巻 末 資 料

AP-1 Results of Radiometric Age Determination (Phase 1, 2 , 3)

Phase 1

Sample No.	Location	Coordinate		Rock Type	Sample Type	Potassium (K wt%)	Rad. ^{40}Ar (10^{-6}cc/g)	K-Ar Age (Ma)	Air Cont. (%)
		N	E						
D-003	Soledad	7807829	472110	Quartz porphyry, moderately altered	Biotite (chloritized)	4.192	8.611	52.1 ± 2	38
A-020	Queen Elizabeth-S	7803750	504118	Andesite, highly altered	Biotite	6.444	9.614	38 ± 1.4	34
A-043	La Planada	7769958	492768	Diorite, highly altered	Biotite (chloritized)	6.934	10.375	38.1 ± 0.9	13
A-050	La Planada	7770040	493719	Quartz porphyry, highly altered	Conc.Biotite and chlorite	4.923	7.587	39.2 ± 1.7	44
C-063	La Planada	7770045	492817	Meta-dacite, highly altered	Biotite / mica	7.037	10.680	38.6 ± 1.3	39
Phase 2									
F-073	West Queen Elizabeth-SE	7800708	495609	Granodiorite, fresh	Biotite	6.927	11.249	41.3 ± 1	20
E-098	Camarones-QCFE	7906528	443991	Diorite porphyry, slightly altered, primary biotite remain	Whole rock	1.122	2.269	51.3 ± 1.7	25
G-070	Camarones-QCFE	7905141	443789	Rhyolitic tuff, fresh	Biotite	6.632	5.325	20.5 ± 0.5	26

Phase 3

K-118	Putre N	8016753	430195	Andesite porphyry	Amphibole	0.956	0.428	11.5 ± 1.1	74
K-119	Putre N	8015730	430733	Andesite porphyry	Whole rock	1.773	0.854	12.3 ± 0.4	27
T-093	Putre W	7982502	423433	altered rock	Sericite / Musc.	4.003	6.997	44.4 ± 2	51
T-093*	Putre W	7982502	423433	altered rock	Whole rock	2.027	3.577	44.8 ± 2.7	65
T-095	Putre W	7982313	423556	Granodiorite	Biotite altered	7.338	14.474	50 ± 1.2	11
Q-164	Putre W	7981434	428160	altered rock	Sericite / Biot.	1.445	2.874	50.4 ± 2	33
Q-164	Putre W	7981434	428160	altered rock	Whole rock	2.226	4.731	53.9 ± 2.4	56
Q-165	Putre W	7981332	428151	Granodiorite	Biotite /Chlorite	6.584	13.971	53.8 ± 1.4	18
K-155	Putre W	7981042	427199	altered Granodiorite	Musc. / Ox.	6.723	13.993	52.8 ± 1.4	29
K-156	Putre W	7981042	427199	altered rock	Musc / Ser.	7.984	17.670	56 ± 1.5	21
K-138	Putre W	7975913	426340	Granodiorite	Biotite altered	7.134	15.136	53.8 ± 1.3	18
K-143	Putre W	7975231	426572	altered Granodiorite	Whole rock	4.804	10.446	55.1 ± 1.9	17
S-051	Arica NE	7974192	413054	Granodiorite	Biotite	7.244	18.205	64 ± 2	20
T-074	Putre S	7973028	445135	Diorite porphyry	Biotite	7.336	4.892	17.1 ± 0.5	29
T-068	Putre S	7972202	443451	altered Qz-porphyry	Whole rock	3.634	1.936	13.7 ± 0.7	67
T-085	Putre S	7972020	440982	Diorite porphyry	Whole rock	0.716	0.394	14.1 ± 0.6	46
T-086	Putre S	7971473	440029	altered Microdiorite	Whole rock	2.115	1.132	13.7 ± 0.5	43
S-049	Putre SW	7960308	420224	Granodiorite	Biotite	7.462	19.289	65 ± 2	16
K-113	Putre SW	7960219	419684	Granite	Biotite altered	7.106	18.137	65 ± 2	9
K-114	Arica E	7958910	416101	Granite porphyry	Biotite	6.843	18.033	67 ± 2	19
K-146	Arica E	7958405	417090	altered Granodiorite	Whole rock	1.101	2.497	57.4 ± 2.1	31
K-150	Arica E	7958379	417000	Granodiorite	Biotite / Act.	6.013	15.774	66 ± 2	41
K-148	Arica E	7958275	417102	altered Aplite	Whole rock	3.674	9.561	66 ± 2	24
K-152	Arica E	7957416	415702	Granodiorite	Biotite	7.353	19.679	68 ± 2	21
T-062	Tignamar N	7946924	451586	altered Qz-porphyry	Whole rock	2.604	1.778	17.5 ± 0.7	43
T-055	Camiña NE	7889845	467650	Andesite	Whole rock	2.613	1.057	10.4 ± 0.4	50
Q-068	Camiña	7866600	459341	Diorite porphyry	Whole rock	1.342	3.009	56.8 ± 1.9	21
S-033	Camiña	7862279	447949	Qz-porphyry, highly altered	Whole rock	3.561	8.889	63 ± 2	37
K-084	Camiña	7862141	449474	meta-diorite porphyry	Whole rock	0.797	1.829	58.1 ± 1.9	16
S-032	Camiña	7861990	448095	Qz-porphyry, weakly altered	Whole rock	3.172	7.126	56.9 ± 2	43
S-045	Camiña	7861611	448377	Diorite	Whole rock	1.041	2.421	58.8 ± 2	19
T-034	Chusmisa NE	7831898	502577	Dacite	Biotite	7.006	0.817	3 ± 0.2	74
S-019	Chusmisa	7831530	479094	Granodiorite	Biotite, Chlorite	5.353	10.116	48 ± 1.4	26
T-008	Tarapaca	7801031	452097	Granodiorite	Biotite, Chlorite	5.965	16.551	70 ± 2	19
K-016	Guavina	7790396	488986	Granodiorite	Biotite	7.324	12.851	44.6 ± 1.1	15
S-013	Mamiña SE	7779368	481013	Granite	Biotite	7.185	13.343	47.1 ± 1.3	32
K-011	Copaquiri	7679948	520917	Diorite	Biotite / Act.	7.074	89.620	300 ± 7	7
K-011*	Copaquiri	7679948	520917	Diorite	Biotite / Act.	7.074	88.894	297 ± 7	4

Analyzed by SERNAGEOMIN

AP-2 Results of Microscopic Observation of Thin Sections (Phase 3 Surface survey) (1)

Sample No.	Locality	Rock Facies		Texture	Phenocryst or fragment								Groundmass or matrix								Metamorphic or alteration					
		Formation/Intrusive	Rock name		MP	cpx	hb	qz	pl	Kf	op	others	MP	hb	qz	pl	Kf	gl	op	others	ep	chl	amp	ser	tit	others
T-004	Copaquiri	Kv(m)	meta-andesite	porphyritic	(○)		(○)		◎						・	◎			○	apa(・)	○		◎	○	△	bio(△),tou(△)
	Mafic phenocryst totally by chlorite and secondary amphibole. Feldspar highly by sericite.																									
T-008	Tarapaca	Kgd	granodiorite	equigranular		・	△	○	◎	◎	○	bio(○)								apa(・)		△	△		△	zir(・)
	Biotite locally chloritized. K-feldspar is usually dusty.																									
T-009	Pachica	Kgd	granodiorite	subophitic	(○)	○		○	◎	○	○	bio(○)								apa(・)	○	○	△		△	zir(・)
	Mafic minerals and biotite totally by chlorite. Clinopyroxene is usually dusty.																									
T-015	Pachica	Kgd	granodiorite	subophitic		○	○	○	◎	○	○	bio(○)								apa(・)		○			・	zir(・)
	Hornblende strongly decomposed into dusty amphibole. Biotite locally by chlorite																									
T-020	Chusmisa	Kv(i)	sandstone	clastic				◎	○	○	○	frag(◎)									○	○		○	・	
	Volcanic fragments are common.																									
T-023	Chusmisa	Kv(i)	meta-volc. breccia	fine-cryatalline											◎	◎	○		△	cpx (△)		△	△			bio(○)
	probably contact metamorphosed forming biotite, clinopyroxene and amphibole.																									
T-034	Chusmisa NE	Qv	dacite	porphyritic			○	○	◎		△	bio(○)			○	○		◎								sm(△)
	fresh dacite, locally smectite.																									
T-055	Camiña NE	Qv	andesite	porphyritic	○	△			◎		△				○	○		○	△							
	fresh andesite																									
T-063	Tignamar N	Tgd	diorite porphyry	porphyritic			(○)	△	◎			bio(○)			○	○	○		△		○	△			△	bio(△)
	Hornblende is totally replaced by chlorite and epidote. Brown biotite by secondary green biotite.																									
T-068	Putre S	Tgd	Qz-porphyry	porphyritic			(△)	◎	○	○					○	○	○		△			○		○	△	
	Hornblende by aggregate of opaque minerals. Matrix by sericite and chlorite.																									
T-074	Putre S	Tgd	diorite porphyry	porphyritic to ophitic	(△)	△	○		◎		△	bio(△)			○	○	○		△	apa(・)	△	△			・	zir(・)
	Orthopyroxene is totally replaced by chlorite.																									
T-079	Chapiquiña	Pc	serpentinite								○	srp(◎)														
	originally harzburgite. preserving bastite texture.																									
T-080	Chapiquiña	Tgd	porphyry	porphyritic		(○)	○		◎		○				○	○			○		△	○	○		△	
	Hornblende and clinopyroxene strongly replaced by amphibole, epidote and chlorite. Plagioclase highly albitized.																									
T-085	Putre S	Tgd	diorite porphyry	porphyritic	(○)				◎		○		(△)		○	◎			○	bio(○)		△			△	
	Mafic phenocryst totally by aggregate of opaque minerals and biotite.																									
T-086	Putre S	Tgd	microdiorite	ophitic		○	○	△	◎		○										・	○	○		△	
	Hornblende by secondary amphibole aggregate and epidote. Clinopyroxene is usually dusty.																									
T-095	Putre W	Tgd	granodiorite	equigranular			○	◎	◎	○	○	bio(○)										△		△		
	Hornblende is loccaly fresh, mostly decomposed into biotite and chlorite.																									
Q-011	Quipisca	Kgd	microdiorite	ophitic		△	○	○	◎	△	○										△	○	○			cb(△)
	Clinopyroxene replaced by amphibole. Hornblende is highly by acicular amphibole.																									
Q-013	Quipisca	Kgd	granoporphyry	porphyritic	(○)	△	(○)	○	◎		△	bio(○)									・	△	○	・	・	
	Hornblende by acicular amphibole aggregate. Orthopyroxene by chlorite and amphibole.																									
Q-033	Chusmisa	Kc(i)	hornfels	microcrystalline		◎	△	○	◎	○	○	bio(△)														
	high-grade, contact metamorphosed.																									
Q-061	Chusmisa	Tgd	meta-porphyry	porphyritic, microcrystalline					(○)						◎	○	○		・					○		tou(◎)
	abundant tourmaline probably formed by hydrothermal event.																									
Q-068	Camiña	Tgd	diorite porphyry	porphyritic	○	○	(○)		◎		△		△	△	◎	◎			△				○			bio(○)
	Brown biotite replaced highly by green biotite. Hornblende by fibrous amphibole.																									

AP-2 Results of Microscopic Observation of Thin Sections (Phase 3 Surface survey) (2)

Sample No.	Locality	Rock Facies		Texture	Phenocryst or fragment								Groundmass or matrix								Metamorphic or alteration					
		Formation/Intrusive	Rock name		MP	cpx	hb	qz	pl	Kf	op	others	MP	hb	qz	pl	Kf	gl	op	others	ep	chl	amp	ser	tit	others
Q-072	Camiña	Kv(i)	basalt	porphyritic	(○)	○			◎		△		○			◎			○							sm(○)
					Olivine and glass by smectite and opaque minerals.																					
Q-096	Camiña	Kv(i)	andesite	porphyritic	○	○			◎		△		△		△	◎		(○)					△			sm(○)
					Orthopyroxene replaced highly by smectite and amphibole																					
Q-149	Putre SE	Qvr	dacite tuff	glassy			△	◎	○			bio(△)			○	○		◎								
					fresh tuff, containing mudstone fragments.																					
Q-150	Putre E	Qvr	pumiceous tuff	glassy			◎	○						△	○	○		◎	△	bio(△)						
					including many clastic rocks.																					
Q-157	Putre S	Tgd	Qz porphyry	porphyritic			(△)	◎	○	○					○	○	○		△					○		
					Hornblende decomposed into sericite and opaque minerals. Feldspars decomposed into sericite and dusty minerals.																					
Q-165	Putre W	Tgd	granodiorite	ophitic			○	○	◎	△	△	bio(○)								apa(・)		○	△		△	cb(△)
					Hornblende by chlorite and carbonate minerals.																					
S-001	Macaya E	Kgd?	meta-diorite	subophitic		○	(○)	○	◎	△	○									apa(・)	△	○	○		△	bio(△)
					Hornblende replaced by acicular amphibole. Biotite by aggregate of green biotite.																					
S-003	Mamiña SE	Tgd	meta-microdiorite	brecciated				○							◎	○	○		○		◎		○		○	
					Quartz vein. Epidote-amphibole pools are common.																					
S-013	Mamiña SE	Tgd	porphyry	porphyritic, subophitic		○	△		◎		△				○	○	○		○	bio(○)	△	△		△	△	zir(・)
					contact metamorphosed?																					
S-014	Mamiña SE	Tgd	granodiorite	subophitic to equigranular		△	(○)	○	◎	△	○									apa(・)		△	○		△	bio(○)
					metamorphic. Hornblende by secondary amphibole, chlorite and biotite.																					
S-016	Chusmisa	Tgd	meta-diorite	porphyritic			(○)		◎		△			(○)	○	○	○		△				○	△	・	bio(○)
					Hornblede decomposed into secondary amphibole amd biotite.																					
S-017	Chusmisa	Tgd	granodiorite	graphic			(○)	○	◎	◎	○	bio(○)								tou(○)						sm(○)
					Hornblende decomposed into smectite.																					
S-019	Chusmisa	Tgd	granodiorite	equigranular		△	○	◎	○	◎	○	bio(○)										△	○	△		zir(・)
					Clinopyroxene replaced by hornblende. K-feldspar is usually dusty.																					
S-032	Camiña	Tgd	qz porphyry	porphyritic			(○)	◎	○	○					◎	○	◎		○		△	○		△	△	
					Hornblende or biotite totally by chlorite, opaque minerals and epidote.																					
S-034	Camiña	Tgd	meta-di-porphyry	porphyritic	(○)	○	(○)		◎		○				○	◎		(○)		apa(・)	△	○	○	△	・	
					Orthopyroxene by chlorite. clinopyroxene highly into secondary amphibole. Hornblende totally by amphibole.																					
S-038	Camiña	Kv(i)	andesite	porphyritic	(○)		○		○		○			(○)	△	◎			○			△		○			bio(○)
					Orthopyroxene by chlorite, epidote and biotite. hb is oxy-hornblende. Secondary amphibole is common.																					
S-045	Camiña	Tgd	metadiorite	subophitic			(◎)	△	◎		○									apa(・)	○	△	◎			
					Hornblende is replaced by secondary green amphibole.																					
S-049	Putre SW	Kgd-Tgd	granodiorite	subophitic	△	○	(○)	○	◎	○	△	bio(○)								apa(・)			○			zir(・)
					Hornblende decomposed into fine amphibole aggregate. Opx preserved only in feldspar crystal.																					
S-050	Putre SW	Kgd	granite	equigranular			(△)	○	○	◎	△	bio(△)								apa(・)	△	○			△	
					Hornblende totally by chlorite. Biotite locally by chlorite. K-feldspar usually dusty.																					
S-051	Arica NE	Tgd	granodiorite	equigranular	△	○	○	○	◎	○	○	bio(○)								apa(・)						
					Pyroxenes highly replaced by hornblende.																					
K-011	Copaquiri	Pzg	diorite	subophitic	○	△	○	○	◎	△	○	bio(○)								apa(・)				△	・	zir(・), sm(△)
					Orthopyroxene is highly altered into smectite.																					

AP-2 Results of Microscopic Observation of Thin Sections (Phase 3 Surface survey) (3)

Sample No.	Locality	Rock Facies		Texture	Phenocryst or fragment								Groundmass or matrix								Metamorphic or alteration					
		Formation/Intrusive	Rock name		MP	cpx	hb	qz	pl	Kf	op	others	MP	hb	qz	pl	Kf	gl	op	others	ep	chl	amp	ser	tit	others
K-016	Guavina	Tgd	granodiorite	equigranular, subophitic		△	○	◎	◎	◎	△	bio(○)								apa(・)				△	・	zir(・)
		Clinopyroxene is present only in hornblende.																								
K-033	Chusmisa	Kv(i)?	meta-sandstone	clastic									○		◎	◎	○		○	bio(△)						
		Among mafic minerals, orthopyroxene is predominant. Clinopyroxene is small in amount.																								
K-038	Chusmisa	Kv(i)?	meta-siltstone	fine-grained equigranular									○	△	◎	◎	○		△	bio(○)						
		contact metamorphism. Orthopyroxene is common as fine-grained crystal.																								
K-040	Chusmisa	Kv(i)?	meta-volc. breccia	clastic				○							◎	◎	○	(◎)	△	kao(△)	・			・	・	tou(○)
		Glass is devitrified. Tourmarine is radial crystal aggregate.																								
K-055	Chusmisa	Tgd	granite	equigranular	△	△	△	○	○	◎	△	bio(○)								apa(・)						sm(・),zir(・)
		Orthopyroxene is strongly altered into smectite and goethite. Clinopyroxene locally by hornblende.																								
K-056	Chusmisa	Kv(i)?	meta-basalt	porphyritic		○			◎				○			○		(◎)	○	bio(△)						goe(△)
		Clinopyroxene is fine-grained and forms pool of aggregate.																								
K-059	Chusmisa	Tgd?	meta-granite	porphyritic, microcrystalline			(○)		○						◎	◎	○		△	bio(○)				・	・	sm(○)
		contact metamorphism? Hornblende is totally altered into smectite.																								
K-061	Chusmisa	Kv(i)?	granulite	microcrystalline		◎		◎	○		△	bio(△)													△	
		high grade zone of contact metamorphism?																								
K-080	Camiña	Tgd	meta-diorite	subophitic, equigranular			(○)	◎	◎		○										△	△	○		△	cb(△)
		Hornblende decomposed into fine-grianed secondary amphibole. Plagioclase is dusty.																								
K-084	Camiña	Tgd	meta-diorite porphyry	porphyritic		○			◎		△					◎			△			・	○	△	・	bio(△)
		Secondary fine-grained clinopyroxene is common around cpx phenocryst and in groundmass.																								
K-113	Putre SW	Kgd	granite	equigranular			○	○	○	◎	△	bio(△)								zir(・)		△	△	・	・	bio(△)
		Hornblende decomposed, forming aggregate of amphibole. Green biotite forms a pool.																								
K-114	Arica E	Kgd	granite porphyry	porphyritic, equigranular	△	△	○	○	○	◎	△	bio(△)								apa(・)		・		・	・	zir(・), sm(△)
		Pyroxenes are totally surounded by hornblende.																								
K-118	Northern Putre	Tgd	andesite	porphyritic	△	○	○		◎		○		△	○		○		◎	○	bio(・)						
		Olivine occurs only in clinopyroxene crot. Hornblende is usually oxy-hornblende.																								
K-119	Northern Putre	Tgd	andesite	porphyritic	△		○		◎		○		△	○		○		◎	○							
		Hornblende is strongly oxytized. Orthopyroxene is well preserved.																								
K-128	Putre S	Tgd	meta-diorite	subophitic			(○)	○	◎	○	○										○	○	○	△	・	
		Hornblende is totally replaced by sericite, green amphibole and chlorite. Feldspar is dusty.																								
K-135	Putre W	Kv(i)?	meta-andesite	porphyritic		△	(○)		◎		△					○		(◎)	△		△	△	○		○	cb(△)
		Clinopyroxene occurs as a relict phase surrounde by amphibole. Matrix int osecondary minerals.																								
K-138	Putre W	Tgd	granodiorite	porphyritic, equigranular			○	○	◎	○	○	bio(○)								apa(・)	・	・	○	・	・	bio(○)
		Hornblende decomposed mostly into secondary amphibole. Biotite is usually forming aggregate, probably secondary.																								
K-150	Arica E	Kgd	granodiorite	subophitic		○	(○)	○	◎	○	○	bio(○)								apa(・)		△	○	・	・	zir(・)
		Hornblende is strongly replaced by secondary acicular amphibole.																								
K-152	Arica E	Kgd	granodiorite	subophitic	(△)		○	○	◎	◎	△	bio(○)								apa(・)					△	zir(・), sm(△)
		Orthopyroxene into smectite and included in hornblende.																								

abbrev. MP= mafic minerals, cpx=clinopyroxene, pl=plagioclase, op=opaque minerals, qz=quartz, hb=hornblende, kf=K-feldspar epi=epidote, tou=tourmaline
gl=glass or microcrystalline aggregate, cb.=carbonate, ser=sericite, tit=titanite, apa=apatite, sm=smectite including clay mienrals.
goe=goethite, zir=zircon, kao=kaolline
◎abundant, ○common, △small, ・rare () brancket shows totally decomposed.

AP-3 Results of Microscopic Observation of Polished Sections (Phase 3 Surface survey)

Sample No.	Locality	Ore minerals										Gangue minerals								
		Py	Cp	Cry	Aca	Mal	Ang	Cer	Hm/Mt	Bar	others	si	pl	kf	ser	chl	tit	ana	zm	others
T-005	Queen Elizabeth										Jar(○),Goe(△)	◎			○	○		△	・	
Q-139	Putre SE (Choquelimpie)	○			・							◎						・		kao(○)
Q-144	Putre SE (Choquelimpie)	○								◎		◎			△			・		kao(○)
Q-145	Putre SE (Choquelimpie)	○			・					・	Gal(・)	◎							・	kao(○)
Q-160	Putre S	○										○	◎	○		○				bio(△)
S-002	Copaquire								○			○	◎							bio(○),apa(△)
S-005	Mamiña SE	△							○			◎	○	◎		◎				epi(○),cpx(○)
S-016	Chusmisa	△							○			◎	◎	◎						hb(○)
S-021	Chusmisa			○			・	○			Ant(◎)	◎								
S-029	Camiña	○										○	◎			◎		△		hb(○),clay(△)
S-033	Camiña	△										◎	○	◎				△		
S-035	Camiña	○									Goe(△)	○	◎				・	△		clay(○)
K-124	Putre S	○								・		◎								clay(◎)
K-129	Putre S	○									Gal(・)	○	◎	◎			・	・	・	cpx(△)
K-133	Putre W (Campanane)		△	◎							Jar(○)	◎							・	tou(◎)
K-137	Putre W (Campanane)								○			△	◎		△	○	○			cal(○)
K-139	Putre W (Campanane)			◎							Goe(○)	◎							・	tou(◎)
K-147	Arica E (Halcones)			◎		○	・				Goe(◎),Chc(△)	◎								
K-149	Arica E (Halcones)			◎		△		・			Cag(・),Plu(○)	◎								
K-151	Arica E (Halcones)	◎				・	△				Chc(○),Ant(△)	◎								

abbrev. Py=pyrite,Hm=hematite,Mt=magnetite,Cp=chalcopyrite,Gal=galena, Mal=Malacite, Goe=goethite, Ang=anglesite, Aca=acanthite
Cry=chrysocolla, Mal=malachite, Chc=chalcocite, Bar=barite, Cer=cerussite, Cag=chlorargyrite, Plu=plumbojarosite, Ant=antlerite, Jar=jarrosite
kf=K-feldspar, se=sericite or muscovite, bio=biotite, bar=barite, ana=anatase, zm=zircon and monazite, cpx=clinopyroxene
si=SiO_2 minerals, pl=plagioclase, chl=chlorite, clay=clay minerals, epi=epidote, cal=calcite, kao=kaollinite, hb=hornblende
◎=abundant, ○=common, △=small, ・=rare

AP-4 Results of X-ray Diffractive Analysis (Phase 3 Surface survey) (1)

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

AP-4 Results of X-ray Diffractive Analysis (Phase 3 Surface survey) (2)

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

Abbreviation

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

Amount

$2\theta > 20°$ (CuKa)

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

$2\theta < 20°$ (CuKa)

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

AP-5 Results of Fluid Inclusion Analysis (Phase 3 Surface survey) (1)

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

AP-5 Results of Fluid Inclusion Analysis (Phase 3 Surface survey) (2)

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

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

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

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

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

AP-7 Results of Geochemical Analysis of Rock Samples (Phase 3 Surface survey) (1)

Locality	Sample No.	Coordinate		Geology	Au	Ag	Cu	Pb	Zn	Mo	As	Sb	Hg
		N	E		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Pachica	S-015	7805261	466408	Ba vein	<5	1.3	352	111	360	18	38	4	0.555
Pachica	T-010	7803964	461957	Kv(i)	9	<0.1	16	9	38	6	19	<2	<0.01
Pachica	T-011	7803934	462105	Kv(i)	<5	0.3	9	10	54	15	7	<2	0.013
Pachica	T-012	7804090	462392	Kv(i)	11	3.3	36	8	51	10	39	<2	0.032
Pachica	T-013	7804180	462688	Kv(i)	<5	0.2	11	7	26	4	28	<2	0.275
Pachica	T-014	7804220	463049	Kv(i)	<5	0.3	5	4	24	6	27	<2	<0.01
Pachica	T-015	7803906	461067	Kgd	<5	0.4	19	23	189	11	22	4	0.165
Pachica	T-017	7804213	464813	Kv(i)	<5	0.5	27	18	85	3	34	4	0.085
Pachica	T-018	7804090	464780	Kv(i)	<5	0.2	31	13	103	4	35	<2	0.051
Pachica	T-019	7804452	464541	Kv(i)	142	0.8	37	142	404	14	139	3	0.044
Pachica	Q-015	7804228	461619	Kv(i)	6	<0.1	95	9	50	<2	<5	<2	<0.01
Pachica	Q-017	7804494	461748	Kv(i)	<5	0.1	20	5	28	<2	<5	<2	0.010
Pachica	Q-018	7804649	461764	Kv(i)	<5	<0.1	9	8	43	<2	<5	<2	<0.01
Pachica	Q-019	7804807	461792	Kv(i)	<5	0.2	28	7	37	4	<5	<2	<0.01
Chusmisa	S-018	7831478	479188	Tgd	<5	0.1	32	32	86	6	31	7	<0.01
Chusmisa	S-026	7828624	475801	Tig	<5	0.2	13	<2	22	3	9	<2	<0.01
Chusmisa	S-027	7828835	475354	Kv(i)	<5	0.2	14	3	15	3	6	<2	<0.01
Chusmisa	T-022	7830875	475952	Kv(i)	<5	0.9	25	13	143	5	12	3	<0.01
Chusmisa	T-024	7831280	477434	Kv(i)	7	0.1	43	7	33	6	171	2	0.025
Chusmisa	T-025	7838278	477211	Kv(i)	<5	<0.1	35	7	62	4	6	<2	<0.01
Chusmisa	T-026	7838226	477284	Kv(i)	<5	<0.1	33	8	66	4	<5	<2	<0.01
Chusmisa	K-031	7829890	476893	Tgd	<5	0.2	37	12	80	4	<5	<2	<0.01
Chusmisa	K-032	7831338	482563	Tgd	<5	<0.1	25	9	51	4	<5	<2	<0.01
Chusmisa	K-034	7831166	482732	Kv(i)?	<5	<0.1	37	8	93	4	<5	<2	<0.01
Chusmisa	K-038	7831277	483036	Kv(i)?	<5	<0.1	118	21	63	3	<5	<2	0.015
Chusmisa	K-040	7830668	482745	Kv(i)?	<5	0.1	12	9	64	3	<5	<2	<0.01
Chusmisa	K-041	7830651	482700	? (Sil. r.)	<5	<0.1	24	<2	10	<2	20	<2	0.020
Chusmisa	K-043	7830809	482955	? (Sil. r.)	<5	0.1	7	20	48	<2	<5	2	<0.01
Chusmisa	K-056	7831024	484124	Kv(i)?	<5	0.2	103	8	79	6	<5	<2	0.014
Chusmisa	K-058	7831113	482896	Tgd	<5	<0.1	23	19	41	5	34	<2	<0.01
Chusmisa	K-059	7831998	482811	Tgd?	<5	0.2	22	20	39	5	<5	<2	0.020
Chusmisa	K-060	7831553	482976	Tgd?	<5	0.1	13	21	42	3	<5	2	<0.01
Chusmisa	Q-032	7831968	479952	Kc(i)	<5	<0.1	7	9	81	<2	<5	<2	0.013
Chusmisa	Q-033	7831968	479952	Kc(i)	<5	<0.1	19	7	84	5	<5	<2	0.018
Chusmisa	Q-034	7831968	479952	Tgd	<5	<0.1	12	8	77	<2	<5	<2	<0.01
Chusmisa	Q-036	7831968	479952	Kc(i)	<5	<0.1	13	8	76	<2	<5	<2	0.010
Chusmisa	Q-039	7831801	480274	Kc(i)	<5	<0.1	8	8	60	<2	<5	<2	0.016
Chusmisa	Q-055	7822724	479836	Kv(i)	<5	0.1	11	10	32	4	7	<2	0.025
Chusmisa	Q-058	7821834	478894	Kv(i)	<5	0.2	22	5	40	3	10	<2	1.199
Chusmisa	Q-059	7821646	478664	Kv(i)	<5	<0.1	48	12	128	8	60	6	0.606
Chusmisa	Q-060	7821487	478675	Kv(i)	<5	<0.1	26	<2	49	<2	<5	<2	0.018
Chusmisa	Q-062	7821281	478648	Kv(i)	<5	0.1	28	18	99	4	21	3	0.069
Chusmisa	Q-063	7821281	478648	Kv(i)	<5	0.1	29	9	73	4	<5	3	0.034
Chusmisa E	Q-023	7828195	488522	Kv(i)	<5	<0.1	9	29	64	<2	<5	<2	0.011
Chusmisa NE	S-024	7840331	509761	Qvr	<5	<0.1	16	8	20	6	7	<2	0.146
Chusmisa NE	T-027	7832562	501701	Qv	<5	0.1	44	6	13	3	30	<2	0.154
Chusmisa NE	T-028	7832286	501917	Qv	<5	<0.1	53	<2	40	7	<5	<2	0.024
Chusmisa NE	T-029	7832278	501834	Qv	<5	0.5	7	15	2	3	6	5	0.111
Chusmisa NE	T-031	7832107	502076	Qv	13	0.6	47	58	15	27	172	12	5.074
Chusmisa NE	T-032	7831994	502137	Qv	6	0.3	10	14	6	5	18	<2	1.741
Chusmisa NE	T-033	7831931	502374	Qv	<5	0.1	22	10	12	<2	9	3	0.055
Chusmisa NE	T-038	7826283	492489	Qv	<5	<0.1	31	5	33	<2	<5	<2	<0.01
Chusmisa NE	T-039	7826563	492261	Qv	<5	<0.1	32	16	18	51	35	<2	0.060
Chusmisa NE	T-040	7827062	492506	Qv	<5	0.1	53	16	10	8	19	<2	<0.01
Chusmisa NE	T-041	7827113	492541	Qv	<5	0.1	12	22	12	6	12	<2	<0.01
Chusmisa NE	K-045	7832239	502903	Qv?	<5	<0.1	4	21	4	<2	<5	<2	0.011
Chusmisa NE	K-051	7832645	502596	Qv?	9	<0.1	27	11	10	7	6	<2	0.598
Chusmisa NE	Q-041	7839433	506929	Qvr	<5	<0.1	13	14	40	<2	<5	<2	0.012
Chusmisa NE	Q-043	7839818	507178	Qvr	<5	<0.1	5	14	22	3	7	<2	0.043

AP-7 Results of Geochemical Analysis of Rock Samples (Phase 3 Surface survey) (2)

Locality	Sample No.	Coordinate		Geology	Au	Ag	Cu	Pb	Zn	Mo	As	Sb	Hg
		N	E		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Chusmisa NE	Q-044	7839892	507476	Qvr	<5	<0.1	5	12	16	15	<5	<2	0.142
Chusmisa NE	Q-045	7839900	507052	Qvr	<5	<0.1	4	15	15	<2	<5	<2	0.020
Chusmisa NE	Q-046	7841005	507610	Qvr	<5	<0.1	11	10	15	28	76	10	0.272
Chusmisa NE	Q-050	7842703	506460	Qvr	<5	<0.1	6	13	39	<2	<5	<2	0.024
Chusmisa NE	Q-052	7841790	506611	Qvr	<5	<0.1	8	14	42	<2	<5	2	0.032
Camiña	S-030	7861834	448094	Tgd	<5	<0.1	37	<2	92	6	11	<2	<0.01
Camiña	S-031	7861889	448100	Kc(i)	<5	0.3	14	3	10	6	21	<2	<0.01
Camiña	S-032	7861990	448095	Tgd	<5	0.1	24	13	57	6	17	<2	<0.01
Camiña	S-034	7862497	447861	Tgd	<5	0.1	46	5	78	7	10	<2	<0.01
Camiña	S-036	7862865	447842	Kv(i)	<5	<0.1	45	7	70	7	10	<2	<0.01
Camiña	S-037	7862881	447979	Kv(i)	<5	<0.1	25	<2	16	27	6	<2	<0.01
Camiña	S-039	7861502	448170	Qz. Vein	<5	0.1	12	<2	11	4	9	<2	<0.01
Camiña	S-040	7861620	448337	Kc(i)?	<5	0.2	24	3	26	8	119	<2	0.012
Camiña	S-041	7861526	448656	Tgd	<5	<0.1	20	9	48	8	7	<2	<0.01
Camiña	S-042	7861390	448745	Tgd	<5	0.1	9	15	49	8	13	<2	<0.01
Camiña	S-043	7861725	449170	Tgd	<5	0.1	44	5	60	6	14	<2	<0.01
Camiña	S-044	7861982	449191	Kv(i)	<5	<0.1	26	<2	9	4	13	<2	0.011
Camiña	K-071	7863668	451745	Kv(i)	<5	0.1	62	7	31	<2	17	<2	0.010
Camiña	K-072	7862975	451729	Kv(i)	<5	0.1	16	17	68	3	88	<2	0.057
Camiña	K-075	7863144	451795	Kv(i)	<5	<0.1	14	6	25	4	<5	<2	0.011
Camiña	K-077	7862780	450576	Kv(i)?	<5	<0.1	59	<2	27	<2	<5	<2	<0.01
Camiña	K-079	7862282	449835	Tgd	<5	0.1	22	4	29	3	15	<2	<0.01
Camiña	K-080	7862219	449690	Tgd	<5	0.6	47	14	19	4	<5	<2	0.036
Camiña	K-083	7862021	449200	Tgd	<5	<0.1	22	12	78	3	<5	<2	<0.01
Camiña	K-085	7862029	449174	Tgd?	<5	<0.1	41	15	92	4	<5	<2	<0.01
Camiña	K-087	7862128	449069	Tgd	<5	<0.1	41	11	61	6	<5	<2	<0.01
Camiña	K-088	7862128	449069	Tgd	<5	<0.1	34	16	59	5	10	<2	<0.01
Camiña	K-091	7861802	448696	? (alt. r.)	<5	<0.1	10	<2	6	4	<5	<2	<0.01
Camiña	Q-068	7866600	459341	Tgd	<5	<0.1	62	4	64	4	6	<2	0.013
Camiña	Q-069	7865727	459265	Kv(i)	<5	<0.1	183	7	31	5	245	2	0.029
Camiña	Q-074	7867320	459234	Kv(i)	6	0.6	60392	<2	51	<2	<5	<2	0.029
Camiña	Q-080	7866602	459347	Tgd	<5	<0.1	95	6	55	3	25	<2	0.014
Camiña	Q-081	7866518	459453	Kv(i)	<5	<0.1	84	14	53	4	40	<2	<0.01
Camiña	Q-083	7866303	459185	Kv(i)	<5	<0.1	10	<2	46	<2	10	<2	<0.01
Camiña	Q-084	7865806	459233	Kv(i)	<5	<0.1	34	<2	45	<2	56	3	<0.01
Camiña	Q-085	7865691	459273	Kv(i)	24	<0.1	18	13	162	<2	39	<2	<0.01
Camiña	Q-086	7864950	458524	Kv(i)	<5	<0.1	64	14	61	<2	29	<2	0.013
Camiña	Q-087	7864960	458417	Kv(i)	<5	0.1	81	24	72	<2	171	6	0.015
Camiña	Q-088	7864931	458408	Kv(i)	<5	0.3	69	138	70	6	254	4	0.020
Camiña	Q-090	7864526	457548	Kgd?	<5	0.3	80	3	40	3	144	<2	<0.01
Camiña	Q-091	7864517	457433	Kv(i)	<5	0.2	115	39	92	<2	18	<2	<0.01
Camiña	Q-092	7864421	457303	Kv(i)	<5	0.1	108	<2	40	<2	21	<2	0.011
Camiña	Q-093	7864231	457259	Tgd	8	0.1	128	<2	51	<2	49	<2	<0.01
Camiña	Q-094	7864166	457248	Tgd	<5	<0.1	38	15	63	<2	28	3	<0.01
Camiña	Q-095	7864554	456733	Kv(i)	<5	0.1	36	11	33	<2	31	<2	<0.01
Camiña	Q-097	7864627	456528	Kv(i)	<5	<0.1	58	19	79	<2	83	<2	<0.01
Camiña	Q-098	7864426	456312	Kv(i)	<5	0.1	52	<2	39	3	49	3	0.014
Camiña	Q-100	7864601	455747	Kv(i)	<5	0.1	69	<2	96	<2	52	<2	0.010
Camiña	Q-103	7863605	452918	Kv(i)	<5	0.2	33	9	32	<2	88	<2	0.014
Camiña NE	S-028	7887307	470985	Tig	<5	0.1	35	17	11	7	105	<2	0.035
Camiña NE	K-065	7886149	476636	Qv	<5	<0.1	4	8	2	3	<5	<2	0.018
Tignamar NW	T-058	7878962	428141	Qv	<5	<0.1	43	12	41	<2	23	<2	<0.01
Tignamar NW	K-093	7932344	456511	? (alt. r.)	<5	0.2	18	75	2	<2	<5	<2	0.232
Tignamar NW	K-098	7931115	457849	? (alt. r.)	<5	0.1	65	54	15	3	37	2	0.081
Tignamar NW	K-101	7931603	453337	Qv	<5	0.1	90	36	35	8	<5	<2	0.060
Tignamar NW	Q-117	7937875	451397	Qv	<5	0.3	18	10000	62	5	8284	4	0.043
Tignamar NW	Q-118	7937809	451504	Qvr	<5	0.2	48	22	171	<2	69	<2	0.029
Tignamar SE	K-106	7911668	467808	? (alt. r.)	<5	0.1	15	26	31	<2	<5	<2	<0.01

AP-7 Results of Geochemical Analysis of Rock Samples (Phase 3 Surface survey) (3)

Locality	Sample No.	Coordinate		Geology	Au	Ag	Cu	Pb	Zn	Mo	As	Sb	Hg
		N	E		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Tignamar SE	Q-126	7912187	476080	Qv	<5	0.1	8	170	10	<2	641	40	0.226
Tignamar SE	Q-127	7913169	477389	Qv	<5	0.3	54	15	47	<2	951	<2	0.029
Putre S	T-069	7972326	443595	Tgd	<5	0.1	8	13	10	<2	8	<2	0.019
Putre S	T-070	7972567	443864	Tgd	<5	0.1	21	19	7	4	<5	<2	0.037
Putre S	T-089	7972486	441976	Tgd	<5	<0.1	7	5	16	<2	<5	<2	0.013
Putre S	T-090	7972558	441987	Tgd	<5	<0.1	10	8	11	3	19	<2	0.029
Putre S	T-091	7973248	442211	Tgd	<5	<0.1	7	10	11	4	6	2	0.012
Putre S	T-092	7973726	442427	Tgd	<5	0.1	9	29	<1	<2	30	<2	0.013
Putre S	K-121	7972574	443573	Kv(s)	6	<0.1	6	23	8	5	<5	<2	<0.01
Putre S	K-124	7972667	443823	? (alt. r.)	<5	0.2	230	31	293	5	<5	3	0.212
Putre S	K-126	7973202	444237	? (alt. r.)	<5	<0.1	51	9	45	6	<5	2	0.017
Putre S	K-129	7973472	445092	Tgd	<5	<0.1	81	22	110	5	87	3	<0.01
Putre S	Q-154	7972144	443001	Tgd	<5	<0.1	42	7	97	<2	6	<2	<0.01
Putre S	Q-155	7972210	443064	Tgd	<5	0.1	39	7	56	<2	31	<2	0.045
Putre S	Q-156	7972531	443018	Kv(s)	<5	0.2	20	<2	15	<2	44	3	<0.01
Putre S	Q-162	7972860	443250	Tgd	6	0.1	111	14	5	<2	7	2	0.020
Putre	K-110	7980163	439311	Tgd?	<5	0.1	15	24	13	6	<5	<2	<0.01
Putre	Q-131	7991785	452061	Qvr	<5	<0.1	29	17	48	<2	79	3	0.021
Putre N	K-117	8017330	429848	? (alt. r.)	<5	<0.1	7	172	3	5	<5	3	0.094
Putre SW	K-112	7960969	419899	Kgd	<5	0.1	26	19	22	3	<5	<2	<0.01
Putre W	T-093	7982502	423433	Tgd	<5	0.1	48	6	16	15	6	2	0.017
Putre W	T-094	7982487	423425	Tgd	8	0.2	157	3	6	14	27	2	<0.01
Putre W	T-096	7982370	423675	Tgd	<5	0.4	66	14	29	12	15	<2	0.014
Putre W	K-134	7975777	426378	Tgd	<5	0.1	45	12	51	4	7	<2	<0.01
Putre W	K-135	7975802	426368	Kv(i)?	14	0.1	204	10	51	4	<5	2	<0.01
Putre W	K-136	7975802	426368	Kv(i)?	14	0.7	29	12	30	3	<5	2	<0.01
Putre W	K-138	7975913	426340	Tgd	<5	0.1	205	14	36	3	<5	<2	<0.01
Putre W	K-141	7975642	426587	Tgd	<5	8.2	6305	12	65	4	<5	<2	0.016
Putre W	K-143	7975231	426572	Tgd	6	3.9	2091	116	70	5	7	2	0.041
Putre W	K-155	7981042	427199	Tgd	293	0.8	21663	17	12	6	<5	2	0.046
Arica E	K-146	7958405	417090	Tgd	272	11	4178	199	181	29	189	6	0.099
Arica E	K-148	7958275	417102	Kgd	211	10.7	1628	262	353	4	108	<2	0.073
Mamiña SE	S-004	7780674	480766	Tgd	<5	0.2	201	7	73	9	14	2	0.022
Mamiña SE	S-009	7780144	481183	Tgd	<5	0.1	54	9	90	4	44	2	<0.01
Collarapo (Guavina)	K-018	7800247	488756	Tgd	<5	<0.1	20	<2	72	3	<5	2	<0.01
Poroma (Guavina)	K-019	7800789	487417	Jm(s)	<5	<0.1	19	5	34	3	<5	<2	<0.01
Poroma (Guavina)	K-023	7802976	481200	Kv(i)	<5	0.2	7	15	20	<2	<5	7	4.216
Poroma (Guavina)	K-025	7802971	481276	Jm(s)?	<5	<0.1	14	5	16	<2	<5	9	0.574
Cascaya (Guavina)	K-020	7803875	487116	Kv(i)	<5	0.6	24	42	151	4	1544	7	0.021
Chapiquiña	T-083	7969423	441725	Kv(s)	<5	<0.1	26	5	16	<2	19	<2	<0.01
Chapiquiña	T-084	7970601	441612	Kv(s)	<5	0.1	8	13	49	<2	10	<2	<0.01
C.Socora	T-050	7871068	481205	Qvr	<5	<0.1	44	<2	10	6	1007	<2	0.066
C.Socora	T-051	7870107	481339	Qvr	<5	0.1	35	14	9	4	28	<2	0.367
C.Pumiri	T-043	7873958	477210	Qv	<5	<0.1	25	8	5	8	344	7	2.953
C.Pumiri	T-045	7873675	477802	Qv	<5	0.1	96	13	9	9	18	3	0.012
C.Pumiri	T-046	7873162	478320	Qvr	<5	0.1	8	<2	3	4	<5	<2	0.013

