyrite – chalcopyrite	e ore with oxidized iron m	ninerals.	
		e ore with oxidized iron m	ninerals.	
Rock name:			ninerals.	
Rock name:			inerals.	
Rock name: Observation:	Pyrite — chalcopyrite		ninerals.	
Rock name: Observation: Microscopic descripti	Pyrite — chalcopyrite		inerals.	
Rock name:	Pyrite — chalcopyrite		ninerals.	
Rock name: Observation: Microscopic descripti	Pyrite — chalcopyrite		inerals.	
Rock name: Observation:  Microscopic descripti Texture:	Pyrite — chalcopyrite		inerals.	
Rock name: Observation:  Microscopic descripti Texture:	Pyrite — chalcopyrite		inerals.	
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Pyrite — chalcopyrition  disseminated			
Rock name: Observation:  Microscopic descripti Texture:	Pyrite — chalcopyrite		amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Pyrite — chalcopyrition  disseminated		amount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Pyrite — chalcopyrition  disseminated	size		description Secondary minerals occuring in the surroundings and cracks.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition on disseminated  form subhedral ~anhedral grain	size ~800 μ	amount (%) ~2%	Secondary minerals occurring in the surroundings and cracks.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrite on disseminated  form subhedral ~anhedral grain	size	amount (%)	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occurring in the surroundings and cracks.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition on disseminated  form subhedral ~anhedral grain	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral Pyrite  Chalcopyrite  secondary minerals:	Pyrite—chalcopyrition  disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular	size ~800 µ 0.2~1.5mm	amount (%) ~2% ~5%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite	Pyrite—chalcopyrition  disseminated  form  subhedral	size ~800 μ	amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite Chalcopyrite secondary minerals:	Pyrite—chalcopyrition on disseminated  form subhedral ~anhedral, dotted ~elongated, ellipsoidal, irregular	size ~800 µ 0.2~1.5mm	amount (%) ~2% ~5%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral Pyrite  Chalcopyrite  secondary minerals:  mineral Hematite	Pyrite—chalcopyrition  disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf-shaped,	size ~800 µ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description.  Altered mineral of pyrite.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite Chalcopyrite secondary minerals:	Pyrite—chalcopyrition on disseminated  form subhedral ~anhedral, dotted ~elongated, ellipsoidal, irregular	size ~800 μ 0.2~1.5mm	amount (%) ~2% ~5%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite  secondary minerals:  mineral  Hematite Limonite  Covelline	Pyrite—chalcopyrition  disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf—shaped, ~veinlets shelf—shaped,	size ~800 µ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description.  Altered mineral of pyrite.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite Chalcopyrite  secondary minerals: mineral Hematite Limonite	Pyrite—chalcopyrition on disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf-shaped, ~veinlets	size ~800 μ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2% ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description  Altered mineral of pyrite.
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite  secondary minerals:  mineral  Hematite Limonite  Covelline	pyrite—chalcopyrition disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf—shaped, ~veinlets shelf—shaped,	size ~800 μ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2% ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description  Altered mineral of pyrite.
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite  secondary minerals:  mineral  Hematite Limonite  Covelline	pyrite—chalcopyrition disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf—shaped, ~veinlets shelf—shaped,	size ~800 μ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2% ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description  Altered mineral of pyrite.
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite  secondary minerals:  mineral  Hematite Limonite  Covelline	pyrite—chalcopyrition disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf—shaped, ~veinlets shelf—shaped,	size ~800 μ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2% ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description  Altered mineral of pyrite.
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite  secondary minerals:  mineral  Hematite Limonite  Covelline	pyrite—chalcopyrition disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf—shaped, ~veinlets shelf—shaped,	size ~800 μ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2% ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description  Altered mineral of pyrite.
Rock name: Observation:  Microscopic descripti Texture:  Ore minerals:  mineral  Pyrite  Chalcopyrite  secondary minerals:  mineral  Hematite Limonite  Covelline	pyrite—chalcopyrition disseminated  form subhedral ~anhedral grain anhedral, dotted ~elongated, ellipsoidal, irregular  form shelf—shaped, ~veinlets shelf—shaped,	size ~800 μ 0.2~1.5mm	amount (%) ~2% ~5% amount (%) ~2% ~2%	Secondary minerals occuring in the surroundings and cracks.  Secondary minerals occur in the surroundings and cracks. (covelline)  description  Altered mineral of pyrite.

# Data A-13 Description of Polished Sections (2/25)

Sample No.:	A30P			
Rock name:	Pyrite bearing quartz	vein.		
Observation:				
				:
			•	
Microscopic descrip	tion	·····		
Texture:	disseminated			
		·		
Ore minerals:				.—
mineral	form	size	amount (%)	description
Pyrite	subhedral	20~1000 μ	~1%	Disseminated, isolated
	~anhedral, grain			
Chalcopyrite	anhedrai	~50 µ	~0.1%	Disseminated, very minor amount, isolated
Опаксоруппо		""		
1				
		1	1	
	1	L	L	<u> </u>
secondary minerals:	not altered			
mineral	form	size	amount (%)	description
mineral	- torm	3120	aniousic (70)	description
			1	,
				·
				I .
	1			<u> </u>
			*	
				l
Sample No.:	A51P	ore (with iron oxides, que	rtz vein).	
Sample No.: Rock name: Observation:	A51P Disseminated pyrite	ore (with iron oxides, que	rtz vein).	
Rock name:	A51P Disseminated pyrite	ore (with iron oxides, qua	tz vein).	
Rock name:	A51P Disseminated pyrite	ore (with iron oxides, que	tz vein).	
Rock name: Observation:	Disseminated pyrite	ore (with iron oxides, que	tz vein).	
Rock name: Observation:  Microscopic descrip	Disseminated pyrite	ore (with iron oxides, qua	tz vein).	
Rock name: Observation:	Disseminated pyrite	ore (with iron oxides, que	rtz vein).	
Rock name: Observation:  Microscopic descrip	Disseminated pyrite	ore (with iron oxides, que	rtz vein).	
Rock name: Observation:  Microscopic descrip	Disseminated pyrite	ore (with iron oxides, qua	rtz vein).	
Rock name: Observation: Microscopic descrip Texture:	Disseminated pyrite  stion  disseminated			
Rock name: Observation: Microscopic descrip Texture:	Disseminated pyrite	ore (with iron oxides, qua	rtz vein).	description
Rock name: Observation: Microscopic descrip Texture: Ore minerals:	Disseminated pyrite  stion  disseminated			
Rock name: Observation: Microscopic descrip Texture: Ore minerals:	Disseminated pyrite	size 100 μ ~ 1mm φ		description  Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals:	Disseminated pyrite	size	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals:	Disseminated pyrite	size 100 μ ~ 1mm φ	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral Pyrite Chalcopyrite	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%)	Partly or completely altered into limonite and hematite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral Pyrite Chalcopyrite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular	size 100 μ ~ 1mm φ (Av. 200~300 μ) 10~20 μ	amount (%) ~10% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral Pyrite Chalcopyrite	Disseminated pyrite	size 100 μ ~ 1 mm φ (Av. 200 ~ 300 μ)	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size 100 μ ~ 1mm φ (Av. 200~300 μ) 10~20 μ	amount (%) ~10% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals:	Disseminated pyrite  stion disseminated  form  euhedal ~ subhedral dotted irregular	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.
Rock name: Observation: Microscopic descrip Texture: Ore minerals: mineral  Pyrite Chalcopyrite  secondary minerals: mineral Limonite	Disseminated pyrite  stion disseminated  form euhedal ~ subhedral dotted irregular  form	size  100 μ ~ 1mm φ (Av. 200~300 μ)  10~20 μ	amount (%) ~1% ~1%	Partly or completely altered into limonite and hematite.  occurs within pyrite or at the rim of pyrite.

## Data A-13 Description of Polished Sections (3/25)

	A/2P			
Rock name:	Barren quartz vein cut	tted by pyrite disseminal	ted quarz vein	
Observation:				
	<u> </u>			
Microscopic descripti				
Texture:	pyrite disseminated			
Ore minerals:				
mineral	form	size	amount (%)	description
Pyrite	euhedral	50 μ ~ 1mm φ	10~15N	Later stage quartz vein (white)
	~subhedral, tabular		(in pyrite-quartz vein)	
	[	l		
secondary minerals:				
mineral	form	size	amount (%)	description
Limonite	shell-shaped			Occurs at the rim of pyrite or along the cracks
Hematite	vein			(secondary).
		<b>j</b>		
	L			
Sample No.:	A75P			
Rock name:	Pyrite disseminated bre	occia rock (fragment part	of quartz vein ?)	
Observation:	mostly brecciated			
Microscopic descripti	on			
Texture:	pyrite: disseminated			
Ore minerals:				
mineral	form	size	amount (%)	description
mineral	form	Size	amount (%)	description
mineral Pyrite	form	size 50~500 μ	amount (%)	Pyrite: brecciated (secondary).
	euhedal			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
	euhedai ~subhedrai,			Pyrite: brecciated (secondary). (product of brecciation?)
	euhedai ~subhedrai,			Pyrite: brecciated (secondary).
Pyrite `	euhedai ~subhedrai,			Pyrite: brecciated (secondary). (product of brecciation?)
	euhedai ~subhedrai,			Pyrite: brecciated (secondary). (product of brecciation?)
Pyrite .	euhedal ~ subhedral, prismatic	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?)
Pyrite `	euhedai ~subhedrai,			Pyrite: brecciated (secondary). (product of brecciation?)
Pyrite .	euhedal ~ subhedral, prismatic form	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Pyrite secondary minerals:	euhedal ~ subhedral, prismatic	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?)
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description
Secondary minerals:	euhedal	50~500 μ	5~10%	Pyrite: brecciated (secondary). (product of brecciation?) description

## Data A-13 Description of Polished Sections (4/25)

	A82P			
Rock name: Observation:	Pyrite disseminated	I, silicified decitic rock.		
Observation.				
		,		
Microscopic descript				
Texture:	disseminated			
İ				
Ore minerals:				
l				
mineral	form	size	amount (%)	description
Pyrite	subhedral~euhedral	~800 μ φ	~3%	Disseminated ore in silicified rock (dacitic?)
	_			
	skelton crystal			Skelton crystal: (secondary)
secondary minerals:		1	<b></b>	
mineral	form	size	amount (%)	description
Limonite	irregular	10~20 μ	<1%	Secondary products of pyite.
Hematite	shell-shaped	_ ,		
<u> </u>				
•	•			
L	<u> </u>	<u> </u>	L	
Sample No.:	A83P			
Rock name:	Pyrite - sphalerite or	6		
Observation:				
Microscopic descript	ion			
Texture:				
Ore minerals:				
mineral	form	size	amount (%)	description
	form	size 200 µ ~ 1.5mm	amount (%)	description  Occurs in the core part of sphalerite or included
mineral				
mineral	euhedal ~subhedral	200 μ ~ 1.5mm		Occurs in the core part of sphalerite or included in sphalerite.
mineral Pyrite Marcasite	euhedal ~subhedral subhedral or irregular	200 μ ~ 1.5mm 50~100 μ	15~20%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite
mineral Pyrite	euhedal ~subhedral	200 μ ~ 1.5mm	15~20%	Occurs in the core part of sphalerite or included in sphalerite.
mineral Pyrite Marcasite Sphalerite	euhedal ~subhedral subhedral or irregular grained, anhedral	200 μ ~ 1.5mm 50~100 μ 1~2mm	15~20% ~3% 20~30%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric
mineral Pyrite Marcasite	euhedal ~subhedral subhedral or irregular	200 μ ~ 1.5mm 50~100 μ	15~20%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.
mineral Pyrite Marcasite Sphalerite	euhedal ~subhedral subhedral or irregular grained, anhedral	200 μ ~ 1.5mm 50~100 μ 1~2mm	15~20% ~3% 20~30%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric
mineral Pyrite Marcasite Sphalerite	euhedal ~subhedral subhedral or irregular grained, anhedral	200 μ ~ 1.5mm 50~100 μ 1~2mm	15~20% ~3% 20~30%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric
mineral Pyrite Marcasite Sphalerite	euhedal ~subhedral subhedral or irregular grained, anhedral	200 μ ~ 1.5mm 50~100 μ 1~2mm	15~20% ~3% 20~30%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric
Pyrite  Marcasite  Sphalerite  Chalcopyrite	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm	15~20% ~3% 20~30%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric
mineral Pyrite Marcasite Sphalerite	euhedal ~subhedral subhedral or irregular grained, anhedral	200 μ ~ 1.5mm 50~100 μ 1~2mm	15~20% ~3% 20~30%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric
Pyrite  Marcasite  Sphalerite  Chalcopyrite	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm	15~20% ~3% 20~30%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.
mineral Pyrite Marcasite Sphalerite Chalcopyrite secondary minerals:	euhedal ~subhedral subhedral or irregular grained, anhedral dotted	200 μ ~ 1.5mm 50~100 μ 1~2mm 5~10 μ	15~20% ~3% 20~30% ~1%	Occurs in the core part of sphalerite or included in sphalerite.  Included in pyrite or associated with pyrite Chalcopyrite dots bearing.  Included in sphalerite as diseases, concentric circular or linear.

## Data A-13 Description of Polished Sections (5/25)

Sample No.:				
Rock name:	A87P	ninated ore (in quartz vein	with imp oxides	
Observation:	Charcopyrite dissen	minuted ore (iii quarte veni	WILLI II OIT OXIGES.	
Microscopic descript	ion			
Texture:				
Toxtare.	disseminated ore, go	ossan		
Ore minerals:				
mineral	form	size	amount (%)	description
Chalcopyrite	anhedral,	~500 µ	~2%	Altered at the rim part
Опшсоруппо	grain shape	000 µ	"	Govelline and other Cu secondary minerals
	and Shape			occur.
Pyrite	euhedral	30~400 μ	~1%	Partly or completely altered to limonite or
	~subhedral,			hematite.
	grain shape			
		1		
		ľ	l	
	1			
		<u> </u>		<u> </u>
secondary minerals:				
mineral	form	size	amount (%)	description
		1		
Limonite	pseudomorphic	10~100 µ	~1%	Secondary(?)
Hematite	shell- shaped	1		(weathered)
		1		
Covelline	shell-shaped	10∼50 μ	~1%	Secondary (?)
Cu — mineral			İ	(weathered)
Çu — minerai		1		
		1		
				,
		1		
		ŀ	1	
			<u> </u>	
Sample No.:	A92P		1 (0)	
Rock_name: Observation:	Pyrite disseminati	ed in silicified propylitic ro	GK (?)	
Observation.				
Missassis description				
Microscopic descripti				
Microscopic descripti Texture:	on disseminated			
Texture:				
Texture: Ore minerals:	disseminated			
Texture:		size	amount (%)	description
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated	size 50 μ ~ 1mm	smount (%) ~10%	description Disseminated in silicified rock (?)
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Texture: Ore minerals:	disseminated			
Ore minerals:  mineral  Pyrite	form euhedral			
Ore minerals:  mineral  Pyrite	disseminated			
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~1mm	~10%	Disseminated in silicified rock (?)
Ore minerals:  mineral  Pyrite	form euhedral			
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form euhedral	50 μ ~ 1mm	~10%	Disseminated in silicified rock (?)

## Data A-13 Description of Polished Sections (6/25)

Cample Mc				
Sample No.:	A93P		(2)	
Rock name:	Disseminated pyrite in	altered pyroclastic rock	. (?)	
Observation:				
Microscopic descript				
Texture:	disseminated			
Ore minerals:				
				<u> </u>
mineral	form	size	amount (%)	description
Pyrite	euhedral	10~300 μ	~5%	Fine pyrite:euhedal, coarse grained pyrite:
. ,	~anhedral gains	(max 600 $\mu$ )		anhedral
	1			
		i		
		İ		
	<u> </u>			<u> </u>
secondary minerals:	no alteration			
mineral	form	size	amount (%)	description
minoral	10-111	\$120	annount (70)	GOSCI PCION
	1			
	]			
	<u>.</u>			<u> </u>
Sample No.:	A94P	<del> </del>		
Rock name:	Pyrite-quartz ore			
Observation:				•
Microscopic descript	ion			
	ion disseminated~glomer	roporphyritic		
		roporphyritic		
Texture:		roporphyritic		
		roporphyritic		
Microscopic descript Texture: Ore minerals: mineral		roporphyritic	emount (%)	description
Texture: Ore minerals: mineral	disseminated~glomer	SiZ0 .		
Texture: Ore minerals:	disseminated~glomer		emount (%) ~20%	Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	disseminated~glomer	SiZ0 .		
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture:  Ore minerals:  mineral  Pyrite	form subhedralsubhedral coarsegrained	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture: Ore minerals: mineral	form subhedral	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture: Ore minerals: mineral Pyrite	form subhedralsubhedral coarsegrained	SiZ0 .		Coarse-grained,glomeroporphyritic.
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals
Texture:  Ore minerals:  mineral  Pyrite  secondary minerals:	form subhedral coarse-grained	size 100 μ ∼1mm	~20%	Coarse-grained.glomeroporphyritic. Subhedral crystals