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LK-000	Cerro Colorado	7783799	473117	K201	X,F	Tgd	Cu ore							Cu		diss	Cu-ox.	cu-ox			qz	s	wt	ser., ka., al.	f		grn	Cu-ox.				Cerro Colorado mine, open pit
LK-001	Chacarilla	7718143	489915			Jm(s)	Ss	grey			m	m	N65E 62NW																		Photo 1
LK-002	Chacarilla	7718122	488928			Jv(i)	And?	dk. green		hem.	h	l																			massive, fresh, Photo 3
LK-003	Chacarilla	7717901	489213	K001		Kgd?	Granitoid	white	2-3 mm	hol.-gra.	m	m										m	wt	ser.	f						Photo 1
LK-004	Chacarilla	7709494	478764			Tig	Ignim	red. brown	2-3 mm	gl-hem.	h	l																			litic frag., fresh, Photo 1
LK-005	Ujina	7692268	542162	K002		Qv	Bs	black		gl-hem.	h	m	N30W 45SW																		flow struc., fresh, Photo 2
LK-006	Ujina	7688279	543584			Qv	And	grey	1-2 mm	holo.	m	m										s	wt	ser.?	f						Photo 4
LK-007	Ujina	7686186	543878			Qv	And	grey	1-2 mm	holo.	h	l										s	wt	ser.?	f						flow struc.
LK-008	Ujina	7685053	544497			Qv	And	grey	1-2 mm	holo.	h	l										s	wt	ser.?	f						
LK-009	Ujina	7683769	545393			Qv	And-Bs	grey-black	1-2 mm	holo.	h	m										s	wt	ser.?	f						flow struc. poor, fresh
LK-010	Ujina	7680794	543264			Tig	Ignim	grey	1-3 mm	gl-hem.	m	m										s	wt	ser.	f						litic frag., non-poorly welded
LK-011	Ujina	7697674	539552			Qv	And?	black		gl	h	l																			flow struc. poor, massive
LK-012	Ujina	7700277	538607			Qvr	pum Tf	white	1-3 mm	gl-hem.	s	h										s	wt	ser.?	f						non welded
LK-013	Mamina	7763781	495168			Tig	Ignim	white	2-4 mm	gl-hem.	m	m										s	wt	lim., ser.	f						flow struc.
LK-014-1	Mamina	7769963	493736	K003		Tgd	Po	dk. grey	2-4 mm bi	por.	h	l		por. Cu		diss., vein	cp, Cu-ox.	cu-sul			qz, tour	s					grn	Cu-ox.		cp		qz vein with sul., qz-tour vein, Photo 1
LK-014-2	Mamina	7769963	493736	K004		Tgd	Po	pl. grey-white	1-2 mm bi	por.	h	l	brecciated porphyry	por. Cu		ntwk, vein, diss	cp, py	cu-sul		5-10	qz, tour	m	wt	Si, tou	s		grn	Cu-ox.		cp		abun. qz-tour vein with sul., Photo 4
LK-015	Mamina	7770223	493069			Kgd	Gd	pl. grey-white	2-3 mm	gra.	m	m		por. Cu		diss.	Cu-ox.	cu-ox				m	wt	ser.?	f		grn	Cu-ox., lim.				adit, Photo 1
LK-016	Mamina	7770279	493003			Kgd	Gd	pl. grey	2-3 mm	gra.	h	l		por. Cu?		diss., vein	py	p				s	wt	ser.?	f			lim.				relatively fresh with poor xenolith, Photo 2
LK-017	Mamina	7770159	492881			Kgd	Gd	pl. grey-white	2-3 mm	gra.	m	m		por. Cu?		diss., vein	py	p		5-10	qz, tour	m	wt	qz, tou, py, ser.	f		yel-brwn	lim.		py		altered gd., abun. tour-qz-py vein, py-qz vein, Photo 2
LK-018	Mamina	7770040	492847			Kc(i)?	metased.	dk. grey			m	m	laminated	por. Cu?		diss., vein	py, tour	p		5-10	qz, tour	m	dk. gry	tou, py	tou		wt, brwn	lim., sulfo.		py		metased. with diss. py, tour, Photo 3
LK-019	Mamina	7769148	493757			Kc(i)?	metased.	dk. grey			m	m		por. Cu?		diss.	Cu-ox.	cu-ox		5-10	qz	s		lim	o		grn	Cu-ox.				metased. with qz vein
LK-020	Mamina	7767791	494173			Tig	Ignim	dk. grey	2-3 mm	gl-hem.	h	m																			weak welded, columar joint, litic frag., Photo 1
LK-021	Mamina	7766305	493791			Kc(i)?	Ss?	pl. grey			h	l	weak laminated									s	wt	Si?							Photo 1
LK-022	Mamina	7764990	494333			Kgd	Gd	grey	2-3 mm	gra.	h	l																			xenolith 10-20cm
LK-023	Copaquiri	7679948	520917	K-011	D,T,R	Pzg	Di	dk. grey	2-3 mm	gra.	h	l	300±7 Ma																		fresh, 1 N37w28W, 2 N8W35W, 3 N10E26W
LK-024	Copaquiri	7678807	524024			Kv(m)	Rhy	dk. grey	2-4 mm qz	holo.-por.	h	l																			
LK-025	Ujina	7681321	531544	K005	X,F	Tgd	Po	pl. grey	3-5 mm pl	por.	h	l		por. Cu		diss., vein	cp, py, mo, cc	m		5-10	qz	m	wt	ser., kf, ka	f		grn	Cu-ox.				Rosario hidden porphyry, about 250 m lower level
LK-026	Ujina	7679299	537701	K006	X	Tgd	Po	white	2-3 mm	por.	s	h		por. Cu		diss.	cc	cu-sul		5-10	qz	s	wt	ser., kf, ka	f							Ujina porphyry, openpit base
LK-027	Copaquiri	7680883	518430			Kv(m)	And?	grey	2-3 mm qz, pl	gl-hem.	m	m										s		ser.	f							volcanic rock with litic frag.
LK-028	Quehuita	7675427	524818			Kv(m)	Rhy	grey	2-4 mm qz, pl	gl-hem.	h	l										s-m	wt	ser.	f							
LK-029	Volcan Mino	7675138	527336			Kv(m)	Bs?	dk. green	1-2 mm pl	gl-hem.	m	m										s	grn	chl.	p							mafic volcanic rocks with qz veinlets
LK-030	Volcan Mino	7674518	527157			Qcp	pum Tf	white	2-3 mm qz, 1 mm bi	gl	s	h																				pumice 1-2 cm, litic frag. 1-2 cm
LK-031	Trinidad	7674493	527096	K007	F	?	alt rock	white			s	h		vein		vein, ntwk	hem	o		2-3	qz, hem	s	wt	ser., sm.?	f			lim.				irregular qz vein in strongly alt. rock
LK-032	Volcan Mino	7674136	527769			Kgd	Gd	grey	max. 20 mm hb, 4-6 mm pl	gra.	h	l																				fresh horn-gd
LK-033	Volcan Mino	7675508	530622			Jv(i)	rhy?	grey	2-3 mm qz	gl-hem.	h	l																			
LK-034	Volcan Mino	7675970	531626			Kv(m)	And	dk. grey	1-2 mm pl	gl-hem.	h	l										s	pl. gry	ser.?	f						
LK-035	Volcan Mino	7674676	533991	K008		Jv(i)	And?	dk. grey	2-4 mm pl	holo.-por.	h	l										m	grn	chl., ep	p						flow struc., lava
LK-036	Volcan Mino	7674823	536704	K009		?	silicified rock	white			h	l					bk. min. <1 mm					s	wt	qz. ser., (ka)	f						massive, no porous, little white clay
LK-037	Volcan Mino	7674832	536759			Kv(m)	And	grey	2-4 mm pl	holo.-por.	h	l										s	wt	ser.?	f						abun. litic frag. (dk. grey, sus. 26.6)
LK-038	Volcan Mino	7675901	537149			Kv(m)	And	grey-green	2-4 mm pl	gl-hem.	m	m										s	grn	chl.	p						
LK-039	Volcan Mino	7676248	537836			Kv(m)	Rhy?	grey	2-3 mm qz, pl	gl-hem.	h	l																			massive lava, poor litic frag.
LK-040	Volcan Mino	7675643	538113	K010		Kgd	Gd	grey	2-4 mm pl, hb	gra.	h	l																			xenolith 2-6 cm
LK-041	Volcan Mino	7675414	538593			Tig	Ignim	white	2-5 mm pl, 1-2 mm bi, 2-2 mm qz	gl-hem.	v.s	h	pl>bt, qz									s	wt	ser.?	f						porous, poor welded, massive, poor litic frag.
LK-042	Volcan Mino	7675869	541595			Tig	Ignim	white	2-5 mm pl, 1-2 mm bi, 2-3 mm qz	gl-hem.	m	m										s	wt	ser.?	f						poor welded, poor litic frag.
LK-043	Ujina	7678267	543060			Tig	Ignim	white-pl. grey	2-4 mm pl, 1-2 mm bi, 2-4 mm qz	gl-hem.	m	m										s	wt	ser.?	f						poor welded, red litic frag. 1-2 cm
LK-044	Ujina	7679430	541888			Tig	Ignim	white-pl. brown	2-8 mm pl, 1-2 mm bi, 2-5 mm qz	gl-hem.	m	m										s	wt	ser.?	f						poor welded, red litic frag. Meso. Vol.
LK-045	Guavina	7798645	495695			Jm(s)?	alt rock	white-pl. grey			h	l										s	wt	qz, ser.	f			lim.			partly highly silicified rock, no porous, Photo 1
LK-046	Guavina	7798369	495756			Tgd	Gd	white-pl. grey	2-4 mm pl, 1-3 mm bi, 1-3 mm qz	gra.	h	l																				poor xenolith max. 20cm, Photo 1
LK-047	Guavina	7798541	495575	K012		?	mt-hem vein	black			s	m		vein?	6-7 m width	massive	mt, hem	o										lim.			N28W elonged, host rock: ganodiorite, Photo 1
LK-048	Guavina	7796603	495444			Tgd	Gd	white	2-4 mm pl, 1-3 mm bi, 1-3 mm qz	gra.	m	m										m-s	wt-grn	ser., chl.	f						altered gd., partly brecciated (matrix chl.)
LK-049	Guavina	7796585	495369			Kv(m)	And?	pl. grey	2-5 mm pl, 1x 5 mm hb	holo.-por.	h	l	phenocryst rich, pl.>horn.									s	grn	chl.	p						diorite?, poor mafic xenolith 2 cm, Photo 1
LK-050	Guavina	7794754	495561			Kv(m)	And	grey	2-5 mm pl, 1x 6 mm hb	holo.-por.	h	l										s	grn	chl.	p						diorite?, poor mafic xenolith 1-2 cm, onion weathered struc.
LK-051	Guavina	7793632	494357	K013		Jm(s)	Ss, Cgl	pl. grey			h	l																			Photo 2
LK-052	Guavina	7792966	492678			Jm(s)	alt Ss. & Tuff (Cgl)	pl. brown			h	l																			
LK-053	Guavina	7792362	492358	K014		Jm(s)	red Tuff, Ss	red-brown			s	m																lim.			N28W50E, Photo 1
LK-054	Guavina	7790699	490807			Tig	Ignim	pl. brown	1-2 mm bi, 1-2 mm qz	gl-hem.	h	l																			massive, poor calcite vein, Photo 1
LK-055	Guavina	7790433	490583	K015		Tig	Bs	black	1x3 mm pl	gl	m	m	bs obsidian																		massive, poor welded, litic frag. 2-5 cm
LK-056	Guavina	7790396	488986	K-016	D,T,R	Tgd	Gd	grey	2-4 mm pl, hb	gra.	h	l	44.6±1.1 Ma																		massive lava, partly obsidian, columar joint, fresh, thickness 6-10 m, Photo 1
LK-057	Guavina	7790412	487378			Tig	Bs	black		gl	h	l																			partly pegmatitic druse 10x200 cm tour &qz, 1 N30W39SW, 2 N60E17SE, 3 N8E30W
LK-058	Guavina	7790534	486426			Tig	Ignim	brown	1-2 mm bi, 2-3 mm qz	gl	h	l																			massive lava. columar joint, fresh
LK-059	Guavina	7788600	481502			Kv(i)?	Tuff or tfa Ss,	pl. green			m	m																			massive, poor welded, litic frag. abundant, Photo 2
LK-060-1	Mamina	7787753	479516	K017		di (Post-K)	And	pl. green	1-2 mm pl	gl-hem.	m	l																			
LK-060-2	Mamina	7787753	479516			Kv(i)	volcaniclastics	green or reddish brown			s	m										s	grn	chl.	p							massive, thick 100 m+
LK-061	Guavina	7800271	495018			Jm(s)?	Bs	dk. grey-black		gl	h	l										s	red, grn	chl.	p						dike rock, N82E, Photo 2
LK-062	Guavina	7799946	494586			Tgd	Gd	pl. grey	2-8 mm pl, 3x 6 mm hb	gra.	h	l	pl.>horn.																		host of dike rock, well bedded
LK-063	Guavina	7799269	492840			Kv(m)?	fine tfa Ss	pl. green			h	l																			bedded, massive lava, partly brecciated
LK-064-1	Guavina	7798876	491377			Kv(m)	Vol-bre	grey-green	2-4 mm pl	gl-hem.	m	m										s-m		ser.	f		brwn	lim.			massive, xenolith 4x5cm, weathering?
LK-064-2	Guavina	7798876	491377			Kv(m)	Tuff	red-pl. red			m	m																			massive sediments
LK-065	Guavina	7800247	488756	K018	G	Tgd	Di	dk. grey	1-2 mm pl	gra.	h	l				diss.	py	p													massive, Photo 1, breccia max.20 cm
LK-066	Guavina	7800674	484314			Tig	perlite-obsidian, ign.	black-red. brown	2-5 mm qz	gl	h	h																			laminated
LK-067	Guavina	7801871	480424			Tig	perlite-obsidian, ign.	red. brown	2-3 mm qz	gl	h	h																			massive, fresh, poor qz vein, poor mafic xenolith 5-10 cm
LK-068	Guavina	7800548	487064			Tig	Ignim	red. brown	2-3 mm qz	gl	m	h																			perlite bed 1-3 m, ignimbrite, flow st., litic frag. max 20 cm, partly welded, Photo 2
LK-069	Guavina	7800819	487364			Kv(m) or Kv(i)	And	pl. green	1-2 mm pl	gl-hem.	h	l	lava									s-m	pl. grn	chl., ser.	f						well bedded, strong welded, litic frag. 7-8 cm
																																poor welded, well bedded, litic frag. 7-8 cm
																																weathered?, columnar joint, in red tuff, Photo 2

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LK-070	Guavina	7800789	487417	K019	G	Jm(s)	vol Ss	red. brown			m	m										s		tou, chl.?	p							tour. diss. partly vein, Photo 1
LK-071	Guavina	7800179	489993			Jm(s)	grn fine Ss.	green			h	l																				well bedded, alternation red vol. ss.
LK-072	Mamina	7785094	476113			Tig	Ignim	red. brown		gl-hem.	h	l																				massive, poor litic frag. 1-5 cm
LK-073	Mamina	7782655	475500			Kv(i)?	And	grey	1-3 mm pl	gl-hem.	h	l	lava									s	grn	chl.	p							massive, overlie volcaniclastic rock
LK-074	Mamina	7781963	476748			Tig	pum Tf	pl. pink			s	h																				pumice 2 cm, high type qz, litic frag. >4 cm
LK-075	Mamina	7781065	476741			Tig	Ignim	pl. pink	1-2 mm qz	gl	h	m																				massive, strong welded, litic frag. max. 7 cm (obsidian, perlite)
LK-076	Guavina	7804139	487620			Kv(m)	And	green	2-7 mm pl	gl-hem.	h	l	lava									s	grn	chl.	p							overlie red sediment, phenocryst rich, litic frag. poor max. 15 cm
LK-077	Guavina	7803869	487148			Kv(i)	vol Cgl	green			h	l										s	grn	chl.	p							calcite vein poor max. 10 cm, Photo 1
LK-078	Guavina	7803875	487116	K020	G	Kv(i)	And	white		gl	h	l	lava			diss.	py	p			cal	s	wt	ser., qz	f		brwn	lim.				columnar joint, Photo 2
LK-079	Guavina	7803899	485750			Kv(i)	Vol-bre	red. brown			m	m																				breccia max. 10-20 cm
LK-080	Guavina	7803463	482145	K021	O	Kv(i)	Vol-bre	black			m	m			5-10 cm	vein	Cu-ox.	cu-ox		N85W90	cal, gt?	s				weathered	grn	Cu-ox.				calcite vein with Cu-ox, lim., Photo 1
LK-081	Guavina	7803222	481517	K022		Kv(i)	Vol-bre	red. brown			s	m				vein	Cu-ox.?	cu-ox			cal	s	grn	chl.	p		grn	Cu-ox.?	lim.			calcite vein with hem, Cu-ox.?, lim.
LK-082	Guavina	7802976	481200	K023	G	Kv(i)	alt vol r	white	1-2 mm qz		h	l						o				s	wt	ser.	f			lim.			strongly altered rock, volcanics
LK-083	Guavina	7803607	484933			Kv(i)	Tf-bre	green-black			m	m										s	grn	chl.	p							breccia poor
LK-084	Guavina	7803536	482893	K023		Kv(i)	vol Cgl	pl. green			m	m			4-5 cm	vein	Cu-ox.?	cu-ox		N40E90	cal	s	grn	chl.	p		grn	Cu-ox.?				calcite vein with Cu-ox.?, 3 vein
LK-085	Guavina	7803461	481846	K024		Kv(i)	vol Cgl	red. grey			m	m				vein, diss?	Cu-ox.?	cu-ox		N70W75N	cal	s	grn	chl.	p		grn	Cu-ox.?				diss.
LK-086	Guavina	7803382	481785			Jm(s)?	altn Ss & Ms	grey			h/s	l/h																				alt. hard/soft, dip 40-50 deg.
LK-087	Guavina	7802971	481276	K025	G,X	Jm(s)?	altn Ss & Ms	white			h	l				diss.	py	p				s	wt	ser., qz	f		yel, brwn	lim.				no porous, massive
LK-088	Guavina	7802881	481199	K026		Tig?	alt Ignim.?	white	2-5 mm qz		s	m						o				s	wt	ser.	f		brwn	lim.				no porous, bedded struc.
LK-089	Guavina	7802860	481093	K027		Tig?	alt Ignim.?	white	2-4 mm qz		s	m						o				s	wt	ser.	f		brwn	lim.				no porous, bedded struc.
LK-090	Pachica	7801483	461335	K028		Kgd	Di	dk. green	1-2 mm	hol-gr.?	h	l																				massive
LK-091	Pachica	7803067	457615			Tig	Ignim	red. brown	2-3 mm qz	gl	h	l																				poor
LK-092	Chusmisa	7829894	475226			Kv(i)	Tf-bre	pl. green			m	m										s	grn	chl	p							tuff bre. or conglo., bre. 1-10 cm
LK-093	Chusmisa	7829852	475589			Kv(i)	Tf-bre	pl. green			m	m										s	grn	chl	p							tuff bre. or conglo., bre. 1-10 cm
LK-094	Chusmisa	7829873	475851			Kv(i)	Tf-bre	pl. green			m	m										s	pl. grn	chl	p							tuff bre. or conglo., bre. 1-10 cm
LK-095-1	Chusmisa	7829862	475941	K029		Kv(i)	Rhy	white-pl. grey	1-3 mm qz	gl	h	l						o				s-m?	wt	ser?	f			lim.				weak flow struc., dip 60-70
LK-095-2	Chusmisa	7829862	475941			Kv(i)	And	black	1-4 mm pl	gl	h	l	lava																				boundary fault?, NS90
LK-096	Chusmisa	7829846	476097			Kv(i)	Rhy	white-pl. grey	1-2 mm qz	gl	h	l	lava									s?	wt	ser?	f							many litic frag. 0.1-1 cm, flow struc.
LK-097	Chusmisa	7829925	476252			Tig?	Ignim	red	1-3 mm qz, 2-7 mm pl	gl	h	l																				thin red ignim. 2 m?, massive, litic frag., weakly welded
LK-098	Chusmisa	7829984	476607			Kv(i)	and Tf-bre	dk. grey-black			h	l																				tuff bre., bre. 0.5-10 cm, litic frag.
LK-099	Chusmisa	7829965	476779	K030		Tgd	G	white	1-3 mm qz, 1-2 mm bi.	gra.	h	m						o				s-m	wt	ser?	f			lim.				weathered gr., onion struc.
LK-100	Chusmisa	7829890	476893	K031	G	Tgd	Gd	white-pl. grey	2-4 mm hb, 1-2 mm bi., 1-3 mm pl	gra.	h	l						o				s-m	wt	ser, chl	f			lim.				weathered gd., aplite vein N28E85E
LK-101	Chusmisa	7831338	482563	K032	G	Tgd	Gd/Di	dk. grey	2-4 mm hb, 1-2 mm pl	gra.	h	l			4-6 mm	vein	py	p			qz, ep, Kf?						brwn	lim.				qz irregular vein with sulfide
LK-102	Chusmisa	7831312	482601	K033	T	Kv(i)?	meta-Ss	black			h	l				diss.	py	p				s?	bk	silica?			brwn	lim.				massive partly brecciated, partly skarn (gt?, ep), hornfels?
LK-103	Chusmisa	7831489	482353			Tgd	Gd/Di	dk. grey-green	2-4 mm hb, 1-3 mm pl	gra.	h	l						o				s	brwn		o		brwn	lim.				weakly weathered, poor mafic xenolith max. 3 cm
LK-104	Chusmisa	7831166	482732	K034	G	Kv(i)?	silicified rock	black-green			h	l			1-5 mm	vein, diss.	py	p		5-10	qz	s	bk-grn	silica	s							basaltic rock origin?
LK-105	Chusmisa	7831235	482912	K035		Tgd	Gd	pl. green	1-3 mm hb, 2-4 mm qz	gra.	h	l			1-2 mm	vein	py	p		5	qz, tour	s-m	wt	chl.	p		brwn	lim.				qz-tour irregular vein with sulfide, ep in fissure plane
LK-106	Chusmisa	7831200	482949	K036		Tgd	qz-tou rock	black, white		gra.	m	m-h			min. 5-6 m	vein?					qz, tour	m	wt	ser., ka.?	f							massive, porphyritic
LK-107	Chusmisa	7831310	482988	K037		Tgd	qz-tou rock	dk. grey-black			h	l				replacement?		o			qz, tour	s	dk. gry	silica, tou	s		brwn	lim.		sulfide		massive, siliceous, lim. rich, bedded struc.
LK-108	Chusmisa	7831277	483036	K038	G,T	Kv(i)?	meta-Silts	black			h	l										s?	bk	silica?								massive, partly qz-tour vein with 1-2 cm, hornfels?, bedded struc., mt.?
LK-109	Chusmisa	7831135	483114			Tgd	Gd	pl. grey	2-3 mm hb, 2-5 mm pl	gra.	h	m										s	pl. grn	chl	p							moderate weathered gd.
LK-110	Chusmisa	7831255	482745	K039		Kv(i)?	meta-sediments	black-green			h	l				diss.	py	p				s	bk-grn	silica	s		brwn	lim.				massive, black part and green part, hornfels?, bedded struc., mt.?
LK-111-1	Chusmisa	7830668	482745	K040	G,T	Kv(i)?	meta-vol. bre.	red, white			h	l										s?	red, wt	silica, ser	f							matrix red silceous rock, breccia granitic white qz-tour rock, boundary unclear
LK-111-2	Chusmisa	7830668	482745			Kv(i)?	Bs	dk. grey			h	l	lava																			
LK-112	Chusmisa	7830651	482700	K041	G	?	silicified rock	white			h	l						o				s	wt	qz, ser, ka?	f		brwn	lim.				massive partly porous
LK-113	Chusmisa	7830584	482677			Qv?	Bs	dk. grey	1-5 mm pl	gl-hem.	h	l																				massive, relatively fresh, weakly weathered
LK-114	Chusmisa	7830545	482820	K042		Kv(i)?	meta-volcanics	pl. pink	1-3 mm qz	gl?	h	l										s?		silica?								sil. rock or fresh rhy., litic frag. max. 4-5 mm, welded?
LK-115	Chusmisa	7831003	482827			Kv(i)?	silicified rock	dk. grey-black			h	l						o				s	dk. gry-bk	silica	s			lim.				massive, hornfels?
LK-116	Chusmisa	7830809	482955	K043	G	?	silicified rock	dk. grey-black			h	l										s	dk. gry-bk	silica	s							massive
LK-117	Chusmisa	7830592	482948			Kv(i)?	silicified rock	white-pl.grey			h	l						o				s	wt	silica	s		brwn	lim.				brecciated
LK-118	Chusmisa NE	7832260	502852	K044	G,X	Qv?	alt vol r	white-pl.grey			s	m-h						o				s	wt	ser., ka.?, Si	a		brwn	lim.				strongly alt. rock, vol. tex. remain
LK-119	Chusmisa NE	7832239	502903	K045		Qv?	alt vol r	white	1-3 mm qz		s	m						o				s	wt	ser., ka.?	a		brwn	lim.				strongly alt. rock
LK-120	Chusmisa NE	7832317	503004	K046		Qv?	alt vol r	white			s	v. h						o				s	wt	ser., ka.?	a		brwn	lim.				pumice like, strongly alt. rock
LK-121	Chusmisa NE	7832414	502974	K047		Qv?	alt Tf-bre	reddish			s	h										s	reddish wt	ser., ka.?	a							strongly alt. rock
LK-122	Chusmisa NE	7832349	503039	K048		Qv?	alt vol r	white, yellow			v. s	v. h				diss	native S	s				s	wt, yel	ser., ka.?, S	a							adit, pumice like, strongly alt. rock
LK-123	Chusmisa NE	7832535	503229	K049		Qv?	alt vol r	white-pl.grey			m	m										s	wt-pl.gry	ser., ka.?, Si	a							weakly silicified alt. rock
LK-124	Chusmisa NE	7832684	503243	K050		Qv?	alt vol r	white			m	m										s	wt	ser., ka.?, K-mica?	a							alt. rock, mica like black min.
LK-125	Chusmisa NE	7832645	502596	K051	G	Qv?	alt vol r	grey			m	m						o				s	gry	sili, ser., ka.?	a		brwn	lim.				weakly silicified alt. rock, lim. rich
LK-126	Casiri	7828020	488308	K052	F	Unknown. i.	Gd	pl. grey	2-3 mm pl	gra.	m	m				vein?					qz											moderate weathered, Casiri mine, euhedral qz
LK-127	Chusmisa	7831236	483273	K053		Tgd	Gd	white-pl.green	1-3 mm pl	gra.	m	m						o				m	wt-pl.grn	ser., chl.	f		brwn	lim.				weathered gd, prop.
LK-128	Chusmisa	7831381	483286			Qv	Bs	black	<1 mm	gl-hem.	m	l	lava																			fresh basalt, flow struc. N56W 40NE
LK-129	Chusmisa	7831327	483399			Qv	Bs	black		gl-hem.	h	l	lava																			massive basalt
LK-130	Chusmisa	7831296	483400	K054		Tgd	Gd/tour. rock	pl green/white	1-3 mm pl	gra.	h/m	l/h										m-s	wt, bk	ser., tou., ep.	f							boundary of basalt, tour. diss. gd, prop. gd
LK-131	Chusmisa	7831278	483780			Tgd	Gd	pl. grey	1-3 mm pl	gra.	h	l						o				m-s	pl gry	ser., silica?	f		brwn	lim.		py?		weakly silicified? gd, tour. in fracture plane
LK-132	Chusmisa	7831459	484100			Tgd	Gd	pl. grey	1-3 mm pl	gra.	h	m										s	wt-pl.gry	ser?	f							weakly alt. gd
LK-133	Chusmisa	7831609	484243			Qv	Bs	black	1 mm pl	gl-hem.	h	l	lava																			fresh basalt
LK-134	Chusmisa	7831459	484324			Tgd	Gd	pl. grey	1-3 mm pl	gra.	m	m										m	pl gry	ser., chl.	f							weathered gd, boundary of basalt
LK-135	Chusmisa	7831355	484531			Qv	Bs	black	<1 mm	gl-hem.	m	m	lava																			
LK-136	Chusmisa	7831535	484930	K055	T	Tgd	G	red-black	1-2 mm bi, 1-4 mm pl	gra.	h	l										s										weakly weathered, adamerite?
LK-137	Chusmisa	7831024	484124	K056	G,T	Kv(i)?	meta-Bs	black	4-8 mm	gra.	h	l						o									brwn	lim.				metabasalt?, prophyroblast?
LK-138	Chusmisa	7830957	483863			Tgd	Gd	grey	1-3 mm pl	gra.	h	l										v. s	gry	ser., chl.	f							weakly weathered gd
LK-139	Chusmisa	7830963	483667			Tgd	G	pl. grey	1-3 mm pl	gra.	h	l																				fresh gr
LK-140	Chusmisa	7830981	483251	K057		Kv(i)?	meta-Bs	dk. grey		gl-hem.	h	l										m?	dk gry	silica?	s							silicified basaltic tuff bre., hornfels?
LK-141	Chusmisa	7831113	482896	K058	G	Tgd	tou G	white, black	1-3 mm pl	gra.	h	l										s	wt, bk	tou, ser.	f							tour gr, weakly weathered

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LK-142	Chusmisa	7831165	482738			Kv(i)?	meta-Bs	black			h	l										s?	bk	silica?								hornfels?, massive, metabasalt?, skarn vein? 1-2 cm
LK-143-1	Chusmisa	7832112	482375			Tgd	Gd	white-pl.grey	2-4 mm pl	gra.	m	m										m										weathered gd
LK-143-2	Chusmisa	7832097	482727			Tgd	Gd	white-pl.grey	2-4 mm pl	gra.	m	m										m										weathered gd
LK-144	Chusmisa	7831998	482811	K059	G,T	Tgd?	meta-G	grey			h	l						o				s	gry, reddish brwn	silica	s		brwn	lim.				silicified gd.?
LK-145	Chusmisa	7832024	483061			Tgd	G	white-grey	1-4 mm pl	gra.	m	m										m	wt									strongly weathered gr
LK-146	Chusmisa	7831703	483027			Qv	Bs	black	<1 mm	gl-hem.	h	h	lava																			fresh basalt
LK-147	Chusmisa	7831553	482976	K060	G	Tgd?	meta-Gd	white		gra.	h	l										s?	bk	silica?								silicified gd.?, boundary of silicified baselt
LK-148	Chusmisa	7831469	482830			Tgd	Gd	grey	1-4 mm pl	gra.	h	l																				weathered gd
LK-149	Chusmisa	7831424	482757	K061	T	Kv(i)?	Granulite	black-dk. grey			h	l										s?	bk	silica								hornfels?, massive, skarn vein? 1-2 cm
LK-150	Chusmisa	7831577	482622			Tgd	Gd	grey	1-4 mm pl	gra.	h	l																				weathered gd
LK-151	Pailca	7831865	454244			Tig	Tf-bre	pink			s	m																				ignim., tuff bre., litic frag. 1-5 cm, pumice, massive
LK-152	Pailca	7832101	453993			Tig	Ignim	pink	1-3 mm qz	gl-hem	m	m																				welded weak partly strong, massive, litic frag. poor
LK-153		7831213	449775			Tig	Ignim	brown	1-3 mm qz	gl-hem.	h	m																				welded tuff, obsidian lens
LK-154	Pailca	7833671	454206			Tig	Tf-bre	pink	1-3 mm qz	gl-hem	m	m																				ignim., tuff bre., litic frag. poor 1-5 cm, non welded
LK-155-1	Misticsa	7836951	465916	K062		Pz(s)?	dike	white	1-4 mm		h	l						o				s	wt	ser.	f		brwn	lim.				dike?, unknown rock, NS60W
LK-155-2	Misticsa	7836951	465916	K063		Pz(s)	grn schist	green			h	l																				cal. vein rich, qz vein
LK-156	Misticsa	7837869	467969	K064		Pz(s)	black Schist	green-black			m	m																				qz vein rich max 20 cm, porphyroblast lim (py?) max 8 mm
LK-157	Misticsa	7840087	469744			Kc(i)	Ss. Silts	dk. grey			h	l																				rich
LK-158	Misticsa	7840020	469166			Pz(s)	grn schist	green			h	l																				
LK-159	Camiña NE	7887555	487231			Qv	alt vol r	white	1-2 mm qz, 1-3 mm phlo.?		s	m										s	wt	ser., ka.?, K-mica?	f							strongly altered rock
LK-160	Camiña NE	7886080	484236			Qv	And	grey	2-8 mm pl, 1x6 mm hb.?	gl-hem.	m	m	lava					s				m-s	yel	lim., S	o							flow struc., partly native S diss.
LK-161	Camiña NE	7886623	480705			Qv	And	grey	2-8 mm pl	gl-hem.	h	l	phenocryst rich lava					s				m-s	partly yel	S								flow struc., partly native S diss.
LK-162	Camiña NE	7886149	476636	K065	G	Qv	alt rock	white			s	h										v. s	wt	ser., ka.?	f							strongly altered rock, partly porous
LK-163	Camiña NE	7886661	474722			Qv	Bs-And	grey-black	1-2 mm pl	gl-hem.	h	l										none-s										basalt-andesite, fresh, flow struc.
LK-164	Camiña NE	7885479	472876			Qv	Vol-bre	green-red	1-2 mm pl	gl	m	m										m	grn-red	chl., ser.	f							altered volcaniclastics
LK-165	Camiña NE	7873017	478766	K066		Qv	alt rock	white			s	h										v. s	wt	ser., ka.?	f							strongly altered rock
LK-166	Camiña NE	7873141	478702	K067		Qv	silicified rock	white			h	l						o				v. s	wt	Si	s		brwn	lim.				highly silicified rock, no porous, bedded (flow) struc.
LK-167	Camiña NE	7877477	475069			Qv	And	dk. grey	1-2 mm pl	gl-hem.	h	l																				lava, fresh, flow struc.
LK-168	Camiña	7864534	445973			Kv(i)	And	dk. grey	2-5 mm pl	gl-hem.	m	m	lava																			andesite lava
LK-169	Camiña	7864634	444399			Kv(i)	And	red	2-5 mm pl	gl-hem.	h	l	lava																			andesite lava, litic frag. 2-5 cm
LK-170	Camiña	7863978	451617	K068		Kv(i)	And	grey	1 mm pl	gl-hem.	m	m										s-m		ser.	f							weathered andesite lava
LK-171	Camiña	7864460	451448			Tig	Tuff	white		gl	s	h																				tuff with bre. 2-10 cm, ignim.
LK-172	Camiña	7863850	451933	K069		Kv(i)	Bs-And	dk. grey	1-2 mm pl	gl-hem.	h	l										v. s	grn	chl	p							massive, relatively fresh
LK-173	Camiña	7863705	451707	K070		Kv(i)	And	grey	1-2 mm pl	gl	m	m										s-m										weathered andesite
LK-174	Camiña	7863668	451745	K071	G	Kv(i)	alt rock	yellow			s	h						o				s	yel	mont?, gyp			brwn	lim.				strongly altered rock, gypsum network
LK-175	Camiña	7862975	451729	K072	G	Kv(i)	alt rock	white-yellow			s	h						o				s	wt-brwn	ser.	f		brwn	lim.				covered by conglo., no porous
LK-176	Camiña	7863084	451788	K073		Kv(i)	alt rock	pl. brown			s	h						o				s	pl. brwn-wt	ser., ka?, gyp	f		brwn	lim.				strongly altered rock, gypsum network, covered by red andesite
LK-177-1	Camiña	7863144	451795	K074			calcite v																									calcite vein, euhedral
LK-177-2	Camiña	7863144	451795	K075	G	Kv(i)	alt And	pl. grey			m	m						o				m-s	pl. gry	ser.	f		brwn	lim.				altered andesite
LK-178	Camiña	7863294	451848			Kv(i)	And	pl. red		gl-hem.	h	l	lava																			lava, massive, fresh, partly breccia contain
LK-179	Camiña	7862841	450650	K076		Tgd	G	pl. pink	< 1mm	gra?	h	l	G dike?									m-s	wt	ser.	f							dike? with width 20-30 m in grey basalt (andesite), unknown rock,
LK-180	Camiña	7862780	450576	K077	G	Kv(i)?	Bs-And	green			m	m	propylite									m	grn	chl.	p	propylite						propylite
LK-181	Camiña	7862405	450076	K078		Kv(i)?	And	green			h	m	propylite									m	grn	chl., ep.	p	propylite						propylite, andesite(breccia)
LK-182	Camiña	7862282	449835	K079	G	Tgd	Di	dk. grey	< 1mm	gra?	h	l				diss.	py	p				none-s	grn	chl.	p	along fracture	brwn	lim.		py		minor py diss.
LK-183	Camiña	7862219	449690	K080	G,T	Tgd	meta-Di	pl. grey	1-3 mm pl	gra	h	l	propylite									s-m	grn	chl., ep.	p	propylite						propylite
LK-184	Camiña	7862199	449603	K081		Tgd	Di	dk. grey	< 1mm	gra	h	l				diss.	py	p				none-s	grn	chl.	p	along fracture						minor py diss.
LK-185	Camiña	7862104	449364	K082		Tgd	Gd	grey	1 mm pl	gra	h	l										s	grn	chl.	p							
LK-186	Camiña	7862021	449200	K083	G	Tgd	Gd	green	1-2 mm pl	gra	h	l	propylite			diss.	py	p				m	grn	chl.,py	p							diss. py rich
LK-187	Camiña	7862141	449474	K-084	D,T,R	Tgd	meta-Di-po	black	1 mm pl	gra	h	l	58.1±1.9 Ma (whole r.)																			fresh, 1 N12W40W, 2 N14W46W, 3 N22W45W
LK-188	Camiña	7862029	449174	K085	G	Tgd?	Di?	green	1 mm	gra	h	l	propylite			diss.	py	p				m	grn	ser,chl. sili?	f	propylite	brwn	lim.		py		strong py diss.
LK-189	Camiña	7862023	449112	K086		?	alt rock	pl. green			m-h	l	propylite			diss.	py	p				s	grn	chl., ep.,cal.?	p	propylite						propylite, strong py diss., gypsum network
LK-190-1	Camiña	7862128	449069	K087	G	Tgd	Di	dk. grey	1-2 mm pl	gra	h	l										none-s	grn	chl.	p							
LK-190-2	Camiña	7862128	449069	K088	G	Tgd	Gd	grey		gra	h	l	propylite			diss.	py	p				m	grn	chl	p	propylite						gd. dike? in diorite, altered, Photo 1
LK-191	Camiña	7862037	449039	K089		Tgd?	alt Di	dk. green			h	l	propylite			diss.	py	p				m	grn	chl	p	propylite						altered diorite?, propylite
LK-192	Camiña	7861907	448904	K090		?	alt rock	white			m	m										s	wt	ser., gyp, sili?	f							strongly altered rock
LK-193	Camiña	7861802	448696	K091	G,X	?	alt rock	white			h	l						o				s	wt	ser., gyp, sili?	f	propylite	brwn	lim.				white siliceous rock
LK-194	Minimiñe	7888419	436418			Qvr	Ignim	reddish	1-3 mm qz, 2-8 mm pl	gl-hem	m	m-h																				bedded ignimbrite
LK-195	Minimiñe	7887358	435219			Qvr	Ignim	reddish	1-3 mm qz, 2-8 mm pl, 1-3 mm bi	gl-hem	m	m-h																				bedded ignimbrite
LK-196	Mimininni	7884032	441640			Tig	Ignim	reddish	1-3 mm qz, 2-8 mm pl, 1-3 mm bi	gl-hem.	m	m																				bedded ignimbrite
LK-197	Mimininni	7886100	440264			Tig	Ignim	pl. grey-pl. pink	1-3 mm qz, 2-8 mm pl, 1-2 mm bi	gl-hem.	m	m																				bedded ignimbrite
LK-198	Mimininni	7882966	439296			Tig	obsidian	black	2-8 mm pl	gl	h	l																				basal obsidian
LK-199	Codpa	7905269	447111			Tgd	Gd	grey	2-4 mm pl, 1-3 mm qz	gra	h	l																				weakly weath. gd
LK-200	Codpa	7905605	446013			Tgd	Qz-di	grey	2-6 mm pl, 1-3 mm qz, 1-4 mm	gra	h	l										s-m	grn	chl.	p							weak to moderately weath. qd
LK-201	Codpa	7905664	446216			Tgd	Gd/Di	grey	1-2 mm pl, 1-2 mm hb.	gra	h	l										s-m	grn	chl.	p							weak to moderately weath. di.
LK-202	Codpa	7906494	444042			Tgd	Di	dk. grey	1-4 mm pl, 1-3 mm hb.	gra	h	l				diss.	py	p				s	grn	chl.	p		brwn	lim.		py		diorite porphyry?, py in fracture
LK-203	Codpa	7907163	439105			Tig	pum Tf	white			s	m-h																				non welded pumice tuff, litic frag.
LK-204	Codpa	7908756	437436			Tig	Ignim	grey- pl. red	2-5 mm qz, 1-2 mm bi	gl-hem.	m	m																				massive ignimbrite
LK-205	Codpa	7906583	435258			Tgd	alt Qz-po bre	white	2-8 mm qz	por.	m-h	l-m						o				s	wt	ser., Si?	f		yel, brwn	lim.				strongly altered qz porphyry breccia, tour. diss. in fracture
LK-206	Codpa	7905850	435225			Tgd	Qz-po	white	6-10 mm qz	por.	h	m				diss.	py, Cu-ox	cu-ox				s	wt	ser., Si	f		grn, brwn	Cu-ox., lim.				strongly altered qz porphyry with Cu-ox., Photo 1
LK-207	Codpa	7905756	435088			Kv(i)	Bs-And	dk. green	2-3 mm pl	gl-hem.	h	l				diss.	py	p				m	grn	chl, ep, (Si)	p							fracture
LK-208	Codpa	7906456	435061			Tig?	fine Tuff	white			s	h																				
LK-209	Codpa	7913986	427442			Tig	Ignim	grey	2-6 mm qz, pl	gl-hem.	h	m																				litic frag. poor
LK-210	Tignamar NW	7934555	455806			Qvr?	pum Tf	white			s	h										s	wt	ka.?	a							pumice 2-5 cm
LK-211	Tignamar NW	7934564	455908			Qvr?	Tuff	white			s	h																				massive tuff, lower unit of K210
LK-212	Tignamar NW	7933615	456586			Qv	And	reddish	2-5 mm pl	gl-hem.	h	l	lava					o				s	brwn	lim.	o		brwn	lim.				massive lava
LK-213	Tignamar NW	7932940	456600	K092		?	alt rock	white			m-h	m						o				s	wt	ka., silica?	a		brwn	lim.				strongly altered pumice tuff?, weakly silicified

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LK-214	Tignamar NW	7932450	456508			Qv	Vol-bre	reddish	1-3 mm qz, 1-3 mm bi		m	m										s										
LK-215	Tignamar NW	7932344	456511	K093	G	?	alt rock	white			m	m						o				s	wt	ka., silica?	a		brwn	lim.				weathered vol. bre.
LK-216	Tignamar NW	7932112	456687			Qv	And	reddish	2-5 mm pl, 2-4 mm hb	gl-hem.	h	m	lava									s										massive lava
LK-217	Tignamar NW	7933006	456930	K094		?	alt rock	white			m	m										s	wt	ka	a							altered tuff bre.
LK-218	Tignamar NW	7931902	457943	K095		?	silicified r.	grey-white			h	l										s	gry-wt	silica	s							strongly silicified rock
LK-219	Tignamar NW	7931103	458521	K096		?	alt rock	white			m	m						o				s	wt	ka., silica	a		brwn	lim.				strongly altered rock, weakly silicified
LK-220	Tignamar NW	7931106	458019	K097		?	alt rock	white			s	m						o				s	wt	ka	a		brwn	lim.				strongly altered vol.
LK-221	Tignamar NW	7931115	457849	K098	G	?	alt rock	black			h	l						o				s	bk	silica, ka	a		yel	jar?				silicious vein in white-grey altered rock
LK-222	Tignamar NW	7933701	455746			Qv	And	grey	2-5 mm pl, 2-4 mm hb	gl-hem.	h	l	lava																			massive lava
LK-223	Tignamar NW	7932019	454061	K099		Qv	alt vol r	white			s	h						o				s	wt	ka	a		brwn	lim.				strongly altered vol., lava and bre.
LK-224	Tignamar NW	7931744	453708	K100		Qv	alt vol r	white			m	m										s	wt	ka	a							strongly altered vol.
LK-225	Tignamar NW	7931603	453337	K101	G,X	Qv	alt vol r	white			m	m						o				s	wt	mont., ka	a		brwn	lim.				strongly altered vol.
LK-226	Tignamar SE	7912626	467826	K102	G,X	Qv	alt vol r	white			s	h						o				s	wt	ka	a		brwn	lim.				strongly altered vol.
LK-227	Tignamar SE	7912597	467641	K103		?	silicified r.	pl. grey-white			h	m-h						o				s	pl. gry-wt	silica	s		brwn	lim.				strongly silicified rock
LK-228	Tignamar SE	7912425	467342	K104		Qv	alt vol r	white			s	h						o				s	wt	ka	a		brwn	lim.				strongly altered vol.
LK-229	Tignamar SE	7912096	467309			Qv	Bs	dk.grey-black	1-3 mm pl, 1-2 mm ol.	gl-hem	h	l																			fresh massive basalt lava
LK-230	Tignamar SE	7911804	467658	K105		?	silicified r.	white			m-h	m						o				s	wt	ka, silica	a		bk	hem				silicified rock, coating by hematite
LK-231	Tignamar SE	7911668	467808	K106	G,X	?	alt rock	white			m	m						o				s	wt	ser./mont., ka	f		brwn	lim., hem				strongly altered vol.
LK-232	Tignamar SE	7913059	469309			Qv	Bs	dk. grey-black	1-3 mm pl	gl-hem	m	m																			alternation lava and lava bre.
LK-233	Tignamar SE	7913650	470251			Qv	Bs-And	grey	1-4 mm pl	gl-hem	m	m										s	wt	ser.?	f							massive lava
LK-234	Cerro Larancagua	7985151	456854			Qv	Bs	dk. grey	1-2 mm pl	gl-hem.	h	l																			basalt-andesite lava, joint
LK-235	Cerro Tejene	7981615	460044			Qvr	Ignim		1-4 mm qz	gl-hem.	m	m-h																			weakly weathered, pooly welded, litic frag. 1-4 cm
LK-236	Cerro Tejene	7980371	459924			Qv	Bs	black	1-3 mm pl	gl-hem.	h	l																			basalt lava, flow struc.
LK-237	Cerro Tejene	7970283	461555			Qvr	pum Tf	reddish white	1-3 mm qz	gl-hem.	m	m-h																			litic frag. 2-3 cm
LK-238	Cerro Tejene	7978841	463070			Qvr	pum Tf	white	1-3 mm qz	gl-hem.	m	h																			porous, litic frag. 1-2 cm
LK-239	Cerro Tejene	7976699	463286			Qvr	pum Tf	white	1-3 mm qz	gl-hem.	m	h																			porous, litic frag. 1-2 cm
LK-240	Cerro Larancagua	7985195	465058			Qv	And	grey	3-8 mm pl, 1x 3 mm hb.	gl-hem.	h	l	hem>>pl, lava																		
LK-241	Cerro Larancagua	7983649	465397			Qv	And	grey	1-8 mm pl	gl-hem.	h	l	phenocryst rich lava																		weakly weathered andesite lava
LK-242	Cerro Larancagua	7984416	464976			Qvr	pum Tf	white	1-3 mm qz	gl-hem.	s	m-h																			litic frag. 2-5 cm
LK-243-1	Putre	7987312	443267	K107		Kv(s)	And	green	1-3 mm pl	gl-hem.	m	m				diss.	py	p				m	grn	chl	p							euhedral py 1-3 mm, prop
LK-243-2	Putre	7987312	443267			Kv(s)	And	purple	1-3 mm pl	gl-hem.	m	m										m	grn	chl	p							prop
LK-244	Putre	7986800	440550	K108		?	alt vol r	white			m	m										m-s	wt	ser., ka	f							strongly altered vol.
LK-245	Putre	7984779	441805	K109		Kv(s)?	alt rock	white			m	m						o				s	wt	ser., ka	f		brwn	lim., hem				strongly altered rock
LK-246	Putre	7985243	442475			Kv(s)	Tuff	green			m-h	l										m	grn	chl	p							massive prop. tuff
LK-247	Putre	7982366	441229			Kv(s)?	alt vol r	green-white	2-8 mm pl	hem.	m	m	phenocryst rich									m	grn	chl	p							prop. vol.
LK-248	Belen	7980163	439311	K110	G,X	Tgd?	alt G?	white	1-4 mm qz		h	l										s	wt	Si, ser.	f							strongly altered rock, silicified
LK-249	Belen	7976580	437497			Kv(s)	And	pl. grey	1-3 mm pl, 3-8 mm hb.?	gl-hem.	m	m										s-m	pl. gry	sme?	w							weathered massive volcanics
LK-250	Belen	7974386	437419			Tig	Ignim	red. grey	2-8 mm qz, 1-3 mm bi	gl-hem.	m	m										s-m			w							weathered ignimbrite
LK-251	Belen	7973809	438251			Tig	pum Tf	red. grey	1-2 mm bi	gl	m	m																				
LK-252	Putre SW	7970659	434351			Qvr	pum Tf	white			s	h										s			w							weakly weathered
LK-253-1	Putre SW	7966926	432511			Qvr	pum Tf	white			s	h																			litic frag. 2-5 cm
LK-253-2	Putre SW	7966926	432511			Qvr	Ignim	red. grey	1-5 mm qz, 1-3 mm bi	gl	m	m																			upper pum tuff, lower Ignim.
LK-254	Putre SW	7963648	427837			Qvr	pum Tf	white			s	h																			upper pum tuff, lower Ignim.
LK-255-1	Putre SW	7963329	425907			Qvr	Ignim	red. grey	2-8 mm qz, 1-3 mm bi	gl-hem.	h	l																			massive pum. tuff, litic frag. 1-5 cm
LK-255-2	Putre SW	7963329	425907			Qvr	pum Tf	white			s	h																			upper pum tuff, lower Ignim.
LK-256	Putre SW	7961559	422037			Qvr	pum Tf	white			s	h																			upper pum tuff, lower Ignim.
LK-257	Putre SW	7961261	420551	K111		Kgd	G	green	2-5 mm qz, 1-3 mm bi, 2-4 mm pl	gra.	h	l										s		chl, lim	p							weakly weathered, medium-grained granite
LK-258	Putre SW	7960969	419899	K112	G	Kgd	G	white	< 1mm qz, bi	gra.	h	l										s		chl, lim	p							weakly weathered, fine-grained granite
LK-259	Putre SW	7960219	419684	K-113	D,T	Kgd	G	grey	2-4 mm qz, 1-3 mm bi, 2-6 mm pl	gra.	h	l	65±2 Ma (bi)									s		chl, lim	p							weakly weathered, medium-grained granite
LK-260	Arica E	7958910	416101	K-114	D,T	Kgd	G-po	red. grey	1-3 mm qz, 2-4 mm bi	gra.	h	l	67±2 Ma									s		chl, lim	p							weakly weathered, medium-grained granite
LK-261	Putre	7996249	442799			Qv	And	red. grey	2-15 mm pl	gl-hem.	m	m-h										m	red. gry	ser., sme.?	f							altered vol. lava
LK-262	Putre	8000718	443410			Qv	And	grey	2-15 mm pl, 1-3 mm hb.?	gl-hem.	h	l	lava																		fresh andesite lava, massive
LK-263	Putre	8005143	441680	K115		Qv?	silicified rock	white			h	l										s	wt	Si, ka.?	a							massive silicified rock
LK-264	Putre	8009002	434065			Qvr	pum Tf	red. White			m	m																			(pum) tuff, litic frag. poor 1-2 cm
LK-265	Northern Putre	8011595	432598			Qvr	Tuff	white			s-m	m																			tuff, litic frag. poor 1-2 cm
LK-266	Northern Putre	8017561	430327	K116		?	silicified rock	brown red			h	l-m										v.s	brwn red	Si, lim., hem.	o							strongly altered vol., strong lim, hem.
LK-267	Northern Putre	8017330	429848	K117	G	?	alt rock	white			m	m										v.s	wt	ka.?	a							strongly altered vol.
LK-268	Northern Putre	8016753	430195	K-118	D,T	Tgd	And	grey	4-8 mm pl, 2-4 mm hb.	por.	h	m	11.5±1.1 Ma									s	gry									weakly weathered porphyry?
LK-269	Northern Putre	8015730	430733	K-119	D,T	Tgd	And	grey	2-8 mm pl, 2-15 mm hb.	por.	h	l	12.3±0.4 Ma									s	gry									weakly weathered porphyry?
LK-270	Northern Putre	8015143	430576			Qvr	pum Tf	red. white			s	h																			pumice 1-10 cm
LK-271	Putre S	7972325	443354			Kv(s)	And?	pl. grey-grey	1-2 mm pl		m	m										s-m	grn	chl., ep.	p							prop. vol. bre.
LK-272	Putre S	7972347	443409	K120		Kv(s)	alt Rhy?	white	2-4 mm qz		m	m										s	wt	ser	f							strongly altered rhyo?
LK-273	Putre S	7972450	443463			Kv(s)	alt Rhy?	white	2-4 mm qz		m	m										s	wt	ser	f							strongly altered rhyo?
LK-274	Putre S	7972574	443573	K121	G	Kv(s)	alt Rhy?	white	2-5 mm qz		m	m										s	wt	ser	f							strongly altered rhyo?
LK-275	Putre S	7972656	443691	K122		?	silicified rock	dk. grey	2-4 mm pl.		h	l				diss.	py	p				m-s	dk. gry	silica	s							silicified basalt?
LK-276	Putre S	7972638	443790	K123		?	silicified rock	white	2-4 mm qz		h	l				diss.	py	p				s	wt	silica	s							silicified rhyo?
LK-277	Putre S	7972667	443823	K124	G,X,P	?	alt rock	white			l	h				diss.	py, unknown	p			qz, bar	v.s	wt	ser., mont., ka.	f							strongly altered rock, py-rich
LK-278	Putre S	7972748	443898			?	silicified rock	dk. grey			h	l				diss.	py	p				m-s	dk. gry	silica	s							silicified basalt?, py-rich
LK-279	Putre S	7972946	444061	K125		Kv(s)?	Bs?	dk. grey	1-2 mm pl, 1-4 mm pyrx.?	gl-hem	h	l				diss.	py	p				s	gry	silica.	s							weakly silicified basalt?
LK-280	Putre S	7973202	444237	K126	G	?	alt rock	pl. grey			m-h	l				diss.	py	p				s	pl. gry	ser	f							strongly altered vol., py-rich
LK-281	Putre S	7973307	444407	K127		Kv(s)?	Bs?	grey	1-2 mm pl, 2-3 mm pyrx.?	gl-hem	h	l				diss.	py	p				s	gry	ser	f							fracture in py and chl
LK-282	Putre S	7973295	444732			?	alt rock	grey			h	l				diss.	py	p				s	gry	silica, ser	f							strongly altered vol., silicified
LK-283	Putre S	7973306	444904			Tgd	meta-Di	grey	2-4 mm hb	hol-gr	h	l				diss.	py	p				s	gry	ser, silica	f							weakly altered vol.?
LK-284	Putre S	7973316	444934	K128	T	Tgd	meta-Di	grey	2-4 mm hb	hol-gr	h	l				diss.	py					s-m	gry	ser, silica	f							weakly altered
LK-285	Putre S	7973373	444996			Tgd	meta-Di/Bs	grey	1-4 mm hb	hol-gr	h	l				diss.	py	p				s-m/s	gry/wt-pl. gry	ser	f							
LK-286	Putre S	7973472	445092	K129	P	Tgd	meta-Di	grey	1-3 mm hb	hol-gr	h	l				diss.	py, gn	p			pl, kf, qz,	m	wt	ser	f							