## Data A-13 Description of Polished Sections (7/25)

Sample No.:	A95P			
Rock name: Observation:	Pyrite disseminated s	ilicified altered rock cutte	d by pyrite bearing quai	rtz vein .
Microscopic descript				
Texture:	banded quartz vein in	disseminated (altered ) h	nost rodk	
Ore minerals:				
mineral	form	size	amount (%)	description
(Host rock) Pyrite	euhedral~subhedral	20~500 μ (Average 100 μ)	10~20%	Disseminated.
(Quartz vein)	(medium grain size)			
Pyrite	anhedral, coarse-grained	50~1.5m (Average 500 μ)	20~30%	Vein, banded.
	Source grantes	(Average 300 µ)	·	,
secondary minerals:	no alteration	L	L .	
mineral	form	size	amount (%)	description
nunci di	10111	Size	amount (70)	description
Sample No.: Rock name:	A96P			
Observation:	r ynte van in pyrte o	isseminated silicified all	isited rock.	
Microscopic descripti	ion			
Texture:	host rock : pyrite di vein : pyrite vein	sseminated		
Ore minerals:				
mineral	form	size	amount (%)	description
(Host rock) Pyrite	euhedral~subhedral, grained	10~100 μ (Average 50 μ)	~10%	Derived from dissemination and silicification.
(Vein) Pyrite	anhedal, coarse grained	20~400 μ (Average 300 μ)	80~90%	Mainly mono-mineral vein Gangue: small amount of quartz (?)
secondary minerals:	not altered	<u> </u>		
		<b>_</b> :	amount (%)	
mineral	form	size	amount (%)	description

## Data A-13 Description of Polished Sections (8/25)

Sample No.:	A99P			
Rock name: Observation:	rynte disseminated	whitish silicified altered re	ock.	
OUSELABRIOU!				
Microscopic descripti				
Texture:	disseminated			
				ì
Ore minerals:	<u></u>			
mineral	form	size	amount (%)	description
Pyrite	euhedrai	50~300 μ	~10%	disseminated
		,		
secondary minerals:				
mineral	form	size	amount (%)	description
Limonite	anhedal,	5~20 μ	<1%	Irregular dotted
Hematite	elongated tablar	ψ - ε <b>υ</b> μ	110	Secondary minerals of pyrite or mafic mineral ?
	grained			
				İ
	!	1		
	<u> </u>			
Sample No.: Rock name:	A100P			
Observation:	Quartz vein contain b	erren to minor emount of p	yrite (gossan).	
Observation:				
1				
Microscopic descript	ion			
Texture:			-	
Ore minerals:				
	1	<b>2</b> :2-	amount (%)	description
mineral	form	size	amount (70)	description
Pyrite	euhedral	~100 µ	<1%	Only one grain in barren quartz.
	1	1		
	1	1		
Į.	1			
l .				
				_
				·
secondary minerals				
secondary minerals:				
secondary minerals:	form	şiz <del>o</del>	amount (%)	description
	shell-shaped	size 10~50 μ	amount (%)	description Pseudmorphs of pyrite, in cavities.
mineral				,
mineral Limonite	shell-shaped			,
mineral Limonite	shell-shaped			,
mineral Limonite	shell-shaped			,
mineral Limonite	shell-shaped			,
mineral Limonite	shell-shaped			_
mineral Limonite	shell-shaped			_

## Data A-13 Description of Polished Sections (9/25)

Sample No.:	A102P	1.4 . 2 2		
Rock name:	tlectrum, Ag-mineral,	chalcopyrite pyrite bear	ng quartz vein.	
Observation:				
Microscopic descripti Texture:	on disseminated or semi-	hended		
TEXLUTE.	dissummated or some	05.1000		
Phenocryst:			•	
mineral	form	size	amount(%)	description
			·	
Chalcopyrite	anhedral, grained	100 μ ~3mm	~20%	Chalcopyrite: very common (same as
	irregular	(Av.1~2mm)		chalcopyrite- quartz vein). Mainly pyrite contain in chalcopyrite.
				manny pyrito contain in oracopyrito.
Elretrum	irregular grained	10~100 μ	<1%	Close to Ag minerals.
Ag-mineral (?)		5 × 20 μ (max)	< 0.1%	Contained in electrum.
Ag-mineral (:)	bar-shape or irregular	3 ~ 20 μ (max)	V0.174	Concerned in Steed on.
	optically isotropic			
		FO. 200		
Agminerals (Pyrargyrite,	irregular grained acicular	50~200 μ	<1%	Close to electrum. (pearceite: acicular)
pearceite?)			4	(page action action)
	<u> </u>	•		
secondary minerals:	not altered			
mineral	form	size	amount (%)	description
				,
			•	
			i	
Sample No.:	A103P			
Rock name:	Iron gossanized quart:			about a visa
	Iron gossanized quart:	z vein red but, conspicuous sulfid	e is not observed by n	aked eyes.
Rock name:	Iron gossanized quart:		e is not observed by n	sked eyes.
Rock name: Observation:	Iron gossanized quart: Iron oxides are observ		e is not observed by n	aked eyes.
Rock name: Observation: Microscopic descripti	Iron gossanized quart: Iron oxides are observing		e is not observed by n	eked eyes.
Rock name: Observation:	Iron gossanized quart: Iron oxides are observ		le is not observed by n	aked eyes.
Rock name: Observation:  Microscopic descripti Texture:	Iron gossanized quart: Iron oxides are observing		le is not observed by n	aked eyes.
Rock name: Observation:  Microscopic descripti Texture:	Iron gossanized quart: Iron oxides are observing		e is not observed by n	sked eyes.
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti	Iron gossanized quart: Iron oxides are observing		is is not observed by n	description
Rock name: Observation:  Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation:  Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Iron gossanized quart. Iron oxides are observation oxides are observation on form	red but, conspicuous sulfid		
Rock name: Observation:  Microscopic descripti Texture: Phenocryst:	Iron gossanized quart. Iron oxides are observing on vein	red but, conspicuous sulfid		
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Iron gossanized quart. Iron oxides are observation on vein form	size	amount (%)	description
Rock name: Observation:  Microscopic descripti Texture:  Phanocryst:  mineral  secondary minerals:  mineral	Iron gossanized quart Iron oxides are observation on vein form  Not altered	size	amount (%)	description
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  secondary minerals:	Iron gossanized quart Iron oxides are observation on vein  form  Not altered  form  shell- shaped	size	amount (%)	description  description  Pyrite :psudomorphic; secondary occurring along
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral secondary minerals: mineral	Iron gossanized quart Iron oxides are observable on vein form  Not altered form shell- shaped fissure filling	size	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral secondary minerals: mineral	Iron gossanized quart Iron oxides are observation on vein  form  Not altered  form  shell- shaped	size	amount (%)	description  description  Pyrite :psudomorphic; secondary occurring along
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral secondary minerals: mineral	Iron gossanized quart Iron oxides are observable on vein form  Not altered form shell- shaped fissure filling	size	amount (%)	description  description  Pyrite :psudomorphic; secondary occurring along
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  secondary minerals:  mineral  Limomite	Iron gossanized quart Iron oxides are observable on vein form  Not altered form shell— shaped fissure filling (pseudomorphic)	size	amount (%)  amount (%)  ~5%	description  description  Pyrite :psudomorphic; secondary occurring along
Rock name: Observation:  Microscopic descripti Texture: Phenocryst: mineral secondary minerals: mineral Limomite	Iron gossanized quart Iron oxides are observable on vein form  Not altered form shell— shaped fissure filling (pseudomorphic)	size	amount (%)  amount (%)  ~5%	description  description  Pyrite :psudomorphic; secondary occurring along
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  secondary minerals:  mineral  Limomite	Iron gossanized quart Iron oxides are observable on vein form  Not altered form shell— shaped fissure filling (pseudomorphic)	size	amount (%)  amount (%)  ~5%	description  description  Pyrite :psudomorphic; secondary occurring along
Rock name: Observation:  Microscopic descripti Texture: Phenocryst: mineral secondary minerals: mineral Limomite	Iron gossanized quart Iron oxides are observable on vein form  Not altered form shell— shaped fissure filling (pseudomorphic)	size	amount (%)  amount (%)  ~5%	description  description  Pyrite :psudomorphic; secondary occurring along
Rock name: Observation:  Microscopic descripti Texture: Phenocryst: mineral secondary minerals: mineral Limomite	Iron gossanized quart Iron oxides are observable on vein form  Not altered form shell— shaped fissure filling (pseudomorphic)	size	amount (%)  amount (%)  ~5%	description  description  Pyrite :psudomorphic; secondary occurring along

## Data A-13 Description of Polished Sections (10/25)

Sample No.:	A111P			<del></del>
Rock name:	Quartz vein with iron	oxides		
Observation:				
				•
Microscopic descript		1.0 2	/1 ·· \	
Texture:	Danued, or dissemina	ted limonite and hematite	(secondary).	
Phenocryst:				
mineral	form	size	amount (%)	description
			, ,	
•	1			
				•
secondary minerals:	Not altered	1	L	
		<u> </u>	,	
mineral	form	size	smount (%)	description
Limomite	anhedral~ouhodral	5~50 μ (max)	5~10%	Pseudomorphic texture of pyite, secondarily
	grains			altered .
Hematite	(pseudomorphic) shell shaped			(iron oxdized , mostly weathered) Crack filling
Hemaute	~ colioform			O'BEK TOMING
		j		
		ļ		
		1		
Sample No.:	A112P			
Rock name:	A112P Barren quartz			
Rock name:				
Rock name: Observation:	Barren quartz			
Rock name: Observation:  Microscopic descript	Berren quartz	ain of pyrite, barren		
Rock name: Observation:	Barren quartz	ain of pyrite, barren		
Rock name: Observation: Microscopic descript Texture:	Berren quartz	ain of pyrite, barren		
Rock name: Observation:  Microscopic descript	Berren quartz	ain of pyrite, barren		
Rock name: Observation: Microscopic descript Texture:	Berren quartz	ain of pyrite, barren sizo	amount (%)	description
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst:	Barren quartz  ion  only one small fine gra		amount (%).	description Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral	Barren quartz  ion  only one small fine gr	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite	ion only one small fine gr. form subhedral	sizo		
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered
Rock name: Observation: Microscopic descript Texture: Phenocryst: mineral Pyrite secondary minerals:	ion only one small fine gra form subhedral	size ~10 μ	<0.1%	Weak pyritization , not weathered

## Data A-13 Description of Polished Sections (11/25)

Sample No.:				
Rock name:	A113P Quartz vein with iron	ovides		
Observation:	stockwork ~veinlets	OAIGUS.		
Microscopic descripti	ion			
Texture:	fissure filling, vein, co	lloform, radial texture		
Ore minerals:				· · · · · · · · · · · · · · · · · · ·
	1 (		I /a/\	
mineral	form	size	amount (%)	description
Pyrite	euhedral ~ subhedral	~100 µ	<1%	In cavities, several grains
secondary minerals:				
mina	r 6=		amount (%)	deseriesi
mineral	form	size	amount (70)	description
Limonite	anhedal, shell− shaped colloform	10∼50 μ minor grain : μ size	~10%	Fissure filling , pseudomorphic pyrite remain.  In cavities with colloform or shell shaped.
	Control III			broavious wer consistent or and anapole.
Hematite	radial (acicular)	vein:~10 μ φ		Veinlets or aggregation shape ofminute grains.
	<u> </u>	l.		······································
Sample No.:	A117P	·		
Rock name:	Non altered or weak a	Itered decite.		
Observation:				
Microscopic descripti	on			· · · · · · · · · · · · · · · · · · ·
Texture:	volcanic texture disseminated magnetite	scattered		
	-			
Ore minerals:				
Ore minerals:	form	size	amount (%)	description
mineral	form	size		
			amount (%) ~1%	description Primary mineral. Not altered.
mineral	form	size		Primary mineral.
mineral	form	size		Primary mineral.
mineral	form	size		Primary mineral.
mineral	form	size		Primary mineral.
mineral Magnetite	form anhedal, grained	size ~100 μ φ	~18	Primary mineral. Not altered.
mineral Magnetite	form	size		Primary mineral.

## Data A-13 Description of Polished Sections (12/25)

Sample No.:	A121P			
Rock name:	Pyrite-quartz vein i	n silicified decite.		
Observation:				
				•
Microscopic descripti Texture:	vein			
rexture.	YGIII			
Ore minerals:				
			72.15	
mineral	form	size	amount (%)	description
Pyrite	coarse-grained	200 μ ~ 2.5mm	~20%	Pyrite-quartz vein in dacitic silicified rock.
Fyrice	euhedral~subhedral		(in quartz vein)	Grain of pyrite; partly brecciated.
	vein	(,	( <b>4</b> 00.	
				į
				· · · · · · · · · · · · · · · · · · ·
				'
	<u> </u>			
secondary minerals:	not altered			
ļ, ,		r	7621	T
mineral	form	size .	amount (%)	description
	İ			
ļ				
=	11005			···
Sample No.:	A123P	ivan avidas		
Rock name:	A123P Pyrite-quartz vein with	iron oxides		
		iron oxides		101-5
Rock name:		n iron oxides		
Rock name: Observation:	Pyrite-quartz vein with	i iron oxides		
Rock name: Observation:  Microscopic descripti	Pyrite-quartz vein with	i iron oxides		
Rock name: Observation:	Pyrite-quartz vein with	n iron oxides		
Rock name: Observation:  Microscopic descripti	Pyrite-quartz vein with	n iron oxides		
Rock name: Observation: Microscopic descript: Texture:	Pyrite-quartz vein with	iron oxides		
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Pyrite-quartz vein with			
Rock name: Observation: Microscopic descript: Texture:	Pyrite-quartz vein with	n iron oxides	amount (%)	description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated	size		
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm	amount (%) ~5%	Quartz vein with disseminated pyrite.
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated	size		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral Pyrite secondary minerals:	on disseminated  form  euhadral~subhadral  coarse—grained	size 200 μ ~ 2.5mm (max)	~5%	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral Pyrite	Pyrite-quartz vein with on disseminated  form euhedral~subhedral	size 200 µ ~ 2.5mm		Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	on disseminated  form euhodral~subhedral coarse~grained	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral Pyrite secondary minerals:	on disseminated  form  euhadral~subhadral  coarse—grained	size 200 μ ~ 2.5mm (max)	~5%	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	on disseminated  form euhedral~subhedral coarse—grained	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Limomite	on disseminated  form euhedral~subhedral coarse~grained  form shell shaped colloform	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Limomite	on disseminated  form euhedral~subhedral coarse~grained  form shell shaped colloform	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Limomite	on disseminated  form euhedral~subhedral coarse~grained  form shell shaped colloform	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Limomite	on disseminated  form euhedral~subhedral coarse~grained  form shell shaped colloform	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Limomite	on disseminated  form euhedral~subhedral coarse~grained  form shell shaped colloform	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Limomite	on disseminated  form euhedral~subhedral coarse~grained  form shell shaped colloform	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Limomite	on disseminated  form euhedral~subhedral coarse~grained  form shell shaped colloform	size  200 μ ~ 2.5mm (mex)	~5% amount (%)	Quartz vein with disseminated pyrite. The rim of coarse grained pyrite or fine grained pyrite is completly altered to hematite or limonite.  description

## Data A-13 Description of Polished Sections (13/25)

Sample No.:	A124P			
Rock name:		tted by Pyrite - chalcopy	rite (sobalerite) contain	quartz vein
Observation:	quartz vein		me (epinelione) content	den er von.
0000.70007.	4			
Microscopic descript	ion			
Texture:	disseminated or coars	e grained dots		
		-		
Ore minerals:				
mineral	form	size	amount (%)	description
	ŀ	İ	ļ	
Pyrite	euhedrel~subhedral	200 μ ~3mm	~20%	Medium grain : glomeroporphyritic,
	medium to coarse-	(max)		coarse grain: as single crystal.
	grained	l		
Chelcopyrite	irrogular	200 μ ~1.5mm	5~10%	associated with pyrite.
	anhedral, grained			· ·
				<b>.</b>
Sphalerite	anhedral, grained	20∼50 μ	<18	Contained in pyrite with irregular shape of fine
	1			grained chalcopyrite.
	l		•	
	İ			
	,			
	I		L	I
secondary minerals:				
mineral	form	size	amount (%)	dannésia.
mineral	TOTAL	212.0	amount (70)	description
Covelline	aboll- aboond	10~50 μ	<1%	Once of the size of their courts
Covelline	shell- shaped	10~30 μ	< 13°	Occurs at the rim of chalcopyrite.
				(secondary products : derived from weathering)
Limonite	shell-shaped	10~-20.4	<1%	Canadan, minumi of music
Hematite	stockwork	10~30 µ	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Secondary mineral of pyrite,
riomaute	SLOCKWORK			
i				
				İ
				·
Sample No.:	B01P			
Sample No.: Rock name:	B01P breccis-like quartz ve	in		
	breccis-like quartz ve	in te host rock contains silici	fied braccia).	
Rock name:	breccis-like quartz ve		fied breccia).	
Rock name:	breccis-like quartz ve		fied breccia).	
Rock name:	breccis-like quartz ve		fied breccia).	
Rock name:	breccis-like quartz ve breccis-like quartz (tł		fied braccia).	
Rock name: Observation:	breccis-like quartz ve breccis-like quartz (tł	e host rock contains silici	ified braccia).	
Rock name: Observation: Microscopic descripti	breccia-like quartz ve breccia-like quartz (th on	e host rock contains silici	ified braccia).	
Rock name: Observation: Microscopic descripti	breccia-like quartz ve breccia-like quartz (th on	e host rock contains silici	ified braccia).	
Rock name: Observation: Microscopic descripti	breccia-like quartz ve breccia-like quartz (th on	e host rock contains silici	ified breccia).	
Rock name: Observation: Microscopic descript: Texture:	breccis-like quartz ve breccis-like quartz (th ion conteins small amount	e host rock contains silici		
Rock name: Observation: Microscopic descript: Texture:	breccia-like quartz ve breccia-like quartz (th on	e host rock contains silici	ified braccia).	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	breccis-like quartz ve breccis-like quartz (th ion conteins small amount	ne host rock contains silici	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	breccis-like quartz ve breccis-like quartz (the on contains small amount form irregular, brecciated	e host rock contains silici		description  Brecciated texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (th on contains small amount	ne host rock contains silici	amount (%)	
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount form irregular, brecciated	ne host rock contains silici	amount (%)	
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation:  Microscopic descript: Texture:  Ore minerals: mineral  Pyrite	breccis-like quartz ve breccis-like quartz (the on contains small amount contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descript: Texture: Ore minerals: mineral	breccis-like quartz ve breccia-like quartz (the contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation:  Microscopic descript: Texture:  Ore minerals: mineral  Pyrite	breccis-like quartz ve breccia-like quartz (the contains small amount form irregular, brecciated partly subhedral	e host rock contains silici t of brecciated pyrite.  size  800 μ φ (max)	amount (%) ~ 1%	Breccisted texture.
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	breccis-like quartz ve breccis-like quartz (tri breccis-like quartz (tri on contains small amount form irregular, brecciated partty subhedral euhedral	size  800 μ φ (max)	amount (%) ~1% ~0.1%	Breccisted texture.  Disseminated