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization							Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LK-287	Putre S	7973502	445136			?	silicified rock	dk. grey			h	l				diss.	py	p				s	dk. gry	silica, ser	f							strongly altered rock, silicified
LK-288-1	Putre S	7973525	445166	K130		Tgd	meta-Di	grey	2-4 mm hb	hol-gr	h	l				diss.	py	p				s		chl	p							
LK-288-2	Putre S	7973525	445166	K131		Kv(s)?	Bs bre	black	< 1 mm	gl-hem	h	l				diss.	py	p				s										
LK-289	Putre S	7973586	445200			Tgd	meta-Di	grey	2-4 mm hb	hol-gr	h	l				diss.	py	p				s	gry	chl	p							
LK-290	Putre SW	7968246	431106			Qvr	pum Tf	white			s	m-h																			
LK-291-1	Putre W	7975781	426630	K132			qz-tou rock	wt						diss., vein			py, Cu-ox	cu-ox			qz, tour										litic frag. 1-5 cm
LK-291-2	Putre W	7975781	426630	K133	O,P		qz-tou rock	wt						diss., vein			cp, chr	cu-sul			qz, tour, jar					grn	Cu-ox.				gd
LK-292	Putre W	7975777	426378	K134	G	Tgd	alt Gd	gry	2-4 mm hb.	gra.	h	l										s	grn	act?							gd
LK-293-1	Putre W	7975802	426368	K135	G,T	Kv(i)?	meta-And	grn	2-8 mm pl, 2-8 mm hb	po	h	l										m	grn	chl, ser., lim	f							altered at high temp.?
LK-293-2	Putre W	7975802	426368	K-136	G,X	Kv(i)?	alt-meta-And	wt			m	h						cu-ox			qz, tour	h	wt	ser., ka., cal.	f		grn	Cu-ox.				alt. zone thickness 15-30m, por and gd
LK-293-3	Putre W	7975802	426368	K137		?	alt rock	wt			m	m		diss., vein			py, Cu-ox	cu-ox			qz, tour, hem, pl, chl, cal, tit, ser	h	wt	ser.	f		grn	Cu-ox.				alt. zone thickness 15-30m, por and gd
LK-294	Putre W	7975913	426340	K-138	G,D,T	Tgd	Gd	gry	2-4 mm hb., 1-3 mm bi	gra.	h	l	hb>>bt, 53.8±1.3Ma (bi)	diss.			py	p			qz, tour	s	grn	act?							tou or py in fracture
LK-295-1	Putre W	7975642	426587	K139	O,P,F		qz-tou rock							vein	wd. 0.3-0.4m	N20W,80E, N40E,90	chr	cu-ox		Campanane prospect	qz, tour, lim						grn	Cu-ox.				Campanane mine, adit, tour, host rock: gd
LK-295-2	Putre W	7975642	426587	K140			qz-tour v (Cu)							vein			Cu-ox.	cu-ox		Campanane prospect	qz, tour						grn	Cu-ox.				Campanane mine, adit, host rock: gd, N20W80E
LK-295-3	Putre W	7975642	426587	K141	G	Tgd	Gd	wt		gra.	h	l		diss.			Cu-ox.	cu-ox			qz, tour	m	wt	ser., sme.	f		grn	Cu-ox.				Campanane mine, adit, host rock
LK-296	Putre W	7975612	426533	K-142	X		qz-tour v (Cu)							vein			Cu-ox.	cu-ox			qz, tour, mus?			ser.	f		grn	Cu-ox.				Campanane mine, adit, zuri, host rock: gd, N40E90
LK-297	Putre W	7975231	426572	K-143	G,X,D	Tgd	alt Gd	wt			h	l		vein, breccia			Cu-ox.	cu-ox			qz, tour	h	wt	ser., ka., kf, tou	f	55.1±1.9Ma (whole r.)	grn	Cu-ox.				Campanane mine, adit, tour bre., host rock: gd
LK-298	Putre W	7975243	426563				qz-tour v (Cu)							vein			Cu-ox.	cu-ox			qz, tour	h	wt	ser., ka., kf, tou	f		grn	Cu-ox.				Campanane mine, adit, host rock: gd
LK-299-1	Arica E	7958405	417090	K144	O		qz-Cu v							vein	wd. 0.8m	N-S,50E (250m+)	Cu-ox.	cu-ox			qz					grn	Cu-ox.				Halcones mine, adit, host rock: gd, NS50E
LK-299-2	Arica E	7958405	417090	K145	X	Kgd	alt Gd	wt						vein			Cu-ox.	cu-ox			qz	m-s	wt	ser., ka., sre./mont.	f		grn	Cu-ox.				Halcones mine, adit, host alt rock
LK-299-3	Arica E	7958405	417090	K-146	G,X,D	Tgd	alt Gd	wt						vein			Cu-ox.	cu-ox			qz	m-s	wt	ka., mont.	a	57.4±2.1Ma (whole r.)	grn	Cu-ox.				Halcones mine, adit, host alt rock
LK-299-4	Arica E	7958405	417090	K147	O,P		qz-Cu v							vein			chr, mal, ang	cu-ox			qz						grn	Cu-ox.				Halcones mine, adit, zuri, host rock: gd, NS50E
LK-300	Arica E	7958341	417112			Kgd	Gd	wt		gra.	m	m		vein			Cu-ox.	cu-ox				m	wt	ser., sme.	f							Halcones mine, adit,weathered gd
LK-301	Arica E	7958209	417135			Kgd	Gd/Ap	grey/wt		gra.	h	l		vein																		boundary of weathered gd and aplite (tour diss.)
LK-302	Arica E	7958244	417098				qz-Cu v							vein			Cu-ox.	cu-ox			qz	m-s	wt	ser.	f		grn	Cu-ox.				Halcones mine, adit, host rock: ap
LK-303-1	Arica E	7958275	417102	K-148	G,X,D	Kgd	alt Ap	wt		gra.	m-h	m										s	wt	ser., kf	f	66±2Ma (whole r.)						Halcones mine, host rock: ap
LK-303-2	Arica E	7958275	417102	K149	P		qz-Cu v							vein			chr, mal, plu, cer, cag	cu-ox			qz						grn	Cu-ox.				Halcones mine, host rock: ap
LK-304-1	Arica E	7958379	417000	K-150	D,T	Kgd	Gd	grey	2-8 mm hb.	gra.	h	l	66±2 Ma (bi)																		Halcones mine, host rock
LK-304-2	Arica E	7958379	417000	K151	O,P,F		qz-Cu v						Halcones prospect	vein			py, ang, mal, cc, ant	cu-sul			qz						grn	Cu-ox.				Halcones mine, float
LK-305	Arica E	7957893	415044			Tig	pum Tf	pinkish wt		gl	s	h																			litic frag. 2-10 cm
LK-306	Arica E	7957416	415702	K-152	D,T	Kgd	Gd	grey	1-3 mm hb., 1 mm bi	gra.	h	l	68±2 Ma (bi)																		xenolith of sedimentary rock 1 x 2 m
LK-307	Arica E	7957279	415921	K153	T	Jm(m)	meta-sed.							skarn				o								brwn	lim.				alternation of marble and pelitic hornfels, N68W85N
LK-308	Arica E	7957251	416230	K154	T	Jm(m)	meta-sed./Gd		2-4 mm hb.	gra.	h	l		skarn																	boundary of gd and meta-sediments, N65W90
LK-309-1	Putre W	7981042	427199	K-155	G,X,D	Tgd	alt Gd	wt			s	h	Jamiralla prospect	vein, stwk			Cu-ox.	cu-ox			qz, tour	h	wt	ser.	f	52.8±1.4Ma (musc)	grn	Cu-ox.				Jamiralla mine, adit, alt host rock: gd
LK-309-2	Putre W	7981042	427199	K-156	X,D	Tgd	alt rock	wt			s	h		vein			Cu-ox.	cu-ox			qz, tour, mus?	h	wt	ser.(mus)	f	56.0±1.5Ma (musc)	grn	Cu-ox.				Jamiralla mine, adit, zuri, host rock: gd
LK-309-3	Putre W	7981042	427199	K157	O		qz-tou rock							vein			Cu-ox.	cu-ox			qz, tour						grn	Cu-ox.				Jamiralla mine, adit, zuri, host rock: gd
LK-309-4	Putre W	7981042	427199	K158	O,F		qz-tou rock							vein			Cu-ox.	cu-ox			qz, tour						grn	Cu-ox.				Jamiralla mine, adit, zuri, host rock: gd
LK-310	Putre W	7980996	427193				qz-tou rock							vein			Cu-ox.	cu-ox			qz, tour						grn	Cu-ox.				Jamiralla mine, adit, host rock: gd
LK-311	Putre W	7981018	427253				qz-tou rock							vein			Cu-ox.	cu-ox			qz, tour						grn	Cu-ox.				Jamiralla mine, adit, host rock: gd
LK-312	Putre W	7981657	428116				qz-tou rock							vein							qz, tour										Rosario mine, adit, host rock: gd
LK-313	Putre W	7982671	428263			Tig	pum Tf	wt			s	h																			litic frag. 1-2 cm
LQ-001	Pica	7734754	469021			Tig	lap Tf	lt.brn			s	h	Ignimbrite member?																		Photo
LQ-002	Q.Quisma	7733826	475831			Tig	Ignim	lt.brn	1-2 mm qz		m	s	member																		Photo
LQ-003	Q.Quisma	7736662	478161			Tig	lap Tf	lt.brn	1-2 mm qz		m	s	member																		Photo
LQ-004	Q.Quisma	7739549	481569			Tig	sdy Tf	lt.brn			s	h	Ignimbrite member?																		Photo
LQ-005	Q.Quisma	7742158	485466			Tig	tfa Ss	brn			s	s	Ignimbrite member?																		Photo
LQ-006	Q.Quisma	7742643	486343			Tig	Ignim	lt.brn	1-2 mm qz		m	s	member																		Photo
LQ-007	Q.Quisma	7746230	492320			Tig	Ignim	lt.brn	1-2 mm qz		s	s	member																		Photo
LQ-008	Q.Quisma	7746495	492366	Q-001	T	Kv(s)	And	dk.gry		hem	h	s																			Photo
LQ-009	S.del Huasco	7737113	520527			Tig	Ignim	lt.brn	1mm qz		m	s	member																		Photo
LQ-010	Q.Caya	7730978	521285			Tig	Ignim	lt.brn	1mm qz		m	s	member																		Photo
LQ-011	S.del Huasco	7745906	508728			Tig	Ignim	lt.brn	1-2 mm qz	hem	m	s	member																		Photo
LQ-012	S.del Huasco	7746804	515712			Tig	Ignim	lt.brn	1-2 mm qz	hem	m	s	member																			
LQ-013	S.del Huasco	7743432	515991			Tig	lap Tf	wt	1-2 mm qz		m	m	member																			
LQ-014	S.del Huasco	7739104	518511			Tig	lap Tf	gry	1mm qz		s	m	member																			
LQ-015	S.del Huasco	7736333	517320			Tig	Ignim	lt.brn	1-2 mm qz	hem	m	m	member																			
LQ-016	S.de Coposa	7718320	529320			Tig	Ignim	lt.brn	1-2 mm qz,bi	hem	m	s	member																			
LQ-017	S.de Coposa	7713700	530429			Tig	Ignim	gry	1-2 mm qz	hem	m	s	member																			
LQ-018	S.de Coposa	7710698	531895			Qs	Ss	bk			s	s	old lacustrine deposit?																			
LQ-019	Q.Quisma	7754189	496652			Tig	Ignim	wt.gry	1-2 mm qz,bi		m	s	member																			
LQ-020	Q.Quisma	7754275	495583			Tig	Tf	wt	1mm qz		s	s	member																		Photo
LQ-021	Q.Quisma	7755239	489087			Qvc	tfa Ss	lt.brn			s	s	overlay Ignimb. unconformably																			
LQ-022	Copaquiri	7688710	512744	Q-002		Tgd	Qz-po	grn	2-5 mm feld,bi	hol-po	h	s		diss			py	p				m	grn	chl	p	bt altered						
LQ-023	Copaquiri	7688269	512738			Kv(i)	alt rock	wt			h	s	明	stwk			py,sp	p				h	wt	silica,ser,kf	f		brwn	lim	cell			
LQ-024	Copaquiri	7688077	512843			Kv(i)	Silts	bk			h	s	unaltered r.																			Photo
LQ-025	Copaquiri	7687536	512513	Q-003		Kv(i)	alt rock	wt		hol-po?	s	s	明	diss/stwk		fog	py	p	gry	3(N40E/90,Wd2cm)		h	wt	silica,ser,kf	f		brwn	lim	cell			Photo
LQ-026	Copaquiri	7687523	511959			Tgd	Qz-po	wt	2-4 mm qz	hol-po	s	s		stwk			py, oxide-Cu	cu-ox			qz,gyp	h	wt	silica,ser,kf	f		brwn/grn	mal,lim				Photo
LQ-027	Copaquiri	7686920	511577	Q-004		Kv(i)	Qzite?	lt.gry-gry			h	s		diss			py	p														
LQ-028	Copaquiri	7686725	511459			Tgd?	G	gry	2-5 mm qz,bi	hol-gr	h	s		diss			py	p				s	gry	chl	p	bt: fresh/altere						
LQ-029	Copaquiri	7686184	511039			Tgd?	G	wt	2-5 mm qz,bi	hol-gr	h	s		diss			py	p				m	wt	silica-ser	f							
LQ-030	Copaquiri	7686127	511485	Q-005		Tgd?	G	wt	2-5 mm qz,bi	hol-gr	h	s		v			Mo	m	milky	Wd20cm+(float)											
LQ-031	Mina Copaquiri	7686041	511466	Q-006		Tgd?	G	wt	2-5 mm qz,bi	hol-gr	h	s		stwk			py	p	milky	6(Wdmax6cm)		m	wt	silica-ser	f							
LQ-032	Copaquiri	7686120	511776			Tgd	Qz-po	wt	2-5 mm qz	hol-po	h	s		stwk			py	p				h	wt	silica,ser,kf	f		brwn	lim	cell			fissure developed, no mineralizetion
LQ-033	Copaquiri	7686139	511955			Kv(i)	Ss	wt-lt.gry			h	s	altered Ss?	stwk			py	p				h	wt	silica,ser	f		brwn	lim	cell			
LQ-034	Copaquiri	7686030	512081			Tgd	Di	gry	2 mm feld	hol-gr	h	s	micro Di	diss			py,Mo	m				m	gry	silica,ser,chl	f							
LQ-035	Copaquiri	7686348	512526			Tgd	Qz-po	lt.gry	2-5 mm qz	hol-po	h	s		diss			py	p				h	yel	silica, ser, kf, jar?	f		brwn	lim	cell			
LQ-036	Copaquiri	7686450	512719	Q-007		Kv(i)	Potic Bs?	bk.grn.gry	5-10 mm feld	hol-po?	h	s									gyp vein										

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LQ-037	Copaquiri	7686500	512900			Jc(s)	Ms/Silts	bk/lt.gry			h	s	bedding(N40E/45 NW)																		Photo
LQ-038	Copaquiri	7686474	513245	Q-008		Jv(i)	meta-Bs?	dk.grn.gry			h	s		vein?			py vein	p				s	grn.gry	epi-chl	p							
LQ-039	Quipisca	7779642	462242			Tig	Ignim	brn	1-2 mm qz	gl	h	m-s	lg.member																			
LQ-040	Quipisca	7779665	461561			Kgd	Gd	grn.gry	2-3 mm qz,feld,bi	hol-gr	h	s																				
LQ-041	Quipisca	7779589	461570	Q-009		Kgd	Gd	grn.gry	2-3 mm qz,feld,bi	hol-gr	h	s										m	grn	chl	p	propylitic						
LQ-042	Quipisca	7780123	460619			Kgd	Gd	grn.gry	2-3 mm qz,feld,bi	hol-gr	h	s										m	dk.grn	chl	p	propylitic						
LQ-043	Quipisca	7780137	460612			Kgd	Gd?	brn		hol-gr	s	s		diss			py	p		fissure(N30E,90)		m	wt	ka	a		brwn	lim				
LQ-044	Quipisca	7780451	460321			Kv(i)	And	dk.grn		hem	h	s										s	grn	chl-epi	p							
LQ-045	Quipisca	7779793	459352			Kv(i)	And	dk.grn.gry		hem	h	s	joints developed																			
LQ-046	Quipisca	7779166	458565	Q-010		Kv(i)	And?	wt		hem	s	s		stwk	150m*350m (altered z)		py	p		fissure(N30W,90)	gyp vein	m	wt	silica,ser,ka	f		brwn	lim				
LQ-047	Quipisca	7778446	457965			Kv(i)	And	bk		hem	h	s																				
LQ-048	Quipisca	7773286	456963	Q-011	R,T	Kgd	Microdi	grn.gry	2-3 mm qz,feld,bi	hol-gr	h	s										s	grn	chl,amp,epi, cb	p							
LQ-049	Quipisca	7761980	459265			Tig	Ignim	brn	1-2 mm qz	gl	h	s	lg.member																			
LQ-050	Quipisca	7762823	459735			Tig	Tf	pink			s	m	intercalate Cgl, under Ignimb.																			
LQ-051	Quipisca	7765507	462854			Tc	Cgl	gry			s	m	under LQ-050																			
LQ-052	Quipisca	7766914	464225	Q-012		Kv(i)	Bs	dk.grn.gry		hem	h	s										m	dk.grn/red.brn	chl,hem	p	propylitic						
LQ-053	Quipisca	7767923	465110			Kv(i)	Bs	dk.grn.gry		hem	h	s										s	grn,brn	chl,epi,hem	p	propylitic						
LQ-054	Quipisca	7780989	460163			Kv(i)	Bs	dk.grn.gry		hem	h	s		diss			py	p				m	grn	chl	p	propylitic						
LQ-055	Quipisca	7781423	460797			Kv(i)	And?	wt	2-3 mm feld	hem	m	s		diss			py	p				m	wt	silica,ser,ka	f		brwn	lim		sphalerite		
LQ-056	Quipisca	7781608	462038	Q-013	R,T	Kgd	G-po	dk.gry	2-5 mm qz,feld,bi	hol-po	h	s																				Q-013-1:N85W,29S, Q-013-2:N80W,29S, Q-013-3:N35W,76NE
LQ-057	Quipisca	7782111	463329			Kgd	Gd	gry	2-5 mm qz,feld,bi	hol-gr	h	s																				
LQ-058	Quipisca	7780929	473481			Tig	Ignim	lt.brn	1-2 mm qz		m	s	lg.member																			
LQ-059	Pachica	7804126	461619	Q-014	O,T	Kv(i)	And?	dk.grn			h	s	prop.変質のため原岩不明	diss			py	p				h	grn	chl-epi	p	propylitic	brwn	lim				
LQ-060	Pachica	7804228	461619	Q-015	G	Kv(i)	And	dk.grn		hem	h	s										m	grn	chl-epi	p	propylitic						
LQ-061	Pachica	7804297	461628	Q-016		Kv(i)	And	dk.grn		hem	h	s		diss			py	p	milky	2 (Wd2.0cm:N65W,67 SW, Wd1.8cm:N60E,20S E)		m	grn	chl-epi	p	propylitic						
LQ-062	Pachica	7804353	461639			Kv(i)	Bs	dk.grn.gry		hem	h	s										s	dk.grn	chl	p							
LQ-063	Pachica	7804376	461656			Tgd	Di	dk.grn.gry	2-3 mm feld	hol-gr	h	s					mt					m	grn	chl-epi	p	propylitic						
LQ-064	Pachica	7804494	461748	Q-017	G	Kv(i)	And?	wt						diss			specular.mt	o				h	wt	silica,ser,ka	f		brwn	lim		fog		
LQ-065	Pachica	7804649	461764	Q-018	G	Kv(i)	And?	wt			h	s		diss			py	p				m-s	wt	silica,ser,ka	f		brwn	lim		fog		
LQ-066	Pachica	7804807	461792	Q-019	G,X	Kv(i)	And?	wt			h	s		diss			py	p				m-s	wt	qz,ser,mont	f		brwn	lim		fog		dk.gry. unaltered Bs.dyke (Wd3m,N30W,75E) intrude in altered
LQ-067	Pachica	7803946	462610	Q-020	T	Kv(i)	And	dk.grn.gry		hem	h	s										s	grn	chl-epi	p	propylitic						
LQ-068	Chusmisa-E	7826115	484248			Kv(i)	Tf	grn			m	s																				
LQ-069	Chusmisa-E	7826190	484610	Q-021		Kv(i)	Tf/lap.Tf	grn.gry			m	s	massive																			
LQ-070	Chusmisa-E	7826705	485516			Kv(i)	lap Tf	grn			m	m																				porous part along b.p.
LQ-071	Chusmisa-E	7826771	485764			Kv(i)	weld Tf	gry			h	s	clear welding	diss			specular.	o														
LQ-072	Chusmisa-E	7828168	487879	Q-022		Kv(i)	G	wt	2-5 mm qz.feld	hol-gr	h	s										s	grn	chl	p							
LQ-073	Chusmisa-E	7828195	488522	Q-023	G	Kv(i)	lap Tf	wt			h	m		diss?			hem,mt	o				h	wt	silica	s		brwn	lim				Granite near contact with Gr
LQ-074	Chusmisa-E	7828120	489223	Q-024	T	Tgd	Da-po?	gry		hol-po	h	s		diss?			mt					s	grn	silica	s							volcanic rock member? (Dac.lava?)
LQ-075	Chusmisa-E	7828143	489470			Kv(i)	Bs	bk		hem	h	s	joints (N10W,90)																			
LQ-076	Chusmisa-E	7828230	489833	Q-025	X	Tgd	Da-po?	wt		hol-po	m	s		diss?			py?	o				m	wt	qz,ser,mont, ka	f		brwn	lim				
LQ-077	Chusmisa-E	7828230	490140			Tgd	Da-po?	grn		hol-po	s	s										m	wt	silica,ser,ka	f							
LQ-078	Chusmisa-E	7828148	490358			Tgd	Da-po?	grn	2-5 mm qz.bi	hol-po	h	s										s	grn	chl	p							
LQ-079	Chusmisa-E	7828119	491208			Kv(i)	Da?	gry		hem	h	s	glassy	diss			mt					s	yel	epi?	p							
LQ-080	Chusmisa-E	7828197	491748	Q-027		Kv(i)	Rhy	wt		hem	h	s	dyke									s	wt	silica	s							
LQ-080	Chusmisa-E	7828197	491748	Q-026		Tgd	Di	gry	2 mm feld	hol-gr	h	s	micro Di																			
LQ-081	Chusmisa-E	7828309	492106	Q-028	X	Tgd	Di	dk.gry	2 mm feld	hol-gr	h	s	micro Di					o				m	wt	mont, ka	a		brwn	lim				
LQ-082	Chusmisa-E	7828550	493195	Q-029		Tgd	Di	wt	2 mm feld	hol-gr	h	s	micro Di	diss			specular.	o				m	wt	ka	a							
LQ-083	Chusmisa-E	7828902	494169			Kv(i)	alt rock	wt			m	s										m	wt	ka	a							
LQ-084	Chusmisa-E	7829382	494281			Kv(i)	Bs?	gry			m	s																				
LQ-085	Chusmisa-E	7829949	494553			Kv(i)	alt rock	wt					brecciated					o				m	wt	silica,ka?	s		brwn	lim				
LQ-086	Chusmisa NE	7831993	496462			Qvr	lap Tf	gry			s	m	lg.member																			
LQ-087	Chusmisa NE	7831798	499951	Q-030	X	Qvr	Tf	wt														h	wt	ka		solfataric alteration ?						
LQ-088	Chusmisa	7832009	481936			Tgd	Gd	gry	2-5 mm feld,bi	hol-gr	h	s								1(N5W/70E,Wd1cm)												
LQ-089	Chusmisa	7832047	481503			Tgd	Gd	gry	2-5 mm feld,bi	hol-gr	h	s										s	grn	chl	p							kf rich, joints (NS,90)
LQ-090	Chusmisa	7832086	481279			Tgd	Gd?	gry	2-5 mm feld,bi	hol-gr	h	s																				
LQ-091	Chusmisa	7832397	480724			Tgd	Gd	gry	2-5 mm feld,bi	hol-gr	h	s																				
LQ-092	Chusmisa	7832274	480394			Tgd	Gd	gry	2-5 mm feld,bi	hol-gr	h	s	joints (N10W,60E)									s	grn	chl	p							
LQ-093	Chusmisa	7832112	480174	Q-031		Kc(i)	Ms	bk			h	s	N-S,60E: bp									m	bk,gry	bi,silica	s	hornfels?, contact with Gr						
LQ-094	Chusmisa	7832067	479959			Kc(i)	Ms	bk			h	s										m	purplish gry	bi,silica	s							bk.Md with Ss (hornfels?)
LQ-095	Chusmisa	7831968	479952	Q-032	G,T	Kc(i)	Hornfels	purplish gry			h	s	contact with Gr									m	purplish gry	bi,silica	s							hornfels?
LQ-095	Chusmisa	7831968	479952	Q-033	G,T	Kc(i)	Hornfels	purplish gry			h	s	contact with Gr									m	purplish gry	bi,silica	s							
LQ-095	Chusmisa	7831968	479952	Q-034	G,T	Tgd	G	gry	2-5 mm qz,bi	hol-gr	h	s	contact with Md									m	purplish gry	bi,silica	s							
LQ-095	Chusmisa	7831968	479952	Q-036	G,T	Kc(i)	Ms	purplish gry			h	s	contact with Gr									m	purplish gry	bi,silica	s							
LQ-095	Chusmisa	7831968	479952	Q-035	T	Tgd	G	gry	2-5 mm qz.bi	hol-gr	h	s																				hornfels?
LQ-096	Chusmisa	7831767	479874	Q-037	T	Kc(i)	Ms	bk			h	s										m	dk purplish gry	bi,silica	s	near contact with						
LQ-097	Chusmisa	7831597	479508	Q-038	T	Tgd	G	wt	5 mm qz.bi	hol-gr	h	s										s	grn	chl	p							hornfels?
LQ-098	Chusmisa	7831535	479175			Tgd	G	wt	5 mm qz.bi	hol-gr	h	s										s	grn	chl	p							
LQ-099	Chusmisa	7831581	479746			Tgd	Gd	wt	5 mm qz,feld,bi	hol-gr	h	s										s	grn	chl	p							
LQ-100	Chusmisa	7831874	480229			Kc(i)	Ms	bk			h	s										h	dk purplish gry	bi,silica	s	near contact						
LQ-101	Chusmisa	7831801	480274	Q-039	G,T	Kc(i)	Ss?	gry			h	s										h	gry	silica	s	near contact						
LQ-102	Chusmisa NE	7838360	506868			Qvr	Tf	wt	1-2 mm qz		s	m										s	wt	ka	a	solfataric alteration ?						
LQ-103	Chusmisa NE	7839120	506774	Q-040		Qvr	Da	brn.gry	1-2 mm qz,feld		m	m	dome?																			
LQ-104	Chusmisa NE	7839433	506929	Q-041	G,X	Qvr	lap Tf	wt	2 mm qz.bi		s	m										m	wt	qz,ser	f	solfataric alteration ?						
LQ-105	Chusmisa NE	7839489	507029	Q-042	T	Qvr	Qz-po?	wt	2-5 mm qz	Po	h	s										m	wt	silica	s	solfataric alteration ?	brwn	lim				
LQ-106	Chusmisa NE	7839818	507178	Q-043	G	Qvr	Qz-po?	wt	2-5 mm qz	Po	h	s										s	wt	silica	s	solfataric alteration ?						
LQ-107	Chusmisa NE	7839892	507476	Q-044	G	Qvr	alt rock	wt	2 mm qz		s-h	s	Tf?	diss			specular.	o				m-s	wt	silica		solfataric alteration ?						
LQ-108	Chusmisa NE	7839900	507052	Q-045	G	Qvr	Rhy?	wt			h	s	brecciated									h	wt	silica	s	solfataric alteration ?						
LQ-109	Chusmisa NE	7841005	507610	Q-046	G	Qvr	alt rock	wt			h	s		diss			specular.	o				h	wt	silica	s	solfataric alteration ?						
LQ-110	Chusmisa NE	7841509	507730	Q-047	X	Qvr	Tf	pl.grn	1-4 mm qz.bi		s	m	pumice Tf									s	grn	chl,ka?	p	solfataric alteration ?						
LQ-111	Chusmisa NE	7842066	507624	Q-048		Qvr	Rhy?	dk.gry		gl	h	s	with horizontal flow band																			

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LQ-112	Chusmisa NE	7842486	507325	Q-049		Qvr	lap Tf	pl.grn	2 mm qz		m	s	dacitic									s	pl.grn	chl,ka?	p	solfataric alteration ?						
LQ-113	Chusmisa NE	7842753	507035			Qvr	lap Tf	pl.grn	2 mm qz		m	s	dacitic									s	pl.grn	chl,ka?	p	solfataric alteration ?						
LQ-114	Chusmisa NE	7842703	506460	Q-050	G	Qvr	lap Tf	wt	1 mm qz		m	m										s	wt	silica	s	solfataric alteration ?						
LQ-115	Chusmisa NE	7842931	505615	Q-051	T	Qvr	And	brn.gry		gl	h	m																				
LQ-116	Chusmisa NE	7841790	506611	Q-052	G	Qvr	lap Tf	wt	1 mm qz		m	m						o				m	wt	silica	s	solfataric alteration ?	brwn	lim				
LQ-117	Chusmisa	7823594	480669			Kv(i)	tfa Ss	grn.gry			s	s	N30W,15SW: bp									s	grn	chl	p	propylitic						
LQ-118	Chusmisa	7823314	480404	Q-053		Kv(i)	Tf-lap Tf	pl.grn	1-2 mm qz		s	s										m	grn	epi-chl	p	propylitic						
LQ-119	Chusmisa	7822891	479994	Q-054	G,X	Kv(i)	Tf	pl.grn	1 mm feld		s	m										s	wt	qz,ser,cal	f							
LQ-120	Chusmisa	7822760	479898			Kv(i)	Tf	wt			s	m										s	wt	ka	a							
LQ-121	Chusmisa	7822724	479836	Q-055	G,T	Kv(i)	Tf	wt			s	m		diss			specular.	o				s	wt	silica	s							
LQ-122	Chusmisa	7822704	479808	Q-056	T	Kv(i)	And	gry	1-2 mm feld	gl	h	s																				
LQ-123	Chusmisa	7822262	479084	Q-057	T	Tgd	Di	gry	1-5 mm feld	hol-gr	h	s		diss			mt					s	grn	chl	p	propylitic						
LQ-124	Chusmisa	7821834	478894	Q-058	G	Kv(i)	Tf	pl.grn			s	s										s	pl.grn	chl,silica	p	propylitic						
LQ-125	Chusmisa	7821646	478664	Q-059	G	Kv(i)	Tf, lap Tf, fine Tf	wt			s	s						o				s	wt	ka	a		brwn	lim				
LQ-126	Chusmisa	7821487	478675	Q-060	G	Kv(i)	Tf-bre	grn			h	s							milky	1/5m, (N40E/80 Wd5mm)		m	grn	chl,epi	p	propylitic with qz vein						
LQ-127	Chusmisa	7821281	478648	Q-061	T	Tgd	meta-po	wt		hol-po	h	s	G-pophyrytic									h	wt, bk	ser,tou	f							
LQ-127	Chusmisa	7821281	478648	Q-063	G	Kv(i)	lap Tf?	gry														h	gry	seri,tou	f							
LQ-127	Chusmisa	7821281	478648	Q-062	G	Kv(i)	lap Tf?	dk.gry														h	bk	tou	tou							
LQ-128	Chusmisa	7821224	478579			Kv(i)	alt rock	gry			h	s	lap.Tf?									h	gry	ser,tou,silica	f							
LQ-129	Chusmisa	7820954	478477			Kv(i)	Tf-bre	grn			h	s										m	grn	chl,epi	p	propylitic						
LQ-130	Chusmisa	7820740	478398			Kv(i)	Vol-bre	grn			h	s										s	grn	chl,epi	p	propylitic						
LQ-131	Chusmisa	7822110	479297			Kv(i)	Vol-bre	grn			h	s										s	grn	chl,epi	p	propylitic						
LQ-132	Pailca	7831394	453311			Tig	sdy Tf, pum Tf	pink	1-3 mm qz		s	m																				
LQ-133	Pailca	7830941	454057			Tig	pum Tf	pink			s	m	massive, inc. 1-2cm fragments																			
LQ-134	Pailca	7830921	454596			Tig	pum Tf	pink			s	m																				
LQ-135	Pailca	7830913	455751			Tig	pum Tf	pink	1-2 mm qz,bi		s	s	massive																			
LQ-136	Pailca	7831158	456470			Tig	pum Tf	pink	1-2 mm qz,bi		s	s	massive																			
LQ-137	Pailca	7831112	457320			Tig	pum Tf	pink	1-3 mm qz,bi		s	s	massive																			
LQ-138	Pailca	7831159	458277			Tig	pum Tf	pink	1-4 mm qz,bi		s	s	massive																			
LQ-139	Pailca	7830984	459163			Tig	pum Tf	pink	1-5 mm qz,bi		s	s	massive																			
LQ-140	Pailca	7831047	459954			Tig	pum Tf	pink	1-6 mm qz,bi		s	s	massive																			
LQ-141	Camiña NE	7881200	469305	Q-064		Qv	Bs	gry	2-5 mm feld,bi	gl-hem	h	s-m	part																			
LQ-142	Camiña NE	7880342	466900			Qv	Bs	gry	2-5 mm feld,bi	gl-hem	h	s-m	NS,4-15E(flow band)																			
LQ-143	Camiña NE	7880487	465914			Qv	Bs	brn.gry		hem	h	s	aglomeratic lava flow																			N80W,90 (joints: 40cm interval)
LQ-144	Camiña NE	7879270	464748			Qv	Bs	dk.gry		hem	h	s	lava flow																			
LQ-145	Camiña NE	7878866	463984			Qv	bre	dk.gry																								
LQ-146	Camiña NE	7878104	462559			Qv	Bs	dk.gry		hem	h	s	lava flow																			
LQ-147	Camiña NE	7877548	461084			Qv	Bs	bk		hem	h	s	lava flow																			
LQ-148	Camiña	7874566	459895			Qv	Bs	bk		hem	h	s	lava flow																			
LQ-149	Camiña	7872942	460101			Qv	Bs	bk		hem	h	s	lava flow																			
LQ-150	Camiña	7872446	461825			Qv	Bs	bk		hem	h	s	lava flow																			
LQ-151	Camiña	7869930	460191			Qv	Bs	bk		hem	h	s	autobrecciated lava flow?																			
LQ-152	Camiña	7868293	458634			Qv	Bstic vol-bre	bk			m	m	autobrecciated lava flow																			
LQ-153	Camiña	7867280	458421	Q-066		Qv	Bs	dk.gry		hem	h	s	lava flow																			
LQ-154	Camiña	7866282	458500			Qv	Bs	dk.gry		hem	h	s	lava flow																			
LQ-155	Camiña	7866115	459052	Q-067		Kv(i)	Tf	red.brn			h	s	massive																			
LQ-156	Camiña	7866600	459341	Q-068	D,G,T	Tgd	Di-po	bk		hol-po	h	s	56.8±1.9									s	grn	amp,bio		along crack						56.8±1.9Ma (whole r.)
LQ-157	Camiña	7865727	459265	Q-069	G,X	Kv(i)	alt rock	pl.grn			m	s	lap.Tf?					o				s	wt	mont,ser	f		brwn	lim			N50E,90 (crack)	
LQ-158	Camiña	7864966	458535			Kv(i)	alt Bs	dk.grn		hem	h	s										s	grn	chl,epi	p	propylitic						
LQ-159	Camiña	7867021	459359	Q-071	T	Kv(i)	and vol-bre	grn											milky	irregular in druse		s	grn	chl,epi	p	along crack						
LQ-159	Camiña	7867021	459359	Q-070	O	Kv(i)	sdy Tf	red.brn			m	s	N80E,8N(b.p., alternated)																			
LQ-160	Camiña	7867035	459356	Q-072	T	Kv(i)	Bs	dk.gry		hol-po	h	s	porphyritic									s	grn	sm		propylitic						
LQ-161	Camiña	7867410	459249	Q-073		Kv(i)	Bs?	red.brn	1-3 mm feld	hem	h	s	brecciated, content hem																			
LQ-162	Camiña	7867320	459234	Q-074	O	Kv(i)								vein	wd:3cm		mal,chr	cu-ox			qz						grn	mal,chr			float	
LQ-163	Camiña	7867194	459289	Q-075	O	Kv(i)								vein			mal,chr	cu-ox			qz						grn	mal,chr			float	
LQ-164	Camiña	7867145	459285	Q-076	G	Kv(i)	Bs	bk	1-5 mm feld	hem	h	s																				
LQ-165	Camiña	7867125	459305	Q-077	O	Kv(i)	alt Bs?							vein	malachite (float)		mal,chr	cu-ox			qz						grn	chl				
LQ-165	Camiña	7867125	459305	Q-078	O	Kv(i)	alt Bs?							vein	silica (wd:1-4cm)																	
LQ-165	Camiña	7867125	459305	Q-079	O	Kv(i)	alt Bs?							vein	malachite vein (wd:2mm)		mal,chr	cu-ox			qz										mal. vein: N40E,80N	
LQ-166	Camiña	7867603	460033			Kv(i)	lap Tf	gry			m	s	massive									s	pl.grn	chl	p	propylitic						
LQ-167	Camiña	7867925	460132			Kv(i)	And	gry		gl	h	s	hem.content																			
LQ-168	Camiña	7866602	459347	Q-080	G	Tgd	Qz-po	gry	5 mm feld,bi	hol-po	h	s	intrude into Di (N50W,90, wd:									s	grn	chl,epi	p	propylitic						
LQ-169	Camiña	7866518	459453	Q-081	G	Kv(i)	And	bk		hem	h	s	hem.content									s	grn	chl,epi,silica	p	propylitic						
LQ-170	Camiña	7866488	459432	Q-082	G	Tgd?	microgranite	pl.grn	2 mm qz,feld	hol-gr	h	s										m	pl.grn	chl,ser,tou	f	outcrop (20m*20m)						
LQ-171	Camiña	7866371	459397			Kv(i)	alt rock(Tf?)	grn		hem?	h	s										h	grn	chl,epi	p	propylitic						
LQ-172	Camiña	7866303	459185	Q-083	G	Kv(i)	lap Tf	pl.grn			m	s										m-s	pl.grn	chl,epi	p	propylitic						
LQ-173	Camiña	7865806	459233	Q-084	G	Kv(i)	lap Tf	pl.grn			s	s						o				m	wt	ka	a		brwn	lim				
LQ-174	Camiña	7865691	459273	Q-085	G	Kv(i)	Trachyte?	grn	2-5 mm feld	hem	h	s										m	grn	chl,epi	p	propylitic						
LQ-175	Camiña	7864950	458524	Q-086	G	Kv(i)	Bs	bk	2-5 mm feld	hem	h	s										h	bk	silica,bi?	s							
LQ-176	Camiña	7864960	458417	Q-087	G	Kv(i)	Bs	dk.gry-bk		hem	h	s						o				m-s	wt	silica,ka?	s		brwn	lim			oxi. z.: N30E,90, wd250cm	
LQ-177	Camiña	7864931	458408	Q-088	G	Kv(i)	Bs	bk		hem	h	s						o				m	wt	silica,ka?	s	wd10m*L30 m	brwn	lim				
LQ-178	Camiña	7864612	457643	Q-089		Kv(i)	Bs(micro Di?)	bk		hem	h	s	fresh																			
LQ-179	Camiña	7864526	457548	Q-090	G,T	Tgd	G?	pink	±2mm feld	hol-gr	h	s										s	pink	silica,ser?	s							
LQ-180	Camiña	7864517	457433	Q-091	G	Kv(i)	Bs	bk	1mm bi?	hem	h	s	propylitic									h	bk	silica,bi	s	hornfels?						
LQ-181	Camiña	7864421	457303	Q-092	G	Kv(i)	Bs?	gry		hem	h	s	propylitic									m	gry	silica,bi	s	hornfels?						
LQ-182	Camiña	7864231	457259	Q-093	G,T	Tgd	Ap	pink	1mm qz	hol-gr	h	s	brecciated (18m×20m)									m	pink	siica	s							
LQ-183	Camiña	7864166	457248	Q-094	D,G,T	Tgd	Di	dk gry	2-4 mm feld,bi	hol-gr	h	s																				
LQ-184	Camiña	7864560	456792			Tgd	Di	dk gry	2-5 mm feld,bi	hol-gr	h	s																				
LQ-185	Camiña	7864554	456733	Q-095	G,X	Kv(i)	alt rock	gry			h	s						o				m	gry	mont,ser,gyp	f		brwn	lim,hem				
LQ-186	Camiña	7864550	456623	Q-096	T	Kv(i)	And	bk	2-5 mm feld,bi	hol-po	h	s	porphyritic											sm								
LQ-187	Camiña	7864627	456528	Q-097	G,X	Kv(i)	alt rock	bk			h	s										s-h	wt-bk	silica	s	hornfels?						

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LQ-188	Camiña	7864611	456335			Kv(i)	Bs	bk		hem	h	s																				
LQ-189	Camiña	7864426	456312	Q-098	G	Kv(i)	Bs?	lt.brn			h	s	propylitic					o				s	lt.brn	silica	s		brwn	lim,hem?				
LQ-190	Camiña	7864590	456134	Q-099	T	Tgd	Di	dk.gry	2-4 mm feld,bi	hol-gr	h	s																				
LQ-191	Camiña	7864601	455747	Q-100	G	Kv(i)	Bs?	wt			h	s	altered					o				m	wt	silica,ser?	s	specular or tour spoted	brwn	lim,hem?				
LQ-192	Camiña	7863956	453016	Q-101		Kv(i)	And	gry		hem	h	s	lava flow, hem spotted																			
LQ-193	Camiña	7863967	452933	Q-102		Kv(i)	Tf	pl grn			s	s	N70E,5N (b.p.)									s	pl.grn	chl,epi	p	weakly propylitic						
LQ-194	Camiña	7863895	452646			Kv(i)	And	dk.gry		hem	h	s										s	grn	chl,epi	p	weakly propylitic						
LQ-195	Camiña	7863605	452918	Q-103	G	Kv(i)	Tf, vol-bre	gry			m	m	(b.p.)									s	gry	ka?	a							
LQ-196	Camiña	7863488	452913	Q-104		Kv(i)	Trachyte?	dk grn	5 mm feld	hem	h	s										s	dk grn	chl,epi	p	spotted specularite						
LQ-197	Minimiñe	7879299	428060			Qvr	tfa Ss, Cgl	lt.brn																								
LQ-198	Minimiñe	7878715	429059			Qvr	pum Tf	pink	2-5 mm qz,bi		s	h	massive																			
LQ-199	Minimiñe	7878453	426244	Q-105		Qvr	pum Tf	pink	2-5 mm qz,bi		s	h	weakly welding																			
LQ-200	Minimiñe	7878393	425651			Qvr	pum Tf	pink	2-5 mm qz,bi		s	h	massive																			
LQ-201	Minimiñe	7878335	425530	Q-106	T	Qv	Bs	bk		hem	h	s																				
LQ-202	Minimiñe	7878324	427056	Q-107	T	Qv	Bs	bk		gl	h	s	flow band clear																			upper and lower fo.: Cgl
LQ-203	Camarones	7909527	435125			Tig	Ignim	pink	2-5 mm qz,bi		m	s	rhyo-dacitic																			
LQ-204	Camarones	7909881	437299			Tig	lap Tf	pink	2-5 mm qz,bi		s	m	rhyo-dacitic																			
LQ-205	Camarones	7909848	440254			Tig	pum Tf	wt	1-3 mm qz,bi		s	m	rhyo-dacitic																			
LQ-206	Camarones	7910068	441806			Tig	Ignim	lt.brn	2-5 mm qz,bi		h	s	rhyo-dacitic																			
LQ-207	Camarones	7910308	446285			Tig	Ignim	wt	2-5 mm qz,bi		h	s	rhyo-dacitic																			
LQ-208	Camarones	7910996	447632			Tig	pum Tf	wt	2-5 mm qz,bi		m	m	rhy-da ignim																			
LQ-209	Camarones	7911128	447784			Qv	Bs	bk		hem	h	s																				
LQ-210	Camarones	7913167	450817	Q-108	T	Qv	Rhy?	lt.brn gry	2-5 mm qz,bi	hem	h	s																				
LQ-211	Camarones	7913885	450454			Qv	Bs	bk		hem	h	s																				
LQ-212	Camarones	7915724	452243			Tig	Ignim	lt.brn			h	s	clear welding																			
LQ-213	Camarones	7916567	453418			Tig	pum Tf	wt			s	m	pumice(1-10cm)																			
LQ-214	Tignamar SE	7921821	464816	Q-109		Tig	Tf	lt.brn	2-3mm qz>bi>mt(spoted)		m	m	lg.member																			
LQ-215	Tignamar SE	7919551	465093	Q-110	T	Qv	Da	gry	2 mm qz,bi	hem	h	s	lava dome?																			
LQ-216	Tignamar SE	7919084	464181	Q-111	T	Qv	Bs	bk		hem	h	s	lava flow, porous																			
LQ-217	Tignamar SE	7918755	462990			Qv	And	lt.brn		hem	h	s	lava fow																			
LQ-218	Tignamar SE	7921359	465612			Tig	Ignim	lt.brn	1-2 mm qz,feld		h	s	welding of pumice (1cm×4cm)																			
LQ-219	Tignamar SE	7919758	467159			Tig	Ignim	lt.brn	2 mm qz,feld		m	s	welding of pumice (0.5cm×2cm)																			
LQ-220	Tignamar SE	7919191	467692			Tig	pum Tf	wt	1-2 mm qz,feld		s	m																				
LQ-221	Tignamar SE	7917785	468871	Q-112		Tig	Ignim	pinkish brn	2mm qz,bi		s	m	welding of pumice (1cm×10cm)																			
LQ-222	Tignamar SE	7916327	470161			Qvc	Cgl, Ss	gry			s	m	horizontal beds																			
LQ-223	Tignamar SE	7915854	470342			Qvc	pum Tf	wt			s	h	younger pumice, inc.Bs bre																			
LQ-224	Tignamar SE	7915120	470833	Q-113		Qv	Bs	bk		hem	h	s	lava flow (flow band N35W,12NE),																			
LQ-225	Tignamar SE	7912935	472489			Qvc	sdy Tf	wt			s	m	horizontal beds																			
LQ-226	Tignamar SE	7912126	472507	Q-114		Qv	Bs	bk	5 mm feld	hem	h	s																				
LQ-227	Tignamar SE	7910960	473480			Qvc	pum Tf	wt			s	m	inc.Bs brec																			
LQ-228	Tignamar SE	7909170	475398			Qvc	pum lap Tf	wt			m	m	massive																			
LQ-229	Tignamar NW	7936896	442717			Tig	Ignim	lt.brn	1-5 mm qz,bi		h	s																				
LQ-230	Tignamar NW	7938119	443161	Q-115		Tig	Ignim	lt.brn	1-5 mm qz,bi		h	s																				
LQ-231	Tignamar NW	7941692	445239			Qvr	pum Tf	wt			s	h																				
LQ-232	Tignamar NW	7944307	447029	Q-116		Qv	Bs	bk	2-4 mm feld	hem	h	s																				
LQ-233	Tignamar NW	7942592	446886			Qv	Bs	bk	2-5 mm feld	hem	h	s	brecciated																			
LQ-234	Tignamar NW	7937875	451397	Q-117	G,T	Qv	Da	pl gry	2mm qz,bi	hem	h	s	brecciated					o				m	wt	silicalica,ka?	s		brwn	lim				
LQ-235	Tignamar NW	7937809	451504	Q-118	G	Qvr	Tf-bre	yellow brn			m	s						o				m	yel	ka,al?	a		brwn	lim				
LQ-236	Tignamar NW	7936396	453265			Qvr	Tf-bre	yellow brn					boulder																			
LQ-237	Tignamar NW	7935516	452138			Qv	lap Tf	wt			s	s																				
LQ-238	Tignamar NW	7935158	451759	Q-120	T	Qv	Bs	bk	2-4 mm feld	hem	h	s	lava flow (flow band N50W, 35SE), glassy																			
LQ-239	Tignamar NW	7935375	451284	Q-121	T	Qv	And	gry	2-10 mm feld, hb	porphyritic	h	s	lava flow																			
LQ-240	Tignamar NW	7935281	451284	Q-122		Qv	And	dk gry to brn		hem	h	s	lava flow																			
LQ-241	Tignamar NW	7935071	451954	Q-123	T	Qv	And/Bs	bk	5 mm feld, hb	hem	h	s	lava flow																			
LQ-242	Tignamar NW	7935440	452667	Q-124		Qv	Bs	bk		hem	h	s	lava flow																			
LQ-243	Tignamar NW	7936019	453037			Qvr	pum Tf	wt			s	m	massive																			
LQ-244	Tignamar NW	7936778	453632			Qvr	pum Tf	pink			s	m																				
LQ-245	Tignamar SE	7911453	474606	Q-125	T	Qv	Bs?	dk gry	2-8 mm feld	hem - po	h	s	lava flow, lower part is autobrecciated																			
LQ-246	Tignamar SE	7912187	476080	Q-126	G,X	Qv	Vol-bre	wt			m	m	epithermal alt.					o				h	wt	silica,ka,al	a		brwn	lim				
LQ-247	Tignamar SE	7913169	477389	Q-127	G,X	Qv	alt vol-bre	wt			s	m	epithermal alt.					o				h	wt	ka,al?	a		brwn	lim				
LQ-248	Tignamar SE	7912777	478359	Q-128	X	Qv	alt rock	wt			s	s	epithermal alt.									h	wt	ka,al?	a						
LQ-249	Putre	7990203	444053	Q-129		Qv	Rhy	wt	2-5 mm qz	hem	h	s	lava flow																			
LQ-250	Putre	7990961	447637	Q-130		Qv	Da	gry	2-7 mm feld,qz	hem	h	s	lava flow																			
LQ-251	Putre	7991821	448534			Qv	Ash with tfa sand	brn,gry			s	m																				
LQ-252	Putre	7992027	450412			Qv	Ash	gry			s	m																				
LQ-253	Putre	7992038	450754			Qv	Da	gry	2-5 mm feld,qz	hem	h	s	dome?																			
LQ-254	Putre	7991785	452061	Q-131	G	Qvr	alt lap Tf	wt			s	m						o				s	wt	ka	a		brwn	lim				
LQ-255	Putre	7991926	453355			Qvr	Tf	lt brn			m	s	lg.menber																			
LQ-256	Putre E	7985718	467191	Q-132		Qv	And	bk	1-5 mm hbblende,pyroxene	hem	h	s	autobrecciated lava																			
LQ-257	Putre E	7986203	468332	Q-133		Qvr	da Ignim	gry	2-4 mm qz		m	s	welding is clear																			
LQ-258	Putre E	7979803	485484			Qvr	da Ignim	lt brn	2-4 mm qz		h	s																				
LQ-259	Putre E	7980188	484630			Qv	And	gry	2-3 mm qz,bi	hem	h	s	autobrecciated lava																			
LQ-260	Putre E	7981472	482210			Qvr	Ignim	lt.brn	2-4 mm qz,bi		m	m																				
LQ-261	Putre SE	7969498	466120			Qvr	Ignim	lt.brn	2-5 mm qz,bi		h	s																				
LQ-262	Putre SE	7972350	469154	Q-134		Kv(s)?	Rhy/Da	gry	2-5 mm qz,feld	hem	h	m	autobrecciated lava																			
LQ-263	Putre SE	7973938	470705	Q-135		Kv(s)?	alt Da	gry	2-4 mm qz,feld	hem	h	s	float from Mina Choquelimpie	diss			py	p				h	wt	silica,ka	a						
LQ-263	Putre SE	7973938	470705	Q-138	O,X	Kv(s)?	alt rock	wt					float from Mina Choquelimpie	vein/diss			py	p				h	wt	silica,ka	a						
LQ-263	Putre SE	7973938	470705	Q-139	O,P	Kv(s)?	alt rock	gry					float from Mina Choquelimpie	vein/diss			py,acantite	p			ka	h	gry	silica,ka	a						
LQ-263	Putre SE	7973938	470705	Q-140	O	Kv(s)?	alt rock	gry					float from Mina Choquelimpie	vein/diss			py	p				h	gry	silica,ka	a						
LQ-263	Putre SE	7973938	470705	Q-141	O	Kv(s)?	alt rock	wt					float from Mina Choquelimpie	vein/diss			py	p				h	gry	silica,ka	a						

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LQ-263	Putre SE	7973938	470705	Q-142	O	Kv(s)?	Qz-py v	wt					float from Mina Choquelimpie	vein/diss			py	p				h	gry	silica,ka	a							
LQ-263	Putre SE	7973938	470705	Q-143	O	Kv(s)?	Qz-cal-py v	wt					float from Mina Choquelimpie	vein/diss			py	p				h	gry	silica,ka	a							
LQ-263	Putre SE	7973938	470705	Q-137	X	Kv(s)?	alt rock	wt					float from Mina Choquelimpie	vein/diss			py	p				h	wt	silica,ser,al	f							
LQ-263	Putre SE	7973938	470705	Q-144	O,P	Kv(s)?	Breccia	gry					float from Mina Choquelimpie	vein/diss			py,bar	p			ser, ka	h	gry	silica	s							
LQ-263	Putre SE	7973938	470705	Q-145	O,P	Kv(s)?	Breccia	gry					float from Mina Choquelimpie	vein/diss			py,acantite, gal,bar	p			ka	h	gry	silica	s							
LQ-263	Putre SE	7973938	470705	Q-136		Kv(s)?	alt Da	gry	2-4 mm qz,feld	hem	h	s	float from Mina Choquelimpie	diss			py	p														
LQ-264	Putre SE	7973748	470189	Q-146	T	Kv(s)	Da	brn	2-4 mm qz,feld,bi	hem	h	s																				
LQ-265	Putre SE	7973497	470100	Q-147	D,T	Kv(s)	Da	lt.brn	2-6 mm qz,feld,bi	hem	h	s																				
LQ-266	Putre SE	7969549	467386			Kv(s)?	Da	lt.brn	2-6 mm qz,feld,bi	hem	h	s																				
LQ-267	Putre SE	7971003	470731	Q-148		Qvr	da lap Tf	gry	2-3 mm qz,bi		h	h																				
LQ-268	Putre SE	7976894	463254	Q-149	D,R,T	Qvr	da Tf	wt	2-3 mm qz,bi	glassy	s	m	Q-149-1,-2,-3: N24W,68NE, N39W,68NE, N65E,58SE																			
LQ-269	Putre E	7984374	465007	Q-150	R,T	Qvr	pum Tf	wt	2-3 mm qz,bi	glassy	s	m	Q-150-1,-2: N86W,86N, N42W,84SW																			
LQ-270	Putre E	7986809	471594			Qvr	Ignim	gry	2-4 mm qz,bi		m	s	welding is clear																			
LQ-271	Putre NE	7993695	469159	Q-151		Qvr	Ignim	gry	2-4 mm qz,bi		m	s	welding is clear																			
LQ-272	Putre NE	7996415	469193			Qvr	pum Tf	pink			s	m																				
LQ-273	Putre NE	7999557	471216			Qvr	pum Tf	wt			s	m																				
LQ-274	Putre NE	8000496	472036	Q-152		Qvr	Rhy	lt.brn	2-3 mm qz,bi	hem	m	s	dome?																			
LQ-275	Putre NE	7996450	465906			Qvr	Ignim	wt	2-4 mm qz,bi		s	m																				
LQ-276	Putre NE	7998539	463787			Qvr	pum Tf	wt	2-4 mm qz,bi		s	m	lg.member																			
LQ-277	Putre NE	8003189	462411			Qvr	lap Tf	wt	2-5 mm qz,bi		s	m	lg.member																			
LQ-278	Putre S	7971964	442844	Q-153		Tgd	Qz-po	wt	2-5 mm qz	hol-po	h	s						o				s	wt	silica	s		brwn	lim				
LQ-279	Putre S	7972144	443001	Q-154	G,T	Tgd	Di	gry	2-5 mm feld	hol-gr	h	s	propylitic	diss			py	p				m	dk.grn	chl-epi	p							
LQ-280	Putre S	7972210	443064	Q-155	G	Tgd	Di	gry	2-5 mm feld	hol-gr	h	s	propylitic	diss			py	p				m	dk.grn	chl-epi	p		brwn	lim				
LQ-281	Putre S	7972531	443018	Q-156	G,O,T	Kv(s)	alt Bs	dk.gry	2-5 mm feld	hem	h	s		diss			py	p				m	wt to gry	silica,chl?	s		gry	lim				
LQ-282	Putre S	7972638	443040	Q-157	O,T,X	Tgd	Qz-po	wt	2-5 mm qz	hol-po	h	s		diss			py	p				m	wt	qz,ser	f							
LQ-283	Putre S	7972642	443065	Q-158	O	Kv(s)	alt Bs	dk.gry	2-5 mm feld	hem	h	s		diss			py	p				h	wt to gry	silica-ser?	s		brwn	lim				
LQ-283	Putre S	7972642	443065	Q-159	O	Kv(s)	alt Bs	dk.gry	2-5 mm feld	hem	h	s		diss			py	p				h	wt to gry	silica-ser?	s							
LQ-284	Putre S	7972724	443111	Q-160	O,P	Tgd	Di	dk.gry	2-6 mm feld	hol-gr	h	s	propylitic	diss			py	p			chl	s	grn gry	chl-epi	p							
LQ-285	Putre S	7972825	443173	Q-161	O	Kv(s)	alt Bs	dk.gry		hem	m	s	amygdroydal	diss			py	p				m	dk.gry	chl	p							
LQ-286	Putre S	7972860	443250	Q-162	G	Tgd	alt Qz-po	wt	2-4 mm qz	hol-po	h	s		diss			py	p				m	wt	silica	s							
LQ-287	Putre SW	7966486	432796	Q-163		Tig	Ignim	lt.brn	2-5mm qz>bi	hem?	m	s	Rhyorite or Rhyoritic																			
LQ-288	Putre SW	7968254	432580			Tig	Ignim	lt.brn	2-5mm qz>bi		h	s	Rhyorite or Rhyoritic																			
LQ-289	Putre SW	7968933	434610			Tig	pum Tf	wt	2-3mm qz>bi		s	m	included pumice																			
LQ-290	Putre SW	7969216	436273			Qcp	Cgl	wt			m	s	Tfa.cements, 1-20cm																			
LQ-291	Arica E	7959365	407647			Tig	Ignim	wt	2mm qz,bi		m	s																				
LQ-292	Arica E	7957322	407035			Tig	Ignim	wt	1-2mm qz,bi		m	s																				
LQ-293	Arica E	7956404	404315			Tig	pum Tf	wt	1mm qz		m	m																				
LQ-294	Putre W	7981434	428160	Q-164	D,F,O,X	Tgd	alt. r.	wt			s	s	Rosario prospect			stwk	oxide Cu	cu-ox	col.less, milky	granular(abundant)	ser-bi-tour-qz	h	wt	qz,ser,tou	f		gm,lt.blue, yel	mal-chr-?				50.4±2.0Ma (ser)
LQ-295	Putre W	7981332	428151	Q-165	D,T	Tgd	Gd	gry	2-5mm feld,bi	hol-gr	h	s	53.8±1.4 (bi)																			53.8±1.4Ma (bi)
LQ-296	Putre W	7981381	428240	Q-166	F	Tgd	Qz-Tou v	gry					Rosario prospect						col.less, milky	granular(abundant)	tour-qz											
LS-002	Pica far S	7681782	481452			Qvc	Ss	gry			m-s	h	alt.of Ss & Cgl, flat																			
LS-003	Pica far S	7682046	482106			Kgd	Gd	gry-wt, grn	2	hol-gr	h	s	covered by gravel unconf., qz-ho(chl)-bi-kf-pl									m-s	wt-grn	chl	p							
LS-004	Pica far S	7684343	484419			Kv(i)	And	dk gry		gl	vh	s	massive									h	dk grn-bk	chl, silica	p							
LS-005	Pica far S	7684394	484420			Kgd	Gd	wt	2	hol-gr	h	-	=LS3, N54E85N cut prop									m	wt gry-grn wt	chl, ser, phlogopite	f							
LS-006	Pica far S	7685602	488752			Kv(i)	And bre	bk-purple	<1	gl	h	-	Tf-bre/bre And, mass, 20m under Ss									m-h	purple-grn	epi	p							
LS-007	Pica far S	7686471	490291			Kv(i)	And	purple	1	hem	h	-	mass, intercalated in vol-cl, N10W70W									m	grn	epi, hem	p	py? diss						
LS-008	Pica far S	7686460	490280			Tig	Tf	bk	<1	gl	h	s	N30W65W bp																			
LS-009	Pica far S	7686398	490610			Kc(i)	sdy Shale	bk			h	-	N30W60W bp																			
LS-010	Pica far S	7686361	492694			Jc(s)	Ss, Silts	purple			h	-																				
LS-011	Huatacondo	7686059	493894			Jc(s)	Ss, Shale	grn-gry			h	-	N30-20W60-70W bp																			
LS-012	Cascada	7761633	457368			Qvc	Ss, Cgl	pink wt	<1		m	m	bp																			
LS-013	Mina Cascada	7770322	466565			Tig	Weld Tf	pink, purple	2	gl	vh	-	good welding, qz>>(bi)																			
LS-014	Macaya	7775291	478108			Qvc	Cgl	gry			m-s	m	covered by Ignimbrite, loose,peb<5cm																			
LS-015	Macaya	7774992	478743			Kv(i)	And	gry	1	gl	h	-	under Cgl, mass																			
LS-016	Macaya E	7772860	484399			Kgd/Tgd	Di	bk-dk grn	1	hol-po	h	-														f	pl:wt alt, ser:partly					
LS-017	Macaya E	7773144	484117			Kc(i)	Shale	gry			vh	-	N30E15E bp									m	grn	chl	p						
LS-018	Macaya E	7773528	484230	S-001	T	Kgd?	Gd	gry	2	hol-gr	h	-	qz-ho-bi-kf																			
LS-019	Copaquire	7686183	510122			Kgd	G	wt	2	hol-gr	h	-	qz-bi rich, fresh																			
LS-020	Copaquire	7685798	509776			Kgd	G	wt	2	hol-gr	s	m	talus	diss			oxi-Cu		rect. Aplitic			h	wt	ser, qz	f							
LS-021	Copaquire	7686053	507200			Jc(s)	Shale	bk					N5E30W bp	diss	f		goeth?															
LS-022	Copaquire	7686178	506521			Jc(s)	Ss, Shale	bk			vh	-	N2E40W bp, Qzitic f.ss																			
LS-023	Copaquire	7684855	503427			Jc(s)	Shale	bk			h	-	N20E45W																			
LS-024	Copaquire	7686197	513547			Jc(s)	Ss	grn	1		h	-	near fault;N10W80E, N20W20W bp									h	grn	chl, qz	p	stratified altered zone intercalated						
LS-025	Copaquire	7683333	514336			Kgd	Gd-po	gry	2	hem-po	h	-	qz-pl-ho-bi									m	grn-wt	chl, ser	f							
LS-026	Copaquire	7682546	514431			Jc(s)	Ss, Cgl	purple, red	<1		h	-	N-S frs																			
LS-027	Copaquire	7682439	514581			Jc(s)	Cgl	red, purple			h	-	polymictic (G, Po, Vol-cl, Sh, Ss), Φ5-10cm					o														
LS-028	Copaquire	7682516	514706			Jc(s)	Ss	purple, red	<1		h	-						o									red	hem-chl				
LS-029	Copaquire	7681433	515704			Kv(i)	Tf-bre	wt	2	gl	vh	-	rhyolitic qz rich, with bk sil r bre															red	hem				
LS-030	Copaquire	7680350	516375			Kgd	Gd-po	gry	2	hem-po	h	-												silica	s							
LS-031	Copaquire	7679990	515933			Kgd	Gd-po	gry	2	hem	h	-							f, vlt			m-s	wt, grn	ser, chl, epi	f							
LS-032	Copaquire	7680361	515709			Kv(i)	Rhy	gry	2	gl	vh	-	qz									m	gry, wt	ser, (chl)	f							
LS-033	Copaquire	7680445	514984			Jc(s)	Ss	grn-gry			h	-	medium Ss									s	grn	chl	p							
LS-034	Copaquire	7680457	514983			Kgd	Gd	grn	2	hol-gr	m	-	N50E60S contact with Scs									m-s	grn	chl	p							

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LS-035	Copaquire	7680838	513972			Kgd	Gd	grn	2	hol-gr	h	–										h-m	grn	chl, hem	p							
LS-036	Copaquire	7681373	513518	S-002	P	Jc(s)	Shale	dk grn-bk			h	–	heavy	diss			hem	o				m	grn	chl, epi	p							
LS-037	Copaquire	7682109	513352			Jc(s)	Shale	bk-dk grn			h	–					Fe-oxi?					m	grn	chl, epi	p							
LS-038	Copaquire	7682310	512232			Jc(s)	Shale	grn			m	–	RC done, cuttings: shale									m	grn	chl	p							
LS-039	Copaquire	7682156	510296			Kgd	Gd	grn-wt	2	hol-gr	m	–										m	grn-wt	chl, ser	f							
LS-040	Copaquire	7683100	508690			Kgd	Da-po	grn-gry	2	hem-po	h	–										m	grn	chl, (ser)	f							
LS-041	Copaquire	7682321	509505			Kgd	Gd-po	grn	1-2	hol-po	h	–										m-h	grn	chl, (ser), tou?	f							
LS-042	Mamiña SE	7780341	479203			Kv(i)	Tf-bre	grn	<1	hem	m	s										h	grn	chl, epi	p							
LS-043	Mamiña SE	7780158	480150			Kv(i)	And bre	dk gry-bk		gl	h	–		diss			Fe-oxi					h	dk gry	silica, chl	p							
LS-044	Mamiña SE	7780201	480594			Tgd	Microdi	grn-dk grn	1	hol-po	h	–										h-m	dk grn	chl, hem, bi	p							
LS-045	Mamiña SE	7780674	480766	S-003	T	Tgd	Microdi	bk	<1	hol-po?	h	–		diss	10m+	N5E90: contact	py	p	granular: 1-2mm	0.1		h	bk	mt, bi, epi	k							
LS-045	Mamiña SE	7780674	480766	S-004	G	Tgd	Microdi	bk	<1	hol-po?	h	–		diss	10m+	N5E90: contact	py	p	granular: 1-2mm	0.1		h	bk	mt, bi, epi	k							
LS-045	Mamiña SE	7780674	480766	S-005	P	Tgd	Microdi	bk	<1	hol-po?	h	–		diss	10m+	N5E90: contact	py, hem	p	granular: 1-2mm	0.1	chl	h	bk	mt, bi, epi	k							
LS-045	Mamiña SE	7780674	480766	S-006		Tgd	Microdi	bk	<1	hol-po?	h	–		diss	10m+	N5E90: contact	py	p	granular: 1-2mm	0.1		h	bk	mt, bi, epi	k							
LS-046	Mamiña SE	7780671	480771	S-008	T	Tgd	Microdi	grn	1	hol-po	h	–		diss			py	p				h-m	grn	chl, epi, tou	p	tou: max.2cm, radial						
LS-047	Mamiña SE	7780671	480768	S-007	T	Tgd	G	wt	2-5	hol-gr	h	–										m	wt	chl, ser	f	Photo						
LS-048	Mamiña SE	7780144	481183	S-009	G	Tgd	Microdi	wt	1	hol-gr	h	–		diss	100m+		py (va)	p				h	wt	ser, (chl)	f		brwn	Lim		Py		
LS-049	Mamiña SE	7780073	480972			Tgd	Gd-po	grn-wt	1-2	hem-po	h	–										m	grn-wt	chl, (ser)	f							
LS-050	Mamiña SE	7779831	480812			Tgd	Gd	wt-gry	2	hol-gr	h	–										m-s	grn	chl	p							
LS-051	Mamiña SE	7779367	481014			Tgd	G	wt-pink	2	hol-gr	h	–	qz-pink feld rich																			
LS-052	Mamiña SE	7779368	481013	S-010	R	Tgd	G	gry	1-2	hol-gr	h	–	N5E31W oriented fr																			
LS-052	Mamiña SE	7779368	481013	S-011	R	Tgd	G	gry	1-2	hol-gr	h	–	N20E19W oriented fr																			
LS-052	Mamiña SE	7779368	481013	S-012	R	Tgd	G	gry	1-2	hol-gr	h	–	N14E19W oriented fr																			
LS-052	Mamiña SE	7779368	481013	S-013	D,T	Tgd	G	gry	1-2	hol-gr	h	–	bi rich -kf																			
LS-052	Mamiña SE	7779368	481013	S-014	T	Tgd	G	gry	1-2	hol-gr	h	–	bi rich -kf																			
LS-053	Mamiña SE	7779358	481001			Tgd	Gd	grn-wt	1-2	hol-gr	h	–	bi(chl), qz-rare									m	grn	chl	p							
LS-054	Mocha W	7807457	455216			Qvc	Ss	dk gry			s	m	semi-consolidated, flat																			
LS-055	Mocha	7809466	471663			Tgd	G-po	wt	2-3	(hol)-po	h	–	qz rich -bi	diss in frs			grn oxi, Cu	cu-ox				h	wt	ser, f.bi	f							
LS-056	Mocha	7808332	470456			Kv(i)	And	grn	1	hem	h	–	brecciated lava									h-m	grn	chl > epi	p							
LS-057	Mocha	7810095	470513			?	Jar,clay	yel			vs	h																			
LS-058	Mocha	7810105	470508			?	Lim	red					oxidized zone					o								red	lim				
LS-059	Mocha	7811053	470445			Tig	Rhy Tf	gry			s	h	qz-bi, sdy, fresh, lowest part of Ignimbrite, glassy later (0.5m) intercalated, flat																			
LS-060	Mocha	7811040	470417			Tig	Pum Tf	pink	2		m	m	qz>>bi (rhyo), fresh, w-weld																			
LS-061	Mocha	7812012	470013			Tig	Pum Tf	wt			m-s	m	qz>>bi, fresh, upper horizon of LS-60																			
LS-062	Pachica	7804759	465352			Kv(i)	And	grn	1	gl	h	–										h-m	grn	chl, hem, cal	p	cal vlt						
LS-063	Pachica	7805261	466408	S-015	G	vein	Bar v	brwn						vein	wd: max.0.7m	N56W90	lim	v	patch, milky cos cryst		bar	h-m	grn	chl, hem	p							
LS-064	Chusmisa	7823832	479340			Qv	Bs	bk	<1	gl	h	–	platy joint: N35W30E, fresh																			
LS-065	Chusmisa	7829799	483427			Qv	Bs	dk gry	1	gl	h	–	weatered, hem																			
LS-066	Chusmisa	7830829	482962			Kv(i)	Sil Tf?	dk gry		gl	vh	–	fragmental									h	dk gry	silica	s	pl relict						
LS-067	Chusmisa	7830663	482747			Kv(i)	Sil And (prop)	grn	<1	gl	vh	–	dyke in sil Tf-Shale: N75W90 irregular direction									h	grn	silica	s							
LS-068	Chusmisa	7831316	482600			?	Tf?	bk		gl	vh	–										h	bk	silica>>chl, epi	s							
LS-069	Chusmisa	7831336	482564	S-016	T,P	Tgd	Di	dk gry	2-3	hol-po	vh	–	N48W80N: contact with Tf	Qz vlt	wd: 5mm	w-net	py, hem	p	gry granular	1	kf?	vs	grn	chl	p	bi→chl						
LS-070	Chusmisa	7832310	481515	S-017	T	Tgd	Gd	gry	1-2	hol-gr	h	–										vs	gry	bi (chl)	p							
LS-071	Chusmisa	7839187	478448			Qv	Bs	gry	1-2	gl	h	–										m-s	purple	hem		cloudy pl						
LS-072	Chusmisa	7831478	479188	S-018	G	Tgd	G	wt	2	hol-gr	h	–	qz-tou rich-kf									s	wt	ser	f							
LS-073	Chusmisa	7831530	479094	S-019	D,T	Tgd	Gd	gry-wt	2	hol-gr	h	–	fresh qz-bi-kf-(ho)									s	grn	chl	p	ho→chl					48±1.4 Ma (bi)	
LS-074	Chusmisa	7831208	478252	S-022	X	Tgd	Gd?	wt														h	wt	ser, (tou), (ep), qz, jar	f							
LS-074	Chusmisa	7831208	478252	S-020	O	vein	Qz-Tou v							v	wd:2.5m × 10m(l) × 10m(h)	N40W, 75-80NE	cry(s), ant(s), cer(s), hem	cu-ox	milky		qz, tou>>epi											
LS-074	Chusmisa	7831208	478252	S-021	P	vein	Qz-Tou v							v	wd:2.5m × 10m(l) × 10m(h)	N40W, 75-80NE	cry(s), ant(s), cer(s), hem	cu-ox	milky		qz, tou>>epi											
LS-075	Chusmisa	7840057	479379			Kc(i)	Tf, vol-Cgl	grn	1		m	s	dac cryst tf, qz-feld, N12E20W bp, rounded peb:Φ3-5cm									m	grn	chl	p							
LS-076	Chusmisa	7839798	479411			Tig	Pum Tf	pink wt			vs	h	qz rich (bi), inc small accid.frag, covered by 8stic vol-bre, N60W15S bp																			
LS-077	Chusmisa	7839251	479817			Tig	Weld Tf	dk gry	2	gl	vh	–	qz>>bi (rhyo), fresh, h-weld																			
LS-078	Chusmisa	7839281	480069			Tig	Pum Tf	gry wt	1-2		s	h	qz>>bi, fresh																			
LS-079	Chusmisa NE	7841518	507786			Qvr	Rhy Tf	grn-t	1-2		s	h	loose									m	grn	chl?	p							
LS-080	Chusmisa NE	7841387	508132			Qv	And-po	dk gry	3	gl/po	vh	–	pl rich									m	grn	chl, hem	p	pl→chl, grn →hem						
LS-081	Chusmisa NE	7841737	509503	S-025	O	Qcp	Sil Silts	gry			vh	–	N50W60S bp thinly laminated	diss			py	p	milky silica			h	gry	qz, ka	a					lim in frs		
LS-082	Chusmisa NE	7842439	510858			Qvr	Weld Tf	gry-pink	2	gl			qz rich -bi, inside fault: N52E80N									s	grn	chl	p	bi-pum→chl						
LS-083	Chusmisa NE	7844482	509647			Qvr	Rhy Tf	wt	1-2		h	–	qz rich -bi, with lithic frag									m	wt	ka, (silica)	a	mont? In frs						
LS-084	Chusmisa NE	7841442	509073	S-023	X	Qvr	Rhy Tf	gry wt	2	gl	m	s										h	gry wt, bluish	ser/mont, ka	f							
LS-085	Chusmisa NE	7840331	509761	S-024	G	Qvr	Sil Tf	gry wt			vh	–										h	gry wt	qz, ka, (al?)	a							
LS-086	Chusmisa	7828623	477153			Kc(i)	Tfa Ss	grn			h	–	N80E10S bp bedded									h	grn	chl, epi	p							
LS-087	Chusmisa	7828624	475801	S-026	G	Tig	Da?-po	grn wt	2	gl	vh	–	platy joint: N30E50E, contact with vol-Cgl: N35W80N									h	grn-wt	silica > chl-epi	s			lim				
LS-088	Chusmisa	7828835	475354	S-027	G,X	Kv(i)	Vol-bre?	wt	1		h	–	dacitic, bre-lava?									vh	wt	qz, ser, mont, ka	f							

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LS-089	Huasquiña	7815055	457948			Tig	Tf	wt (pink)	2		s	h	qz-bi-pl fresh, covered by gravel (100-300m thick), flat, alternated with tfa.Ss, thick 300m+																			
LS-090	Camiña NE	7897910	464731			Qv	Bs	bk	<1	gl	h	s										s	grn	chl, (S?)	p	in part (only surface)						
LS-091	Camiña NE	7895842	466025			Tig	rhy Tf	purple-gry	2	gl	m	–	crystal Tf, w-weld, qz-pl-bi									s				weathered						
LS-092	Camiña NE	7891596	467493			Tig	weld Tf	bk	2	gl	h	–	qz-(bi)-(obsidian)																			
LS-093	Camiña NE	7887307	470985	S-028	G,X	Tig	tfa Ss?	wt			s	h	N22W30E bp					o				h	wt	ka	a			lim, hem			diss	
LS-094	Camiña	7855171	438483			Qvc	Ss	gry			s	h	semi-consolidated, flat, alternated with															Fe-oxi, lim, hem			w-weathered	
LS-095	Camiña	7858371	442940			Qvr	rhy Tf	wt	1-2		vs	vh	qz>>bi, intercalated in Gravel-Ss																			
LS-096	Camiña	7860976	446367			Kc(i)	tfa Shale	gry			h	–	N15W40W bp, intruded by lg pyrx Di-po; N55W80N (dyke									s	grn	chl	p			Hem,Clay			in part (fra)	
LS-097	Camiña	7860920	446560			Kv(i)	And	grn, purple-gry	1	gl-po	h	–						o				h	grn	chl, epi	p	epi in frs	brwn	Lim,Hem	fog?			
LS-098	Camiña	7861100	447150			Kv(i)	And	grn	1	gl	h	–	mass, weath in part					o				h	grn	chl, epi	p	epi in frs		hem			mafic→hem	
LS-099	Camiña	7861109	447776			Kc(i)	Ss	purple-red			m	s						o				h	red	hem	o		red	hem				
LS-100	Camiña	7861804	448102	S-029	O,P	Kv(i)	And	dk grn	<1	gl	h	–		diss			py (h)	p			chl	h	dk grn	chl, silica, ...	p			Lim			lim in frs	
LS-101	Camiña	7861834	448094	S-030	G,T	Tgd	Di-po	dk grn-bk	1-2	hol-po	h	–	intruded in prop & shale (N42W25N bp, lim-sil-py fog)									m	grn	chl, silica	p	Fe-oxi,						
LS-102	Camiña	7861889	448100	S-031	G,X	Kc(i)	Shale	wt-gry			h	–	N42W25N bp	diss			py (m)	p				h	wt	qz, mont, gyp	s			Lim				
LS-103	Camiña	7861990	448095	S-032	G,T,D	Tgd	Qz-po	wt-gry	2-3	po	h	–	v. crystalline, qz-kf rich									s	grn	chl	p	mafic→chl	brwn	lim			lim in frs	56.9±2Ma (whole r.)
LS-104	Camiña	7862279	447949	S-033	O,P,X,D	Tgd	Qz-po	wt	2-3	po	h	–		diss			py (m)	p				h	wt	qz, ser	f		brwn	lim			lim in frs	63±2Ma (whole r.)
LS-105	Camiña	7862497	447861	S-034	G,T,R	Tgd	Di-po	bk-dk grn	1-2	hol-po	h	–	wd: 20m, N40W70S, oriented sample; R①N28W19E, ②N6W33E, ③N25W22E	diss			py (s)	p				m	grn	chl, (epi)	p	epi in frs						
LS-106	Camiña	7862550	447884	S-035	O,P	Tgd	Di-po	gry-wt	1-2	hol-po	m	–		diss			py, goe	p				h	gry-wt	ser?-jar	f		brwn	lim			lim in frs	
LS-107	Camiña	7862741	447785			Kgd	Di-po?	wt-gry, yel		hol-po?	s	h	prop-and?, Photo looking S					o				h	wt, grn-gry	ser, jar, ka	f		brwn	lim,gyp (h)				
LS-108	Camiña	7862865	447842	S-036	G	Kv(i)	And	grn-gry	2	gl-po	h	–		diss			py	p				m	grn	chl	p							
LS-109	Camiña	7862881	447979	S-037	G	Kv(i)	And	grn	1-2	gl-po	h	–		Qz v	wd: 1-2cm	rectilineal	–		milky, cos crystal	3 (in 5m)		h-m	grn	chl, epi	p							
LS-110A	Camiña	7861641	448148	S-038	T	Kv(i)	And	dk grn	max. pyrx: 1cm	bl	h	–	lg pyrx b And int, contact with prop; N60W85S									h	dk grn	chl	p							
LS-110B	Camiña	7861646	448150			Kv(i)	And	grn	1	gl	h	–	massive compact									h	grn	chl	p							
LS-111	Camiña	7861502	448170	S-039	G	vein	Qz v.						vein in contact between prop And and lg pyrx	Qz v	wd: 10cm	EW90	–		milky, massive	2 (in part)												
LS-112	Camiña	7861620	448337	S-040	G	Kc(i)?	Sil r	wt			vh	–	contact with G-po; N40W90-75W	diss	10m		py	p				vh	wt	qz	s			lim		py	lim in frs	
LS-113	Camiña	7861526	448656	S-041	G	Tgd	Di-po	bk	1-2	hol-po	h	–		diss			py (h)	p				vs	grn	chl	p							
LS-114	Camiña	7861390	448745	S-042	G	Tgd	Qz-po (G-po)	wt	2-3	po	vh	–		diss	200m+		py (h)	p				h	wt	qz, ser	f		brwn	lim			lim in frs	
LS-115	Camiña	7861234	448730			Qvc	Cgl	gry					polymictic (G, Po, Weld tf, etc), under Ignimbrite																			
LS-116	Camiña	7861643	448751			Tgd	Di-po	grn		hol-po	h	–										h	grn	chl>epi	p							
LS-117	Camiña	7861696	448798			Kv(i)	Tf-bre	grn	1-2	gl	h	–	qz	diss			py (s)	p				h-m	grn	chl	p							
LS-118	Camiña	7861725	449170	S-043	G	Tgd	Di-po	dk grn	1-2	hol-po	h	–		diss			py (in part)	p				h	grn	chl, silica	p			lim			lim in frs	
LS-119	Camiña	7861982	449191	S-044	G	Kv(i)	Tf-bre	grn						diss			(py), lim	o				h	grn	chl>ser	f		brwn	lim	fog	py		
LS-120	Camiña	7861611	448377	S-045	R,D,T	Tgd	Di	bk-dk grn	1-2	hol-po	h	–	oriented sample; R①N64E30S, ②N72E23S, ③N32W50E									s	dk grn	chl	p							58.8±2Ma (whole r.)
LS-121	Minimiñe	7879080	428782			Qvr	Pum Tf	wt-gry	2		s	h	N42W30WS bp, bi>qz rhyolitic fresh																			
LS-122	Minimiñe	7880062	429896			Qvr	weld Tf	red	2	gl	h	–	qz>bi rich rhyolitic, h-weld,																			
LS-123	Minimiñe	7881881	438081			Qvr	weld Tf	gry		gl	h	–	qz-bi-ho-pyrx?, platy jo, with base of red glassy vol-bre													mafic-iddingsite						
LS-124	Minimiñe	7877797	428044			Qvc	Sand	dk gry			vs	vh	v. loose, semi-consolidated																			
LS-125	Codpa N	7922636	425619			Tig	weld Tf	purple gry	2-3	gl	m	–	qz>>bi (phl), h-weld, cryst tf, flat																			
LS-126	Codpa N	7925562	426572			Tig	weld Tf	purple gry	2-3	gl	m	–	qz>>bi (phl), h-weld, cryst tf, flat																			
LS-127	Codpa N	7931148	431690			Tig	weld Tf	purple gry	2-3	gl	m	s	qz-bi, w-weld																			
LS-128	Codpa N	7931118	432539			Tig	weld Tf	purple gry	2-3	gl	m	s	weld																			
LS-129	Codpa N	7931631	433512			Tig	weld Tf	purple gry	2-3	gl	m	s	qz-bi, w-weld																			
LS-130	Codpa N	7936917	442512			Tig	weld Tf	purple	2-3	gl	vh	–	qz>>bi, h-weld																			
LS-131	Codpa N	7927350	439925			Tig	weld Tf	purple	2-3	gl	h	–	qz>>bi, h-weld																			
LS-132	Codpa N	7918818	426862	S-046	R	Tgd	Qz-di	dk gry	3	hol-gr	h	–	oriented sample; R①N83W33N, ②N24W12W, ③N89W18N									vs		chl	p							
LS-133	Codpa N	7918323	433010	S-047	R	Tig	weld Tf	purple gry	2-3	gl	h	–	qz>>bi (phl), oriented sample; R①N16E18W, ②N56W42S, ③N41E46N																			
LS-134	Tignamar NW	7940556	447822			Qvr	Sand	dk yel			vs	h	unconsolidated gravel>sand (talus dep), angular peb, inc Bs bre/block																			
LS-135	Tignamar NW	7940390	447731			Qvr	Cgl	yel-brwn	2	gl	h	–	peb: qz rich rhyo weld tf, flat																			
LS-136	Tignamar NW	7940405	448166			Qvr	Pum Tf	wt	1-2		vs	h	bi-qz rich rhyolitic, loose, covered by																			
LS-137	Tignamar NW	7939985	448707	S-048	T,X	Qv	Bs	dk gry	1	gl	h	–	platy jo, comp, overlay pum tf									vs	grn	epi, (chl)	p	ol→epi						
LS-138	Camarones	7905852	435290			Tgd	Qz-po	wt	5	po	h	–		diss			oxi.-Cu	cu-ox				h	wt	ser	f							

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LS-139	Putre SE	7962594	475788			Qvr	rhy ash	wt			vs	h	slightly consolidated, qz-feld-glass-bi (phl), inc pumice (rich), frag (ignimb																			
LS-140	Putre SE	7957677	482780			Qv	Da/Rhy	wt	1-3	gl	m	s	porous lava, ho rich -qz-bi																			
LS-141	Putre SE	7971709	479656			Tgd	Da-po	dk gry	2	gl-po	h	–	qz-feld-ho					o				m	brwn	(chl)	p	weathered	brwn	hem,(lim)				
LS-142	Putre SE	7973970	484629			Qvr	weld Tf	purple	2	gl	vh	–	qz>>bi (phl) rhyolitic																			
LS-143	Putre SW	7960308	420224	S-049	D,T	Kgd-Tgd	Gd	dk gry	2	hol-gr	h	–	bi fresh -(ho), jo: N10W85W																			65±2Ma (biotite)
LS-144	Putre SW	7960281	419788	S-050	T	Kgd	G	wt-pink	1-2	hol-gr	h	–	pink feld-qz-tou, intrude into Gd													tou spotted						
LS-145	Putre SW	7961857	420228			Kgd	Gd	grn-gry	3-5	hol-po	h	–										s	grn	chl, (epi)	p							
LS-146	Arica NE	7973616	410052			Kc(i)	And	grn	1-2	gl	m	s	v. fractured									h	grn	epi>>chl	p							
LS-147	Arica NE	7973856	410795			Kc(i)	Tf	grn			h	–	N14W50W bp									h	grn	epi>>chl	p							
LS-148	Arica NE	7973973	411453			Jm(m)	Shale	bk			h	–	N30W40SW bp, contact with dac tf alternated																			
LS-149	Arica NE	7973981	411464			Jm(m)	Da Tf	grn	2		h	–	qz b tf, overlaid by bk shale									h	grn	chl, epi	p							
LS-150	Arica NE	7974192	413054	S-051	D,T	Tgd	Gd	gry	2	hol-gr	h	–	qz-bi rich, fresh																		w-weath along frs	
LS-151	Arica NE	7971744	408231			Tc	Ss	gry			h	–	f Cgl-cos Ss, under Ignimb with angular peb																			
LT-001	Guatacondo	7699890	489656			Qcp	Sand	gray				m																				
LT-002	Guatacondo	7700120	492617			Jm(s)	Ss	gray				m																				
LT-003	Guatacondo	7700036	498200			Jm(s)	Shale	brown			h																					gray ss and red ss alt.
LT-004	Guatacondo	7700106	499002			Jm(s)	Shale	brown			h																					
LT-005	Guatacondo	7701434	499100			Jm(s)	Shale	gray			m																					
LT-006	Copaquiri	7701868	503082			Kv(i)	Tf-bre	gray			m	m																				
LT-007	Copaquiri	7697618	506667			Kv(i)	And	brown	1~2mm pl	hem	h																					
LT-008	Copaquiri	7692451	507846			Kv(i)	And	dk.brwn	1~3mm pl	hem	h																					
LT-009	Copaquiri	7697614	446652			Jv(i)	sili rock	wt			h											m	wt	sili	s							
LT-010	Guatacondo	7701008	499470			Jm(s)	Ss	brwn,bl			h																					
LT-011	Guatacondo	7702418	499640			Jv(i)	Da	wt			h											h	wt	sili	s							gray and black color alt.
LT-012	Copaquiri	7702319	501524			Kv(i)	And	gray	1~2mmpl	hem	h																					
LT-013	Copaquiri	7702390	505349			Kv(i)	Tf-bre	dk.brwn			h																					
LT-014	Copaquiri	7695874	506344			Kv(i)	Da	wt			h											h	wt	sili,hem	s							
LT-015	Copaquiri	7692497	508732			Kv(i)	And	dk.gray		hem	h																					
LT-016	Copaquiri	7690693	515721			Kv(m)	And	gray		hem	h																					
LT-017	Copaquiri	7691614	517200			Kv(m)	Tuff	brown			h																					
LT-018	Copaquiri	7692244	518949			Kgd	Gd	dk gray	1~2mm qt	hol gr	h																					
LT-019	Copaquiri	7690732	520990			Kv(m)	Tf-bre	gray			h																					
LT-020	Copaquiri	7687427	524029			Kv(m)	and Tf	gray			h																					
LT-021	Copaquiri	7684771	524250			Kv(m)	Andtic r	gray			h																					
LT-022	Copaquiri	7692240	518329	T-001		Kv(m)	Andtic r	dk gray			h	m																				
LT-023	Ujina	7683132	526964	T-002		Kv(i)	da Tf	gray			h	m										h	wt	sili	s		dk gray	ox cp				waste
LT-024	Copaquiri	7682356	525789			Kv(i)	Qz-po	brown	1~2mm qt	po	h																					
LT-025	Copaquiri	7681926	524623			Kv(i)	Tf-bre	brown			h	m		diss			ox.cp	cu-ox				h	brwn	lim,sili	s							
LT-026	Ujina	7683644	528713			Jv(m)	Da	gray	1~2mm	hol	h																					
LT-027	Ujina	7682958	528835			Jv(m)	and Tf	dk gray			h							o				h	gry	hem,lim	o							
LT-028	Ujina	7684709	529983			Kv(i)	And?	brown	2~3mm pl	po	h																					
LT-029	Ujina	7683021	531934			Jv(m)	And	brown	2~4mm pl	po	h	m																				
LT-030	Ujina	7685521	528485			Kv(m)	And	brown	2~3mm pl	po	h																					
LT-031	Ujina	7686458	529525			Kv(m)	and Tf	gray			m	m																				
LT-032	Ujina	7688547	529090			Kv(m)	And	dk gray	1~3mm pl		vh																					
LT-033	Ujina	7691285	526615	T-003		Kv(m)	And?	black			h							o				h	bl	hem	o							
LT-034	Copaquiri	7694214	525908	T-004		Kv(m)	And	dk gray	3~5mm pl	po	h											s	gr	bio,tou,ser	f							
LT-035	Copaquiri	7695115	526020			Kv(m)	da Tf	wt			h	m										h	wt	sili,hem	s							
LT-036	Copaquiri	7697510	524830			Tgd	Qz-po	red. Wt	2~3mm pl	po	h	m																				
LT-037	Copaquiri	7699493	524578			Pzg	G	gray	2~3mm qt pl	hol- po	h											h	wt	epi,bi	p							
LT-038	Copaquiri	7704020	522264			Kv(i)	and Tf	dk gray			h											h	brwn	sili	s							
LT-039	Copaquiri	7704462	522378			Kv(i)	And	dk brown	0.5mm pl	hem	h																					
LT-040	P.Lirima	7804387	511717			Qv	And	dk gray	1~2mm	hol	h	m										h	wt	ka,ser	f							
LT-041	P.Lirima	7804387	511717			Qv	Tf-bre	lt-gray			m	m										h	wt	ser,ka	f							
LT-042	P.Lirima	7804676	509736			Qv	Po	wt	0.5~1mm	hol-po	m	m		diss			py	p				h	wt	ser,ka,hem	f							
LT-043	P.Lirima	7803178	506977			Tgd	Qz-po	ye-wt	2~3mm	po	s	h		diss			py	p				s	wt	ka,he,lim	a							
LT-044	P.Lirima	7802191	505827			Kgd	G	gray	2~3mm pl,qz	hol-gr	h																					
LT-045	P.Lirima	7801962	505055			Tgd	Gd	gray	2~3mm	hol-gr	h	s										h	wt	bi	k							
LT-046	Qu.Elizabeth	7801465	503886			Tgd	Gd	gray	1 ~2mm	hol-gr	h			v	0.5		py	p														
LT-047	Qu.Elizabeth	7803130	502796			Kgd	Gd	wt	1~2mm	hol-gr	m	m		v	2	N80W	ox. cp	cu-ox		3/m	qz	m	wt	ser,lim	f							
LT-048	Qu.Elizabeth	7803352	500858			Kgd	Gd	gray	2~3mm	hol-gr	h																					
LT-049	Qu.Elizabeth	7803577	498455			Kgd	Gd	gray	1~2mm	hol-gr	h																					
LT-050	Qu.Elizabeth	7804337	496482	T-005	O,P	Kgd	sili rock	red,white			h	m		v	2.0+	N80W			gray		qz	h	wt	sili,hem	s							
LT-050	Qu.Elizabeth	7804337	496482	T-006	F	Kgd	sili rock	red,white			h	m		v	2.1+	N81W			gray													
LT-051	Qu.Elizabeth	7804831	495581			Kgd	Di	gray	1~2mm	hol-gr	h											h	gry	epi,chl	p							
LT-052	Qu.Elizabeth	7802764	496105			Kgd	Gd	gray	1~2mm	hol-gr	h																					
LT-053	Tarapaca	7794112	434019	T-007	T	Kgd	Tf-bre	brown			h																					
LT-054	Tarapaca	7798854	449450			Qvc	Sand	wt			s	s																				
LT-055	Tarapaca	7801031	452097	T-008	D,T	Kgd	Gd	red,gray	1~2mm	hol-gr	h													chl,tit	p	zir						
LT-056	Tarapaca	7802084	452189			Kv(i)	And	dk gray	1~2mm	hem	h											h	ligry	epi,chl,tit,	p	zir						
LT-057	Tarapaca	7802603	452683			Jv(i)	And	dk gray	1~3mm	hem	h																					
LT-058	Tarapaca	7803221	453268			Kv(i)	hard Shale	gray			h																					
LT-059	Tarapaca	7803223	453358			Kv(i)	Shale	black			h																					
LT-060	Tarapaca	7804213	454768			Kv(i)	Tf-bre	brown			h																					
LT-061	Pachica	7803916	457101			Kv(i)	Ss	black			h																					
LT-062	Pachica	7803780	459155	T-009	T	Kgd	Gd	gray	0.5 ~1mm	hol	h											h	gry	chl	p							
LT-063	Pachica	7803846	460526			Kgd	Gd	red gray	1~2mm	gr	h											h	li,gry	chl,bi	p							
LT-064	Pachica	7804006	461633			Kv(i)	Ss	gray			h			diss			py	p				h	gry	sili	s							
LT-065	Pachica	7803964	461957	T-010	G	Kv(i)	sili rock	lightgray			h	m		diss			py	p				h	red	ka	a							
LT-066	Pachica	7803934	462105	T-011	G,X	Kv(i)	sili rock	lightgray			m	m		diss			py	p				h	yel	kf,ser	f		red	hem,lim, gyp				
LT-067	Pachica	7804090	462392	T-012	G,X	Kv(i)	sili rock	gray			h	m		diss			py	p				h	red	kf	a		red	lim,hem,ja, gyp				
LT-068	Pachica	7804180	462688	T-013	G	Kv(i)	sili rock	gray			m	m		diss			py	p			cal	s	yel	ka	a		red	hem,lim				
LT-069	Pachica	7804220	463049	T-014	G,X	Kv(i)	Ss	wt			m	m		v				o				h	yel	cal	o		red	hem,lim				
LT-070	Pachica	7803906	461067	T-015	T	Kgd	Gd	dk gray	1~2mm	gr	h											s	gry	chl,tit	p	zir						
LT-071	Pachica	7804359	464770	T-015b	G,X	Kv(i)	And	lightgray			s	h		v	20cm	N65W						s	yel	cal,goe	o		red	cal,goe				
LT-072	Pachica	7804316	464732	T-016		Kv(i)	And	dk gray			h																					