## Data A-13 Description of Polished Sections (14/25)

Sample No.:	B06P			
Rock name:	Barren guratz with iron	oxides		
Observation:		eddish brown to yellowish	brown in color.	
Microscopic descrip				· · · · · · · · · · · · · · · · · · ·
Texture:	Mainly altered into limo	nite and hematite in cavit	ies or cracks.	
Phenocryst:				
mineral	form	size	amount (%)	description
Pyrite	ouhedral ~ subhedral	~30 µ	~0.1%	Occurs in cavities.
secondary minerals:	fissure filling or perce	late in cavities and cracks		
and a small		r	I	
mineral Limonite Hematite	irregular colloform partly aggregation of minutes grain	size 1 ~ 150 μ	amount (%) ~1%	description Secondary product (weathered) pyrite
Sample No.:	B10P			
Rock name: Observation:	Quartz veins with ver Sulfide disseminate	y fine grained disseminate d quart vein.	d pyrite—chalcopyrite	
Microscopic descript				
Texture:	disseminated			
Phenocryst:				
mineral	form	size	amount (%)	description
Pyrite	suhedral~subhedral	10~200 μ (Av.50 μ)	~3%	Irregularly disseminated. Locally very fine quartz aggregation.
Chalcopyrite	irrogular	~100 µ	~0.1%	Not associated with other sulfides
secondary minerals:	Not altered	<del></del>	<u> </u>	<del></del>
mineral	form	size	amount (%)	description
THE POT OF	- INTITI	ori.CT	minodit \ 79)	used 9001
i	I	l		

## Data A-13 Description of Polished Sections (15/25)

Sample No.:	B20P			
Rock name:	Coarsegrained pyrite	ore		
Observation:	Pyrite: brecciated			
Minuspenial descript	:		<del></del>	
Microscopic descript Texture:	autobreccia like, coar	se grained		· · · · · · · · · · · · · · · · · · ·
TOXEGIO.				
Phenocryst:				
			. (84)	
mineral	form	size	amount (%)	description
Pyrite	irregular	max 5~7mm	~80%	Aggregated grains
1 1110	~subhedral	"""	_ ~·	Aggregated grains, coarse-grained.
	aggregated grains			GOLING BIOLINGS.
				1
•				
	not altered	l	1	L
secondary minerals:	HOL BILDIAG			•
mineral	form	size	amount (%)	description
			,	
				i e
				,
	Į.			
				L
Sample No.:	B21P			
Rock name:	Gray quartz vein with	pyrite dissemination.		
Rock name:	Gray quartz vein with	pyrite dissemination, contains abundant quartz	pyrite veinlets.	
Rock name:	Gray quartz vein with	pyrite dissemination. contains abundant quartz	pyrite veinlets.	
Rock name:	Gray quartz vein with	pyrite dissemination. contains abundant quartz	pyrite veinlets.	
Rock_name: Observation:	Gray quartz vein with Finely brecciated and	pyrite dissernination. contains abundant quartz	pyrite veinlets.	
Rock name: Observation: Microscopic descripti	Gray quartz vein with Finely brecciated and	pyrite dissemination. contains abundant quartz	pyrite veinlets.	
Rock name: Observation: Microscopic descripti	Gray quartz voin with Finely brecciated and on	pyrite dissemination. contains abundant quartz	pyrite veinlets.	
Rock name: Observation:  Microscopic descripti Texture:	Gray quartz vein with Finely brecciated and on disseminated	pyrite dissemination. contains abundent quartz	pyrite veinlets.	
Rock name: Observation:  Microscopic descripti Texture:	Gray quartz voin with Finely brecciated and on	pyrite dissemination. contains abundant quartz	pyrite veinlets.	
Rock name: Observation:  Microscopic descripti Texture: Phenocryst:	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz		description
Rock name: Observation:  Microscopic descripti Texture:	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	description
Rock name: Observation:  Microscopic descripti Texture: Phenocryst:	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz		description  Disseminated, very fine grain; euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite	Gray quartz vein with Finely brecciated and on disseminated  form euhedal ~ irregular	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
	Gray quartz vein with Finely brecciated and on disseminated	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3%	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite	Gray quartz vein with Finely brecciated and on disseminated  form euhedal ~ irregular	contains abundant quartz	amount (%)	Disseminated, very fine grain: euhedal, dominant.
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3%	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3%	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3%	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3%	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3%	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3%	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3% amount (%)	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3% amount (%)	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3% amount (%)	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular
Rock name: Observation:  Microscopic descripti Texture:  Phenocryst:  mineral  Pyrite  secondary minerals:	Gray quartz vein with Finely brecciated and on disseminated	size 10~300 μ	amount (%) ~3% amount (%)	Disseminated, very fine grain: euhedal, dominant. medium grain: subhedral ~ irregular