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LT-073	Pachica	7804213	464813	T-017	G	Kv(i)	And	ye-wt			s	h						o			cal,qz	s	yel	cal	o		red	hem				
LT-074	Pachica	7804090	464780	T-018	G	Kv(i)	And	ye-wt			s	h						o				s	yel		o		red	hem				
LT-075	Pachica	7804452	464541	T-019	G	Kv(i)	And	ye-wt			s	h		v	1～2mm	N20E		o	gray	2～3/m	qz	s	yel		o		red	hem				
LT-076	Pachica	7804793	464348			Kv(i)	And	dk gray	2～3mm		h											h	bl	sili	s							
LT-077	Chusmisa	7825564	483354	T-020	R,T	Kv(i)	Ss	gray		clastic	h											h	gry	epi,chl,ser	f							
LT-078	Chusmisa	7825326	482896			Tig	Ignim	wt	2～3mm		h	h																				
LT-079	Chusmisa	7825423	482866			Kv(i)	Ss～Ms	gray			h																					
LT-080	Chusmisa	7825294	482540			Kv(i)	Ss	gray			h											h	gry	epi	p							
LT-081	Chusmisa	7824778	481638			Kv(i)	Ss	gray			h											h	gry	epi	p							
LT-082	Chusmisa	7824126	480745			Kc(i)	fine Ss	gray			h																					
LT-083	Chusmisa	7823416	479801			Tig	Ignim	gray	2～3mm		h	m																				
LT-084	Chusmisa	7823114	479111			Qv	Bs	gray			h																					
LT-085	Chusmisa	7820852	477672			Tig	Ignim	dk gray			h	m																				
LT-086	Guavina	7811692	476375			Kv(i)	Ss	red brown			m	m																				
LT-087	Guavina	7811676	477045			dyke	And	dk green		hem	m	m	wd,3m																			
LT-088	Guavina	7811902	477773			Kv(i)	Cgl	brown			h																					
LT-089	Guavina	7813050	482351			Kv(i)	And bre	brown			h																					
LT-090	Guavina	7813199	485050			Kv(i)	And bre	brown			h	m																				
LT-091	Guavina	7813188	485373	T-021b		Tgd	Da	wt	1～3mmqz		h																					
LT-092	Chusmisa	7823891	481089			Kv(i)	Tuff	green			h																					
LT-093	Chusmisa	7830814	475831			Kv(i)	da bre	lightgray			h																					
LT-094	Chusmisa	7830875	475952	T-022	G	Kv(i)	sili bre	black			h			diss			py,lim	p				h	bl	silica,lim	s							
LT-095	Chusmisa	7831144	476504			Kv(i)	And	dk gray			h																					
LT-096	Chusmisa	7830951	476185	T-023	T	Kv(i)	bre	black			h											h	bl	chl,amp	p	bio,chl						
LT-097	Chusmisa	7831280	477434	T-024	G	Kv(i)	sili rock	black			h	m		diss			py	p				h	gry	silica,lim	s							
LT-098	Chusmisa	7831020	477988			Tig	Gd	wt,pink	1～2mm	gr	h																					
LT-099	Chusmisa	7838278	477211	T-025	G	Kv(i)	Da	wt	1～2mm	hem	h																					
LT-100	Chusmisa	7838226	477284	T-026	G	Kv(i)	Da	wt			h			diss			py	p				h	wt	silica,lim	s							
LT-101	Chusmisa NE	7832562	501701	T-027	G,X	Qv	Tuff	ye-wt			s	h										s	yel	sili,tre,ka	a							
LT-102	Chusmisa NE	7832286	501917	T-028	G,X	Qv	alt rock	brown			m	h						o				s	brwn	sili	s		brwn	hem,lim				
LT-103	Chusmisa NE	7832278	501834	T-029	G,X	Qv	da rock	wt			h											h	wt	sili,al	a							
LT-104	Chusmisa NE	7832164	501993	T-030	X	Qv	da rock	wt	1～2mm		s	h										s	yel	mont								
LT-105	Chusmisa NE	7832107	502076	T-031	G,X	Qv	da rock	wt			s	h					hem,lim	o				s	brwn	sili,ja	o		brwn	hem,lim	fog.?			
LT-106-1	Chusmisa NE	7831994	502137	T-032	G,X	Qv	alt rock	wt	2～3mm qz		s	h						o				h	wt	sili	s		brwn	hem				
LT-106-2	Chusmisa NE	7831931	502374	T-033	G,X	Qv	Qz-po?	wt	2～3mm qz		s	m						o				h	wt	sili,ka,	a		red	hem				
LT-107	Chusmisa NE	7831898	502577	T-034	D,T	Qv	Da	black	2～4mm qz,bio	po	h											s	wt	ka	a							
LT-108	Chusmisa NE	7831779	502758			Qv	Bs	black			h																					
LT-109	Chusmisa NE	7831788	502754	T-035	X	Qv	alt rock	wt			s	h										s	wt	amor								
LT-110	Chusmisa NE	7833030	500918	T-036	X	Qv	Tuff?	wt			s	h										s	wt	al	a							
LT-111	Chusmisa NE	7836728	500681	T-037		Qv	And	brown	1～2mm		h	m																				
LT-112	Chusmisa NE	7826283	492489	T-038	G,X	Qv	alt rock	wt			s	h						o				s	wt	sili,ka	a		red	hem,lim	fog?			
LT-113	Chusmisa NE	7826563	492261	T-039	G	Qv	alt rock	wt			m	m						o				m	et	sili,ka	a		red	hem,lim				
LT-114	Chusmisa NE	7827062	492506	T-040	G	Qv	alt rock	brown			m	m		v	wd.5～10	N50W		o				m	gry	sili,ka	a		red	hem,lim	fog?			
LT-115	Chusmisa NE	7827113	492541	T-041	G,X	Qv	sili rock	gray			h	s		v	10～15m	N40E		o	gray		qz	h	wt	sili,ka	a		red	hem,lim				
LT-116	Chusmisa NE	7827321	492520	T-042		Qv	sili rock	dk gray			h		hornfels?									h	bl	sili,ka	a							
LT-117	Chusmisa NE	7826209	477462			Qv	And	dk gray			h	m																				
LT-118	Chusmisa NE	7823085	474601			Qv	Ignim	red brown	2～3mm		h																					
LT-119	Pailca	7832372	454211			Tig	pum Tf	pink			s	h																				
LT-120	Pailca	7833432	456365			Tig	pum Tf	pink			s	h																				
LT-121	Q.Pumiri	7880447	472406			Qv	And	gray			h	m																				
LT-122	C.Pumiri	7877150	474950			Qv	And	gray			h	m																				
LT-123	C.Pumiri	7873958	477210	T-043	G,X	Qv	sili rock	lightgray			s	m						o				m	wt	ka,al	a	opal-CT	red	hem,lim				
LT-124	C.Pumiri	7873921	477465	T-044	X	Qv	Ss	wt			s	h										s	ye	mont,ja	o							
LT-125	C.Pumiri	7873675	477802	T-045	G	Qv	Tuff	wt			s	h						o				m	gry	hem,ka	a		red	hem				
LT-126	C.Pumiri	7873162	478320	T-046	G	Qvr	sili rock	wt			h	m										m	wt	sili,hem	s							
LT-127	C.Pumiri	7872996	479289	T-047	X	Qvr	Ss	wt			m	m										m	wt	ka,al	a	opal-CT						
LT-128	C.Pumiri	7872996	479289	T-048		Qvr	Ss	red			s	h																				
LT-129	C.Socora	7871129	481064	T-049		Qvr	Ss	wt			s	h										s	wt	ka	a							
LT-130	C.Socora	7871068	481205	T-050	G	Qvr	alt rock	red			s	h						o				s	red	hem,lim,ka	a		red	hem,lim				
LT-131	C.Socora	7870107	481339	T-051	G,X	Qvr	Tuff	wt			s	h										m	gray	hem,ka	a	opal-CT						pit wd.1m×L2m×H2m
LT-132	C.Socora	7867899	485146			Qvr	Tuff	gray			s	h																				
LT-133	C.Socora	7868576	487294	T-052		Qv	And	gray	2～3mm pl	hem	h																					
LT-134	V.Islug	7872213	504137			Qvr	Ignim	gray	1～2mm		h	m																				
LT-135	C.Pumiri	7872504	496755			Qv	Ignim	brown	2～3mm pl bio		h																					
LT-136	C.Pumiri	7872474	490106			Qv	Ignim	gray	2～4mm qz		h																					
LT-137	C.Pumiri	7869848	482081	T-053	X	Qvr	sili rock	wt			m	h										m	wt	mont,ka	a							
LT-138	Camiña	7868251	458406			Qv	Bs	black			h																					
LT-139	Camiña	7867486	457459			Qv	Bs	black			h																					
LT-140	Camiña	7866691	454314			Qv	Bs	black			h																					
LT-141	Camiña	7866258	450990			Qv	Bs	black			h																					
LT-142	Camiña	7864298	448289			Qv	Bs	black			h																					
LT-143	Camiña	7862978	444930			Qv	Bs	black			h																					
LT-144	Camiña	7862599	443966			Qv	Bs	black			h																					
LT-145	Nama	7877420	460114			Tig	Ignim	brown	1～2mm		m	m																				
LT-146	Nama	7877595	459140			Tig	Ignim	brown			m	m																				
LT-147	Nama	7878223	456995			Tig	pum Tf	wt			s	h																				
LT-148	Nama	7878023	455972			Tig	pum Tf	wt			s	h																				
LT-149	Nama	7876150	453669			Tig	Ignim	gray	1～2mm qz,bio		m	m																				
LT-150	Camiña	7868587	453233			Qv	Bs	black			h	m																				
LT-151	Camiña	7868383	454564			Qv	Ignim	brown			h	m																				
LT-152	Camiña NE	7887966	468803	T-054		Qv	Bs	black			h																					
LT-153	Camiña NE	7888125	467352			Qv	Bs	black			h																					
LT-154	Camiña NE	7889845	467650	T-055	D,T	Qv	And	gray		po	h		plug																			10.4±0.4 Ma (whole rock)
LT-155	Camiña NE	7890030	467820	T-056		Qv	Bs	black			h																					
LT-156	Camiña NE	7890436	468259			Qv	Bs	black	fine		h																					
LT-157	Miñita	7889862	437976			Qv	pum Tf	wt			s	h																				
LT-158	Miñita	7890409	438524			Qv	Ignim	brown			m	m																				
LT-159	Minimiñe	7878473	427988	T-057		Qv	And	dk gray			h																					
LT-160	Minimiñe	7878962	428141		G,X	Qv	And	dk gray			h																					
LT-161	Codpa	7916799	428926			Tig	Ignim	gray	1～2mm		m	m																				
LT-162	Codpa	7918599	425986			Tig	Ignim	wt			m	h																				
LT-163	Codpa	7915792	432933			Tig	Ignim	gray	2～3mm qt		h																					
LT-164	Codpa	7915705	436410			Tig	pum Tf	wt			s	h																				
LT-165	Codpa	7918072	441924			Tig	Ignim	wt	2～3mm qt		s	h																				
LT-166	Sucuna	7920279	447802			Tig	Ignim	wt	1～2mm bio		m	h																				
LT-167	Sucuna	7924108	454630			Tig	Ignim	wt	2～3mm qz bio		m	m																				
LT-168	Sucuna	7923341	463063			Tig	Ignim	wt	2～4mm qz		s	h																				
LT-169	Tignamar NW	7927296	462119			Tig	Ignim	brown	1～2mm qz		m	m																				

AP-8 Observed Features on Survey Routes (Phase 3)

Outcrop No.	Location	Coordinate		Sample No.	LGbo. Work	Rock Facies								Mineralization								Alteration					Oxization/Leaching					Note
		N	E			Formation/Intrusive	Rock name	Color	Size of phenocryst (mm)	Crystallinity	Hardness	Porosity	Others	Type	Size	Structure	Ore min.	for mapping	Tex. Qz	Qz vein density (no./m)	Gangue min.	Intensity	Color	Minerals	Type	Others	Color	Minerals	Boxwork type	Relict Min.	Others	
LT-170	Tignamar NW	7929865	459191			Qv	Ignim	gray			m	m																				
LT-171	Tignamar NW	7931232	458543	T-058	X	Qv	Tuff	wt			s	h						o				s	wt	ka	a		red	lim				
LT-172	Tignamar NW	7932810	457274	T-059		Qv	alt rock	wt			m	m										m	wt	ka	a							
LT-173	Tignamar NW	7933410	456471			Qv	And bre	wt			m	m										m	wt	ka	a							
LT-174	Tignamar NW	7935860	454661			Qv	And	gray	1~2mm pl		h																					
LT-175	Codpa N	7926717	424722			Tig	Ignim	brown	2~3mm qz		m	m																				
LT-176	Codpa N	7921316	425489			Tig	Ignim	brown	2~3mm qz		h																					
LT-177	Codpa N	7922903	427308			Tig	Ignim	brown	1~2mm qz		m	m																				
LT-178	Codpa N	7923679	428483			Tig	Ignim	brown	1~3mm qz		m	m																				
LT-179	Codpa N	7921189	424009			Tig	Ignim	brown	2~3mm qz		m	m																				
LT-180	Tignamar N	7947340	448682			pC	Qz-schist	green			m	m	fault zone N40E																			
LT-181	Tignamar N	7942486	450890	T-061		pC	Di	wt	2~3mm qz		h											h	wt,gry	chl	p						
LT-182	Tignamar N	7947099	449484			Kv(s)	And	gray	1~2mm pl		h																					
LT-183	Tignamar N	7946983	450879			Tgd	Qz-po	wt	1~2mm	po	s	m					ox-cp	cu-ox				s	wt	ka,ser	f		red	lim,ox-cp				
LT-184	Tignamar N	7946924	451586	T-062	D,X	Tgd	Qz-po	wt	2~3mm qz	po	m	m										m	wt	sili,ser	f							
LT-185	Tignamar N	7946985	452093	T-063	T	Tgd	Di-po	gray	2~3mm qz	po	h											h	gry	epi,chl,bio	p							
LT-186	Tignamar N	7949158	447472			Kv(s)	And	red brown	2~3mm fel	hem	h																					
LT-187	Tignamar N	7953067	446360			Kv(s)	pum Tf	wt	1~2mm bio		s	h																				
LT-188	Belen	7954368	445923			dyke	And	dk gray	2~3mm pl	po	h																					
LT-189	Belen	7956181	444528			Kv(s)	pum Tf	wt			s	h																				
LT-190	Belen	7958363	446219	T-064		Kv(s)	da-Tf	wt	2~3mm qz, bio		s	h																				
LT-191	Belen	7962395	446447	T-065		dyke	And	green	2~3mm pl	po	h		N70E																			
LT-192	Belen	7962347	446526	T-066	D,T	pC	Gneiss	dk gray	2~3mm pl,bio		h	s	N20W																			
LT-193	Putre S	7971189	442715	T-067	T	Tgd	Qz-po	wt	2~3mm qz	po	h											h	wt	chl,ser,tit	f							
LT-194	Putre S	7972202	443451	T-068	D,T	Tgd	Qz-po	gray	2~3mm qz	po	h			diss			py	p				h	wt	chl,ser,tit	f							13.7±0.7Ma (whole r.)
LT-195	Putre S	7972326	443595	T-069	G	Tgd	Qz-po	wt	2~3mm qz	po	h	m		diss			py	p				h	wt	chl,ser,tit	f							
LT-196	Putre S	7972567	443864	T-070	G,X	Tgd	Qz-po	wt	2~3mm qz	po	h	h						o				h	wt	chl,ser,tit	f		red	hem,lim				
LT-197	Putre S	7972567	443864	T-071		Tgd	Gd	gray	1~2mm qz	gr	h											h	dk.gr	ser,bio	f							
LT-198	Putre S	7971813	444366	T-072		Kv(s)	And	green			h		prop.									h	grn	bi								
LT-199	Putre S	7972472	444889	T-073	T	Tgd	Gd	gray	1~2mm qz	gr	h											h	grn	chl,epi	p							
LT-200	Putre S	7973028	445135	T-074	D,T	Tgd	Di-po	gray	<1mm	po	h											s	gr	epi,chl	p	zir						17.1±0.5Ma (biotite)
LT-201	Putre S	7973281	445878	T-075		Qvr	fine Tuff	red brown			h																					
LT-202	Putre S	7973544	449442			Qvr	Ignim	gray	2~3mm qz		h	m																				
LT-203	C.Tejene	7974880	451985			Qvr	Ignim	gray	2~3mm qz	gl	h	m																				
LT-204	C.Tejene	7974656	454915			Qvr	Ignim	gray	2~3mm qz	gl	h																					
LT-205	C.Tejene	7975013	456133			Qvr	Ignim	gray	2~3mm qz		h																					
LT-206	C.Tejene	7968083	463264			Qvr	Ignim	brown	2~3mm qz		h																					
LT-207	C.Tejene	7973969	470724	T-076		Kv(s)	alt rock	wt			h	s		diss			py					h	wt	sili,ser	f							
LT-207	C.Tejene	7973969	470724	T-077		Kv(s)	alt rock	wt			h	s						o				h	wt	sili,ser	f		red	lim,hem				
LT-208	Pachama	7962477	444137	T-078		Kv(s)	Tf-bre	green			h	m																				
LT-209	Pachama	7962746	446552			pC	Gneiss	dk gray	2~3mm bio		s	m																				
LT-210	Chapiquiña	7963590	446577	T-079	T	pC	Serpentinite	black		gl	h																					
LT-211	Chapiquiña	7965026	445606			Kv(s)	Ss	red brown			m	m																				
LT-212	Chapiquiña	7966142	445414	T-080	R,T	Tgd	Po	gr.green	v.fine	po	h											h	gr	epi,chl	p							
LT-213	Chapiquiña	7967302	442155			Kv(s)	Tf-bre	brown			m	m																				
LT-214	Chapiquiña	7968675	441766	T-081		Tgd	Di	gray	2~3mm pl	hol-po	h																					
LT-215	Chapiquiña	7968885	442144	T-082		Tgd	Gd	gray	<1mm qz	gr	h											h	gr	ep,chl	p							
LT-216	Chapiquiña	7969423	441725	T-083	G	Kv(s)	And	wt			s	h						o				s	wt	ser,he,lim	f		red	hem,lim				
LT-217	Chapiquiña	7970601	441612	T-084	G,X	Kv(s)	sili rock	wt			h	m		diss			py	p				h	wt	mont,ser	f		red	hem,lim				
LT-218	Putre S	7972020	440982	T-085	D,T	Tgd	Di-po	dk gray	<1mm qz v.fine	po	h											s	gr	mont,ser	f							14.1±0.6Ma (whole r.)
LT-219	Chapiquiña	7972326	439789			Kv(s)	And	dk green			m	m		diss			py	p				h	wt	mont,ser	f		red	hem lim				
LT-220	Putre S	7971473	440029	T-086	D,T	Tgd	Microdi	gray	<1mm qz v.fine	ophitic	h											h	gr	ser,he,lim	f							13.7±0.5Ma (whole r.)
LT-221	S. Surire	7923749	487597			Qv	Ignim	wt brown	2~3mm qz bio		m	m																				
LT-222	S. Surire	7925779	481241			Qv	Ignim	brown gr	2~3mm qz bio		m	m																				
LT-223	S. Surire	7927155	475901			Qv	And	gray	1~2mm	hem	h	m																				
LT-224	S. Surire	7928133	472468			Qv	Ignim	black	2~3mm qz		h	m	welded																			
LT-225	S. Surire	7927531	474384			Qv	And	gray	1~2mm pl	hem	h																					
LT-226	Putre S	7971856	441680			Kv(s)	sili rock	brown			h	m						o				h	wt	sili,lim	s		red	hem.lim				
LT-227	Putre S	7971906	441865	T-087		Kv(s)	Tuff	brown			h											h	brwn	sili	s	hornfels						
LT-228	Putre S	7972148	441968	T-088		Kv(s)	And	dk gray	2~3mm pl	po	h			diss			py	p														
LT-229	Putre S	7972486	441976	T-089	G	Tgd	Qz-po	wt	2~3mm qz	po	h			diss			py	p				h	wt	ser	f							
LT-230	Putre S	7972558	441987	T-090	G,X	Tgd	Qz-po	wt	3~4mm qz	po	h			diss			py	p				h	wt	kf,ser	f							
LT-231	Putre S	7973248	442211	T-091	G	Tgd	Qz-po	wt	2~3mm qz	po	h			diss			py	p				h	wt	ser	f							
LT-232	Putre S	7973726	442427	T-092	G	Tgd	Qz-po	wt	2~3mm qz	po	h	m		diss,v			py,lim	p				h	wt	sili,ser	f		red	lim				
LT-233	Putre S	7973760	442410			Tgd	Qz-po	wt	2~3mm qz	po	h			diss			py	p				h	wt	sili,ser	f							
LT-234	Putre SW	7960965	422064			Tig	Ignim	brown	2~3mm qz		h																					
LT-235	Putre SW	7961975	423717			Qcp	Ignim	brown	2~3mm qz		h																					
LT-236	Putre SW	7961367	424349			Tig	pum Tf	wt	1~2mm bio		m	m																				
LT-237	Arica E	7958328	413065	T-091b		Kc(l)	Ss	dk gray			h																					
LT-238	Arica E	7958097	412802	T-092b		Tig	Ignim	red brown	2~3mm qz, bi		h		welded																			
LT-239	Arica E	7957865	411738			Tig	Ignim	red brown	2~3mm qz, bi		h	m																				
LT-240	Arica E	7957276	410474			Tig	Ignim	red brown	1~2mm qz, bi		h	m																				
LT-241	Arica E	7957030	408616			Tig	pum Tf	pink			s	h										h	wt	sili,ser,ka	f							
LT-242	Putre W	7982502	423433	T-093	D,F,G,X	Tgd	alt rock	wt	2~3mm	po	h	m		stwk				o	gray			h	wt	sili, kf, mont, ser, ka	f		red	hem,lim				44.4±2Ma (ser)
LT-243	Putre W	7982487	423425	T-094	G	Tgd	alt rock	wt			h		Palmanilla	v	10	N-S 50E			gray	6~7/m	qz	h	wt	sili, kf, mont, ser, ka	f							
LT-244	Putre W	7982313	423556	T-095	D,T	Tgd	Gd	lightgray	2~3mm	equigr	h											m	gry	chl,ser	f							50.0±1.2Ma (bi)
LT-245	Putre W	7982370	423675	T-096	G	Tgd	sili rock	wt			h	m						o				h	wt	sili,ser,ka	f		red	hem				
LV-001	Mocha	7808332	470456			Kv(i)	And	green	1mm	hem	h	l										m	grn	ep, chl,	p							
LV-003	Mocha	7811040	470417			Tig	Tuff		1mm		m	m																				
LV-004	Pachica	7805186	465606			Kv(i)	And	green														m-s	grn	chl., mt., (ep)	p			hem				
LV-005	Pachica	7805186	465610			Kv(i)	And	green	1-2 mm	po	h												grn	chl., (ep)	p			hem				dike, width 4 m, N60W80-85NE
LV-006	Pachica	7805133	465685			Kv(i)	And	green	1-2 mm														grn	chl., mt., (ep)	p			hem				dike, width 5 m, N60E70SW
LV-008	Pachica	7804953	465817			Kv(i)	And		2 mm	po	h											m	grn	chl., mt., (ep)	p			hem				
LV-009	Pachica	7804844	465863			Kv(i)	And	green	1-2 mm	po	h													chl., mt., (ep)	p			hem				dike, width 4 m, N85E90
LV-010	Pachica	7804768	465992			Kv(i)	And	green	1-2 mm	po	h											m-s	grn	chl., mt., (ep, cal.)	p			hem				
LV-011	Pachica	7804669	466095			Kv(i)	Vol-bre	red-brown		po	h											m	red-brwn	chl., (cal.)	p			hem				
LV-012	Pachica	7804616	466120			Kv(i)	And	green	0.5 mm	po												m	grn	chl., mt.	p			hem				dike, width 6 m, EW90
LV-013	Pachica	7804616	466130			Kv(i)	And-Da	green-red	1-3 mm	po												m-s	grn-red	chl.,(mt.)	p			hem				
LV-014	Pachica	7804512	466275			Kv(i)	And-Da	green														m-s	grn-red	chl., (cal.)	p			hem				
LV-015	Pachica	7804400	466560			Kv(i)	And-Da	green														m	grn	chl., (cal.)	p			hem				calcite veins
LV-016	Pachica	7804357	466745			Kv(i)	And-Da	green	1-3 mm	po	h											m-s	grn	chl., (cal.)	p			hem				calcite veins
LV-017	Pachica	7804281	466828			Qv	Bs-And	dk.	1-2 mm	po												s	dk.	chl., (cal.), mt.	p							
LV-018	Pachica	7804275	466880			Qv	Bs-And	dk.														s	dk. grn	chl., mt.	p							

AP-9 Drilling Machine and Equipment Used

Drilling Machine Model	**Schramm T-685 W**
Specifications:	
Capacity	800m 4½" RC (vertical in ideal dry hole conditions)
Dimensions (L x W x H)	11.5m x 2.5m x 3.7m
Weight	34,000 kg's
Engine Model	Cummins KTTA-19C
Engine HP	650 bhp (485 kw) @ 2,100 rpm
Compressor Model	GHH Rand CF-1000
Compressor Capacity	500PSI @ 1,000 CFM
Rig Carrier	Ford LTS 9000
Engine	Cummins L10, 6 cyl Turbocharged
Auxillary Compressor / Booster	**Western Air (Australia)**
Auxillary Compressor Model	Sullair
Auxiliary Compressor Capacity	350 PSI @ 1350 CFM
Compressor Engine Drive	Caterpillar 3408, 8 cyl Turbocharged (550 hp)
Compressor Booster Model	Ariel JGP-2
Compressor Booster Capacity	900 PSI @ 1,800 CFM
Booster Engine Drive	Caterpillar 3208, 8 cyl Turbocharged (230 hp)
Carrier	Ford LNT 8000
Carrier Engine	Caterpillar 3208, 8 cyl Turbocharged (230 hp)
Capacity	20,000 kg's
Rod carrier support truck Model	**Ford LTS 9000**
Engine	Cummins L-10, 6 cyl. Turbocharged (250 hp)
Capacity	550m 4½" rod carrying capacity with 8,000 litres water and 2,000 litres diesel (29,000kg's)
Water truck Model	**Ford LNT 8000**
Engine	Caterpillar 3208, 8 cyl. Turbocharged (230 hp)
Capacity	20,000 kg's
Bulk Diesel Fuel Truck (Hired)	
Model	Mercedes Benz
Capacity	10,000 litres
Drilling Tools Used	
Drilling Rods	Remet 4½" x 6m RC pipe (manufactured in Australia)
Hammer	Digger RC 140 (manufactured in Australia)
Casing	6" Schedule 40 blackline pipe

AP-10 Drilling Meterage of RC Percussion Bits Used

Size	Comments	Bit No.	Drilling Meterage												
			MJC-1	MJC-2	MJC-3	MJC-4	MJC-5	MJC-6	MJC-7	MJC-8	MJC-9	MJC-10	MJC-11	MJC-12	Total (m)
5¾"	New bit	IZ25	348.00												348.00
5¾"	New bit	54HF		300.00											300.00
5¾"	Resharpen	54HF		200.00											200.00
5¾"	Resharpen	54HF			500.00										500.00
5¾"	New bit	SN				500.00									500.00
5¾"	New bit	L492					500.00								500.00
5¾"	New bit	C492						110.00							110.00
5¾"	New bit	B992						292.00							292.00
5¾"	New bit	TP4							270.00						270.00
5¾"	Resharpen	TP4							112.00						112.00
5¾"	New bit	C492								312.00					312.00
5¾"	Resharpen	C492								188.00					188.00
5¾"	New bit	HF30									438.00				438.00
5¾"	Resharpen	HF30									62.00				62.00
5¾"	New bit	30195										204.00			204.00
5¾"	Resharpen	30195										190.00			190.00
5¾"	New bit	HT7											170.00		170.00
5¾"	Resharpen	HT7											330.00		330.00
5¾"	Resharpen	30195												300.00	300.00
Total	11		348.00	500.00	500.00	500.00	500.00	402.00	382.00	500.00	500.00	394.00	500.00	300.00	5,326.00
			.Drilling length (m) / bit (5326m)/11pcs												484.18

AP-11 Consumables Used

	MJC-1	MJC-1A	MJC-2	MJC-3	MJC-4	MJC-5	MJC-6	MJC-7	MJC-8	MJC-9	MJC-10	MJC-11	MJC-12	Total
Light oil (lit.)	12,764	1,800	3,090	5,780	2,500	11,280	8,470	9,030	4,800	6,000	3,000	2,500	6,000	77,014
Hydr. oil (lit.)	211	38	77	38	20			278		140	1	39	38	880
Engine oil (lit.)	60		3		2	1		2		2	59			128
Liquipol (lit.)	19	7	13		2		28	10	15	15	7	33	3	152
Foam (lit.)		9	2				38		4	15	5		7	80
Gypsum (bag)		3					2		3					8
Soda ash (kg)	50													50

AP-12 Working Time Analysis of the Drilling Operation

Hole No.	Bit Size	Drilling length	Shift		Man Working		Working Time									
			Drilling	Total	Engineer	Worker	Drilling	Other work	Recover-ing	Sub total	Reassem-blage	Disman-tlement	Road Construc-tion	Transpor-tation	Water supply	Grand total
		(m)	(shift)	(shift)	(man)	(man)	(h)	(h)	(h)	(h)	(h)	(h)	(h)	(h)	(h)	(h)
MJC-1	7″	12	0.8	7.0	7.6	37.8	4.0	0	0	4.0	0.5	0	65.0	10.0	0	79.5
	5.5″	184	5.8	5.8	17.0	40.0	5.5	11.0	48.5	65.0	0	0	0	0	5.0	70.0
	Total	196	6.6	12.8	24.6	77.8	9.5	11.0	48.5	69.0	0.5	0	65.0	10.0	5.0	149.5
MJC-1A	7″	24	1.2	1.3	1.3	3.2	6.0	0	0	6.0	0.5	0	0	0.5	0	7.0
	5.5″	324	3.8	4.0	10.7	26.8	21.5	16.0	16.5	54.0	0	2.5	0	0	4.0	60.5
	Total	348	5.0	5.3	12.0	30.0	27.5	16.0	16.5	60.0	0.5	2.5	0	0.5	4.0	67.5
MJC-2	7″	30	0.9	2.1	6.5	15.9	8.5	0	0	8.5	3.0	0	5.0	7.5	0	24.0
	5.5″	470	3.7	3.7	8.8	21.7	24.5	14.5	0	39.0	0	10.0	0	0	2.0	51.0
	Total	500	4.6	5.8	15.3	37.6	33.0	14.5	0	47.5	3.0	10.0	5.0	7.5	2.0	75.0
MJC-3	7″	6	0.6	1.0	1.8	6.7	1.5	0	0	1.5	4.0	0	7.0	3.5	0	16.0
	5.5″	494	2.4	3.0	7.2	17.1	19.5	11.5	0	31.0	0	4.5	0	0	1.0	36.5
	Total	500	3.0	4.0	9.0	23.8	21.0	11.5	0	32.5	4	4.5	7.0	3.5	1.0	52.5
MJC-4	7″	6	0.2	0.7	1.7	5.6	0.5	0	0	0.5	17.5	0	6.0	2.0	0	26.0
	5.5″	494	4.5	4.9	12.5	29.1	25.0	12.5	0	37.5	0	2.0	0	0	3.0	42.5
	Total	500	4.7	5.6	14.2	34.7	25.5	12.5	0	38.0	17.5	2	6	2	3.0	68.5
MJC-5	7″	20	0.4	1.3	3.1	8.0	3.5	0	0	3.5	2.0	0	6.0	3.5	0	15.0
	5.5″	480	3.3	3.3	7.9	20.0	26.0	12.0	0	38.0	0	4.5	0	0	1.5	44.0
	Total	20	0.4	1.3	3.1	8.0	3.5	0.0	0	3.5	2.0	0.0	6.0	3.5	0.0	15.0
MJC-6	7″	31	0.6	3.0	7.7	19.2	6.0	0	0	6.0	12.0	0	5.0	7.0	0	30.0
	5.5″	371	13.5	14.0	35.0	84.0	51.5	105.0	0	156.5	0	17.5	0	0	2.0	176.0
	Total	402	14.1	17.0	42.7	103.2	57.5	105.0	0	162.5	12.0	17.5	5.0	7.0	2.0	206.0
MJC-7	7.5″	4	0.04	0.1	0.2	0.5	0.5	0	0	0.5	0	0	0	0	0	0.5
	7″	30	0.5	2.2	5.9	17.0	14.5	0	0	14.5	3.5	0	8.0	2.5	0	28.5
	5.5″	348	2.84	8.6	19.8	47.5	37.5	63.0	0	100.5	0	4.5	0	0	1.5	106.5
	Total	382	3.38	10.9	25.9	65.0	52.5	63.0	0	115.5	3.5	4.5	8.0	2.5	1.5	135.5
MJC-8	7″	42	3.5	4.0	10.0	24.0	8.0	0	0	8.0	4.0	0	0	2.5	0	14.5
	5.5″	458	4.2	4.4	11.6	27.4	35.0	40.0	0	75.0	0	2.5	0	0	1.5	79.0
	Total	500	7.7	8.4	21.6	51.4	43.0	40.0	0.0	83.0	4.0	2.5	0.0	2.5	1.5	93.5
MJC-9	7″	18	0.4	3.7	10.9	27.0	3.0	0	0	3.0	5.0	0	15.0	24.0	0	47.0
	5.5″	482	5.2	5.8	14.1	34.1	21.0	43.5	0	64.5	0	6.5	0	0	7.0	78.0
	Total	500	5.6	9.5	25.0	61.1	220	43.5	0	67.5	5.0	6.5	15.0	24.0	7.0	125.0
MJC-10	7″	6	0.03	21.6	58.0	200.2	1.0	0	0	1.0	9.0	0	216.0	29.5	0	255.5
	5.5″	388	6.77	8.5	22.1	52.2	23.5	53.0	16.0	92.5	0	7.0	0	0	0.5	100.0
	Total	394	6.8	30.1	80.1	252.4	24.5	53.0	16.0	93.5	9.0	7.0	216.0	29.5	0.5	355.5
MJC-11	5.5″T	22	0.4	0.4	0.4	1.6	2.2	0	0	2.2	0	0	0	0	0	2.2
	5.5″	454	4.1	4.1	10.6	26.4	24.0	29.3	0	53.3	0	6.0	0	0	4.0	63.3
	Total	476	4.50	4.5	11.0	28.0	26.2	29.3	0	55.5	0.0	6.0	0.0	0.0	4.0	65.5
MJC-12	7″	6	0.04	10.0	16.7	63.4	0.5	0	0	0.5	108.5	0	12.0	11.5	0	132.5
	5.5″	294	2.06	2.3	5.7	13.7	12.0	13.5	0	25.5	0	2.5	0	0	3.0	31.0
	Total	300	2.1	12.3	22.4	77.1	12.5	13.5	0.0	26.0	108.5	2.5	12.0	11.5	3.0	163.5

AP-13 Summary of the Drilling Operation of MJC-1

Operation	Survey Period				Total Man Day	
	Period	Day	Work Day	Off Day	Engineer	Worker
Preparation	22,10,2001～29,10,2001	7.1	7.1	0.0	7.6	37.8
Drilling	29,10,2001～01,11,2001	3.3	3.3	0.0	17.0	40.0
Dismantling						
Total		10.4	10.4	0.0	24.6	77.8

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	-304		
Length Drilled	196		

Working Hours	h	%	%
Drilling	9.5	13.8	6.4
Other Working	11.0	15.9	7.4
Recovering	48.5	70.3	32.4
Subtotal	69.0	100.0	46.2
Reassemblage	0.5		0.3
Dismantlement	0		0.0
Water Supply	5.0		3.3
Road Construction	65.0		43.5
Transportation	10.0		6.7
Grand Total	149.5		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	92%
50.00-100.00	116%
100.00-150.00	117%
150.00-200.00	108%

Efficiency of Drilling

Total Length / Drilling Period	m 196	day 3.3	m/day 59.4
Total Length / Total Drilling Shifts	196	shift 6.6	m/shift 29.7

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7″	12	6.1	100.0

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7″	12
$5^{1}/_{2}$″	184

AP-13A Summary of the Drilling Operation of MJC-1A

Operation	Survey Period				Total Man Day	
	Period	Day	Work Day	Off Day	Engineer	Worker
Preparation	01,11,2001	0.02	0.02	0.0	0.2	0.4
Drilling	01,11,01～03,11,2001	2.50	2.50	0.0	11.6	28.8
Dismantling	03,11,2001	0.10	0.10	0.0	0.2	0.8
Total		2.62	2.62	0.0	12.0	30.0

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	-152		
Length Drilled (N/C Drilling) (Core Drilling)	348		

Working Hours	h	%	%
Drilling	27.5	45.8	40.7
Other Working	16.0	26.7	23.7
Recovering	16.5	27.5	24.4
Subtotal	60.0	100.0	88.9
Reassemblage	0.5		0.7
Dismantlement	2.5		3.7
Water Supply	4.0		5.9
Road Construction	0		0.0
Transportation	0.5		0.8
Grand Total	67.5		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	-
50.00-100.00	-
100.00-150.00	-
150.00-200.00	-
200.00-250.00	87%
250.00-300.00	90%
300.00-348.00	91%

Efficiency of Drilling

Total Length / Drilling Period	m 348	day 2.5	m/day 139.2
Total Length / Total Drilling Shifts	348	shift 5.0	m/shift 69.6

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7″	24	6.9	

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7″	24
$5^{1}/_{2}$″	324

AP-14 Record of the Drilling Operation of MJC-1

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.22	Rd-con	0	0	0	0	1	1	6
10.23	Rd-con	0	0	0	0	1	1	6
10.24	Rd-con	0	0	0	0	1	1	6
10.25	Rd-con	0	0	0	0	1	1	6
10.26	Rd-con	0	0	0	0	1	1	6
10.27	Rd-con	0	0	0	0	0.4	0.4	2.4
10.28	Trans	0	0	0	0	0.6	1.2	3.4
10.29	12	184	196	196	1.8	2	5	12
10.3	0	0	0	0	2	2	5	12
10.31	0	0	0	0	2	2	5	12
11.01	0	0	0	0	0.8	0.8	3	6
Total	12	184	196	196	6.6	12.8	24.6	77.8

AP-14A Record of the Drilling Operation of MJC-1A

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
11.01	12	102	114	114	1.2	1.3	2	6
11.02	138	96	348	234	2	2	5	12
11.03	0	0	0	0	1.8	2	5	12
Total	150	198	348	348	5	5.3	12	30

AP-15 Summary of the Drilling Operation of MJC-2

Operation	Survey Period			Total Man Day	
	Period	Day	Work Day	Off Day	Engineer	Worker
Preparation	24,10,2001～26,10,2001	0.8	0.8	1.3	2.7	8.3
Drilling	26,10,2001～28,10,2001	2.3	2.3	0.0	12.3	28.7
Dismantling	28,10,2001	0.04	0.04	0.0	0.3	0.6
Total		3.14	3.14	1.3	15.3	37.6

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	500		

Working Hours	h	%	%
Drilling	33.0	69.5	44.0
Other Working	14.5	30.5	19.3
Recovering	0		
Subtotal	47.5	100.0	63.3
Reassemblage	3.0		4.0
Dismantlement	10.0		13.3
Water Supply	2.0		2.7
Road Construction	5.0		6.7
Transportation	7.5		10.0
Grand Total	75.0		100.0

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7″	30	6.0	100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	109%
50.00-100.00	126%
100.00-150.00	108%
150.00-200.00	124%
200.00-250.00	132%
250.00-300.00	131%
300.00-350.00	145%
350.00-400.00	142%
400.00-450.00	144%
450.00-500.00	141%

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	500	2.3	217.4
		shift	m/shift
Total Length / Total Drilling Shifts	500	4.6	108.7

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7″	30
$5^1/_2$″	470

AP-16 Record of the Drilling Operation of MJC-2

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.24	Rd-con	0	0	0	0	0.4	0.4	3.3
10.25	Trans	0	0	0	0	0.6	1.8	4
10.26	30	132	162	162	1.9	2	5	12
10.27	178	160	500	338	2	2	5	12
10.28	0	0	0	0	0.7	0.8	3.1	6.3
Total	208	292	500	500	4.6	5.8	15.3	37.6

AP-17 Summary of the Drilling Operation of MJC-3

Operation	Survey Period			Total Man Day	
	Period	Day	Work Day	Off Day	Engineer	Worker
Preparation	22,10,2001～23,10,2001	0.7	0.7	0.5	0.9	4.5
Drilling	23,10,2001～25,10,2001	1.5	1.5	0.0	7.3	17.6
Dismantling	25,10,2001	0.1	0.1	0.0	0.8	1.7
Total		2.3	2.3	0.5	9.0	23.8

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	500		

Working Hours	h	%	%
Drilling	21.0	64.6	40.0
Other Working	11.5	35.4	21.9
Recovering	0		
Subtotal	32.5	100.0	61.9
Reassemblage	4.0		7.6
Dismantlement	4.5		8.6
Water Supply	1.0		1.9
Road Construction	7.0		13.3
Transportation	3.5		6.7
Grand Total	52.5		100.0

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7″	6	1.2	100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	95%
50.00-100.00	117%
100.00-150.00	129%
150.00-200.00	134%
200.00-250.00	136%
250.00-300.00	140%
300.00-350.00	126%
350.00-400.00	155%
400.00-450.00	154%
450.00-500.00	155%

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	500	1.5	333.3
		shift	m/shift
Total Length / Total Drilling Shifts	500	3.0	166.7

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7″	6
$5^1/_2$″	494

AP-18 Record of the Drilling Operation of MJC-3

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.22	Rd-con	0	0	0	0	0.6	0.6	3.5
10.23	0	64	64	64	0.6	0.8	0.9	3.3
10.24	248	188	500	436	2	2	5	12
10.25	0	0	0	0	0.4	0.6	2.5	5
Total	248	252	500	500	3	4	9	23.8

AP-19 Summary of the Drilling Operation of MJC-4

Operation	Survey Period					Total Man Day	
	Period		Day	Work Day	Off Day	Engineer	Worker
Preparation	20.10.2001～21.10.2001		0.6	0.6	0.0	1.2	4.3
Drilling	21.10.2001～23.10.2001		2.4	2.4	0.0	12.8	29.7
Dismantling	23.10.2001		0.1	0.1	0.0	0.2	0.7
Total			3.1	3.1	0.0	14.2	34.7

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	500		

Working Hours	h	%	%
Drilling	25.5	67.1	37.2
Other Working	12.5	32.9	18.3
Recovering	0		
Subtotal	38.0	100.0	55.5
Reassemblage	17.5		25.5
Dismantlement	2.0		2.9
Water Supply	3.0		4.4
Road Construction	6.0		8.8
Transportation	2.0		2.9
Grand Total	68.5		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	103%
50.00-100.00	118%
100.00-150.00	120%
150.00-200.00	122%
200.00-250.00	125%
250.00-300.00	118%
300.00-350.00	113%
350.00-400.00	111%
400.00-450.00	111%
450.00-500.00	116%

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	500	2.4	208.3
Total Length / Total Drilling Shifts	500	shift 4.7	m/shift 106.4

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7″	6	1.2	100.0

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7″	6
$5^1/_2$″	494

AP-20 Record of the Drilling Operation of MJC-4

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.20	Rd-con	0	0	0	0	0.5	0.5	3
10.21	60	216	276	276	1.7	1.9	4.5	11
10.22	210	0	486	210	2	2	5	12
10.23	14	0	500	14	1	1.2	4.2	8.7
Total	284	216	500	500	4.7	5.6	14.2	34.7

AP-21 Summary of the Drilling Operation of MJC-5

Operation	Survey Period					Total Man Day	
	Period		Day	Work Day	Off Day	Engineer	Worker
Preparation	18.10.2001～19.10.2001		0.7	0.7	0.0	1.8	5.7
Drilling	19.10.2001～20.10.2001		1.8	1.8	0.0	8.7	21.3
Dismantling	21.10.2001		0.1	0.1	0.0	0.5	1.0
Total			2.6	2.6	0.0	11.0	28.0

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	500		

Working Hours	h	%	%
Drilling	29.5	71.1	50.0
Other Working	12.0	28.9	20.3
Recovering	0		
Subtotal	41.5	100.0	70.3
Reassemblage	2.0		3.4
Dismantlement	4.5		7.6
Water Supply	1.5		2.6
Road Construction	6.0		10.2
Transportation	3.5		5.9
Grand Total	59.0		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	94%
50.00-100.00	111%
100.00-150.00	113%
150.00-200.00	113%
200.00-250.00	111%
250.00-300.00	115%
300.00-350.00	119%
350.00-400.00	116%
400.00-450.00	112%
450.00-500.00	-

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	500	1.8	277.8
Total Length / Total Drilling Shifts	500	shift 3.7	m/shift 135.1

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7″	20	4.0	100.0

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7″	20
$5^1/_2$″	480

AP-22 Record of the Drilling Operation of MJC-5

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.18	Rd-con	0	0	0	0	0.5	0.5	3
10.19	30	166	196	196	1.7	2	5	12
10.20	218	86	500	304	2	2	5	12
10.21	0	0	0	0	0	0.1	0.5	1
Total	248	252	500	500	3.7	4.6	11	28

AP-23 Summary of the Drilling Operation of MJC-6

Operation	Survey Period		Day	Work Day	Off Day	Total Man Day	
	Period					Engineer	Worker
Preparation	04,10,2001～06,10,2001		0.9	0.9	0.5	4.4	10.5
Drilling	06,10,2001～13,10,2001		7.6	7.6	0.0	37.8	90.7
Dismantling	13,10,2001		0.3	0.3	0.0	0.5	2.0
Total			8.8	8.8	0.5	42.7	103.2

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	-98		
Length Drilled (N/C Drilling) (Core Drilling)	402		

Working Hours	h	%	%
Drilling	57.5	35.4	27.9
Other Working	105.0	64.6	51.0
Recovering	0		
Subtotal	162.5	100.0	78.9
Reassemblage	12.0		5.8
Dismantlement	17.5		8.5
Water Supply	2.0		1.0
Road Construction	5.0		2.4
Transportation	7.0		3.4
Grand Total	206.0		100.0

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7″	31	7.7	100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	62%
50.00-100.00	71%
100.00-150.00	107%
150.00-200.00	114%
200.00-250.00	-
250.00-300.00	-
300.00-350.00	-
350.00-400.00	-
400.00-450.00	-
450.00-500.00	-

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	402	7.5	53.6
Total Length / Total Drilling Shifts	402	shift 15.1	m/shift 26.6

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7″	31
$5^1/_2$″	371

AP-24 Record of the Drilling Operation of MJC-6

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.04	Rd-con	0	0	0	0	0.4	0.4	2.5
10.05	Trans	0	0	0	0	0.6	2.3	4.7
10.06	13	39	52	52	0.6	2	5	12
10.07	58	64	174	122	2	2	5	12
10.08	48	38	260	86	2	2	5	12
10.09	0	0	260	0	2	2	5	12
10.10	0	10	270	10	2	2	5	12
10.11	54	24	348	78	2	2	5	12
10.12	54	0	402	54	2	2	5	12
10.13	0	0	402	0	1.5	2	5	12
Total	227	175	402	402	14.1	17	42.7	103.2

AP-25 Summary of the Drilling Operation of MJC-7

Operation	Survey Period		Day	Work Day	Off Day	Total Man Day	
	Period					Engineer	Worker
Preparation	12,10,2001～13,10,2001		0.8	0.8	0.5	0.9	5.0
Drilling	14,10,2001～18,10,2001		4.8	4.8	0.0	24.6	58.5
Dismantling	18,10,2001		0.2	0.2	0.0	0.4	1.5
Total			5.8	5.8	0.5	25.9	65.0

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	382		
Length Drilled (N/C Drilling) (Core Drilling)	382		

Working Hours	h	%	%
Drilling	52.5	45.5	38.7
Other Working	63.0	54.5	46.5
Recovering	0		
Subtotal	115.5	100.0	85.2
Reassemblage	3.5		2.6
Dismantlement	4.5		3.3
Water Supply	1.5		1.1
Road Construction	8.0		5.9
Transportation	2.5		1.9
Grand Total	135.5		100.0

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
$7^1/_2$″	4	1.0	100.0
7″	30	7.9	100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	52%
50.00-100.00	100%
100.00-150.00	129%
150.00-200.00	146%
200.00-250.00	103%
250.00-300.00	-
300.00-350.00	-
350.00-400.00	-

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	382	4.8	79.6
Total Length / Total Drilling Shifts	382	shift 9.6	m/shift 39.8

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
$7^1/_2$″	4
7″	30
$5^1/_2$″	348

AP-26 Record of the Drilling Operation of MJC-7

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.12	Rd-con	0	0	0	0	0.7	0.7	4.2
10.13	Trans	0	0	0	0.2	0.2	0.2	0.8
10.14	24	6	30	30	0.3	2	5	12
10.15	54	156	240	210	1.1	2	5	12
10.16	30	16	286	46	0.5	2	5	12
10.17	16	74	376	90	1	2	5	12
10.18	6	0	382	6	0.2	2	5	12
Total	130	252	382	382	3.3	10.9	25.9	65

AP-27 Summary of the Drilling Operation of MJC-8

Operation	Survey Period					Total Man Day	
	Period		Day	Work Day	Off Day	Engineer	Worker
Preparation	01,10,2001		0.3	0.3	0.0	2.0	4.0
Drilling	01,10,2001～05,10,2001		3.9	3.9	0.0	18.8	45.7
Dismantling	05,10,2001		0.1	0.1	0.0	0.8	1.7
Total			4.3	4.3	0.0	21.6	51.4

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	500		

Working Hours	h	%	%
Drilling	43.0	51.8	46.0
Other Working	40.0	48.2	42.7
Recovering	0		
Subtotal	83.0	100.0	88.7
Reassemblage	4.0		4.3
Dismantlement	2.5		2.7
Water Supply	1.5		1.6
Road Construction	0		0.0
Transportation	2.5		2.7
Grand Total	93.5		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	39%
50.00-100.00	67%
100.00-150.00	72%
150.00-200.00	75%
200.00-250.00	72%
250.00-300.00	78%
300.00-350.00	89%
350.00-400.00	89%
400.00-450.00	87%
450.00-500.00	85%

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	500	3.9	128.2
Total Length / Total Drilling Shifts	500	shift 7.7	m/shift 64.9

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7"	42	8.4	71.4

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7"	42
5 1/2"	458

AP-28 Record of the Drilling Operation of MJC-8

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.01	12	30	42	42	1.5	2	5	12
10.02	0	24	66	24	2	2	5	12
10.03	120	126	312	246	2	2	5	12
10.04	126	62	500	188	2	2	5	12
10.05	0	0	500	0	0.2	0.4	1.6	3.4
Total	258	242	500	500	7.7	8.4	21.6	51.4

AP-29 Summary of the Drilling Operation of MJC-9

Operation	Survey Period					Total Man Day	
	Period		Day	Work Day	Off Day	Engineer	Worker
Preparation	08,11,2001～11,11,2001		2.3	2.3	1.0	9.3	23.8
Drilling	12,11,2001～14,11,2001		2.8	2.8	0.0	14.6	34.5
Dismantling	14,11,2001～15,11,2002		0.3	0.3	0.0	1.1	2.8
Total			5.4	5.4	1.0	25.0	61.1

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	500		

Working Hours	h	%	%
Drilling	24.0	35.6	19.2
Other Working	43.5	64.4	34.8
Recovering	0		
Subtotal	67.5	100.0	54.0
Reassemblage	5.0		4.0
Dismantlement	6.5		5.2
Water Supply	7.0		5.6
Road Construction	15.0		12.0
Transportation	24.0		19.2
Grand Total	125.0		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	84%
50.00-100.00	130%
100.00-150.00	106%
150.00-200.00	129%
200.00-250.00	151%
250.00-300.00	144%
300.00-350.00	129%
350.00-400.00	105%
400.00-450.00	83%
450.00-500.00	117%

Efficiency of Drilling

	m	day	m/day
Total Length / Drilling Period	500	2.8	178.6
Total Length / Total Drilling Shifts	500	shift 5.6	m/shift 89.3

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7"	18	3.6	100.0

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7"	18
5 1/2"	482

AP-30 Record of the Drilling Operation of MJC-9

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
11.08	Rd-con	0	0	0	0	1	1	6
11.09	Rd-con	0	0	0	0	0.3	0.3	1.8
11.10	Rd-con	0	0	0	0	1	4	8
11.11	Trans	0	0	0	0	1	4	8
11.12	180	252	432	432	2	2	5	12
11.13	6	4	442	10	2	2	5	12
11.14	58	0	500	58	1.6	2	5	12
11.15	0	0	500	0	0	0.2	0.7	1.3
Total	244	256	500	500	5.6	9.5	25	61.1

AP-31 Summary of the Drilling Operation of MJC-10

Operation	Survey Period		Day	Work Day	Off Day	Total Man Day	
	Period					Engineer	Worker
Preparation	04,11,2001～26,11,2001		19.8	19.8	3.2	58.6	201.4
Drilling	26,11,2001～29,11,2001		3.9	3.9	0.0	19.2	46.3
Dismantling	30,11,2001		0.3	0.3	0.0	2.3	4.7
Total			24.0	24.0	3.2	80.1	252.4

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	-106		
Length Drilled (N/C Drilling) (Core Drilling)	394		