## Data A-13 Description of Polished Sections (16/25)

Sample No.:	B23P			
Rock name:	Whitish quartz vein with	nyrite dissemination		
Observation:	Mostly part: with crack	S	<del></del>	
		-		
Microscopic descript	on disseminated			
Texture:	u:350mmat00			
Ore minerals:				
	· · · · · · · · · · · · · · · · · · ·			·
mineral	form	gi <u>ze</u>	amount (%)	description
Pyrite	euhedal~irregular	30~400 μ	~3%	Euhedral grains :abundant
•		(Av.200 μ )		
				Mostly coarse grained.
Chalcopyrite	irregular,	100∼150 µ	~0.1%	Not associated with other sulfides.
Chalcopyrite	elongated ellipsoidal	100130 д	0.17	THOU ASSOCIATION WITH OCION SUMBON.
	0.00.000			8
1				
	<u> </u>			
secondary minerals:	not altered			•
mineral	form	size	amount (%)	description
minerar	TOITI	Size	amount (70)	description
1	[			
				<u> </u>
Sample No.:	B24P			
Rock name:	Brecciated quartz with	h iron gooxides	on oxide 2) developed	
	Brecciated quartz with	h iron gooxides k of secondary mineral (ir	on oxide ?) developed.	
Rock name:	Brecciated quartz with	h iron gooxides k of secondary mineral (ir	on oxide ?) developed.	
Rock name: Observation:	Breccisted quartz with Breccis and stockwork	h iron gooxides k of secondary mineral (ir	on oxide ?) developed.	
Rock name: Observation: Microscopic descript	Breccisted quartz with Breccis and stockwork	k of secondary mineral (ir	on oxide ?) developed.	
Rock name: Observation:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissur	k of secondary mineral (ir	on oxide ?) developed.	
Rock name: Observation: Microscopic descript	Breccisted quartz with Breccis and stockwork	k of secondary mineral (ir	on oxide ?) developed.	
Rock name: Observation: Microscopic descript	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissur	k of secondary mineral (ir	on oxide ?) developed.	
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		
Rock name: Observation: Microscopic descript Texture:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissur	k of secondary mineral (ir	on oxide ?) developed.	description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript: Texture: Ore minerals:	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral	Brecoisted quartz with Brecois and stockwork on network, veinlet, fissur Primary sulfide are no form	re filling t observed.	amount (%)	·
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral	Breccisted quartz with Breccis and stockwork ion network, veinlet, fissu Primary sulfide are no	k of secondary mineral (ir re filling t observed.		description
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral	Brecoisted quartz with Brecois and stockwork on network, veinlet, fissur Primary sulfide are no form	re filling t observed.	amount (%)	description
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral	Brecoisted quartz with Brecois and stockwork stockwork network, veinlet, fissur Primary sulfide are no form	re filling t observed.	amount (%)	·
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral	Brecoisted quartz with Brecois and stockwork on network, veinlet, fissus Primary sulfide are no form	re filling t observed.	amount (%)	description
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral Hematite	Brecoisted quartz with Brecois and stockwork brecois and stockwork on network, veinlet, fissure form  form  form  network veinlet fissure filling	re filling t observed.	amount (%)  amount (%)  ~10%	description Secondary products.
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral	Brecoisted quartz with Brecois and stockwork Brecois and stockwork Brecois and stockwork Brecois and B	re filling t observed.	amount (%)	description
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral Hematite	Brecoisted quartz with Brecois and stockwork brecois and stockwork on network, veinlet, fissure form  form  form  network veinlet fissure filling	re filling t observed.	amount (%)  amount (%)  ~10%	description Secondary products.
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral Hematite	Brecoisted quartz with Brecois and stockwork Brecois and stockwork Brecois and stockwork Brecois and B	re filling t observed.	amount (%)  amount (%)  ~10%	description Secondary products.
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral Hematite	Brecoisted quartz with Brecois and stockwork Brecois and stockwork Brecois and stockwork Brecois and B	re filling t observed.	amount (%)  amount (%)  ~10%	description Secondary products.
Rock name: Observation: Microscopic descript Texture: Ore minerals: mineral secondary minerals: mineral Hematite	Brecoisted quartz with Brecois and stockwork Brecois and stockwork Brecois and stockwork Brecois and B	re filling t observed.	amount (%)  amount (%)  ~10%	description Secondary products.

## Data A-13 Description of Polished Sections (17/25)

Sample No.:	C27P			
Rock name:		with pyrite and chalcopyri	te.	·
Observation:	INtensely brecciated (3	~ommφav.)		
Microscopic descripti Texture:	on brecciated, disseminate	d		
Texture.	Di Cociettos, dissolimisto	•		
Ore minerals:				İ
mineral	form	size	amount (%)	description
		_		
Pyrite	irregular ~subhedral	~3mm	5~7%	Brecciated.
	- Submoural			
Chalcopyrite	irregular	0.5~1mm	~2%	Brecciated.
				i
			•	
secondary minerals:	not altered			
mineral	form .	size	amount (%)	description
				•
				l
<u> </u>				
Sample No.	C29P			
Rock name:		owish brown banded quart	z vein with pyrite diesi	emination (iron oxidized).
		owish brown banded quart	z vein with pyrite diese	emination (iron oxidized).
Rock name:		owish brown banded quart	z vein with pyrite disso	emination (iron oxidized).
Rock name: Observation:	Reddish brown to yello	owish brown banded quart	z vein with pyrite disse	emination (iron oxidized).
Rock name: Observation: Microscopic descripti	Reddish brown to yello			emination (iron oxidized).
Rock name: Observation:	Reddish brown to yello	owish brown banded quart		emination (iron oxidized).
Rock name: Observation: Microscopic descripti Texture:	Reddish brown to yello			emination (iron oxidizad).
Rock name: Observation: Microscopic descripti	Reddish brown to yello			emination (iron oxidizad).
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Reddish brown to yello on pyrite disseminated, :	secondarily altered (hema		emination (iron oxidized).  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals:	Reddish brown to yello on pyrite disseminated, :	secondarily altered (hema	titized—limonitized)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated,	secondarily altered (hema size	titized—limonitized) smount (%)	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite	on pyrite disseminated, form euhedal~irregular	secondarily altered (hema size ~1.5mm	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral	on pyrite disseminated, form euhedal~irregular	secondarily altered (hema size	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite	on pyrite disseminated, form euhedal~irregular	secondarily altered (hema size ~1.5mm	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals:	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic	secondarily altered (hema size ~1.5mm	amount (%)  ~1%	description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Hematite	on pyrite disserninated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic shell-shaped	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Hematite	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic shell—shaped fissure filing	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Hematite	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic shell—shaped fissure filing	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Hematite	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic shell—shaped fissure filing	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Hematite	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic shell—shaped fissure filing	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description
Rock name: Observation: Microscopic descripti Texture: Ore minerals: mineral Pyrite secondary minerals: mineral Hematite	on pyrite disserminated,  form euhedal ~ irregular  Occurs at the rim of py form pseudomorphic shell—shaped fissure filing	secondarily altered (hema size ~1.5mm	amount (%)  ~1%  d to hematite or limonit  amount (%)	description  description  description

## Data A-13 Description of Polished Sections (18/25)

		· · · · · · · · · · · · · · · · · · ·		
Sample No.:	D01P			
Rock_name:		te — sphalerite — chalcopyri		n gossan)
Observation:	yellowish brown to gr	syish brown, banded (wea	(ly) quartz vein.	
1				
ļ				
Microscopic descript	ion			
Texture:	disseminated		•	
			<del></del>	
Ore minerals:				
	· ·		. /8/\	1 22
mineral	form	size	smount (%)	description
0	l euhedral∼subhedral	10~200 µ	~2%	Disseminated, closely associated with sphalerite.
Pyrite	euriedrai~subnedrai	10-200 #	24	Disseminated, Gosely associated with spinalerite.
•	irregular	Į.		
Marcasite	aggregated grain	50~100 μ	~0.5%	Aggregated grains, associated with pyrite and
	anhedral	1 00 1002	0.04	sphalerite.
				apriaronto.
Sphalerite	irregular	max 1×3mm	~5%	Frequently contain minute grained chalcopyrite.
		ł		
Chalcopyrite	irregular grains	10~200 μ	~1%	Occurs in sphalerite as minute grains
1	vein	1		
		i		
		1		
	<u> </u>	<u> </u>		
secondary minerals:	vein type or shell shep	e covelline: secondary occ	ured at rim part or crac	ks of sphaleite.
	, , , , , , , , , , , , , , , , , , , ,	·····		·
mineral	form	sizo	amount (%)	description
	1	1		L
Covelline	shell-shaped	10~20 μ	~2%	At the rime of chalcopyrite gains
	veinlets			Secondary
		i		
İ				
				١ .
1				
ļ				
		1		
1		1		
Sample No.:	E12P			
Rock name:		ith pyrite dissemination (	lacitic rock?)	
Observation:		o coarse grained pyrite.		
	brownish network veinl	ets (secondary) .		
Microscopic descript	ion			
Texture:	disseminated			
				•
				`
Ore minerals:		•		,
		, , , , , , , , , , , , , , , , , , , ,	. /2.	
mineral	form	size	amount (%)	description
Disa		50-200#	20~25%	Di
Pyrite	euhedral~anhedral	50~300 μ (aubadral)	20-25%	Disseminated (fine grained) part: mainly in
i		(euhedral)		silicified rock.
	i	1~2mm		Coarse-grained pyrite: occurs in network quartz vein.
1		(subhedral,		Turk
1	1	anhedral,		1
j.				
1		grained)		
				·
secondary minerals:	not attered			
		grained)	amount (%)	description
secondary minerals:	not altered		amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description
		grained)	amount (%)	description

## Data A-13 Description of Polished Sections (19/25)

Sample No.:	E15P			
Sample No.; Rock_name:	Whitish Clay + quartz v	ein with pyrite disseminati	on.	
Observation:	Spotted whitish clay (ki	solin?) with whitish quartz	vein and pyrite dissemi	nated.
				i
Microscopic descripti	on	····		
Texture:	disseminated			
Ohanaanat :				
Phenocryst:				!
mineral	form	size	amount (%)	description
Pyrite	euhedral~anhedral,	30∼800 µ	~0.1%	Fine to medium grained pyrite: euhedral,
	irregular			coarse grained pyrite; irregular.
Chalcopyrite	anhedral, irregular	~100 µ	<1%	Very few amount , independent grain.
		· .		· I
,				
	not altered	L		<u> </u>
secondary minerals:	INJ. BILDIOU			
mineral	form	size	amount (%)	description
			·	
				1
				L
	5000	•		
Sample No.:	E28P	licited mak with more 4	semination	
Rock name:	Greenish gray weakly si	ilicified rock with pyrite di		
	Greenish gray weakly si	ilicified rock with pyrite di ic rock with a few amount		
Rock name:	Greenish gray weakly si			
Rock name: Observation:	Greenish gray weakly s Weakly silicified andesit			
Rock name: Observation: Microscopic descripti	Greenish gray weakly si Weakly silicified andesit			
Rock name: Observation:	Greenish gray weakly s Weakly silicified andesit			
Rock name: Observation: Microscopic descripti Texture:	Greenish gray weakly si Weakly silicified andesit			
Rock name: Observation: Microscopic descripti	Greenish gray weakly si Weakly silicified andesit			
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Greenish gray weakly si Weakly silicified andesit on disseminated	ic rock with a few amount	of pyrite dissemination	
Rock name: Observation: Microscopic descripti Texture:	Greenish gray weakly si Weakly silicified andesit			description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated	ic rock with a few amount	of pyrite dissemination	
Rock name: Observation: Microscopic descripti Texture: Phenocryst:	Greenish gray weakly si Weakly silicified andesit on disseminated	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weakly si Weakly silicified andesit on disseminated form subhedrat~	ic rock with a few amount	of pyrite dissemination	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite	Greenish gray weekly si Weakly silicified andesit on disseminated  form subhedral ~ irregular	size 300~800 $\mu$ micro grain size: ~50 $\mu$	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral	Greenish gray weekly si Weakly silicified andesit on disseminated  form subhedral ~ irregular	ic rock with a few amount	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals:	Greenish gray weakly si Weakly silicified andesit on disseminated  form subhedral~ irregular	size  300~800 $\mu$ micro grain size:~50 $\mu$	of pyrite dissemination amount (%) ~ 1%	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite	Greenish gray weekly si Weakly silicified andesit on disseminated  form subhedral ~ irregular	size 300~800 $\mu$ micro grain size: ~50 $\mu$	amount (%)	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral	Greenish gray weekly si Weakly silicified andesit on disseminated  form subhedral ~ irregular  TiO <sub>2</sub> mineral occurred	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2解物	Greenish gray weakly si Weakly silicified andesit on disseminated  form subhedral ~ irregular  TiO <sub>2</sub> mineral occurred form subhedral	size  300~800 $\mu$ micro grain size:~50 $\mu$	of pyrite dissemination amount (%) ~ 1%	description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral	Greenish gray weekly si Weakly silicified andesit on disseminated  form subhedral ~ irregular  TiO <sub>2</sub> mineral occurred	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2解物	Greenish gray wealdy a Wealdy silicified andesit  on disseminated  form  subhedral ~ irregular  TIO <sub>2</sub> mineral occurred  form  subhedral elongated ellipsoidel	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2解物	Greenish gray wealdy a Wealdy silicified andesit  on disseminated  form  subhedral ~ irregular  TIO <sub>2</sub> mineral occurred  form  subhedral elongated ellipsoidel	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2解物	Greenish gray wealdy a Wealdy silicified andesit  on disseminated  form  subhedral ~ irregular  TIO <sub>2</sub> mineral occurred  form  subhedral elongated ellipsoidel	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2監袖	Greenish gray wealdy a Wealdy silicified andesit  on disseminated  form  subhedral ~ irregular  TIO <sub>2</sub> mineral occurred  form  subhedral elongated ellipsoidel	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2解物	Greenish gray wealdy a Wealdy silicified andesit  on disseminated  form  subhedral ~ irregular  TIO <sub>2</sub> mineral occurred  form  subhedral elongated ellipsoidel	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2解物	Greenish gray wealdy a Wealdy silicified andesit  on disseminated  form  subhedral ~ irregular  TIO <sub>2</sub> mineral occurred  form  subhedral elongated ellipsoidel	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description
Rock name: Observation: Microscopic descripti Texture: Phenocryst: mineral Pyrite secondary minerals: mineral TiO2監袖	Greenish gray wealdy a Wealdy silicified andesit  on disseminated  form  subhedral ~ irregular  TIO <sub>2</sub> mineral occurred  form  subhedral elongated ellipsoidel	size  300~800   micro grain size: ~50   resoluted from mafic mir	amount (%)	description  Disseminated  description

## Data A-13 Description of Polished Sections (20/25)

Camala Na :	E32P			
Sample No.: Rock name:		ith pyrite dissemination.		
Observation:		silicification and quartz st		
				·
Microscopic descript	ion			
Texture:	disseminated			
Phenocryst:				
L				
mineral	form	size	amount (%)	description
Pyrite	ouhedral~subhedral	20~200 μ	10~20%	Disseminated in silicified host rock
		(Av.100 μ )		Euhedral, and fine grained (~100 µ) of a few
	1			amount of pyrite, in quartz vein .
				Associated with sphalerite
Sphalerite	irregular	~200 µ	<1%	A fewt grains: in quartz vein, associated with
	<u> </u>			pyrite.
				Spotted chalcopyrite and pyrite (>1 μ)are
Galena	irregular	20~100 μ	<1%	contained in sphalerite. A few grains in quartz vein , associated with
ou.on.		1	4	pyrite.
secondary minerals:	Not altered	ı		
mineral	form	size	amount (%)	description
	ľ			
		1		
	J		·	
Sample No.:	E33P			
Rock name:		ith pyrite dissemination cu		quartz vein (width ~2mm).
Observation:	HOSE FOCK, SHICINGS FOCK	K with balles masternamence	Cutted by pyrice and	quartz ventament - zinny.
	Yellowish brown colored	d by secondary alteration :	end weathering (iron o	xides).
A 4:				
Microscopic descript Texture:	disseminated (silicifie	ed host rock)		- <del></del>
10,000		,		·
Phenocryst:	•			
mineral	form	size	smount (%)	description
			, , , ,	
Pyrite (host rock)	euhedral~subhedral	50~100 μ	5~10%	With small amount of chalcopyrite and sphalerite
Davida (auanda unia)		200∼500 μ	10~15%	Cooms assisted assessment attend
Pyrite (quartz vein)	euhedrai~subhedral	200~300 μ	10~15%	Coarse grained, brecciated secondarily altered
	ŀ		-	(limonitized and hematitized).
Chalcopyrite	anhedral, irregular	~50 µ	<0.5%	Associated with pyrite or contained in pyrite.
	1		Z0.5%	0-4-1
Sphalerite	anhedral, irregular	200∼500 μ	<0.5%	Contains micro grains ( $<1 \mu$ ) of chalcopyrite.
		ŀ		
secondary minerals:	hematite and limonite	occurred along the crack	s (network altered min	eral).
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mineral	form	size	amount (%)	description
Hematite	stockwork	10~20 μ φ	~1%	Secondary altered mineral (derived from pyrite).
1				,,
Limonite	stockwork			
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# Data A-13 Description of Polished Sections (21/25)

		**************************************		
Rock name:		vhitish silicified rock with		
Observation:	quartz pyrite veins: wi	tic to andesitic rock with the 0.5 ~ 1 mm.	silicincation and pyrite	dissemination.
Microscopic descript	ion			
Texture:	disseminated (altere	d host rock)		
Ore minerals:				
mineral	form	Sizė	amount (%)	description
Pyrite (host rock)	euhedral~subhedral	20~200 μ (Av.100 μ)	10~15% (in host rock)	Disseminated
Pyrite (quartz vein)	euhedral	20~50 μ (max.500 μ)	20~30% (in vein)	,
secondary minerals:	not altered			
mineral	form	size	amount (%)	description
		·		
Sample No.:	F06P			
Rock name: Observation:	Quartz vein with pyrite Yellowish brown quartz	oissemination. : vein with few amount o	coarse grained pyrite of	dissemination.
Microscopic descript				-
Texture:	on			
	disseminated			
Ore minerals:				
Ore minerals:		size	amount (%)	description
	disseminated	size 300 µ ∼3mm	amount (%)	
mineral	form subhedral~		,	description
mineral	form subhedral~		,	description
mineral Pyrite	form subhedral~		,	description
mineral Pyrite	form subhedral ~ anhedral, irregular		,	description  Coarse—grained, dissemination
Pyrite secondary minerals:	form subhedral ~ anhedral, irregular	300 µ ∼3mm	~5%	description  Coarse—grained,dissemination