Working Hours	h	%	%
Drilling	24.5	26.2	6.9
Other Working	53.0	56.7	14.9
Recovering	16.0	17.1	4.5
Subtotal	93.5	100.0	26.3
Reassemblage	9.0		2.5
Dismantlement	7.0		2.0
Water Supply	0.5		0.1
Road Construction	216.0		60.8
Transportation	29.5		8.3
Grand Total	355.5		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	91%
50.00-100.00	92%
100.00-150.00	89%
150.00-200.00	86%
200.00-250.00	97%
250.00-300.00	93%
300.00-350.00	-
350.00-400.00	-

Efficiency of Drilling

Total Length / Drilling Period	m 394	day 3.9	m/day 101.0
Total Length / Total Drilling Shifts	394	shift 7.8	m/shift 50.5

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length × 100 (%)	Recovery (%)
7"	6	1.5	100.0

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7"	6
5 1/2"	388

AP-32 Record of the Drilling Operation of MJC-10

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
11.04	Rd-con	0	0	0	0	1	1	6
11.05	Rd-con	0	0	0	0	1	1	6
11.06	Rd-con	0	0	0	0	1	1	6
11.07	Rd-con	0	0	0	0	1	1	6
11.08	Rd-con	0	0	0	0	1	1	6
11.09	Rd-con	0	0	0	0	1	1	6
11.10	Rd-con	0	0	0	0	1	1	6
11.11	Rd-con	0	0	0	0	1	1	6
11.12	Rd-con	0	0	0	0	1	1	6
11.13	Rd-con	0	0	0	0	1	1	6
11.14	Rd-con	0	0	0	0	1	1	6
11.15	Rd-con	0	0	0	0	1	1	6
11.16	Rd-con	0	0	0	0	1	1	6
11.17	Trans	0	0	0	0	0.5	1.8	3.7
11.18	Prep	0	0	0	0	1	5	12
11.19	Trans	0	0	0	0	1	4	8
11.20	Trans	0	0	0	0	1	4	8
11.21	Rd-con	0	0	0	0	1	6	18
11.22	Rd-con	0	0	0	0	1	6	18
11.23	Rd-con	0	0	0	0	1	6	18
11.24	Rd-con	0	0	0	0	1	6	18
11.25	Rd-con	0	0	0	0	1	6	18
11.26	0	48	48	48	0.8	2	5	12
11.27	156	84	288	240	2	2	5	12
11.28	0	0	0	0	2	2	5	12
11.29	84	22	394	106	2	2	5	12
11.30	Dism	0	0	0	0	0.6	2.3	4.7
Total	240	154	394	394	6.8	30.1	80.1	252.4

AP-33 Summary of the Drilling Operation of MJC-11

Operation	Survey Period		Work Day	Off Day	Total Man Day	
	Period	Day			Engineer	Worker
Preparation	26,11,2001～06,11,2001	11.3	11.3	0.0	21.2	82.3
Drilling	06,11,2001～08,11,2001	2.5	2.5	0.0	12.3	29.7
Dismantling	08,11,2001	0.3	0.3	0.0	0.5	2.0
Total		14.1	14.1	0.0	34.0	114.0

Drilling Length	m		m
Length Planned	500	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	500		

Working Hours	h	%	%
Drilling	30.2	50.8	15.6
Other Working	29.3	49.2	15.2
Recovering	0		
Subtotal	59.5	100.0	30.8
Reassemblage	1.0		0.5
Dismantlement	6.0		3.1
Water Supply	4.0		2.1
Road Construction	108.0		56.0
Transportation	14.5		7.5
Grand Total	193.0		100.0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery
0.00- 50.00	48%
50.00-100.00	104%
100.00-150.00	120%
150.00-200.00	158%
200.00-250.00	153%
250.00-300.00	143%
300.00-350.00	144%
350.00-400.00	152%
400.00-450.00	128%
450.00-500.00	105%

Efficiency of Drilling

Total Length / Drilling Period	m 500	day 2.5	m/day 200.0
Total Length / Total Drilling Shifts	500	shift 5.0	m/shift 100.0

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length × 100 (%)	Recovery (%)
7"	24	4.8	100.0

Drilling Length / Each Bit (m)

Bit Size	Drilled Length
7"	24
5 1/2"(Tr.)	22
5 1/2"	454

Tr : Tricon

AP-34 Record of the Drilling Operation of MJC-11

Date	Drilling Length (m)			Daily Total (m)	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
10.26	Rd-con	0	0	0	0	1	1	6
10.27	Rd-con	0	0	0	0	1	1	6
10.28	Rd-con	0	0	0	0	1	1	6
10.29	Rd-con	0	0	0	0	1	1	6
10.30	Rd-con	0	0	0	0	1	1	6
10.31	Rd-con	0	0	0	0	1	1	6
11.01	Rd-con	0	0	0	0	1	1	6
11.02	Rd-con	0	0	0	0	1	1	6
11.03	Rd-con	0	0	0	0	1	1	6
11.04	Rd-con	0	0	0	0	2	5	12
11.05	Rd-con	0	0	0	0	2	5	12
11.06	24	52	76	76	1.5	2	5	12
11.07	170	132	378	302	2	2	5	12
11.08	122	0	500	122	1.5	2	5	12
Total	316	184	500	500	5	19	34	114

AP-35 Summary of the Drilling Operation of MJC-12

Operation	Survey Period					Total Man Day	
	Period		Day	Work Day	Off Day	Engineer	Worker
Preparation	07. 11. 2001～16. 11. 2001		8. 5	8. 5	0. 6	16. 0	62. 0
Drilling	16. 11. 2001～17. 11. 2001		1. 1	1. 1	0. 0	5. 6	13. 4
Dismantling	17. 11. 2001		0. 1	0. 1	0. 0	0. 8	1. 7
Total			9. 7	9. 7	0. 6	22. 4	77. 1

Drilling Length	m		m
Length Planned	300	Overburden	
Increase/Decrease in Length	0		
Length Drilled (N/C Drilling) (Core Drilling)	300		

Working Hours	h	%	%
Drilling	12. 5	48. 1	7. 6
Other Working	13. 5	51. 9	8. 3
Recovering	0		
Subtotal	26. 0	100. 0	15. 9
Reassemblage	108. 5		66. 5
Dismantlement	2. 5		1. 5
Water Supply	3. 0		1. 8
Road Construction	12. 0		7. 3
Transportation	11. 5		7. 0
Grand Total	163. 5		100. 0

Casing Pipe Inserted

Size	Meterage (m)	Meterage / Drilling Length ×100 (%)	Recovery (%)
7"	6	2. 0	100. 0

Cuttings Recovery of 50m Hole

Depth of Hole (m)	Recovery	
0. 00- 50. 00	110%	
50. 00-100. 00	127%	
100. 00-150. 00	155%	
150. 00-200. 00	118%	
200. 00-250. 00	100%	
250. 00-300. 00	98%	

Efficiency of Drilling

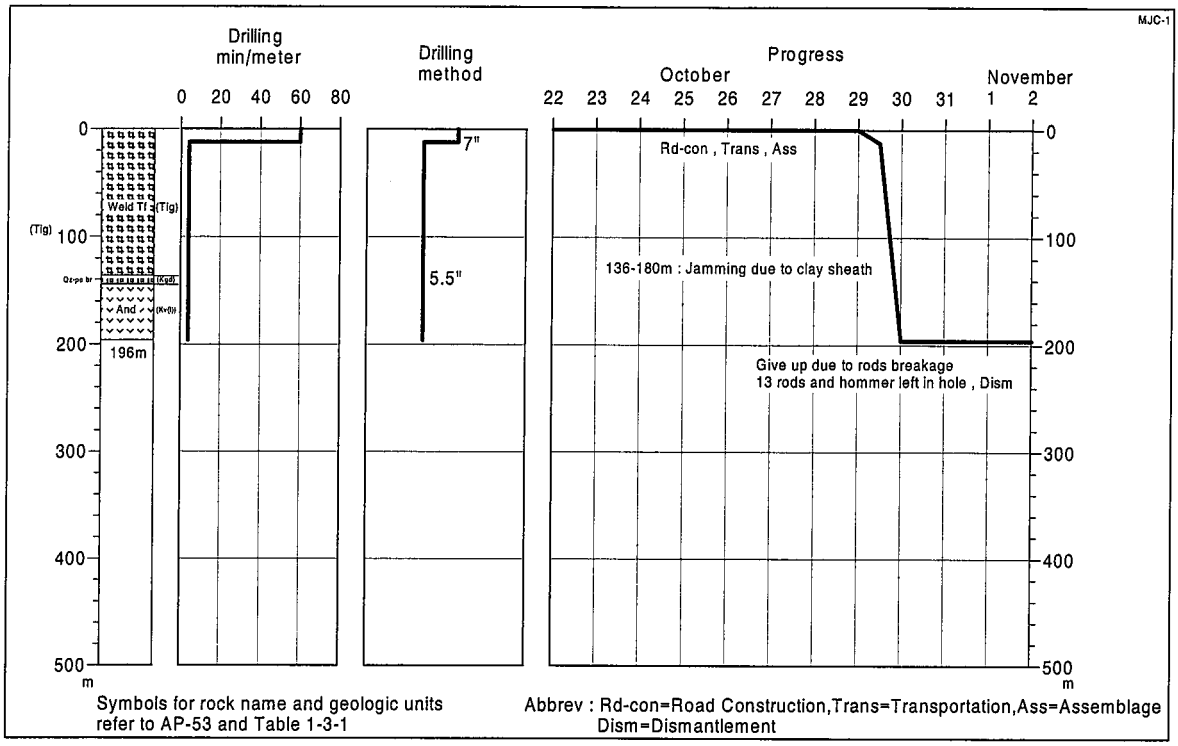
Total Length / Drilling Period	m 300	day 1. 1	m/day 272. 7
Total Length / Total Drilling Shi	300	shift 2. 2	m/shift 136. 4

Drilling Length / Each Bit (m)

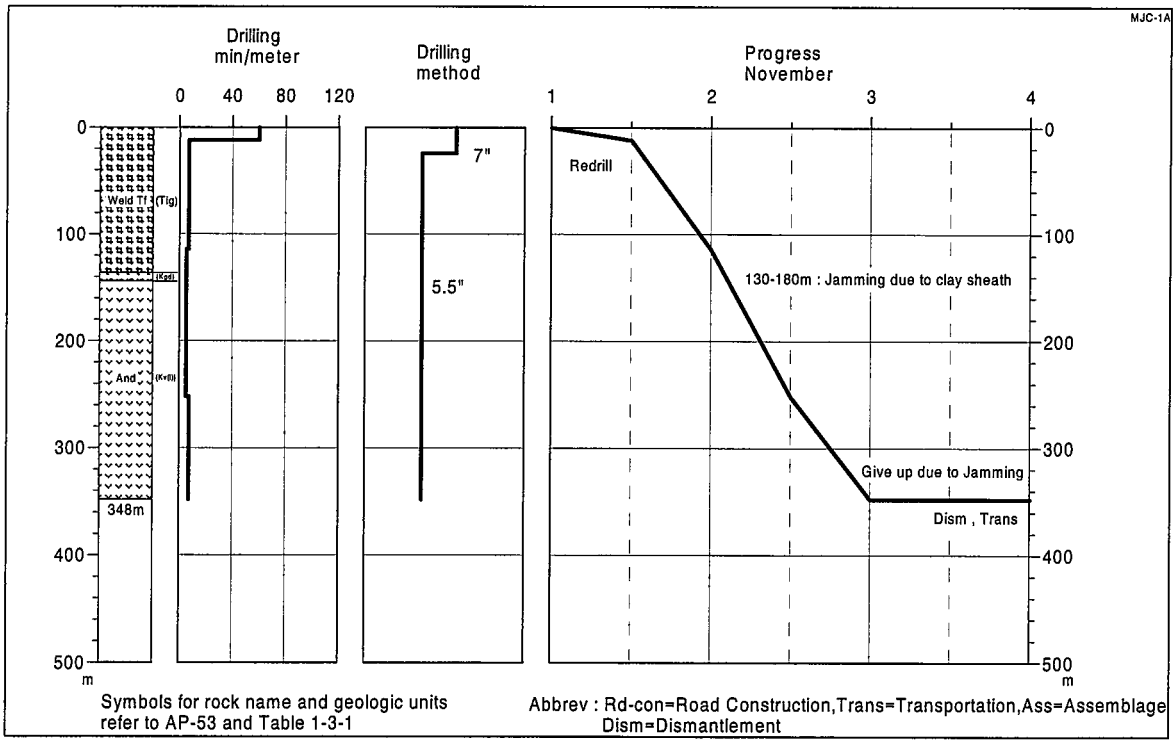
Bit Size	Drilled Length
7"	6
$5^{1}/_{2}$"	294

AP-36 Record of the Drilling Operation of MJC-12

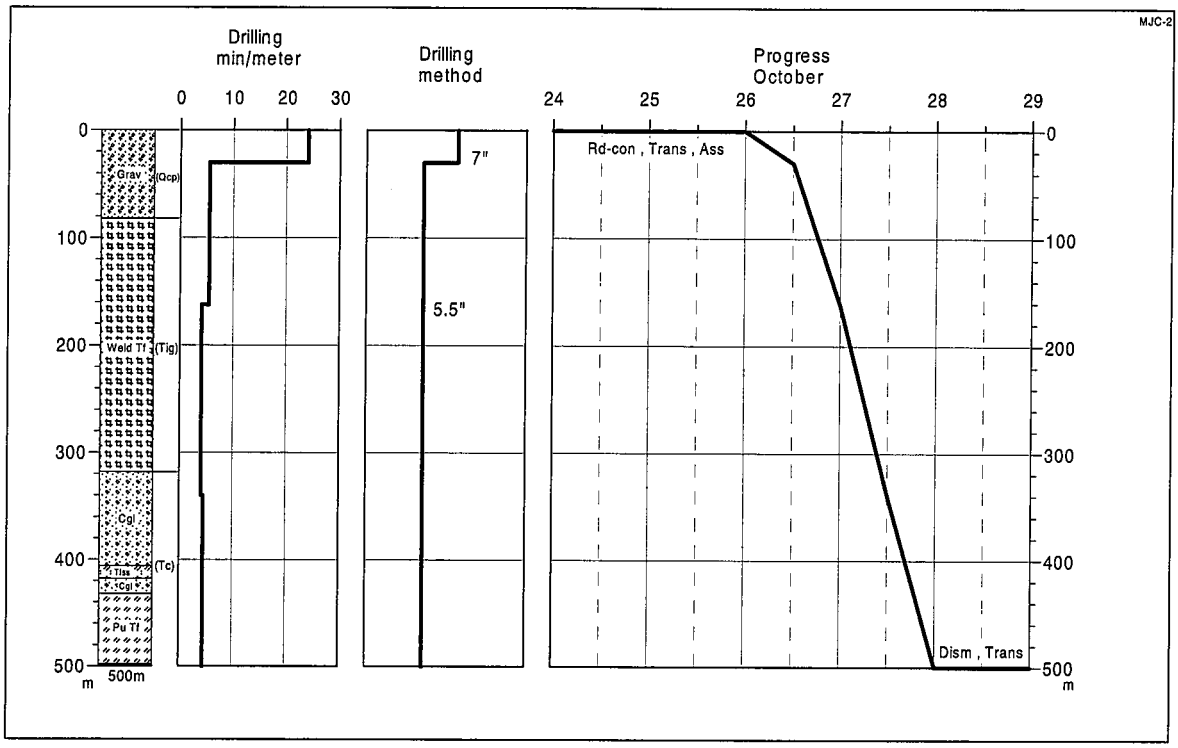
Date	Drilling Length (m)			Daily Total (m	Shift (shift)		Man Working (man)	
	Shift 1	Shift 2	Total Cumulated	Drilling Length	Drilling	Total	Engineer	Worker
11.07	Rd-con	0	0	0	0	1	1	6
11.08	Rd-con	0	0	0	0	1	1	6
11.09	Ass	0	0	0	0	2	5	12
11.10	Rd-con	0	0	0	0	1	1	6
11.11	Rd-con	0	0	0	0	1	1	6
11.12	Rd-con	0	0	0	0	1	1	6
11.13	Rd-con	0	0	0	0	1	1	6
11.14	Rd-con	0	0	0	0	1	1	6
11.15	Trans	0	0	0	0	0.8	3.3	6.7
11.16	200	100	300	300	1.8	2	5	12
11.17	0	0	300	0	0.3	0.5	2.1	4.4
Total	200	100	300	300	2.1	12.3	22.4	77.1



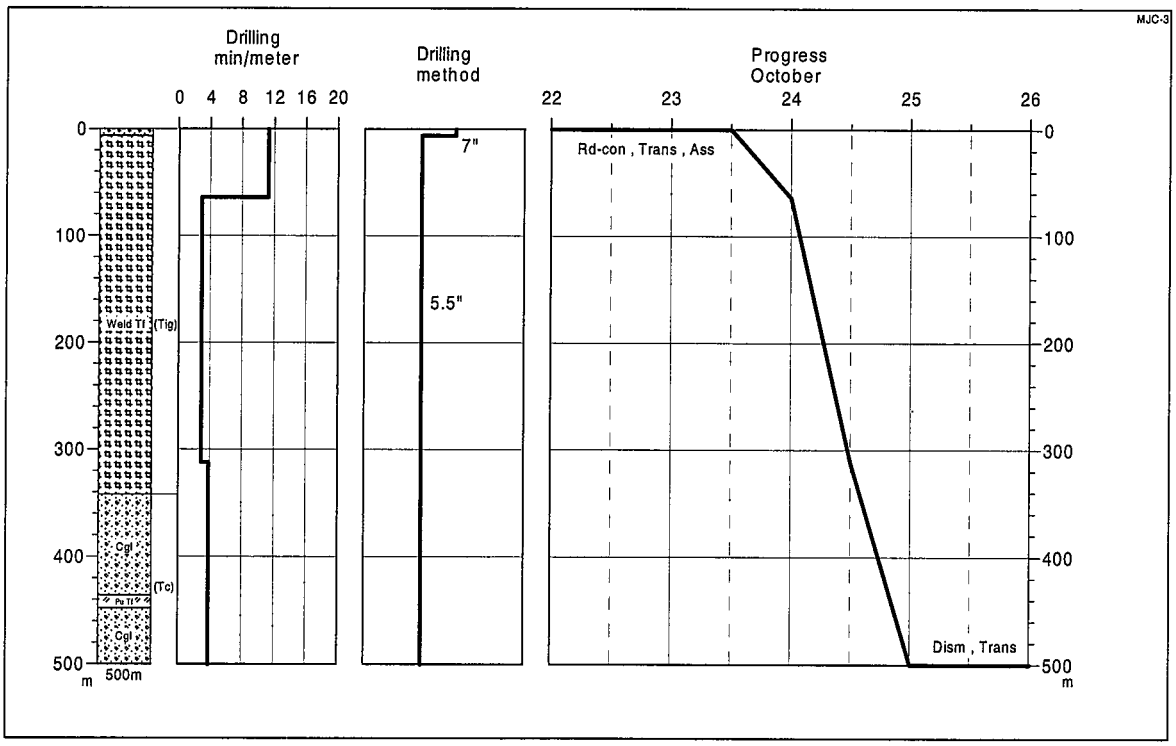
AP-37 Drilling Progress of MJC-1



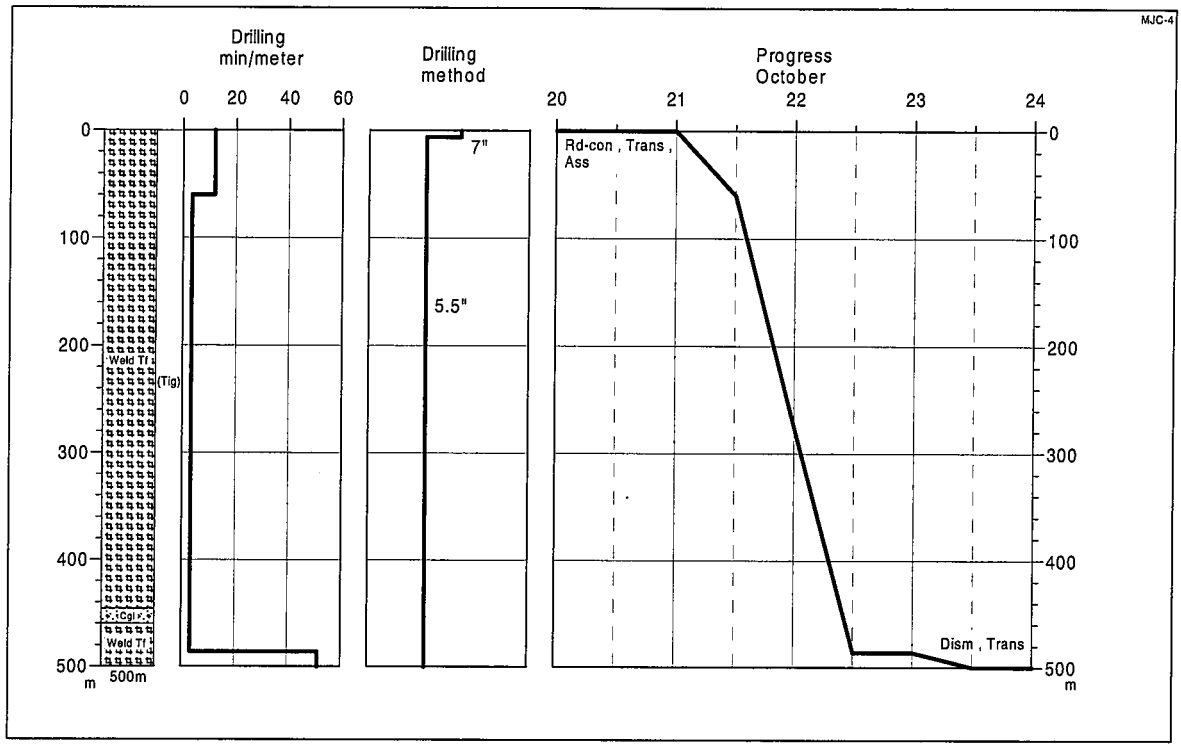
AP-37A Drilling Progress of MJC-1A



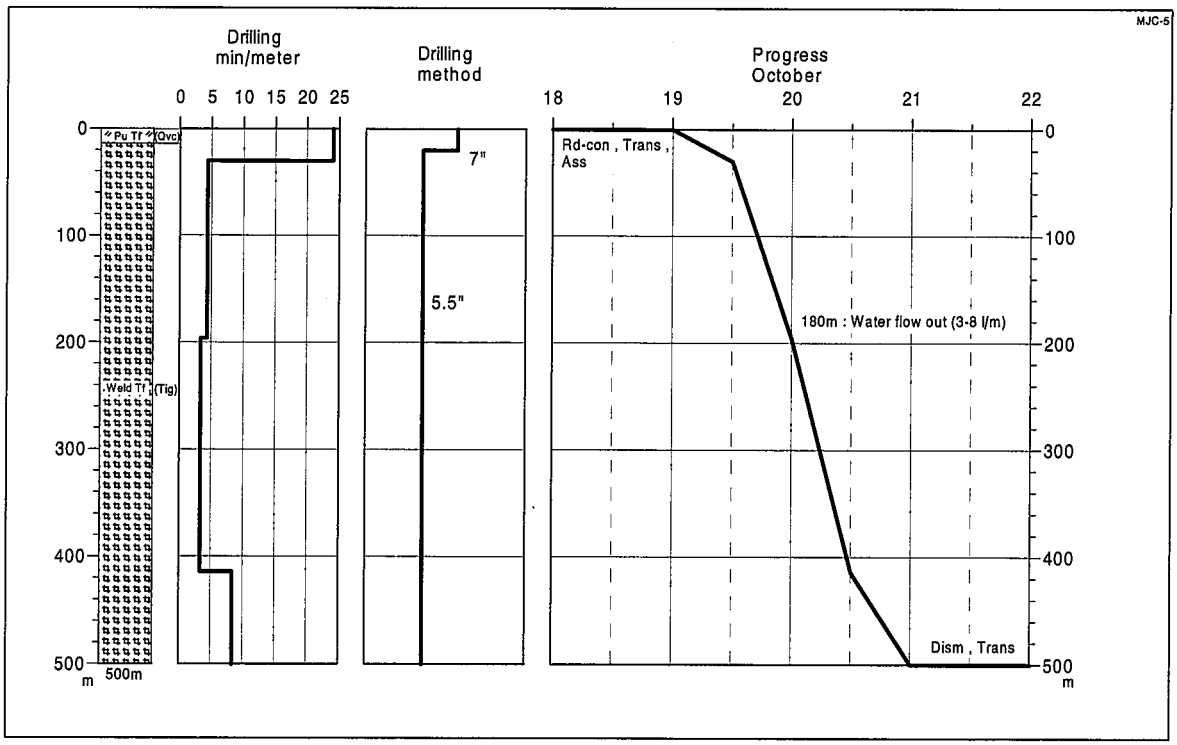
AP-38 Drilling Progress of MJC-2



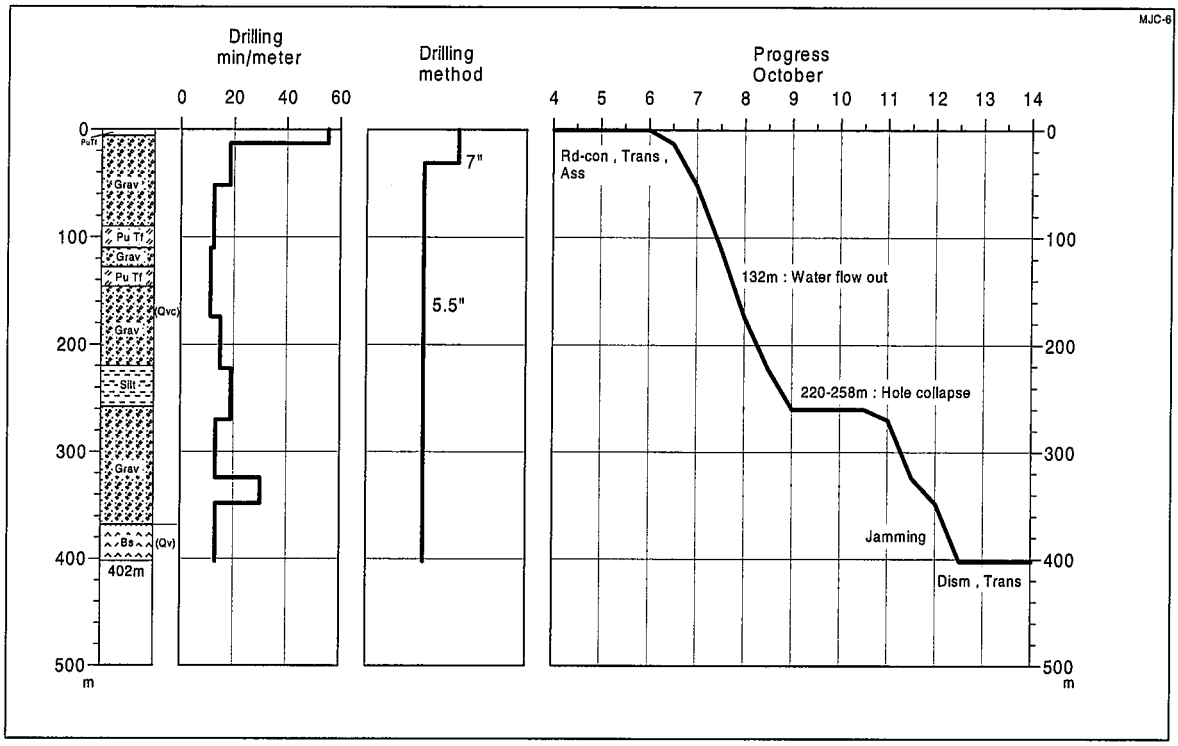
AP-39 Drilling Progress of MJC-3



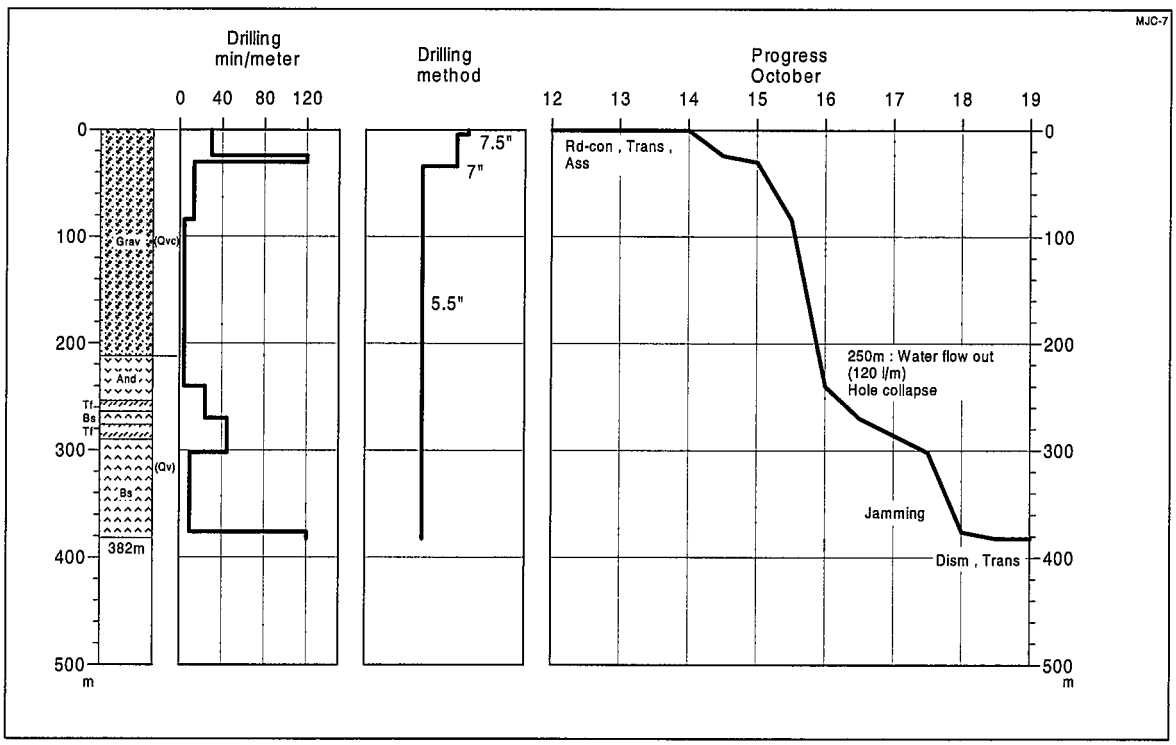
AP-40 Drilling Progress of MJC-4



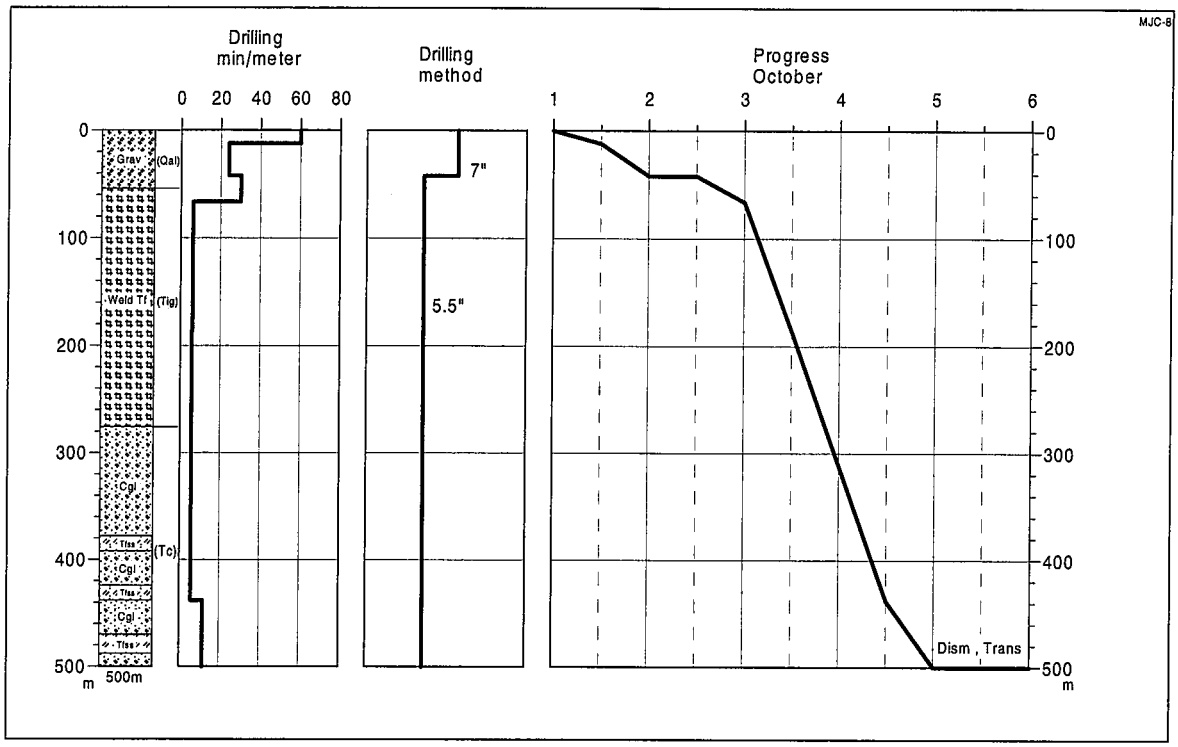
AP-41 Drilling Progress of MJC-5



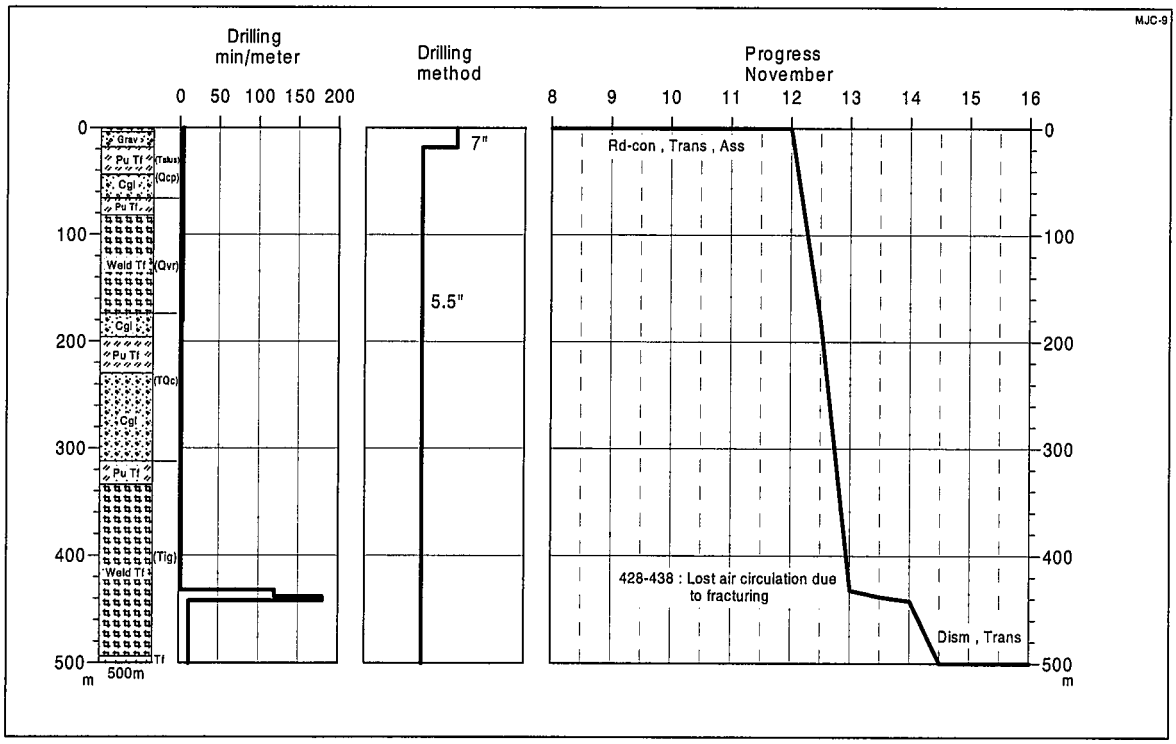
AP-42 Drilling Progress of MJC-6



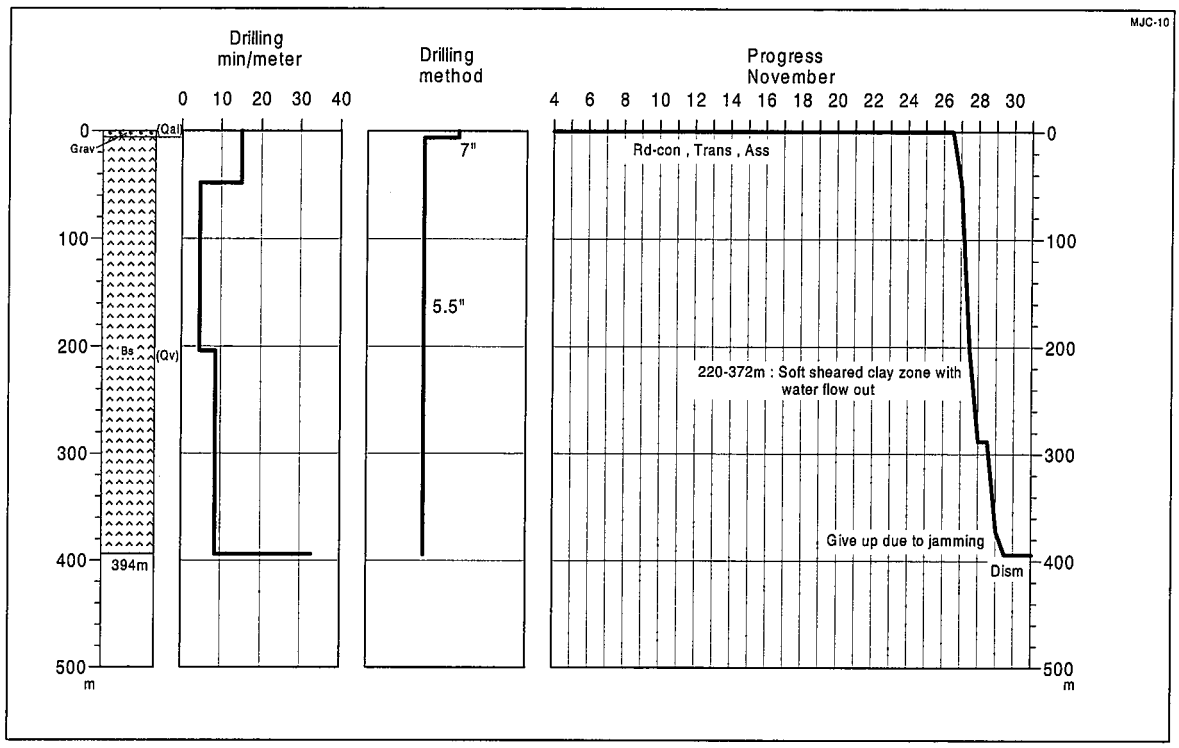
AP-43 Drilling Progress of MJC-7



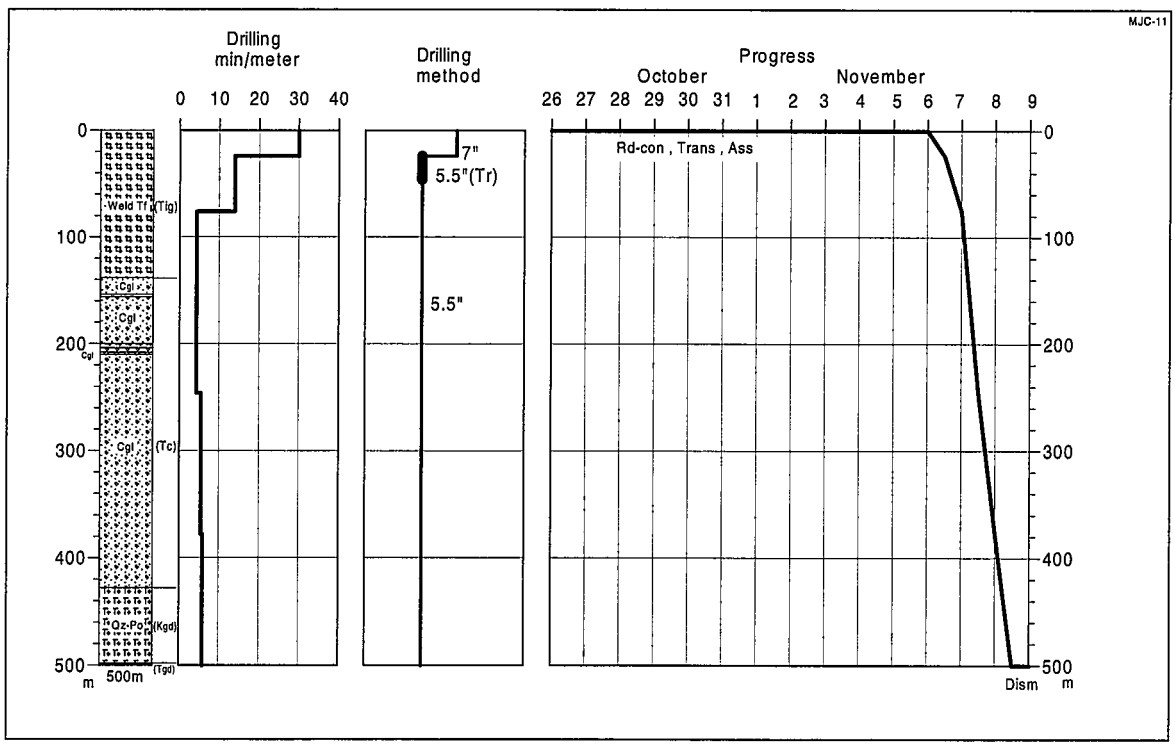
AP-44 Drilling Progress of MJC-8



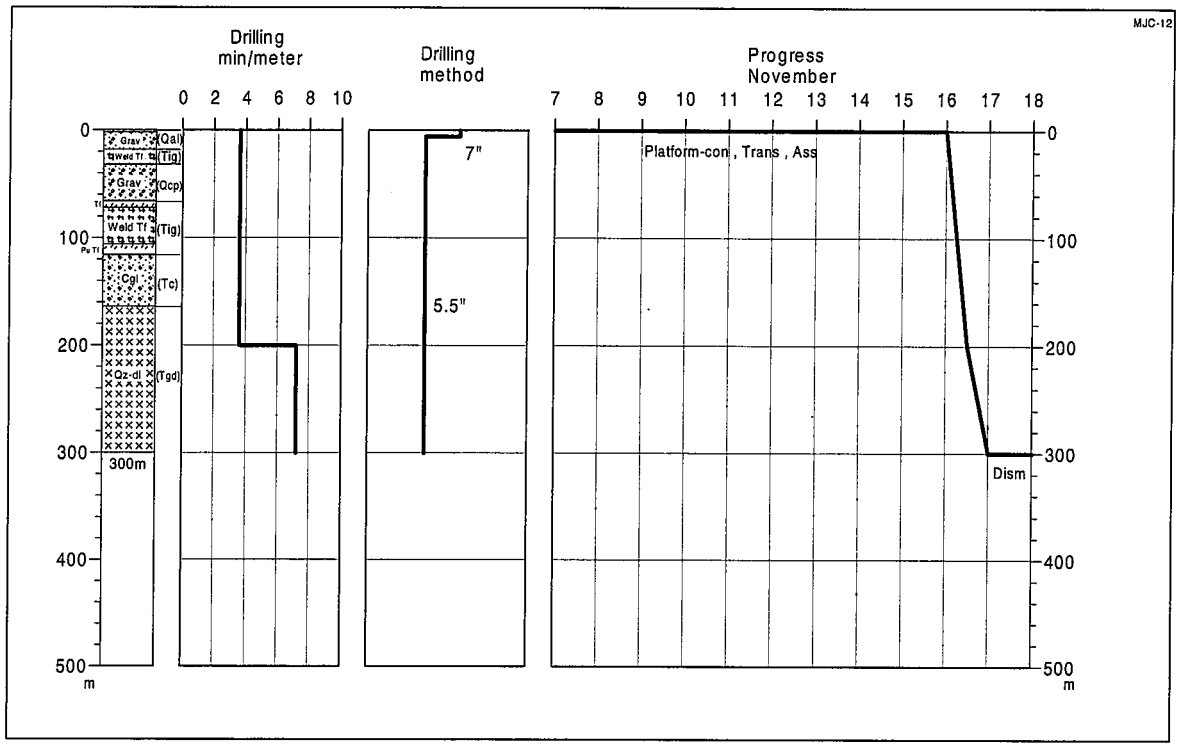
AP-45 Drilling Progress of MJC-9



AP-46 Drilling Progress of MJC-10



AP-47 Drilling Progress of MJC-11



AP-48 Drilling Progress of MJC-12

AP-49 Results of Microscopic Observation of Thin Sections (Drilling) (1)

Drilling Name	Sample No.	Rock Name	Texture	Phenocryst or fragment								Groundmass or matrix								Metamorphic or alteration					
				MP	cpx	hb	qz	pl	Kf	op	others	MP	hb	qz	pl	Kf	gl	op	others	ep	chl	amp	ser	tit	others
MJC-1	TS1-136	meta-dacite or sandstone	porphyritic, clastic				◎							○	○			△			△		◎		goe(△)
				Matrix is highly replaced by sericite and calcednic quartz.																					
	TS1-154	meta-andesite	porphyritic					◎		○				○	○		(◎)	△			○		○	△	
				Sericite and chlorite are widespread, replacing feldspar and matrix.																					
	TS1-270	meta-andesite	porphyritic					◎		○				○	○		(◎)	○			○		○	·	
				Matrix is highly replaced by sericite and chlorite.																					
	TS1-324	meta-volc. breccia	clastic					○		○				○	○					△	○		○	△	
				including diorite blocks. Plagioclase is usually dusty.																					
	TS1-344	meta-andesite	porphyritic					○		○				○	○		(◎)				○		○	△	
				Matrix and mafic phenocrysts are altered into sericite and chlorite.																					
MJC-2	TS2-436	pumiceous tuff	clastic				○	△						△	○	·	◎		bio(△)	△			△		goe(△)
				including mudstone and sandstone blocks. Epidote is present only in a fragment.																					
MJC-3	TS3-240	volc. breccia	brecciated				◎	○		△	bio(△)			△	△		◎	·							cb(△), goe(△)
				Biotite highly altered into goethite.																					
MJC-5	TS5-344	meta-welded tuff	porphyritic				◎		○					○	○	○		△		△					
MJC-6	TS6-394	andesite	porphyritic	△	○			◎		·		△			○		◎	△							
				Fresh andesite. Plagioclase core is dusty.																					
	TS6-400	andesite	porphyritic	○	△			◎		△		△			○		◎	△							
				fresh andesite.																					
MJC-7	TS7-370	basalt	porphyritic	○	○			◎		○		△			○		◎	△							sm(○), cb(△)
				Olivine is totaly altered by smectite and carbonate minerals.																					
MJC-8	TS8-432	tuff. sandstone	clastic		△	△	◎	○	○	△							◎			△			△		cb(△), sm(△)
				Secodary minerals only in fragments. Volcanic fragments are common.																					
MJC-9	TS9-490	tuff	clastic		△	○	○	○	△	△	bio(△)			○	○		◎	△		·			△		sm(△)
				including volcanic fragments. Secondary minerals only in fragemnts.																					
MJC-10	TS10-050	basalt	porphyritic	○	○			◎		○		△			○		◎	△							sm(△)
				Olivine totally altered by smectite. Orthopyroxene locally by smectite.																					
	TS10-104	basalt	porphyritic	○	○			◎		○		△			○		◎	△							sm(△)
				Olivine totally altered by smectite. Orthopyroxene locally by smectite.																					
	TS10-248	basalt(?)	trachytic	(○)				◎		△					◎		(◎)	○							sm(○), cb(○)
				Mafic phenocrysts totally altered into smectite and carbonate minerals.																					
	TS10-344	basalt	porphyritic, trachytic	○	○			◎		○		△			○		◎	△					△		sm(△), goe(△)
				Olivine totally altered by smectite. Plagioclase core highly altered by sericite.																					
	TS10-372	basalt	porphyritic	(○)	○			◎		△		(○)			○		◎	△							cb(○)
				Mafic minerals except for cpx totally into carbonate minerals.																					
MJC-11	TS11-430	qz porphyry	porphyritic				◎		(○)		bio(△)			◎	○				tou(△)				◎		goe(△)
				K-feldspar and biotite totally by sericite.																					
	TS11-466	Qz-po. breccia	brecciated				◎	○	○	△				○	○	○		△	zir(·)				△		sm(△), tou(△)
				Mafic phenocrysts totally altered.																					
	TS11-486	porphyry	subophitic	(○)			○	◎	△	○	bio(○)									·	○		○		sm(△)
				Mafic phenocryst into smectite and opaque minerals. Plagioclase highly into sericite.																					

AP-49 Results of Microscopic Observation of Thin Sections (Drilling) (2)

Drilling Name	Sample No.	Rock Name	Texture	Phenocryst or fragment								Groundmass or matrix								Metamorphic or alteration					
				MP	cpx	hb	qz	pl	Kf	op	others	MP	hb	qz	pl	Kf	gl	op	others	ep	chl	amp	ser	tit	others
MJC-11	TS11-498	meta-di-porphyry	porphyritic			(○)		◎						○	○				bio(○)		○		△	・	
				Mafic minerals into chlorite. Plagioclase highly replaced by sericite.																					
MJC-12	TS12-178	meta-porphyry	porphyritic	(○)	△	(○)		◎		△		○		△	◎	○		△		△	○	○		・	goe(△)
				Mafic minerals into sericite, secondary amphibole, chlorite and opaque minerals.																					
	TS12-200	meta-quartzdiorite	subophitic		○	(○)	△	◎	○	○	bio(△)								apa(・)			○		△	
				Mafic minerals by secondary acicular amphibole.																					
	TS12-286	meta-quartzdiorite	subophitic		○	(○)	△	◎		△									apa(・)	○	○	○		・	cb(△), tou(△)
				Hornblende decomposed into secondary amphibole. Plagioclase locally by epidote.																					
	TS12-298	meta-quartzdiorite	subophitic		○	(○)	△	◎	△	○										△	△	○	△	△	
				Hornblende replaced by secondary acicular amphibole. Plagioclase locally by sericite.																					

abbrev. MP= mafic minerals, cpx=clinopyroxene, pl=plagioclase, op=opaque minerals, qz=quartz, hb=hornblende, kf=K-feldspar epi=epidote, tou=tourmaline
gl=glass or microcrystalline aggregate, cb.=carbonate, ser=sericite, tit=titanite, apa=apatite, sm=smectite including clay mienrals.
goe=goethite, zir=zircon, kao=kaolline
◎abundant, ○common, △small, ・rare () brancket shows totally decomposed.