## Data A-13 Description of Polished Sections (22/25)

Sample No.:	F13P	•		***
Rock name:		medium grained pyrite dis	semination.	
Observation:		rain, enrichment zone: a fe		<del> </del>
CUSCIVACION:	pyrice, mile to medicing	Sewichmidit 2000.	power to	
Microscopic descript	ion			
Texture:	disseminated			
Ore minerals:				
mineral	form	size	amount (%)	description
Pyrite	euhedral~enhedral irregular tablar	30~800 μ	10~15%	Locally disseminated (cutted by later stage barren quartz veinlets)
secondary minerals:				
mineral	T form	size	smount (%)	description
Limonite Hematite	shell shaped~ stockwork	~150 µ	~2%	Developed in cracks of pyrite, as stockwork, or at the rim of pyrite. (Secondary altered with iron gossan)
	,			
In the second				
Sample No.:	F14P			
Rock name: Observation:	Quartz vein with brecci pyrite: coarse grained (s	subedral ~ subhedral breco	cisted) to micro grained	(filling the matrix pert).
Microscopic descript	ion	····		
Texture:	breccisted, fissure filling	,disseminated		
Ore minerals:				
mineral	form	size	amount (%)	description
Pyrite	euhedral ~ anhedral	20~300 μ	~20%	Independent or aggregated (fine grained). Partly occurs at the rim of coarse grained pyrite.
!	brecciated euhedral or anhedral by macracopically	1.5 <b>~6</b> mm	~20%	Contains subhedral or irregular euhedral quartz crystal.
Chalcopyrite	irregular	100∼200 µ	<1%	Not associated with other sulfides
secondary minerals:	not altered			<u> </u>
			72.3	
mineral	form	size	amount (%)	description
1	1	I	i	1

## Data A-13 Description of Polished Sections (23/25)

Sample No.:	A04P			
Rock name:	Quartz vein ( or silicit	ied rock?) with iron oxides	<u> </u>	
Observation:				
Microscopic descript	ion			
Texture:		ed to secondary mineral (i	iron hydroxide, hematit	e)
	few amount only, partly	with iron oxides veinlets		
Ore minerals:				•
	T			I describeiro
mineral	form	size	amount (%)	description
				1
	i			
				1
				1
	1			1
	•			
secondary minerals:	•		·	• · · · • • · · · · · · · · · · · · · ·
			<u></u>	
mineral	form	size	amount (%)	description
Limonite	irregular	10~200 μ	<1%	Shell- shape in cavities
	shell- shaped			Secondary mineral of pyrite ?
Manage 1	important material	~.10.4	_104	
Hematite	irregular, grained	~10 µ	<1%	S4
				Secondary products from limonite ? (dehydration)
	ľ			(denyaration)
	L			
Sample No.:	A22P			
Rock name:	Hematite magnetite o	ra		
Observation:	Tioniocto magnetico o			
		·		
Microscopic descript				
Texture:	scattering of radial form	i hematite, vesicular		
Ora =increte:				
Ore minerals:				
mineral	form	size	amount (%)	description
				<u> </u>
Hematite	radial~prismatic	~10 × 500 µ	~70%	Magnetite occurs as pseudomorphs of hematite.
Magnetite	grained~metasomatic	20~200 μ	5~10%	
	not eltere "		<u> </u>	<u> </u>
secondary minerals;	not altered			
mineral	form	size	amount (%)	description
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## Data A-13 Description of Polished Sections (24/25)

Sample No.:	A125P		<del>,</del>	······································
Rock name:		ock with pyrite disseminat	ion,	
Observation:	brecciated			
Microscopic descript	ion			
Texture:	disseminated~rough	shaped pyrite		
rontaro.		5 <b></b>		
Ore minerals:	<del></del>			
Ore minerals.				
	T			4
mineral	form	şize	amount (%)	description
		l		
Pyrite	euhedral	50 μ ~1.2mm	<10%	Re-silicification and brecciation of silicified rock,
	~subhedral,			with barren quartz veinlets.
	grained		,	
,				
Sphalenite	anhedral, grained	10~100 μ	< 1%	Small amount of sphalerite in coarse grained
	~irregular			pyrite.
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secondary minerals:	not altered			
mineral	form	size	amount (%)	description
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i				
Sample No.:	A127P			
Rock name:	Pyrite - chalcapyrite	quartz vein or network		
Observation:	network~vein (in bre	ccisted rock)		
Microscopic descripti	on			
Texture:				
	disseminated~sggres	ated dots		····
	disseminated~aggreg	sted dots		
Ore minerals:	disseminated~sggreg	ated dots		
	disseminated~aggreg	ated dots		
	disseminated~aggreg	ated dots		
			amount (84)	description
mineral	disseminated~sggreg	ated dots	amount (%)	description
mineral	form	size		
	form euhedral ====================================	size 50 μ ~1.5mm	amount (%) ~ 10%	description  Included in coarse grained chalcopyrite.
mineral	form	size		
mineral	form euhedral ====================================	size 50 μ ~ 1.5mm (max)	~10%	Encluded in coarse grained chalcopyrite.
mineral	form euhedral∼subhedral coarse grained irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm		Encluded in coarse grained chalcopyrite.  Coarse grained, associated with pyrite and
mineral Pyrite	form euhedral~subhedral coarse grained	size 50 μ ~ 1.5mm (max)	~10%	Encluded in coarse grained chalcopyrite.
mineral Pyrite	form euhedral∼subhedral coarse grained irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm	~10%	Encluded in coarse grained chalcopyrite.  Coarse grained, associated with pyrite and
mineral Pyrite	form euhodral~subhedral coarse grained irregular coarse grained	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm	~10%	Encluded in coarse grained chalcopyrite.  Coarse grained, associated with pyrite and
mineral Pyrite Chalcopyrite	form euhedral~subhedral coarse grained irregular coarse grained aggregated dots	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained, associated with pyrite and
mineral Pyrite Chalcopyrite	form euhedral~subhedral coarse grained irregular coarse grained aggregated dots	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite Sphalerite	form euhodral ~ subhedral coarse grained irregular coarse grained aggregated dots irregular elongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite	form euhodral ~ subhedral coarse grained irregular coarse grained aggregated dots irregular elongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (max)	~10% 15~20%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and sphalerite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.
mineral Pyrite Chalcopyrite Sphalerite secondary minerals:	form  euhedral ~ subhedral coarse grained  irregular coarse grained aggregated dots irregular alongated ellipsoidal	size  50 μ ~ 1.5mm (max)  20 μ ~ 5mm (mex)  200 μ × 800 μ	~10% 15~20% <1%	Encluded in coarse grained chalcopyrite.  Coarse grained , associated with pyrite and aphalerite.  associated with chalcopyrite.

## Data A-13 Description of Polished Sections (25/25)

Brownish barren quart	z vein cutted by coarse gr	ained pyrite quartz vei	n.
lisseminated			
lisseminated			
lisseminated			
lisseminated			
form	size	amount(%)	description
****			
coarse grained euhedral	~3mm (max)	~ 10% (Py-Qz vein)	Developping in barren quartz vein. Coarse grained. The rim is secondarily altered into limonite and hematite.
enhedral	~100 µ	~18	Very small amount, partly associated with pyrite in quartz vein. Coveline as secondary alterd mineral.
	1		
form:	Air-	amaura/04\	deportation
form	size	amount(96)	description
ell-shaped	10∼50 μ	~1%	Secondary mineral of pyrite or iron oxides (along the cracks).
ell-shaped	~10 µ	<1%	Secondary mineral of chalcopyrite.
24P			
	tz vein with dissemination	of chalcopyrite, sphale	rite and pyrite.
Observation: Quartz vein or brecciated silicified rock with chalcopyrite, sphelerite and covelline.			
Microscopic description Texture: disseminated			
-		7	
form	size	amount(%)	description
egular subhedral	50~100 µ	~2%	Replaced by chalcopyrite, corroded form.
egulár	~400 µ	~5%	Glose to sphalerite and Ag mineral (polybasite?)
egular	~ 200 µ	~10%	Replacement of pyrite. Close to chalcopyrite and polybasite.
	~200 µ ~100 µ	~10% ~2%	Replacement of pyrite.
ogular ogular	~100 µ		Replacement of pyrite. Close to chalcopyrite and polybasite.
egular egular subhedral covelline : rim part of	∼100 µ chalcopyrite.	~2%	Replacement of pyrite. Close to chalcopyrite and polybasite. Close to sphalerite and chalcopyrite.
egular egular subhedral	~100 µ		Replacement of pyrite. Close to chalcopyrite and polybasite.
	form  ell-shaped  ell-shaped  ell-shaped  interest bearing quartartz vein or brecciate the chalcopyrite, sphelidisseminated	suhedral (max)  anhedral ~100 μ  form size  ell-shaped 10~50 μ  ell-shaped ~10 μ  c24P mineral bearing quartz vein with dissemination partz vein or brecciated silicified rock the chelcopyrite, sphelerite and covelline.	suhedral (max) (Py-Qz vein)  anhedral ~100 μ ~1%  form size amount(%)  ell-shaped 10~50 μ ~1%  ell-shaped ~10 μ <1%  224P mineral bearing quartz vein with dissemination of chalcopyrite, sphale lartz vein or brecciated silicified rock the chalcopyrite, sphelente and covelline.