AP-50 Results of X-ray Diffractive Analysis (Drilling)

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

Abbreviation

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

Amount

$2\theta > 20°$ (CuKa)

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

$2\theta < 20°$ (CuKa)

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

AP-51 Results of Ore Assaying (Drilling) (1)

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

AP-51 Results of Ore Assaying (Drilling) (2)

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

AP-52 Results of Geochemical Analysis of Rock samples (Drilling) (1)

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

AP-52 Results of Geochemical Analysis of Rock samples (Drilling) (2)

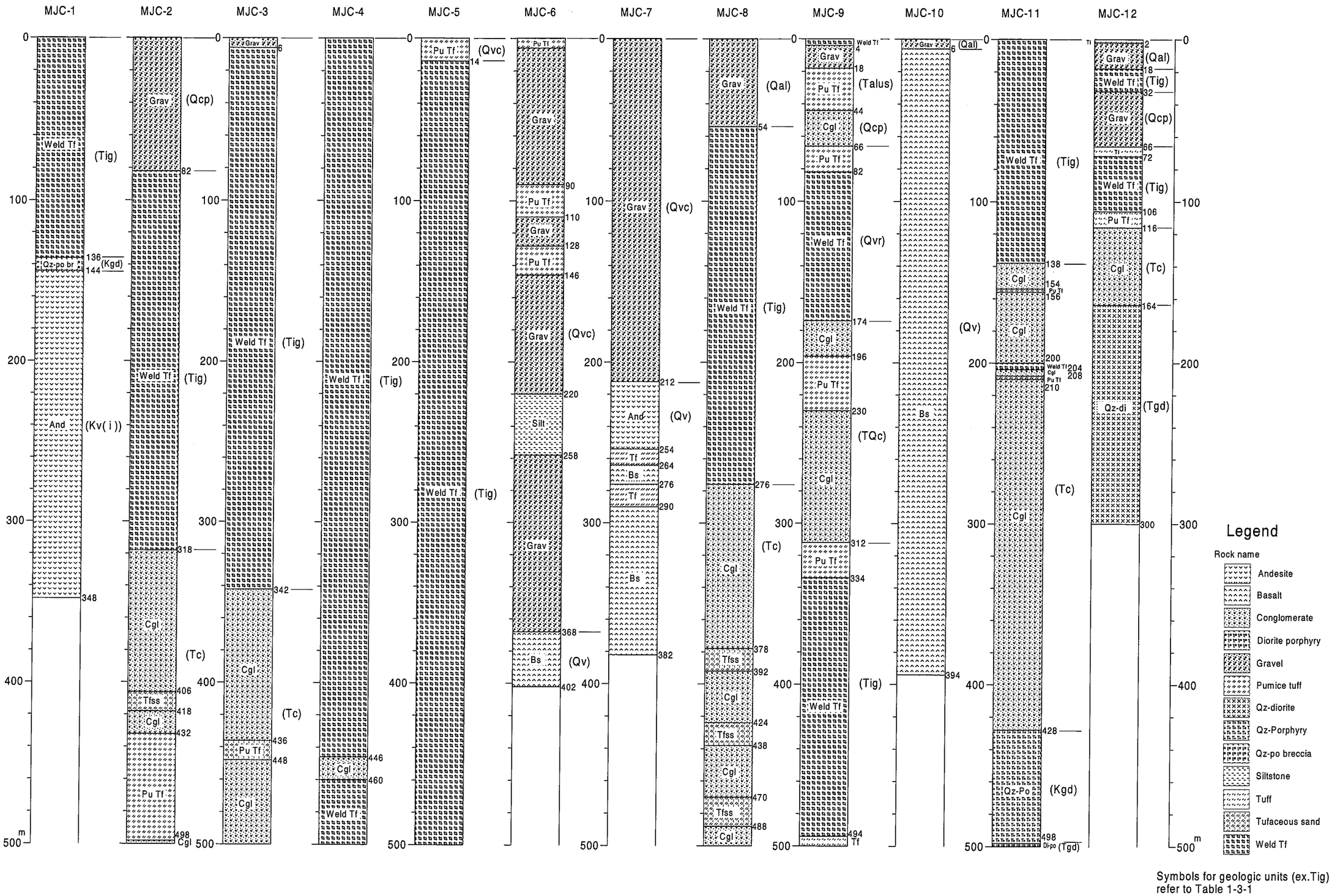
Sample No. Hole No. Depth (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
MJC-10 108-110	<5	0.2	65	9	82	5	14	<2	0.057
MJC-10 110-112	<5	<0.1	70	7	82	5	11	<2	0.048
MJC-10 112-114	<5	<0.1	69	3	76	5	<5	<2	0.038
MJC-10 114-116	<5	<0.1	64	6	83	5	8	<2	0.015
MJC-10 116-118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

AP-52 Results of Geochemical Analysis of Rock samples (Drilling) (3)

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

AP-52 Results of Geochemical Analysis of Rock samples (Drilling) (4)

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



Symbols for geologic units (ex.Tig) refer to Table 1-3-1

AP-53 Geologic Logs of MJC-1～12

AP-54 Inventory of Short Wavelength Magnetic Anomaly (1/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SH-43	S	B	Tdg/Cv	0	442.265	7971.651
SH-53	S	B	Cv	0	442.347	7964.287
SH-204	S	B	Js	0	505.855	7803.197
SH-294	S	B	Cv	0	510.604	7689.475
SH-300	S	B	Cv/Ci	0	524.339	7686.397
SH-304	S	B	Ji	0	469.123	7679.611
SH-41	L	B/Ig	Cv	0	471.549	7972.530
SH-174	L	B/Ig	Tdg/Cs	0	484.566	7829.161
SH-181	S	B/Ig	Cs	0	483.467	7823.611
SH-203	L	B/Ig	Cv	0	460.748	7803.554
SH-287	L	B/Qs	Jv/Ji	0	448.548	7696.948
SH-7	S	Ig		0	452.595	8005.720
SH-24	S	Ig		0	453.473	7990.169
SH-36	L	Ig		0	459.050	7978.574
SH-40	L	Ig		0	456.165	7973.794
SH-45	S	Ig		0	461.412	7970.744
SH-73	S	Ig		0	448.637	7938.872
SH-79	S	Ig		0	455.477	7930.519
SH-80	S	Ig		0	423.144	7928.871
SH-85	L	Ig		0	463.636	7920.711
SH-92	S	Ig		0	471.080	7912.166
SH-115	S	Ig		0	469.760	7885.157
SH-127	S	Ig		0	459.156	7873.397
SH-129	S	Ig		0	495.006	7873.205
SH-137	S	Ig		0	450.613	7866.281
SH-168	S	Ig		0	480.775	7838.503
SH-253	S	Ig		0	432.836	7761.901
SH-254	S	Ig		0	440.006	7760.719
SH-262	S	Ig		0	493.354	7748.767
SH-295	S	Ig		0	539.970	7689.227
SH-25	L	Qs		0	464.709	7989.730
SH-29	S	Qs		0	462.758	7985.141
SH-110	S	Qs		0	439.021	7890.460
SH-153	S	Qs		0	426.630	7851.279
SH-154	S	Qs		0	414.955	7851.087
SH-213	L	Qs		0	442.067	7794.405
SH-250	L	Qs		0	457.505	7764.291
SH-267	S	Qs		0	444.044	7739.426
SH-268	S	Qs		0	467.861	7737.447
SH-293	S	Qs		0	468.931	7690.024
SH-308	S	Qs		0	458.684	7674.116
SH-3	S	Qs/Ig		0	444.491	8014.595
SH-50	S	Qs/Ig		0	402.844	7966.513
SH-93	S	Qs/Ig		0	412.347	7909.940
SH-96	S	Qs/Ig		0	446.219	7907.605
SH-107	S	Qs/Ig		0	466.766	7895.763
SH-125	S	Qs/Ig		0	424.488	7875.348
SH-22	S	B	Tdg/Cv	1	440.452	7991.516
SH-32	S	B	Cv/Tdg	1	438.501	7981.267
SH-69	S	B	Tdg/Cv	1	456.027	7944.147
SH-224	S	B	Cv/Ci/Js	1	488.081	7786.574
SH-231	L	B	Ci/Cv	1	463.824	7782.013
SH-243	L	B	Cv/Ci	1	463.714	7771.572

AP-54 Inventory of Short Wavelength Magnetic Anomaly (2/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SH-298	S	B	Cv/Ci	1	534.778	7687.029
SH-11	S	B/Ig	Cv	1	439.821	8000.583
SH-76	L	B/Ig	Cv	1	465.147	7932.663
SH-183	S	B/Ig	Pc/Cs	1	476.297	7822.073
SH-201	S	B/Ig	Ci/Cv/Js	1	469.374	7804.378
SH-206	S	B/Ig	Ci	1	474.153	7800.861
SH-255	S	B/Ig	Cv/Ji	1	484.481	7759.455
SH-279	L	B/Ig	Cv	1	528.406	7713.983
SH-4	S	B/Qs/Ig	Cs	1	453.034	8013.441
SH-2	S	Ig		1	452.485	8018.744
SH-9	S	Ig		1	458.418	8002.561
SH-12	S	Ig		1	429.684	7999.154
SH-16	S	Ig		1	423.311	7996.901
SH-18	S	Ig		1	476.576	7995.829
SH-19	S	Ig		1	466.797	7994.648
SH-20	S	Ig		1	448.639	7993.769
SH-21	S	Ig		1	417.926	7992.697
SH-51	L	Ig		1	463.829	7965.523
SH-54	L	Ig		1	471.356	7961.677
SH-58	S	Ig		1	417.650	7957.528
SH-75	S	Ig		1	457.977	7934.916
SH-77	S	Ig		1	419.545	7931.948
SH-78	L	Ig		1	461.576	7931.151
SH-82	L	Ig		1	431.770	7925.381
SH-87	S	Ig		1	426.825	7919.886
SH-90	S	Ig		1	476.657	7914.858
SH-95	S	Ig		1	438.774	7907.715
SH-106	S	Ig		1	478.744	7895.927
SH-108	S	Ig		1	483.853	7895.570
SH-113	S	Ig		1	483.743	7888.564
SH-116	S	Ig		1	476.848	7884.882
SH-120	S	Ig		1	463.470	7881.722
SH-123	S	Ig		1	455.118	7876.612
SH-135	S	Ig		1	462.755	7868.067
SH-136	S	Ig		1	456.986	7867.270
SH-173	L	Ig		1	491.021	7831.497
SH-176	S	Ig		1	496.488	7827.925
SH-256	S	Ig		1	496.403	7757.560
SH-258	S	Ig		1	493.354	7754.510
SH-269	S	Ig		1	519.423	7735.826
SH-284	S	Ig		1	473.683	7698.734
SH-296	L	Ig		1	545.629	7689.227
SH-28	S	Ig/Qs		1	469.049	7985.416
SH-44	S	Ig/Qs		1	432.183	7971.183
SH-64	S	Qs		1	401.195	7951.346
SH-164	L	Qs		1	422.674	7843.724
SH-185	L	Qs		1	429.514	7821.084
SH-186	S	Qs		1	436.327	7820.177
SH-193	L	Qs		1	465.445	7814.819
SH-195	S	Qs		1	455.995	7812.017
SH-197	S	Qs		1	432.398	7810.395
SH-199	L	Qs		1	426.189	7805.725
SH-200	S	Qs		1	450.611	7805.725

AP-54 Inventory of Short Wavelength Magnetic Anomaly (3/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SH-207	S	Qs		1	445.391	7798.251
SH-210	S	Qs		1	435.255	7795.833
SH-212	L	Qs		1	428.057	7794.569
SH-214	S	Qs		1	424.376	7793.058
SH-217	S	Qs		1	438.111	7792.234
SH-232	S	Qs		1	468.494	7780.392
SH-237	L	Qs		1	434.375	7778.414
SH-240	S	Qs		1	455.720	7775.611
SH-244	L	Qs		1	432.726	7770.144
SH-249	S	Qs		1	465.609	7764.841
SH-251	S	Qs		1	445.116	7763.934
SH-265	S	Qs		1	478.190	7744.536
SH-275	L	Qs		1	453.383	7721.457
SH-276	S	Qs		1	469.289	7719.478
SH-281	S	Qs		1	448.905	7709.037
SH-285	S	Qs		1	481.870	7697.580
SH-138	S	Qs/Ig		1	427.455	7865.292
SH-139	S	Qs/Ig		1	433.471	7864.028
SH-175	S	Qs/Ig		1	445.035	7828.887
SH-5	S	B	Cs	2	462.182	8011.545
SH-30	L	B	Tdg	2	435.178	7984.866
SH-52	L	B	Cv	2	451.522	7965.276
SH-55	S	B	Cv	2	446.385	7961.485
SH-56	L	B	Cv	2	454.379	7961.402
SH-60	S	B	Cv	2	449.352	7956.731
SH-162	S	B	Cs	2	474.045	7844.355
SH-177	S	B	Pc/Cs	2	472.149	7827.733
SH-209	L	B	Cv/Ci	2	455.198	7796.822
SH-211	S	B	Cv	2	462.011	7795.751
SH-216	S	B	Ci	2	449.622	7792.701
SH-219	L	B	Cv	2	462.643	7790.970
SH-220	L	B	Ci	2	500.992	7789.899
SH-223	S	B	Ci	2	453.385	7788.030
SH-229	S	B	Js	2	492.476	7783.964
SH-233	S	B	Js/Cv/Ci	2	495.168	7780.035
SH-235	S	B	Ci	2	485.278	7779.650
SH-238	S	B	Ci/Cv	2	499.646	7777.315
SH-241	L	B	Ci	2	460.142	7774.814
SH-245	S	B	Cv/Ci	2	491.926	7767.478
SH-280	S	B	Cv	2	503.599	7711.483
SH-282	S	B	Cv	2	502.720	7701.619
SH-283	S	B	Ci	2	515.741	7699.366
SH-286	S	B	Cv	2	504.753	7697.113
SH-288	L	B	Cv	2	521.840	7695.767
SH-289	S	B	Cv	2	534.504	7694.887
SH-290	S	B	Cv	2	508.351	7693.624
SH-291	S	B	Cv	2	528.652	7691.206
SH-292	S	B	Cv	2	519.312	7691.096
SH-302	S	B	Jv/Ji/Cv	2	462.640	7683.815
SH-305	S	B	Cv	2	524.724	7678.347
SH-306	S	B	Cv	2	532.086	7675.654
SH-312	S	B	Cv/Ci/Ji	2	528.487	7668.648
SH-316	S	B	Cv/Ci	2	512.938	7662.796

AP-54 Inventory of Short Wavelength Magnetic Anomaly (4/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SH-318	S	B	Pi/Cv	2	523.816	7659.389
SH-326	S	B	Cv	2	509.339	7648.234
SH-23	L	B/Ig	Cv	2	428.420	7990.362
SH-33	S	B/Ig	Cs/Tdg	2	422.404	7980.553
SH-37	S	B/Ig	Tdg	2	428.008	7977.475
SH-42	S	B/Ig	Cs	2	421.057	7972.090
SH-68	L	B/Ig	Cv	2	460.944	7944.422
SH-88	L	B/Ig	Tdg	2	458.334	7916.836
SH-133	S	B/Ig	Cv	2	443.690	7869.496
SH-170	S	B/Ig	Pc/Cs	2	473.001	7836.992
SH-208	S	B/Ig	Ci	2	476.845	7797.894
SH-215	S	B/Ig	Ci	2	458.412	7792.784
SH-225	L	B/Ig	Cv	2	459.429	7785.338
SH-230	S	B/Ig	Cv	2	454.649	7782.618
SH-270	L	B/Ig	Cv	2	516.017	7730.881
SH-59	L	B/Qs	Cv	2	459.598	7957.281
SH-1	L	Ig		2	444.601	8021.162
SH-6	S	Ig		2	469.572	8006.352
SH-8	S	Ig		2	443.969	8003.632
SH-10	S	Ig		2	454.463	8001.764
SH-13	L	Ig		2	446.111	7998.357
SH-14	L	Ig		2	461.852	7997.972
SH-15	S	Ig		2	457.814	7997.890
SH-17	S	Ig		2	450.809	7996.186
SH-27	S	Ig		2	424.134	7986.213
SH-31	S	Ig		2	473.884	7984.070
SH-34	S	Ig		2	432.101	7980.031
SH-35	S	Ig		2	453.858	7979.289
SH-38	L	Ig		2	466.686	7976.679
SH-39	S	Ig		2	462.923	7974.975
SH-48	S	Ig		2	478.911	7967.502
SH-49	L	Ig		2	470.010	7966.787
SH-57	S	Ig		2	434.106	7959.616
SH-61	L	Ig		2	477.207	7955.660
SH-63	L	Ig		2	466.603	7951.978
SH-66	S	Ig		2	431.495	7946.043
SH-70	L	Ig		2	466.163	7942.883
SH-71	S	Ig		2	420.342	7941.730
SH-72	S	Ig		2	424.380	7939.504
SH-74	S	Ig		2	429.050	7936.619
SH-81	S	Ig		2	446.851	7927.634
SH-83	S	Ig		2	452.235	7924.200
SH-84	S	Ig		2	457.537	7922.771
SH-86	L	Ig		2	437.428	7920.518
SH-89	S	Ig		2	449.735	7916.205
SH-91	S	Ig		2	464.789	7912.523
SH-94	S	Ig		2	457.070	7908.594
SH-97	S	Ig		2	470.091	7905.901
SH-98	S	Ig		2	478.304	7902.219
SH-99	S	Ig		2	482.700	7902.137
SH-100	L	Ig		2	472.810	7902.055
SH-104	S	Ig		2	452.756	7896.999
SH-105	S	Ig		2	457.976	7896.120

AP-54 Inventory of Short Wavelength Magnetic Anomaly (5/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SH-111	S	Ig		2	454.487	7890.185
SH-114	S	Ig		2	448.553	7887.135
SH-118	S	Ig		2	483.935	7883.618
SH-119	S	Ig		2	440.476	7881.805
SH-121	S	Ig		2	448.470	7878.151
SH-122	S	Ig		2	440.119	7877.326
SH-124	S	Ig		2	479.018	7875.980
SH-126	S	Ig		2	450.805	7873.919
SH-128	S	Ig		2	470.117	7873.205
SH-130	S	Ig		2	431.686	7872.573
SH-131	S	Ig		2	490.061	7872.298
SH-132	S	Ig		2	467.425	7869.853
SH-134	S	Ig		2	482.864	7869.413
SH-140	L	Ig		2	474.320	7863.396
SH-142	S	Ig		2	469.128	7863.149
SH-143	S	Ig		2	486.435	7862.599
SH-144	S	Ig		2	464.018	7860.182
SH-146	S	Ig		2	477.561	7858.011
SH-147	S	Ig		2	500.802	7858.011
SH-148	S	Ig		2	455.804	7857.736
SH-150	L	Ig		2	471.518	7854.247
SH-151	S	Ig		2	480.775	7853.890
SH-152	S	Ig		2	496.956	7852.433
SH-155	S	Ig		2	506.213	7850.208
SH-156	S	Ig		2	465.062	7849.301
SH-157	S	Ig		2	482.588	7849.219
SH-158	S	Ig		2	502.779	7848.669
SH-159	S	Ig		2	471.188	7848.230
SH-161	L	Ig		2	497.038	7846.883
SH-163	S	Ig		2	489.950	7844.191
SH-165	L	Ig		2	501.076	7843.284
SH-169	S	Ig		2	497.505	7837.871
SH-171	S	Ig		2	501.186	7836.360
SH-179	S	Ig		2	503.795	7826.826
SH-180	S	Ig		2	509.179	7826.661
SH-184	S	Ig		2	488.796	7821.276
SH-188	S	Ig		2	513.849	7819.462
SH-189	S	Ig		2	483.769	7818.226
SH-190	L	Ig		2	507.201	7817.951
SH-191	S	Ig		2	498.932	7817.155
SH-198	L	Ig		2	498.026	7808.692
SH-218	S	Ig		2	475.224	7791.080
SH-234	S	Ig		2	508.354	7779.842
SH-246	S	Ig		2	510.002	7766.544
SH-248	S	Ig		2	501.733	7765.555
SH-303	S	Ig		2	542.689	7679.776
SH-222	S	Ig/B	Tdg	2	511.431	7788.195
SH-65	L	Ig/Qs		2	473.608	7949.533
SH-101	S	Ig/Qs		2	438.774	7901.313
SH-266	S	Ig/Qs		2	486.266	7743.547
SH-26	S	Qs		2	477.291	7989.537
SH-46	L	Qs		2	453.143	7969.837
SH-47	L	Qs		2	412.816	7969.123

AP-54 Inventory of Short Wavelength Magnetic Anomaly (6/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SH-62	S	Qs		2	472.262	7954.671
SH-103	L	Qs		2	448.004	7896.999
SH-109	S	Qs		2	443.142	7894.581
SH-145	S	Qs		2	436.960	7859.082
SH-149	S	Qs		2	422.949	7857.297
SH-160	S	Qs		2	433.882	7846.883
SH-166	S	Qs		2	427.729	7839.245
SH-167	S	Qs		2	417.839	7838.778
SH-172	S	Qs		2	432.728	7833.942
SH-178	S	Qs		2	425.476	7827.568
SH-182	L	Qs		2	459.594	7822.622
SH-187	S	Qs		2	451.957	7819.655
SH-192	S	Qs		2	438.057	7815.616
SH-194	L	Qs		2	425.640	7814.627
SH-196	S	Qs		2	438.332	7811.577
SH-202	L	Qs		2	441.106	7804.104
SH-205	S	Qs		2	434.183	7801.411
SH-226	S	Qs		2	434.265	7785.145
SH-227	L	Qs		2	427.068	7784.596
SH-228	L	Qs		2	443.605	7783.964
SH-236	S	Qs		2	426.546	7778.853
SH-239	S	Qs		2	448.193	7776.078
SH-242	S	Qs		2	441.902	7773.633
SH-247	S	Qs		2	470.444	7766.462
SH-252	S	Qs		2	473.685	7762.588
SH-257	S	Qs		2	452.313	7754.510
SH-259	S	Qs		2	471.268	7754.263
SH-260	S	Qs		2	440.995	7752.367
SH-261	S	Qs		2	436.874	7749.207
SH-263	S	Qs		2	458.960	7747.311
SH-264	S	Qs		2	446.736	7746.514
SH-272	S	Qs		2	449.263	7730.441
SH-273	S	Qs		2	443.137	7726.924
SH-277	S	Qs		2	448.356	7719.286
SH-278	S	Qs		2	460.306	7716.786
SH-297	S	Qs		2	456.898	7687.387
SH-299	S	Qs		2	481.402	7686.865
SH-301	L	Qs		2	451.404	7686.150
SH-307	S	Qs		2	474.946	7674.391
SH-309	S	Qs		2	465.771	7672.220
SH-310	S	Qs		2	483.764	7670.352
SH-311	S	Qs		2	468.216	7669.527
SH-313	S	Qs		2	473.682	7666.752
SH-314	S	Qs		2	476.292	7664.856
SH-315	S	Qs		2	487.802	7664.142
SH-317	S	Qs		2	460.936	7662.439
SH-319	S	Qs		2	468.023	7658.674
SH-320	L	Qs		2	491.566	7654.086
SH-321	L	Qs		2	459.589	7650.844
SH-322	S	Qs		2	467.144	7650.761
SH-323	S	Qs		2	485.906	7650.130
SH-324	S	Qs		2	473.435	7649.058
SH-325	S	Qs		2	479.890	7648.426

AP-54 Inventory of Short Wavelength Magnetic Anomaly (7/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SH-327	S	Qs		2	462.996	7646.997
SH-328	S	Qs		2	488.159	7645.651
SH-67	L	Qs/Ig		2	476.493	7944.697
SH-102	S	Qs/Ig		2	405.809	7897.549
SH-112	S	Qs/Ig		2	420.780	7889.910
SH-117	S	Qs/Ig		2	427.538	7884.250
SH-141	S	Qs/Ig		2	493.083	7863.396
SH-221	S	Qs/Ig		2	471.626	7789.267
SH-271	S	Qs/Ig		2	468.685	7730.633
SH-274	S	Qs/Ig		2	512.583	7725.935
SL-1	L	Ig		2	449.089	8021.269
SL-2	L	B/Ig	Cs	1	457.903	8014.869
SL-3	L	B/Qs	Cs	2	466.292	8009.032
SL-4	L	B/Ig	Cs	2	455.350	8008.743
SL-5	L	B/Ig	Cs	0	457.767	8004.898
SL-6	S	Ig		0	428.181	8003.620
SL-7	S	Ig		2	446.674	8001.203
SL-8	S	Ig		1	460.472	8001.066
SL-9	S	Qs		0	442.116	7998.072
SL-10	S	Ig		2	454.061	7998.072
SL-11	S	Ig		0	466.362	7997.289
SL-12	L	Ig		2	445.604	7995.146
SL-13	S	Ig		1	428.044	7994.940
SL-14	L	Ig		1	461.886	7993.155
SL-15	S	Ig		0	422.484	7992.385
SL-16	S	Ig		1	467.502	7991.946
SL-17	S	Ig		1	448.666	7990.531
SL-18	S	Ig		2	480.380	7990.394
SL-19	S	B/Ig	Cv/Tdg	2	436.722	7988.402
SL-20	S	Qs		0	465.305	7986.905
SL-21	S	Ig		0	455.489	7986.617
SL-22	S	Ig		0	478.032	7985.765
SL-23	S	Ig		2	427.331	7984.200
SL-24	S	B	Cv/Tdg	2	431.313	7983.348
SL-25	S	Ig		2	466.157	7982.139
SL-26	S	Ig		0	457.631	7981.782
SL-27	S	Ig		2	477.387	7980.574
SL-28	S	Ig		1	472.198	7980.505
SL-29	S	B	Cv/Tdg	0	439.207	7977.442
SL-30	S	Ig		1	455.490	7976.591
SL-31	S	Ig		1	459.966	7975.025
SL-32	S	Ig		2	428.609	7973.885
SL-33	L	Ig		0	465.169	7972.882
SL-34	L	Qs		1	451.289	7972.814
SL-35	S	Ig		1	457.412	7971.248
SL-36	L	Ig		0	469.494	7969.970
SL-37	L	Ig		1	466.446	7968.048
SL-38	L	B	Cv/Pc/Tdg	2	447.514	7967.265
SL-39	L	Qs		2	455.642	7967.265
SL-40	S	Qs		0	433.373	7966.551
SL-41	L	B/Qs	Ci	2	413.027	7965.342
SL-42	L	Qs		1	472.501	7964.628
SL-43	S	Ig/Qs		2	437.424	7962.856

AP-54 Inventory of Short Wavelength Magnetic Anomaly (8/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SL-44	S	Qs		0	402.511	7962.279
SL-45	L	Ig		0	477.677	7960.219
SL-46	L	B	Cv	2	452.073	7959.148
SL-47	S	Ig		2	471.568	7957.733
SL-48	L	Qs		2	467.161	7955.879
SL-49	S	Ig		2	417.435	7953.750
SL-50	L	Ig		2	460.832	7952.321
SL-51	L	Ig		2	476.195	7951.539
SL-52	L	Ig		2	464.457	7948.695
SL-53	L	Ig		2	468.796	7946.773
SL-54	L	Ig		2	472.777	7946.278
SL-55	S	B/Ig	Cv/Pc	2	450.591	7944.067
SL-56	S	B	Cv/Tdg	0	455.493	7940.510
SL-57	S	B	Cv	2	462.179	7939.232
SL-58	L	B/Ig	Cv	2	468.014	7938.875
SL-59	S	B	Cv	1	457.909	7938.449
SL-60	S	Ig		2	422.571	7935.812
SL-61	S	Ig		2	439.993	7933.258
SL-62	S	Ig		1	426.553	7932.118
SL-63	S	Ig		2	448.162	7930.758
SL-64	S	Ig		0	461.823	7928.121
SL-65	S	Ig		1	467.300	7928.052
SL-66	S	Ig		2	454.917	7927.695
SL-67	S	Ig		1	423.217	7924.069
SL-68	L	Ig		2	433.294	7922.449
SL-69	L	Ig		2	457.979	7919.743
SL-70	S	Ig		2	464.102	7917.257
SL-71	S	Ig		2	459.490	7913.342
SL-72	S	Ig/Qs		0	476.253	7911.845
SL-73	S	Ig/Qs		1	438.498	7911.269
SL-74	S	Ig		2	471.077	7909.140
SL-75	S	Ig		2	465.737	7909.002
SL-76	S	Ig		2	453.930	7905.720
SL-77	S	Ig		2	474.839	7904.648
SL-78	S	Ig		2	406.991	7902.080
SL-79	S	Ig		2	443.620	7901.654
SL-80	S	B/Ig	Tdg/Cv	2	470.501	7899.237
SL-81	L	Ig		1	481.100	7899.237
SL-82	L	B	Tdg/Cv	2	454.782	7893.620
SL-83	S	Qs/Ig		2	424.414	7893.194
SL-84	L	Ig		2	447.890	7892.699
SL-85	S	Ig		0	466.740	7892.054
SL-86	S	Ig		0	481.458	7891.065
SL-87	S	Ig		1	441.205	7886.368
SL-88	S	B/Qs/Ig	Cs	0	426.337	7879.322
SL-89	S	Ig		2	476.612	7878.113
SL-90	S	Ig		2	442.908	7875.407
SL-91	S	Ig		2	463.817	7875.201
SL-92	S	Ig		0	491.344	7874.982
SL-93	S	Ig		2	480.663	7872.921
SL-94	S	Ig		1	456.418	7870.724
SL-95	L	Ig		2	450.651	7870.216
SL-96	S	Ig		2	473.277	7870.010

AP-54 Inventory of Short Wavelength Magnetic Anomaly (9/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SL-97	S	Ig		2	490.836	7869.089
SL-98	S	Ig		2	430.676	7867.798
SL-99	S	Ig		2	469.227	7866.947
SL-100	S	Ig		2	486.155	7866.233
SL-101	S	Ig		2	479.894	7865.944
SL-102	S	B	Js/Cv	1	443.623	7865.244
SL-103	L	Ig		2	463.324	7864.310
SL-104	L	Ig		2	472.989	7858.981
SL-105	S	Ig		2	494.187	7858.404
SL-106	S	Ig		2	483.245	7857.127
SL-107	2	Qs		2	428.041	7856.838
SL-108	L	Ig		2	464.107	7853.501
SL-109	S	Ig		2	472.647	7851.152
SL-110	S	Ig		2	497.455	7849.655
SL-111	S	Qs		0	422.564	7848.378
SL-112	S	Ig		2	489.781	7848.158
SL-113	L	Ig		2	501.588	7846.180
SL-114	S	Ig		2	506.352	7846.029
SL-115	S	Ig		2	495.904	7843.749
SL-116	S	B	Cs	2	473.787	7840.549
SL-117	S	Ig		2	501.231	7840.343
SL-118	S	Qs		2	422.441	7839.697
SL-119	S	Ig		2	485.937	7835.563
SL-120	S	Ig		2	490.633	7834.574
SL-121	S	Ig		0	500.586	7832.789
SL-122	S	Qs		2	426.477	7832.583
SL-123	S	B/Ig	Tdg	0	484.798	7832.294
SL-124	S	Ig		2	503.648	7830.014
SL-125	L	Qs		0	490.139	7828.380
SL-126	L	B/Ig	Cs	0	484.304	7825.963
SL-127	S	Qs		1	429.759	7825.743
SL-128	S	Ig		2	490.414	7824.603
SL-129	S	Ig		2	509.978	7823.188
SL-130	S	Ig		2	514.110	7822.186
SL-131	S	Ig		2	506.573	7820.908
SL-132	S	Ig		2	493.407	7820.551
SL-133	S	Qs		0	422.868	7819.631
SL-134	S	Qs/Ig		2	466.746	7818.697
SL-135	S	Ig/Qs		0	458.069	7817.914
SL-136	S	Qs		0	431.476	7816.211
SL-137	S	Ig		2	514.742	7816.211
SL-138	S	Qs		1	462.119	7812.379
SL-139	S	Ig		2	510.761	7811.871
SL-140	L	Qs		1	424.351	7810.676
SL-141	S	Ig		2	501.453	7809.605
SL-142	L	Qs/Ig		2	465.813	7808.396
SL-143	L	Qs		0	428.484	7808.327
SL-144	S	Qs		0	453.580	7808.108
SL-145	S	Qs		2	443.847	7806.185
SL-146	S	Ig		2	516.171	7805.182
SL-147	S	B/Ig	Ci	0	498.035	7804.688
SL-148	S	Qs		2	436.378	7804.262
SL-149	S	Qs		2	423.789	7803.410

AP-54 Inventory of Short Wavelength Magnetic Anomaly (10/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SL-150	L	Ig		2	508.840	7800.911
SL-151	L	Qs		2	426.851	7799.565
SL-152	L	B/Ig/Qs	Tqp/Cv	2	460.692	7799.565
SL-153	S	Qs		1	441.925	7799.414
SL-154	L	Qs		1	438.575	7797.999
SL-155	S	Qs		0	445.481	7795.719
SL-156	S	Ig		2	474.779	7794.936
SL-157	S	B/Ig	Ci	2	454.158	7793.521
SL-158	S	Qs		1	434.100	7792.519
SL-159	S	Qs		1	428.979	7790.953
SL-160	S	B/Ig	Ci	2	453.156	7790.747
SL-161	S	Ig		1	483.607	7790.747
SL-162	S	Qs		2	432.755	7789.964
SL-163	S	B/Ig	Ci	2	457.494	7789.964
SL-164	L	Qs		2	443.916	7789.895
SL-165	S	Qs		2	436.585	7788.179
SL-166	L	B	Cv	2	463.110	7787.753
SL-167	S	Qs		2	428.691	7787.052
SL-168	S	B	Cv	1	468.876	7785.404
SL-169	S	B/Ig	Ci	2	454.008	7785.267
SL-170	S	B	Ci	2	448.681	7784.978
SL-171	S	B	Cv/Ci	2	487.012	7782.850
SL-172	S	Qs		1	438.439	7781.572
SL-173	S	Ig		2	499.945	7781.504
SL-174	S	Qs		2	428.060	7781.146
SL-175	L	B	Cv	0	457.564	7780.570
SL-176	S	B	Ci	2	490.500	7779.855
SL-177	S	Qs		2	431.259	7779.498
SL-178	L	Qs		2	445.276	7779.361
SL-179	S	Ig		2	503.501	7779.361
SL-180	L	B	Cv	0	480.615	7778.509
SL-181	L	B	Ci/Cv	2	461.559	7778.290
SL-182	S	Qs		1	452.388	7776.449
SL-183	S	B	Js	2	495.044	7775.941
SL-184	S	Qs		0	435.735	7774.732
SL-185	S	Qs		1	428.623	7773.318
SL-186	S	Qs		0	448.682	7772.672
SL-187	S	Qs		1	437.877	7770.104
SL-188	S	B/Qs	Cv	2	459.281	7769.678
SL-189	S	Ig/Qs		2	473.504	7769.472
SL-190	S	B/Qs	Cv	0	464.251	7767.755
SL-191	S	Qs		1	435.887	7766.972
SL-192	S	Qs		2	431.123	7765.132
SL-193	L	Qs		1	438.729	7763.566
SL-194	S	Ig		2	492.560	7760.723
SL-195	S	Qs		1	469.441	7760.503
SL-196	S	Qs		1	444.193	7759.514
SL-197	S	Qs		1	434.446	7758.512
SL-198	S	B/Ig	Ji	1	489.499	7756.383
SL-199	S	Qs		2	446.830	7750.971
SL-200	S	Qs		2	470.581	7747.483
SL-201	S	Qs		2	441.915	7747.414
SL-202	S	Qs		1	480.535	7741.151

AP-54 Inventory of Short Wavelength Magnetic Anomaly (11/11)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
SL-203	S	Qs		0	464.816	7735.740
SL-204	L	Qs		2	444.689	7734.819
SL-205	S	B/Ig	Cv	2	519.004	7732.677
SL-206	L	B/Ig	Cv	2	516.602	7727.485
SL-207	S	Qs		0	468.880	7724.779
SL-208	S	Qs		0	451.307	7724.148
SL-209	S	Qs		2	444.416	7719.959
SL-210	S	B/Ig	Cv/Js	1	491.561	7719.959
SL-211	S	Ig/Qs		1	528.259	7718.173
SL-212	L	Qs		2	454.026	7717.967
SL-213	S	Qs		1	452.173	7712.350
SL-214	S	B/Ig	Js	2	498.317	7700.098
SL-215	S	B	Js/Ci/Cv	2	503.933	7693.849
SL-216	S	Qs		2	447.685	7692.984
SL-217	S	B	Cv	2	523.002	7692.063
SL-218	L	Ig		1	544.763	7691.706
SL-219	S	B	Cv	0	536.086	7691.349
SL-220	S	B	Cv	1	514.600	7690.992
SL-221	S	B	Cv	0	517.813	7688.149
SL-222	L	Ig/Qs		0	543.047	7687.297
SL-223	S	Qs		2	457.722	7683.740
SL-224	S	B	Cv/Js	0	525.914	7683.095
SL-225	S	Qs		2	468.884	7675.197
SL-226	S	B	Ci	2	532.463	7671.146
SL-227	L	Qs		2	474.499	7670.788
SL-228	S	B/Qs	Ci/Cv	2	489.437	7668.508
SL-229	S	B	Cv	2	480.252	7663.880
SL-230	S	B	Pi/Cv	2	526.121	7663.028
SL-231	S	Qs		2	469.160	7662.671
SL-232	S	Qs		2	487.309	7659.128
SL-233	S	Qs		2	492.279	7658.551
SL-234	S	Qs		2	484.742	7654.568
SL-235	S	Qs		2	477.494	7650.859
SL-236	S	Qs		2	483.329	7648.236
SL-237	S	Qs		2	466.964	7646.808
SL-238	S	Qs		2	458.933	7646.451

AP-55 Inventory of Medium Wavelength Magnetic Anomaly (1/4)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
MH-11	S	B/	Cv	0	447.756	7949.636
MH-23	S	B/Ig	Cv	0	472.372	7889.303
MH-44	S	B/Ig	Ci/Cv/Js	0	499.653	7806.358
MH-53	L	B/Ig	Ci/Cv	0	483.696	7776.631
MH-3	S	B/Ig/Qs	Cv/Tdg	0	443.276	7982.742
MH-49	L	B/Ig/Qs	Cv	0	465.291	7783.060
MH-45	S	B/Qs/Ig	Ci	0	475.920	7803.913
MH-15	S	Ig		0	465.942	7924.799
MH-1	S	Ig/Qs		0	447.038	8016.783
MH-2	S	Ig/Qs		0	458.576	7993.814
MH-4	S	Ig/Qs		0	471.708	7968.923
MH-5	S	Ig/Qs		0	403.859	7968.263
MH-8	S	Ig/Qs		0	432.674	7964.472
MH-9	S	Qs		0	403.860	7953.400
MH-27	L	Qs		0	409.853	7868.230
MH-41	L	Qs		0	426.036	7809.216
MH-46	S	Qs		0	440.458	7797.237
MH-48	L	Qs		0	427.163	7789.269
MH-58	S	Qs		0	432.467	7745.805
MH-60	S	Qs		0	437.797	7739.816
MH-61	S	Qs/Ig		0	466.392	7734.486
MH-12	S	B/	Cv	1	461.738	7938.756
MH-47	S	B/Ig	Ci/Cv	1	452.654	7796.797
MH-64	L	B/Ig/Qs	Cv	1	528.254	7714.320
MH-14	L	Ig		1	438.005	7931.008
MH-34	S	Ig		1	506.518	7845.591
MH-59	S	Ig		1	512.513	7740.695
MH-16	S	Ig/Qs		1	409.630	7920.129
MH-18	S	Ig/Qs		1	436.221	7913.919
MH-24	S	Qs		1	426.251	7884.192
MH-35	L	Qs		1	421.831	7842.926
MH-38	S	Qs		1	433.589	7829.189
MH-42	S	Qs		1	452.654	7808.996
MH-51	S	Qs		1	434.031	7779.516
MH-54	S	Qs		1	444.882	7767.317
MH-55	S	Qs		1	467.077	7763.306
MH-63	S	Qs		1	452.439	7721.875
MH-65	S	Qs		1	465.734	7713.001
MH-67	S	Qs		1	477.272	7698.797
MH-40	L	Qs/Ig		1	465.069	7815.425
MH-66	S	B	Cv/Ci/Js	2	501.225	7703.468
MH-70	S	B	Cv/Ci/Js	2	507.874	7680.609
MH-72	S	B/	Ji	2	473.511	7673.081
MH-73	S	B/	Ci/Cv	2	531.360	7672.422
MH-74	S	B/	Jv	2	486.147	7668.438
MH-25	S	B/Ig	Cv	2	448.639	7871.554
MH-37	S	B/Ig	Pc/Cs	2	473.034	7829.409
MH-52	S	B/Ig	Ci/Cv/Js	2	496.990	7778.390
MH-7	S	B/Ig/Qs	Ci	2	413.611	7964.911
MH-20	S	B/Ig/Qs	Cv	2	406.088	7901.474
MH-22	L	B/Ig/Qs	CV/Tdg	2	452.868	7894.385

AP-55 Inventory of Medium Wavelength Magnetic Anomaly (2/4)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
MH-6	L	B/Qs	Cv	2	454.622	7966.697
MH-68	L	B/Qs	Cv/Ci	2	526.058	7691.489
MH-69	S	B/Qs	Js/Ji	2	460.187	7685.060
MH-71	S	B/Qs	Cv/Pi/Ci	2	517.626	7677.752
MH-13	L	Ig		2	427.127	7937.877
MH-17	S	Ig		2	449.983	7919.689
MH-19	S	Ig		2	459.295	7909.276
MH-21	S	Ig		2	482.782	7901.034
MH-26	S	Ig		2	468.829	7868.889
MH-30	S	Ig		2	457.952	7856.471
MH-31	S	Ig		2	477.483	7855.592
MH-32	S	Ig		2	490.559	7848.036
MH-39	L	Ig		2	512.948	7816.331
MH-10	L	Ig/Qs		2	467.039	7952.273
MH-28	S	Ig/Qs		2	496.766	7861.361
MH-62	S	Ig/Qs		2	489.906	7725.859
MH-29	S	Qs		2	428.258	7859.356
MH-43	S	Qs		2	439.798	7807.677
MH-50	S	Qs		2	444.881	7782.840
MH-56	S	Qs		2	439.801	7753.993
MH-57	S	Qs		2	448.427	7746.025
MH-75	S	Qs		2	475.489	7657.558
MH-76	L	Qs		2	490.570	7651.789
MH-77	L	Qs		2	458.871	7648.904
MH-33	S	Qs/Ig		2	443.559	7846.470
MH-36	S	Qs/Ig		2	453.531	7837.844
ML-73	S	B	Cv/Js	0	516.183	7686.291
ML-75	S	B	Cv/Js	0	526.542	7681.346
ML-4	S	B/Ig	Cv	0	425.934	7994.319
ML-6	S	B/Ig	Cs	0	407.059	7976.620
ML-7	L	B/Ig	Cv/Tdg	0	450.966	7976.048
ML-10	S	B/Ig	Cv/Qs	0	443.630	7965.001
ML-38	S	B/Ig	Js	0	480.098	7844.373
ML-49	S	B/Ig	Js	0	464.549	7805.955
ML-35	S	B/Ig/Qs	Cv	0	447.538	7859.317
ML-56	L	B/Qs	Cv/Ci	0	455.154	7776.662
ML-58	L	B/Qs	Cv/Ci	0	468.480	7773.778
ML-5	S	Ig		0	479.018	7983.993
ML-17	S	Ig		0	448.221	7938.072
ML-65	S	Ig		0	524.809	7723.993
ML-3	S	Ig/Qs		0	468.220	7997.099
ML-12	S	Ig/Qs		0	410.632	7957.742
ML-14	S	Ig/Qs		0	398.214	7946.227
ML-23	L	Ig/Qs		0	449.266	7910.950
ML-46	S	Ig/Qs		0	475.704	7815.849
ML-34	S	Qs		0	418.771	7864.507
ML-37	L	Qs		0	428.223	7850.577
ML-44	L	Qs		0	424.983	7821.366
ML-60	S	Qs		0	434.658	7761.353
ML-66	S	Qs		0	466.285	7722.832
ML-67	S	Qs		0	442.931	7716.179

AP-55 Inventory of Medium Wavelength Magnetic Anomaly (3/4)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
ML-18	S	B/Ig	Cv	1	462.371	7931.864
ML-24	S	B/Ig	Cv	1	477.099	7909.910
ML-27	S	B/Ig	Cv	1	477.402	7895.676
ML-68	S	B/Ig	Js	1	492.964	7715.938
ML-76	S	B/Ig	Cv	1	539.538	7679.507
ML-25	S	B/Qs/Ig	Cv	1	429.346	7904.985
ML-31	S	B/Qs/Ig	Cv	1	427.755	7876.104
ML-8	S	Ig		1	462.698	7973.274
ML-16	S	Ig		1	434.427	7942.440
ML-21	S	Ig		1	466.054	7914.635
ML-36	S	Ig		1	500.787	7853.911
ML-22	S	Ig/Qs		1	405.799	7912.099
ML-41	S	Ig/Qs		1	456.140	7829.888
ML-53	L	Qs		1	436.167	7789.519
ML-63	L	Qs		1	446.062	7732.941
ML-64	S	Qs		1	458.014	7729.728
ML-69	S	Qs		1	455.350	7711.701
ML-70	S	Qs		1	469.720	7704.669
ML-72	S	Qs		1	462.138	7693.649
ML-74	S	Qs		1	472.497	7682.961
ML-78	S	B	Pc/Pi/Js	2	508.381	7671.012
ML-43	S	B/	Pc	2	468.587	7823.103
ML-1	S	B/Ig	Cs	2	457.311	8012.734
ML-9	S	B/Ig	Cs	2	422.007	7969.010
ML-13	L	B/Ig	Cv	2	455.253	7955.797
ML-15	S	B/Ig	Cv	2	461.326	7945.905
ML-47	L	B/Ig	Js	2	494.085	7814.945
ML-48	S	B/Ig	Js	2	509.280	7808.049
ML-54	S	B/Ig	Cv/Ci	2	483.289	7786.420
ML-55	S	B/Ig	Js/Ci	2	500.434	7785.515
ML-59	S	B/Ig	Cv/Ci	2	489.857	7768.257
ML-71	L	B/Ig	Pi/Cv	2	529.041	7700.884
ML-52	S	B/Ig/Qs	Ci/Cv	2	467.078	7791.474
ML-77	S	B/Qs	Ji	2	450.654	7679.028
ML-79	S	B/Qs	Ji	2	472.718	7664.550
ML-2	S	Ig		2	448.217	7999.048
ML-20	L	Ig		2	436.846	7923.369
ML-28	S	Ig		2	459.928	7887.375
ML-30	S	Ig		2	441.657	7879.898
ML-32	S	Ig		2	489.603	7866.934
ML-33	S	Ig		2	477.542	7866.795
ML-39	S	Ig		2	495.952	7839.319
ML-42	S	Ig		2	508.372	7825.636
ML-11	S	Ig/Qs		2	468.112	7960.855
ML-19	S	Ig/Qs		2	403.051	7929.438
ML-26	S	Ig/Qs		2	454.762	7901.993
ML-29	S	Qs		2	410.032	7886.682
ML-40	L	Qs		2	442.017	7837.828
ML-45	S	Qs		2	446.030	7816.890
ML-50	S	Qs		2	447.404	7802.518
ML-51	S	Qs		2	427.072	7799.521

AP-55 Inventory of Medium Wavelength Magnetic Anomaly (4/4)

Anomaly No.	Amplitude L:Large S:Small	Geology Ig:Ignimbrite Qs:Quat.Sedim. B:Basement		Road 0:On road 1:Near off road 2:Far off road	Easting(km)	Northing(km)
ML-57	L	Qs		2	440.427	7775.148
ML-61	L	Qs		2	448.011	7756.629
ML-62	S	Qs		2	459.964	7753.992
ML-80	S	Qs		2	491.456	7662.024
ML-81	S	Qs		2	457.991	7658.228
ML-82	S	Qs		2	469.971	7649.601
ML-83	S	Qs		2	481.456	7646.607

AP-56 Results of in situ Magnetic Susceptibility Measurement (1/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LS-081	7841737	509503	0.07	0.06	0.09	0.06	0.06	0.11	0.08	0.06	0.07	0.50	0.12	Qcp	Sil Silts	a
LQ-290	7969216	436273	0.81	2.11	4.68	4.73	4.88	4.69	5.83	4.11	4.83	3.21	3.99	Qcp	Cgl	
LT-001	7699890	489656	15.4	10.7	13.6	10.5	17.9	13.9	15.5	15.4	16.2	15.0	14.4	Qcp	Sand	
LT-235	7961975	423717	0.75	0.87	0.78	0.82	0.72	0.69	0.89	0.69	0.70	1.91	0.88	Qcp	Ignim	
LK-030	7674518	527157	0.25	0.30	0.31	0.29	0.15	0.24	0.28	0.16	0.21	0.23	0.24	Qcp	pum Tf	
LQ-018	7710698	531895	3.39	4.31	5.44	3.95	4.09	4.15	3.79	3.60	4.17	3.75	4.06	Qs	Ss	
LS-002	7681782	481452	6.30	5.11	6.25	6.51	5.70	3.92	4.05	3.61	8.50	0.03	5.00	Qvc	Ss	
LS-012	7761633	457368	3.52	3.56	3.73	3.99	4.84	5.12	4.02	4.71	4.89	3.72	4.21	Qvc	Ss, Cgl	
LS-014	7775291	478108	0.25	0.17	0.21	0.18	0.22	0.24	0.18	0.30	0.18	0.29	0.22	Qvc	Cgl	
LS-054	7807457	455216	10.1	8.07	8.69	10.00	7.45	7.36	7.55	7.85	8.46	5.75	8.13	Qvc	Ss	
LS-094	7855171	438483	9.88	9.66	10.0	7.44	9.08	11.4	9.85	10.4	7.92	9.06	9.47	Qvc	Ss	
LS-124	7877797	428044	10.7	11.2	10.2	10.5	9.97	10.4	9.71	10.2	9.36	8.41	10.1	Qvc	Sand	
LQ-021	7755239	489087	7.02	6.91	6.77	8.43	5.64	6.54	6.25	4.74	6.00	7.14	6.54	Qvc	tfa Ss	
LQ-223	7915854	470342	1.22	1.01	0.46	1.64	1.18	1.05	1.39	1.25	1.11	1.10	1.14	Qvc	pum Tf	
LQ-225	7912935	472489	0.45	0.16	0.18	0.29	0.25	0.34	0.29	0.35	0.80	0.51	0.36	Qvc	sdy Tf	
LQ-227	7910960	473480	1.33	1.44	0.86	1.38	1.29	1.46	1.20	1.27	1.68	1.64	1.36	Qvc	pum Tf	
LQ-228	7909170	475398	3.53	3.73	4.31	3.78	3.52	3.12	3.79	3.35	3.77	3.18	3.61	Qvc	pum lap Tf	
LT-054	7798854	449450	3.37	3.46	2.55	0.86	1.02	0.86	1.08	0.78	0.95	1.18	1.61	Qvc	Sand	
LS-064	7823832	479340	24.1	24.4	17.0	10.4	16.3	17.2	18.9	18.3	21.9	22.8	19.1	Qv	Bs	
LS-065	7829799	483427	18.3	20.3	17.3	21.4	17.2	20.6	17.6	17.9	19.3	16.5	18.6	Qv	Bs	
LS-071	7839187	478448	12.6	13.5	14.6	12.5	12.6	13.9	15.9	13.4	13.0	13.8	13.6	Qv	Bs	
LS-080	7841387	508132	10.2	15.6	8.36	13.1	9.95	11.2	12.0	9.53	11.9	14.3	11.6	Qv	And-po	p
LS-090	7897910	464731	21.2	19.8	25.7	17.5	10.7	23.7	22.0	16.8	25.9	20.2	20.4	Qv	Bs	p
LS-137	7939985	448707	16.8	14.1	13.3	13.7	13.3	14.0	15.4	14.2	13.3	13.1	14.1	Qv	Bs	p
LS-140	7957677	482780	15.5	17.8	19.1	18.9	16.0	17.8	19.7	18.1	17.0	15.2	17.5	Qv	Da/Rhy	
LQ-141	7881200	469305	15.6	8.87	12.5	11.3	13.3	15.5	15.1	13.9	12.5	14.3	13.3	Qv	Bs	
LQ-142	7880342	466900	12.4	19.3	19.3	11.3	17.7	13.1	13.7	18.3	16.3	20.4	16.2	Qv	Bs	
LQ-143	7880487	465914	8.79	10.2	6.95	4.26	13.8	11.2	7.87	6.89	16.3	19.2	10.5	Qv	Bs	
LQ-144	7879270	464748	24.9	23.2	26.5	23.9	24.8	25.5	21.7	22.0	18.2	18.7	22.9	Qv	Bs	
LQ-146	7878104	462559	18.1	20.0	18.1	18.7	17.9	16.8	17.7	18.0	15.3	18.0	17.9	Qv	Bs	
LQ-147	7877548	461084	27.6	27.9	15.1	26.6	20.9	34.7	27.2	19.9	21.8	22.5	24.4	Qv	Bs	
LQ-148	7874566	459895	16.1	13.8	11.3	7.95	24.0	21.4	20.9	21.3	23.8	23.6	18.4	Qv	Bs	
LQ-149	7872942	460101	23.6	30.4	31.0	30.2	31.1	34.6	25.7	26.6	31.0	28.1	29.2	Qv	Bs	
LQ-150	7872446	461825	19.7	27	27.9	26.3	19.8	26.4	13.5	24.7	27.0	28.9	24.1	Qv	Bs	
LQ-151	7869930	460191	17.7	16.6	18.4	16.5	20.0	20.3	19.4	21.7	18.6	21.2	19.0	Qv	Bs	
LQ-152	7868293	458634	10.7	12.2	9.76	10.2	7.33	13.7	14.9	13.5	14.7	12.7	12.0	Qv	Bstic vol-bre	
LQ-153	7867280	458421	21.1	16.1	15.1	15.7	13.5	18.7	15.5	16.6	15.7	18.0	16.6	Qv	Bs	
LQ-154	7866282	458500	16.1	13.9	17.5	12.1	14.7	12.9	16.0	16.6	15.5	14.0	14.9	Qv	Bs	
LQ-201	7878335	425530	15.6	18.4	17.7	14.40	15.4	7.4	9.47	25.4	24.2	25.6	17.4	Qv	Bs	
LQ-202	7878324	427056	12.9	7.66	7.81	9.95	11.7	16.2	13.1	13.6	15.2	11.6	12.0	Qv	Bs	
LQ-209	7911128	447784	23.1	15.5	11.1	16.7	16.2	13.6	14.3	12.3	8.15	25.2	15.6	Qv	Bs	
LQ-210	7913167	450817	1.47	1.30	1.64	1.95	0.63	0.54	0.87	0.63	1.33	1.60	1.20	Qv	Rhy?	
LQ-211	7913885	450454	20.5	16.4	15.8	13.7	15.7	19.4	19.4	17.7	15.5	13.0	16.7	Qv	Bs	
LQ-215	7919551	465093	15.6	15.6	14.9	14.2	18.5	16.6	10.2	14.3	16.3	11.1	14.7	Qv	Da	
LQ-216	7919084	464181	14.8	17.6	14.9	15.3	17.9	8.27	14.5	17.7	11.9	7.84	14.1	Qv	Bs	
LQ-217	7918755	462990	12.1	9.93	9.28	7.70	8.04	8.83	8.87	10.4	10.5	10.8	9.65	Qv	And	
LQ-224	7915120	470833	10.9	13.9	13.6	15.4	14.3	13.3	12.4	17.1	15.8	13.3	14.0	Qv	Bs	
LQ-226	7912126	472507	18.0	18.8	16.3	15.3	19.3	15.7	17.1	15.1	13.8	19.6	16.9	Qv	Bs	
LQ-232	7944307	447029	9.62	10.2	8.95	8.31	9.54	12.8	10.3	8.16	10.1	9.66	9.76	Qv	Bs	
LQ-233	7942592	446886	5.96	8.00	6.02	5.86	4.79	7.59	7.85	9.06	9.36	6.17	7.07	Qv	Bs	
LQ-234	7937875	451397	0.41	0.43	0.26	0.28	0.36	0.37	0.38	0.39	0.60	0.47	0.40	Qv	Da	s
LQ-237	7935516	452138	1.44	0.99	1.03	1.04	1.19	0.87	0.71	0.60	0.73	1.09	0.97	Qv	lap Tf	
LQ-238	7935158	451759	10.4	10.8	12.5	12.0	11.8	7.00	10.8	13.2	9.38	10.9	10.9	Qv	Bs	
LQ-241	7935071	451954	9.67	12.5	13.4	11.90	13.0	13.0	5.03	13.0	13.3	12.9	11.8	Qv	And/Bs	
LQ-242	7935440	452667	14.5	15.7	15.7	10.50	16.2	10.5	10.2	14.3	12.2	15.0	13.5	Qv	Bs	
LQ-245	7911453	474606	11.6	8.56	11.8	10.4	8.10	5.88	11.1	9.01	7.72	5.58	8.98	Qv	Bs?	
LQ-246	7912187	476080	0.05	0.20	0.20	0.10	0.20	0.20	0.30	0.30	0.40	0.20	0.22	Qv	Vol-bre	a
LQ-247	7913169	477389	0.13	0.13	0.14	0.90	0.15	0.11	0.22	0.14	0.25	0.18	0.24	Qv	alt vol-bre	a
LQ-248	7912777	478359	0.01	0.11	0.05	0.16	0.03	0.01	0.01	0.02	0.03	0.03	0.05	Qv	alt rock	a
LQ-249	7990203	444053	0.06	0.09	0.07	0.09	0.09	0.12	0.07	0.05	0.10	0.07	0.08	Qv	Rhy	
LQ-250	7990961	447637	4.90	4.21	8.99	5.19	5.44	3.43	5.35	5.61	4.42	8.40	5.59	Qv	Da	
LQ-251	7991821	448534	6.36	9.30	6.37	5.58	7.81	3.09	8.58	4.24	6.74	7.45	6.55	Qv	Ash with tfa sand	
LQ-252	7992027	450412	6.77	7.83	6.61	6.14	6.38	6.30	6.84	6.05	7.16	7.36	6.74	Qv	Ash	
LQ-253	7992038	450754	11.9	9.71	9.38	10.3	13.8	9.28	12.1	12.8	12.0	12.0	11.3	Qv	Da	
LQ-256	7985718	467191	15.7	17.5	15.8	17.40	4.44	10.6	14.3	19.6	18.4	16.7	15.0	Qv	And	
LQ-259	7980188	484630	5.69	6.66	4.53	4.59	5.05	6.28	6.93	6.06	5.70	6.61	5.81	Qv	And	
LT-040	7804387	511717	13.5	9.48	13.3	14.6	13.9	16.4	7.73	8.27	10.9	10.8	11.9	Qv	And	f
LT-041	7804387	511717	0.29	0.27	0.59	0.25	0.43	0.25	0.78	0.20	0.23	0.21	0.35	Qv	Tf-bre	f
LT-042	7804676	509736	0.08	0.07	0.14	0.09	0.07	0.08	0.08	0.07	0.08	0.09	0.09	Qv	Po	f
LT-084	7823114	479111	13.5	9.95	11.8	14.0	10.5	8.06	7.78	12.5	6.22	7.05	10.1	Qv	Bs	
LT-101	7832562	501701	0.19	0.16	0.09	0.12	0.11	0.07	0.19	0.25	0.08	0.10	0.14	Qv	Tuff	a
LT-105	7832107	502076	0.08	0.08	0.18	0.16	0.08	0.15	0.05	0.15	0.13	0.13	0.12	Qv	da rock	o
LT-107	7831898	502577	2.50	2.79	6.75	4.77	5.94	2.73	5.26	2.28	9.39	3.32	4.57	Qv	Da	a
LT-108	7831779	502758	17.6	16.8	14.2	14.7	23.7	15.3	17.2	25.0	19.2	17.2	18.1	Qv	Bs	
LT-110	7833030	500918	0.03	0.03	0.05	0.10	0.06	0.04	0.13	0.11	0.05	0.05	0.07	Qv	Tuff?	a
LT-117	7826209	477462	11.7	12.3	16.3	11.1	10.9	9.71	9.38	9.75	9.25	9.81	11.0	Qv	And	
LT-118	7823085	474601	4.80	3.59	4.19	3.78	3.72	4.26	4.99	3.66	3.78	4.18	4.10	Qv	Ignim	
LT-121	7880447	472406	12.2	14.4	9.76	6.45	11.6	12.0	10.3	8.33	7.74	12.1	10.5	Qv	And	
LT-122	7877150	474950	9.73	13.3	10.6	17.4	12.6	9.48	11.8	10.9	12.6	13.2	12.2	Qv	And	
LT-123	7873958	477210	0.05	0.04	0.04	0.08	0.06	0.02	0.03	0.01	0.04	0.02	0.04	Qv	sili rock	a
LT-133	7868576	487294	9.34	8.56	11.5	9.74	2.62	12.3	9.94	9.27	2.71	6.88	8.29	Qv	And	
LT-135	7872504	496755	16.1	13.9	12.7	16.0	15.9	12.9	19.9	9.43	15.3	13.7	14.6	Qv	Ignim	
LT-136	7872474	490106	4.01	2.15	4.40	2.58	6.15	4.02	2.88	2.18	2.16	2.51	3.30	Qv	Ignim	
LT-138	7868251	458406	20.0	12.2	19.5	16.3	9.47	11.0	14.2	16.8	16.6	18.6	15.5	Qv	Bs	
LT-139	7867486	457459	10.6	5.04	4.74	4.61	9.29	11.8	10.2	10.1	13.5	15.6	9.55	Qv	Bs	

AP-56 Results of in situ Magnetic Susceptibility Measurement (2/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LT-140	7866691	454314	18.1	19.1	22.2	17.9	23.4	17.5	24.1	21.6	24.9	20.8	21.0	Qv	Bs	
LT-141	7866258	450990	14.6	13.0	17.0	20.1	20.8	17.8	17.1	21.5	16.2	15.2	17.3	Qv	Bs	
LT-142	7864298	448289	7.43	14.5	15.0	13.0	10.4	12.3	15.8	20.6	14.1	18.4	14.2	Qv	Bs	
LT-143	7862978	444930	12.8	12.3	14.0	14.9	7.97	15.2	17.2	7.18	15.6	8.06	12.5	Qv	Bs	
LT-144	7862599	443966	17.2	17.3	15.4	15.8	16.5	17.6	12.9	13.3	13.0	14.9	15.4	Qv	Bs	
LT-150	7868587	453233	15.8	16.1	14.9	13.8	15.4	19.4	15.7	21.7	13.9	21.1	16.8	Qv	Bs	
LT-151	7868383	454564	5.74	7.25	5.60	6.00	4.30	5.46	5.95	3.20	6.37	7.31	5.72	Qv	Ignim	
LT-152	7887966	468803	9.52	8.46	8.55	8.95	9.94	8.31	9.95	7.97	8.64	9.21	8.95	Qv	Bs	
LT-153	7888125	467352	4.17	4.71	5.51	3.17	5.86	5.75	3.77	5.71	4.79	2.06	4.55	Qv	Bs	
LT-154	7889845	467650	12.6	8.38	11.7	11.1	10.9	12.4	14.1	14.7	14.5	11.1	12.1	Qv	And	
LT-155	7890030	467820	14.4	13.2	14.0	13.0	13.4	14.3	11.9	11.1	9.19	10.8	12.5	Qv	Bs	
LT-156	7890436	468259	8.52	9.02	11.1	10.6	11.3	12.4	9.03	11.5	9.59	9.24	10.2	Qv	Bs	
LT-157	7889862	437976	0.08	0.10	0.06	0.11	0.04	0.04	0.04	0.08	0.09	0.06	0.07	Qv	pum Tf	
LT-158	7890409	438524	8.38	7.99	7.86	8.58	4.35	5.77	6.51	5.92	6.59	8.04	7.00	Qv	Ignim	
LT-159	7878473	427988	10.8	11.6	13.6	14.9	11.0	9.20	8.13	13.3	19.5	20.9	13.3	Qv	And	
LT-160	7878962	428141	15.6	14.5	14.3	14.6	15.1	16.2	16.6	12.9	17.2	12.3	14.9	Qv	And	
LT-170	7929865	459191	0.48	1.45	1.64	0.86	9.30	4.50	2.01	4.01	2.45	0.31	2.70	Qv	Ignim	
LT-171	7931232	458543	0.08	0.05	0.09	0.09	0.12	0.12	0.28	0.09	0.14	0.07	0.11	Qv	Tuff	a
LT-173	7933410	456471	0.07	0.04	0.04	0.04	0.11	0.06	0.08	0.16	0.14	0.39	0.11	Qv	And bre	a
LT-174	7935860	454661	9.14	12.3	6.45	6.76	15.1	9.45	5.22	7.81	9.90	9.28	9.14	Qv	And	
LT-221	7923749	487597	1.41	2.03	1.19	1.71	1.58	2.25	2.55	0.84	1.42	1.41	1.64	Qv	Ignim	
LT-222	7925779	481241	1.22	2.90	1.10	0.89	1.32	0.91	0.99	1.85	1.91	2.34	1.54	Qv	Ignim	
LT-223	7927155	475901	16.1	21.6	15.4	6.44	16.2	11.4	9.09	9.06	11.2	20.8	13.7	Qv	And	
LT-224	7928133	472468	6.31	6.53	9.07	10.7	9.74	11.7	11.7	15.7	19.0	9.22	11.0	Qv	Ignim	
LT-225	7927531	474384	8.72	10.4	13.2	4.35	14.2	14.0	11.1	15.2	13.7	7.11	11.2	Qv	And	
LV-017	7804281	466828	49.6	47.2	62.0	5.41	51.7	48.1	47.2	53.4	52.0	50.8	46.7	Qv	Bs-And	p
LV-018	7804275	466880	60.6	56.8	33.9	48.3	54.5	35.6	44.6	15.2	2.18	2.43	35.4	Qv	Bs-And	p
LK-005	7692268	542162	9.23	7.47	8.11	7.91	9.43	8.44	7.83	8.70	9.15	8.87	8.51	Qv	Bs	
LK-006	7688279	543584	16.8	14.7	16.6	15.2	17.4	4.75	9.01	19.8	15.7	21.0	15.1	Qv	And	
LK-007	7686186	543878	4.20	11.2	5.67	9.08	10.3	9.55	8.99	8.70	8.04	11.4	8.71	Qv	And	
LK-008	7685053	544497	7.18	8.27	2.68	1.33	8.13	6.87	2.87	6.78	6.85	7.58	5.85	Qv	And	
LK-009	7683769	545393	19.1	18.1	18.4	17.8	18.7	16.1	18.9	18.9	20.2	19.9	18.6	Qv	And-Bs	
LK-011	7697674	539552	10.7	9.78	9.18	11.6	10.5	10.1	8.76	9.89	10.3	8.83	9.96	Qv	And?	
LK-128	7831381	483286	18.6	18.5	19.0	11.9	17.2	19.5	17.4	16.2	19.0	18.6	17.6	Qv	Bs	
LK-133	7831609	484243	16.5	19.7	13.9	17.7	21.7	19.9	16.3	16.1	19.9	13.0	17.5	Qv	Bs	
LK-159	7887555	487231	0.35	0.27	0.27	0.18	0.34	0.27	0.27	0.28	0.3	0.31	0.28	Qv	alt vol r	f
LK-160	7886080	484236	5.42	4.96	11.4	9.95	11.2	11.5	5.36	12.3	9.65	12.7	9.44	Qv	And	o
LK-161	7886623	480705	7.35	7.39	10.0	14.9	11.2	9.46	9.98	10.7	12.5	8.02	10.2	Qv	And	
LK-162	7886149	476636	0.02	0.01	0.04	0.02	0.05	0.04	0.02	0.02	0.02	0.00	0.02	Qv	alt rock	f
LK-163	7886661	474722	7.13	4.74	5.64	8.26	6.84	7.81	9.55	6.68	7.12	6.55	7.03	Qv	Bs-And	
LK-164	7885479	472876	3.42	2.52	3.44	2.74	3.19	2.15	4.14	4.73	4.62	1.44	3.24	Qv	Vol-bre	f
LK-165	7873017	478766	0.03	0.04	0.01	0.03	0.03	0.01	0.03	0.03	0.05	0.01	0.03	Qv	alt rock	f
LK-166	7873141	478702	0.02	0.03	0.03	0.03	0.07	0.06	0.06	0.04	0.03	0.04	0.04	Qv	silicified rock	s
LK-167	7877477	475069	10.3	11.6	10.5	8.55	10.1	11.2	6.21	11.5	9.34	10.5	9.98	Qv	And	
LK-212	7933615	456586	1.37	5.87	1.31	0.64	2.31	1.41	1.48	5.27	2.17	1.25	2.31	Qv	And	o
LK-216	7932112	456687	0.93	1.06	1.19	0.72	1.28	0.87	0.54	0.69	0.31	1.10	0.87	Qv	And	
LK-229	7912096	467309	29.3	19.9	16.1	24.3	22.2	23.9	20.7	27.8	20.8	20.8	22.6	Qv	Bs	
LK-232	7913059	469309	13.5	14.4	16.0	12.5	14.6	15.1	14.8	11.4	14.7	14.1	14.1	Qv	Bs	
LK-233	7913650	470251	13.5	15.6	19.9	17.6	10.8	18.3	17.2	11.2	10.6	15.5	15.0	Qv	Bs-And	f
LK-234	7985151	456854	12.2	8.08	13.3	11.6	14.0	12.7	13.4	11.2	11.7	11.7	12.0	Qv	Bs	
LK-236	7980371	459924	13.3	17.1	18.0	18.5	17.4	19.6	17.1	20.0	15.7	13.4	17.0	Qv	Bs	
LK-240	7985195	465058	21.5	22.1	18.6	13.1	11.3	12.2	9.09	12.4	13.7	17.3	15.1	Qv	And	
LK-241	7983649	465397	12.6	18.0	11.9	19.0	20.5	17.2	16.6	16.7	15.6	13.7	16.2	Qv	And	
LK-261	7996249	442799	10.8	7.57	3.04	0.92	2.17	1.27	3.05	1.77	2.86	3.6	3.71	Qv	And	f
LK-262	8000718	443410	12.4	12.0	11.8	12.6	10.4	11.7	7.98	11.3	10.6	12.5	11.3	Qv	And	
LK-113	7830584	482677	21.2	7.24	17.3	12.0	18.0	18.1	16.2	17.3	18.3	14.5	16.0	Qv?	Bs	
LK-118	7832260	502852	0.04	0.04	0.05	0.04	0.03	0.05	0.03	0.03	0.03	0.03	0.04	Qv?	alt vol r	a
LK-263	8005143	441680	0.00	0.04	0.02	0.02	0.00	0.00	0.00	0.02	0.00	0.02	0.01	Qv?	silicified rock	a
LS-079	7841518	507786	0.11	0.11	0.11	0.03	0.14	0.12	0.08	0.09	0.10	0.13	0.10	Qvr	Rhy Tf	p
LS-082	7842439	510858	1.69	1.10	1.78	2.52	1.85	2.55	2.62	2.29	1.76	1.89	2.01	Qvr	Weld Tf	p
LS-083	7844482	509647	0.04	0.08	0.13	0.10	0.12	0.08	0.10	0.12	0.08	0.10	0.10	Qvr	Rhy Tf	a
LS-084	7841442	509073	0.06	0.05	0.05	0.04	0.03	0.06	0.04	0.04	0.06	0.04	0.05	Qvr	Rhy Tf	f
LS-095	7858371	442940	0.33	0.24	0.23	0.28	0.21	0.26	0.32	0.25	0.30	0.34	0.28	Qvr	rhy Tf	
LS-121	7879080	428782	8.34	10.6	15.0	12.1	8.00	8.89	13.6	13.5	12.5	14.7	11.7	Qvr	Pum Tf	
LS-122	7880062	429896	5.60	7.54	7.37	6.55	6.80	7.34	6.99	7.67	6.66	8.16	7.07	Qvr	weld Tf	
LS-123	7881881	438081	12.1	13.7	13.8	9.82	9.33	12.2	11.5	11.1	13.6	10.4	11.8	Qvr	weld Tf	
LS-134	7940556	447822	2.47	2.58	2.54	2.85	3.53	3.67	2.85	3.57	2.80	2.76	2.96	Qvr	Sand	
LS-135	7940390	447731	1.12	1.98	1.39	1.17	1.02	1.31	4.33	2.91	1.61	3.19	2.00	Qvr	Cgl	
LS-136	7940405	448166	1.66	1.57	1.61	1.60	1.72	1.74	1.56	1.67	1.74	1.81	1.67	Qvr	Pum Tf	
LS-139	7962594	475788	1.53	1.63	1.38	1.64	1.37	1.40	1.65	1.68	1.48	1.47	1.52	Qvr	rhy ash	
LS-142	7973970	484629	6.12	5.47	6.23	6.04	5.97	5.27	5.77	5.88	6.29	6.66	5.97	Qvr	weld Tf	
LQ-086	7831993	496462	9.36	11.6	9.66	10.7	11.6	8.20	11.1	9.62	10.5	7.92	10.0	Qvr	lap Tf	
LQ-087	7831798	499951	0.06	0.07	0.04	0.04	0.04	0.01	0.03	0.10	0.04	0.06	0.05	Qvr	Tf	
LQ-102	7838360	506868	0.12	0.10	0.14	0.19	0.11	0.09	0.11	0.13	0.11	0.12	0.12	Qvr	Tf	a
LQ-103	7839120	506774	1.17	1.67	0.80	0.41	1.15	0.27	2.92	4.19	2.49	5.94	2.10	Qvr	Da	
LQ-104	7839433	506929	0.03	0.04	0.02	0.03	0.54	0.06	0.06	0.06	0.05	0.04	0.09	Qvr	lap Tf	f
LQ-105	7839489	507029	0.20	0.19	0.23	0.15	0.01	0.16	0.06	0.05	0.06	0.04	0.12	Qvr	Qz-po?	s
LQ-106	7839818	507178	0.04	0.05	0.02	0.04	0.06	0.04	0.05	0.04	0.05	0.08	0.05	Qvr	Qz-po?	s
LQ-108	7839900	507052	0.57	0.68	0.67	0.81	0.44	0.26	0.29	0.22	0.20	0.16	0.43	Qvr	Rhy?	s
LQ-109	7841005	507610	0.02	0.01	0.01	0.03	0.04	0.03	0.01	0.01	0.08	0.21	0.05	Qvr	alt rock	s
LQ-110	7841509	507730	0.13	0.23	0.25	0.23	0.35	0.23	0.19	0.17	0.19	0.32	0.23	Qvr	Tf	p
LQ-111	7842066	507624	0.06	0.01	0.02	0.01	0.07	0.05	0.05	0.07	0.04	0.02	0.04	Qvr	Rhy?	
LQ-112	7842486	507325	0.08	0.06	0.32	0.22	0.29	0.19	0.23	0.07	0.28	0.30	0.20	Qvr	lap Tf	p
LQ-113	7842753	507035	0.07	0.03	0.03	0.33	0.43	0.62	1.01	0.94	0.84	0.40	0.47	Qvr	lap Tf	p
LQ-114	7842703	506460	0.51	0.57	0.76	0.11	0.05	0.07	0.06	0.08	0.10	0.07	0.24	Qvr	lap Tf	s

AP-56 Results of in situ Magnetic Susceptibility Measurement (3/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LQ-115	7842931	505615	4.82	7.79	8.22	10.4	8.80	9.70	9.61	9.22	8.79	6.92	8.43	Qvr	And	
LQ-116	7841790	506611	0.79	0.89	0.97	0.80	1.79	0.35	1.22	1.29	1.56	0.26	0.99	Qvr	lap Tf	s
LQ-197	7879299	428060	7.38	9.30	7.97	2.35	3.69	7.82	7.99	7.22	8.66	7.35	6.97	Qvr	tfa Ss, Cgl	
LQ-198	7878715	429059	0.05	0.10	0.10	0.14	0.08	0.10	0.07	0.08	0.05	0.05	0.08	Qvr	pum Tf	
LQ-199	7878453	426244	1.47	1.55	1.68	1.43	0.94	1.59	1.38	1.37	1.43	1.30	1.41	Qvr	pum Tf	
LQ-200	7878393	425651	1.85	2.43	1.75	2.28	2.26	1.66	2.08	2.04	2.08	2.32	2.08	Qvr	pum Tf	
LQ-231	7941692	445239	0.93	0.97	1.03	0.99	1.11	0.94	0.91	1.20	0.95	0.98	1.00	Qvr	pum Tf	
LQ-244	7936778	453632	1.91	2.28	1.54	1.57	2.01	1.31	1.97	1.61	1.40	1.67	1.73	Qvr	pum Tf	
LQ-255	7991926	453355	1.83	1.52	2.06	2.07	1.60	1.42	1.62	1.46	1.63	2.29	1.75	Qvr	dacitic lap Tf	
LQ-257	7986203	468332	2.62	2.44	2.59	1.29	2.01	3.31	2.72	2.04	1.97	0.64	2.16	Qvr	da Ignim	
LQ-258	7979803	485484	6.97	8.21	4.19	5.24	6.75	6.51	4.92	6.35	6.84	7.5	6.35	Qvr	da Ignim	
LQ-260	7981472	482210	1.05	3.93	3.45	4.17	2.99	2.93	3.02	3.67	3.21	3.29	3.17	Qvr	Ignim	
LQ-261	7969498	466120	0.65	0.66	0.50	0.77	0.51	0.47	0.54	0.49	0.64	0.51	0.57	Qvr	Ignim	
LQ-267	7971003	470731	10.1	14.6	12.3	10.7	13.9	13.4	12.1	10.3	10.3	12.7	12.0	Qvr	da lap Tf	
LQ-268	7976894	463254	3.24	3.03	3.11	2.50	2.97	3.10	2.77	2.85	2.98	2.76	2.93	Qvr	da Tf	
LQ-269	7984374	465007	3.21	2.96	3.15	2.47	2.22	2.60	2.83	3.28	2.48	2.89	2.81	Qvr	pum Tf	
LQ-270	7986809	471594	2.83	3.27	3.23	2.29	2.65	3.38	2.34	2.17	2.39	3.14	2.77	Qvr	Ignim	
LQ-271	7993695	469159	3.87	4.03	3.54	3.61	4.08	4.23	3.24	4.06	4.25	3.3	3.82	Qvr	Ignim	
LQ-272	7996415	469193	1.79	1.50	1.90	1.37	2.39	1.69	1.48	1.61	1.47	1.78	1.70	Qvr	pum Tf	
LQ-273	7999557	471216	0.33	0.37	0.46	0.38	1.27	0.39	1.92	0.72	0.57	0.97	0.74	Qvr	pum Tf	
LQ-274	8000496	472036	4.12	4.19	5.12	5.51	4.77	5.14	4.83	3.91	4.71	3.88	4.62	Qvr	Rhy	
LQ-275	7996450	465906	0.97	0.30	0.25	0.31	0.24	0.30	0.33	0.31	0.36	0.44	0.38	Qvr	Ignim	
LQ-276	7998539	463787	0.23	1.20	0.24	0.20	0.19	0.21	0.31	0.61	0.46	0.29	0.39	Qvr	pum Tf	
LQ-277	8003189	462411	0.01	0.09	0.08	0.07	0.1	0.12	0.24	0.13	0.15	0.08	0.11	Qvr	lap Tf	
LT-126	7873162	478320	0.02	0.07	0.02	0.01	0.05	0.03	0.01	0.02	0.04	0.02	0.03	Qvr	sili rock	s
LT-131	7870107	481339	0.39	0.50	0.40	0.34	0.42	0.39	0.24	0.46	0.67	0.24	0.41	Qvr	Tuff	a
LT-132	7867899	485146	0.24	0.25	0.32	0.34	0.27	0.25	0.31	0.36	0.31	0.37	0.30	Qvr	Tuff	
LT-134	7872213	504137	0.33	0.33	0.30	0.26	0.27	0.28	0.30	0.29	0.29	0.31	0.30	Qvr	Ignim	
LT-201	7973281	445878	0.16	0.20	0.20	0.18	0.19	0.17	0.22	0.26	0.10	0.18	0.19	Qvr	fine Tuff	
LT-202	7973544	449442	1.26	0.28	1.03	1.21	1.20	0.34	1.15	0.91	0.86	0.30	0.85	Qvr	Ignim	
LT-203	7974880	451985	19.9	13.7	12.6	19.5	15.9	18.1	14.6	14.6	15.6	15.2	16.0	Qvr	Ignim	
LT-204	7974656	454915	19.2	14.0	23.7	23.6	20.1	12.0	20.9	23.6	18.7	18.1	19.4	Qvr	Ignim	
LT-205	7975013	456133	13.1	12.9	11.3	13.4	13.1	10.2	11.8	13.0	13.2	8.00	12.0	Qvr	Ignim	
LT-206	7968083	463264	1.21	1.22	1.28	1.03	1.39	1.50	1.27	1.08	0.99	1.02	1.20	Qvr	Ignim	
LK-012	7700277	538607	2.77	2.25	3.16	2.09	2.93	3.24	1.87	1.95	2.04	2.11	2.44	Qvr	pum Tf	
LK-194	7888419	436418	2.35	2.58	1.97	2.31	3.88	2.92	2.15	4.44	3.80	4.16	3.06	Qvr	Ignim	
LK-195	7887358	435219	4.34	4.48	4.86	5.27	4.66	3.76	5.51	3.83	5.13	4.86	4.67	Qvr	Ignim	
LK-235	7981615	460044	3.44	2.86	3.59	2.14	2.16	3.09	2.74	2.80	2.49	3.49	2.88	Qvr	Ignim	
LK-237	7970283	461555	0.76	0.86	0.84	0.78	1.04	0.97	0.79	0.70	1.20	1.04	0.90	Qvr	pum Tf	
LK-238	7978841	463070	2.30	2.27	2.64	3.30	2.72	2.62	1.89	3.48	2.62	3.04	2.69	Qvr	pum Tf	
LK-239	7976699	463286	3.02	1.97	3.17	1.97	2.54	2.81	2.00	1.71	2.05	2.99	2.42	Qvr	pum Tf	
LK-242	7984416	464976	2.10	2.10	2.63	2.38	2.60	1.56	1.59	2.61	2.55	1.27	2.14	Qvr	pum Tf	
LK-252	7970659	434351	0.90	0.84	0.38	0.79	0.81	0.67	0.83	0.77	0.77	0.76	0.75	Qvr	pum Tf	
LK-253-1	7966926	432511	0.63	0.52	0.66	0.75	1.38	0.67	0.57	0.76	0.79	0.63	0.74	Qvr	pum Tf	
LK-253-2	7966926	432511	0.17	0.22	0.17	0.26	0.33	0.30	0.44	0.19	0.14	0.22	0.24	Qvr	Ignim	
LK-254	7963648	427837	0.63	0.62	0.60	0.69	0.57	0.62	0.62	0.48	0.65	0.59	0.61	Qvr	pum Tf	
LK-255-1	7963329	425907	2.84	3.13	2.87	2.94	1.28	2.09	1.74	3.60	3.80	3.96	2.83	Qvr	Ignim	
LK-255-2	7963329	425907	0.93	0.86	0.70	0.86	0.65	0.69	0.74	0.79	0.77	1.18	0.82	Qvr	pum Tf	
LK-256	7961559	422037	0.40	0.29	0.37	0.45	0.31	0.25	0.40	0.32	0.34	0.44	0.36	Qvr	pum Tf	
LK-264	8009002	434065	1.71	1.84	1.96	1.00	1.59	1.78	1.71	1.47	1.58	1.75	1.64	Qvr	pum Tf	
LK-265	8011595	432598	2.23	2.29	2.26	2.36	2.05	2.27	2.10	1.94	2.18	1.97	2.17	Qvr	Tuff	
LK-270	8015143	430576	0.19	0.18	0.24	0.16	0.16	0.12	0.15	0.10	0.16	0.10	0.16	Qvr	pum Tf	
LK-290	7968246	431106	0.95	0.92	0.82	1.09	1.04	1.05	0.90	0.82	0.66	0.89	0.91	Qvr	pum Tf	
LK-210	7934555	455806	1.32	1.70	1.41	1.82	1.71	1.49	1.34	1.41	1.43	1.61	1.52	Qvr?	pum Tf	a
LK-211	7934564	455908	0.69	0.61	0.69	0.58	0.34	0.80	0.64	0.24	0.64	0.63	0.59	Qvr?	Tuff	
LS-008	7686460	490280	0.51	0.52	0.54	0.75	0.74	0.86	0.65	0.55	0.56	0.55	0.62	Tig	Tf	
LS-013	7770322	466565	3.90	4.10	4.01	3.69	3.84	3.74	3.25	4.02	3.74	3.62	3.79	Tig	Weld Tf	
LS-059	7811053	470445	3.42	4.29	4.15	3.83	3.26	4.20	3.43	3.45	3.83	3.57	3.74	Tig	Rhy Tf	
LS-060	7811040	470417	0.24	0.24	0.23	0.26	0.24	0.25	0.20	0.19	0.20	0.23	0.23	Tig	Pum Tf	
LS-061	7812012	470013	0.09	0.11	0.09	0.11	0.13	0.05	0.07	0.22	0.15	0.12	0.11	Tig	Pum Tf	
LS-076	7839798	479411	2.51	2.72	2.35	2.86	3.00	2.75	2.69	2.74	2.66	2.10	2.64	Tig	Pum Tf	
LS-077	7839251	479817	6.93	5.81	5.56	5.53	4.61	3.03	3.79	4.44	4.42	2.99	4.71	Tig	Weld Tf	
LS-078	7839281	480069	1.96	1.98	2.01	1.86	2.36	2.21	1.98	1.67	1.98	1.76	1.98	Tig	Pum Tf	
LS-087	7828624	475801	0.10	0.13	0.13	0.11	0.13	0.12	0.13	0.13	0.14	0.12	0.12	Tig	Da?-po	s
LS-089	7815055	457948	1.06	1.25	1.06	1.04	0.86	1.04	0.96	1.17	1.14	1.18	1.08	Tig	Tf	
LS-091	7895842	466025	2.97	3.36	4.49	3.84	3.42	3.48	4.03	3.12	2.72	1.93	3.34	Tig	rhy Tf	
LS-092	7891596	467493	6.52	5.01	3.94	4.41	5.55	5.6	5.65	4.82	5.30	4.72	5.15	Tig	weld Tf	
LS-093	7887307	470985	0.26	0.28	0.38	0.25	0.26	0.25	0.35	0.36	0.24	0.24	0.29	Tig	tfa Ss?	a
LS-125	7922636	425619	0.45	0.40	0.43	0.54	0.57	0.52	0.27	0.44	0.48	0.41	0.45	Tig	weld Tf	
LS-126	7925562	426572	0.22	0.24	0.27	0.29	0.35	0.33	0.32	0.44	0.20	0.34	0.30	Tig	weld Tf	
LS-127	7931148	431690	1.52	1.64	1.54	1.18	1.78	1.80	1.82	1.43	1.61	1.57	1.59	Tig	weld Tf	
LS-128	7931118	432539	5.94	7.15	5.50	4.43	4.53	5.50	4.76	5.88	5.75	5.45	5.49	Tig	weld Tf	
LS-129	7931631	433512	1.85	1.76	1.82	1.50	1.33	1.87	1.64	2.14	1.87	1.71	1.75	Tig	weld Tf	
LS-130	7936917	442512	2.27	2.57	2.37	2.34	1.83	2.20	2.00	2.39	2.10	2.09	2.22	Tig	weld Tf	
LS-131	7927350	439925	1.48	1.70	1.59	1.56	1.50	1.49	1.27	1.48	1.44	1.04	1.46	Tig	weld Tf	
LS-133	7918323	433010	1.86	1.21	1.00	1.85	1.83	2.15	1.96	1.86	1.79	1.59	1.71	Tig	weld Tf	
LQ-001	7734754	469021	3.34	3.28	4.20	3.08	2.91	5.47	3.41	5.68	5.31	5.48	4.22	Tig	lap Tf	
LQ-002	7733826	475831	0.37	0.38	0.41	0.47	0.38	0.44	0.50	0.39	0.35	0.39	0.41	Tig	Ignim	
LQ-003	7736662	478161	0.29	0.36	0.35	0.33	0.38	0.40	0.36	0.36	0.33	0.37	0.35	Tig	lap Tf	
LQ-004	7739549	481569	2.67	2.75	2.88	2.87	2.85	2.85	2.64	2.99	2.82	2.79	2.81	Tig	sdy Tf	
LQ-005	7742158	485466	4.05	3.53	3.85	3.82	3.69	3.96	4.38	4.60	3.91	3.98	3.98	Tig	tfa Ss	
LQ-006	7742643	486343	0.27	0.29	0.27	0.27	0.18	0.21	0.24	0.29	0.24	0.26	0.25	Tig	Ignim	
LQ-007	7746230	492320	1.03	1.08	1.12	1.19	1.08	1.12	1.13	1.09	1.10	1.12	1.11	Tig	Ignim	
LQ-009	7737113	520527	0.23	0.3	0.26	0.27	0.32	0.44	0.28	0.33	0.36	0.37	0.32	Tig	Ignim	
LQ-010	7730978	521285	0.24	0.18	0.32	0.23	0.20	0.20	0.18	0.23	0.21	0.23	0.22	Tig	Ignim	

AP-56 Results of in situ Magnetic Susceptibility Measurement (4/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LQ-011	7745906	508728	0.26	0.28	0.26	0.28	0.20	0.25	0.33	0.28	0.28	0.24	0.27	Tig	Ignim	
LQ-012	7746804	515712	0.28	0.26	0.27	0.42	0.35	0.29	0.25	0.28	0.26	0.36	0.30	Tig	Ignim	
LQ-013	7743432	515991	0.36	0.28	0.27	0.66	0.36	0.92	0.65	0.42	0.53	0.43	0.49	Tig	lap Tf	
LQ-014	7739104	518511	0.48	0.35	0.40	0.25	0.36	0.42	0.33	0.38	0.35	0.47	0.38	Tig	lap Tf	
LQ-015	7736333	517320	3.37	3.62	3.66	3.15	3.57	3.52	3.54	3.22	3.45	2.99	3.41	Tig	Ignim	
LQ-016	7718320	529320	0.61	0.56	0.55	0.71	0.58	0.70	0.65	0.56	0.70	0.57	0.62	Tig	Ignim	
LQ-017	7713700	530429	0.65	0.55	0.57	0.48	0.55	0.48	0.50	0.50	0.55	0.52	0.54	Tig	Ignim	
LQ-019	7754189	496652	0.28	0.27	0.34	0.20	0.34	0.24	0.32	0.31	0.56	0.26	0.31	Tig	Ignim	
LQ-020	7754275	495583	0.24	0.30	0.14	0.33	0.52	0.36	0.25	0.21	0.44	0.33	0.31	Tig	Tf	
LQ-039	7779642	462242	2.96	3.13	2.57	2.69	2.87	2.10	2.71	2.09	1.93	2.27	2.53	Tig	Ignim	
LQ-049	7761980	459265	4.54	4.09	4.20	3.15	2.77	4.09	3.16	4.62	2.91	2.80	3.63	Tig	Ignim	
LQ-050	7762823	459735	0.99	1.47	1.53	2.18	1.06	0.91	1.11	1.57	1.22	1.53	1.36	Tig	Tf	
LQ-058	7780929	473481	0.23	0.32	0.38	0.38	0.38	0.35	0.49	0.56	0.21	0.47	0.38	Tig	Ignim	
LQ-132	7831394	453311	0.79	0.88	1.49	1.60	0.66	0.58	0.71	2.89	0.58	2.12	1.23	Tig	sdy Tf, pum Tf	
LQ-133	7830941	454057	1.19	0.95	1.27	1.29	0.73	0.54	1.19	1.06	1.15	1.12	1.05	Tig	pum Tf	
LQ-134	7830921	454596	0.57	0.69	0.79	0.82	1.18	1.27	1.61	1.29	0.88	0.83	0.99	Tig	pum Tf	
LQ-135	7830913	455751	1.99	1.90	2.19	2.04	1.90	2.50	2.61	2.41	2.57	2.13	2.22	Tig	pum Tf	
LQ-136	7831158	456470	1.05	0.39	1.51	0.57	0.71	0.68	0.79	0.56	0.50	0.53	0.73	Tig	pum Tf	
LQ-137	7831112	457320	0.50	0.57	0.47	0.57	0.45	0.38	0.53	0.54	0.42	0.52	0.50	Tig	pum Tf	
LQ-138	7831159	458277	2.47	2.61	2.14	1.69	3.14	2.64	2.62	2.78	2.85	2.90	2.58	Tig	pum Tf	
LQ-139	7830984	459163	1.32	1.66	1.62	1.77	1.33	1.74	1.93	1.65	1.48	1.77	1.63	Tig	pum Tf	
LQ-140	7831047	459954	1.23	0.90	0.93	1.10	1.06	1.12	0.90	1.06	0.99	0.99	1.03	Tig	pum Tf	
LQ-203	7909527	435125	0.56	0.80	0.77	0.50	0.70	0.78	0.60	0.80	0.48	0.58	0.66	Tig	Ignim	
LQ-204	7909881	437299	0.67	0.64	0.67	0.67	0.66	0.33	0.54	0.39	0.53	0.18	0.53	Tig	lap Tf	
LQ-205	7909848	440254	0.32	0.13	0.15	0.19	0.27	0.42	0.22	0.33	0.69	0.17	0.29	Tig	pum Tf	
LQ-206	7910068	441806	0.11	0.12	0.12	0.10	0.13	1.15	0.09	0.15	0.15	0.10	0.22	Tig	Ignim	
LQ-207	7910308	446285	0.11	0.10	0.09	0.09	0.10	0.09	0.19	0.12	0.14	0.12	0.12	Tig	Ignim	
LQ-208	7910996	447632	0.05	0.02	0.04	0.04	0.07	0.04	0.06	0.01	0.11	0.08	0.05	Tig	pum Tf	
LQ-212	7915724	452243	12.6	10.2	8.49	7.96	6.51	6.59	9.39	4.21	14.1	6.23	8.63	Tig	Ignim	
LQ-213	7916567	453418	1.92	1.75	1.87	1.68	1.92	1.84	1.55	1.77	1.79	1.94	1.80	Tig	pum Tf	
LQ-214	7921821	464816	13.6	15.7	17.9	15.0	14.1	12.2	14.3	13.8	10.2	13.3	14.0	Tig	Tf	
LQ-218	7921359	465612	6.77	4.33	5.81	6.65	6.12	5.37	6.70	6.10	6.80	4.98	5.96	Tig	Ignim	
LQ-219	7919758	467159	4.41	8.26	6.36	6.68	7.14	6.56	6.53	7.64	7.23	5.03	6.58	Tig	Ignim	
LQ-220	7919191	467692	8.67	7.03	8.59	8.33	6.98	7.99	6.24	8.68	7.45	7.07	7.70	Tig	pum Tf	
LQ-221	7917785	468871	13.2	11.9	16.9	13.7	14.0	11.4	14.1	9.04	11.0	14.4	13.0	Tig	Ignim	
LQ-229	7936896	442717	0.34	0.36	0.32	0.36	0.35	0.37	0.40	0.22	0.28	0.21	0.32	Tig	Ignim	
LQ-230	7938119	443161	0.73	0.96	1.09	0.90	1.20	0.55	1.05	0.83	1.40	1.17	0.99	Tig	Ignim	
LQ-287	7966486	432796	2.11	2.04	1.48	1.68	1.96	2.27	2.04	1.45	1.61	1.97	1.86	Tig	Ignim	
LQ-288	7968254	432580	1.48	0.83	2.25	2.01	1.31	2.26	2.14	2.03	2.01	1.82	1.81	Tig	Ignim	
LQ-289	7968933	434610	1.21	1.45	1.65	1.59	1.43	1.67	1.41	1.33	1.25	1.65	1.46	Tig	pum Tf	
LQ-291	7959365	407647	0.10	0.14	0.08	0.11	0.06	0.16	0.07	0.09	0.07	0.09	0.10	Tig	Ignim	
LQ-292	7957322	407035	0.39	0.27	0.29	0.33	0.46	0.64	0.32	0.27	0.32	0.35	0.36	Tig	Ignim	
LQ-293	7956404	404315	0.70	0.53	0.61	0.75	1.39	0.49	0.53	0.63	0.55	1.04	0.72	Tig	pum Tf	
LT-078	7825326	482896	0.07	0.10	0.08	0.08	0.15	0.10	0.09	0.12	0.10	0.60	0.15	Tig	Ignim	
LT-083	7823416	479801	6.15	3.73	3.76	4.73	6.79	8.01	6.22	5.19	8.68	3.84	5.71	Tig	Ignim	
LT-085	7820852	477672	8.88	7.07	10.6	3.49	9.44	5.66	19.9	6.40	7.36	7.07	8.59	Tig	Ignim	
LT-098	7831020	477988	0.88	0.43	0.18	1.38	1.41	1.96	0.77	0.71	0.87	1.21	0.98	Tig	Gd	
LT-119	7832372	454211	1.04	0.77	0.73	0.77	0.97	0.89	0.98	0.98	0.54	0.81	0.85	Tig	pum Tf	
LT-120	7833432	456365	0.54	0.50	0.48	0.47	0.55	0.51	0.42	0.58	0.54	0.53	0.51	Tig	pum Tf	
LT-145	7877420	460114	6.94	7.07	4.49	5.41	6.73	4.72	3.95	6.73	6.77	7.58	6.04	Tig	Ignim	
LT-146	7877595	459140	2.44	2.53	2.98	3.17	3.08	3.08	2.73	3.34	3.89	2.50	2.97	Tig	Ignim	
LT-147	7878223	456995	0.22	0.25	0.20	0.22	0.20	0.12	0.19	0.22	0.17	0.19	0.20	Tig	pum Tf	
LT-148	7878023	455972	0.41	0.35	0.44	0.48	0.48	0.54	0.50	0.49	0.40	0.43	0.45	Tig	pum Tf	
LT-149	7876150	453669	0.19	0.18	0.18	0.19	0.21	0.20	0.23	0.21	0.23	0.22	0.20	Tig	Ignim	
LT-161	7916799	428926	0.25	0.18	0.16	0.19	0.25	0.20	0.25	0.20	0.18	0.23	0.21	Tig	Ignim	
LT-162	7918599	425986	0.09	0.12	0.13	0.13	0.11	0.17	0.15	0.13	0.10	0.12	0.13	Tig	Ignim	
LT-163	7915792	432933	0.08	0.10	0.09	0.07	0.12	0.07	0.12	0.10	0.08	0.09	0.09	Tig	Ignim	
LT-164	7915705	436410	1.07	0.46	0.46	0.36	0.52	0.59	0.66	0.63	0.63	0.69	0.61	Tig	pum Tf	
LT-165	7918072	441924	0.14	0.12	0.12	0.21	0.11	0.10	0.18	0.14	0.16	0.17	0.15	Tig	Ignim	
LT-166	7920279	447802	1.79	1.66	1.85	1.80	1.08	0.57	0.66	0.89	1.45	0.88	1.26	Tig	Ignim	
LT-167	7924108	454630	1.45	1.17	1.06	1.20	1.46	1.23	1.41	1.37	1.07	0.90	1.23	Tig	Ignim	
LT-168	7923341	463063	9.40	11.5	9.66	10.4	11.4	9.70	11.1	11.5	7.01	8.04	9.97	Tig	Ignim	
LT-169	7927296	462119	10.3	3.25	4.27	4.08	2.97	2.22	3.48	4.57	7.01	3.56	4.57	Tig	Ignim	
LT-175	7926717	424722	2.44	2.29	2.00	2.13	1.73	1.84	2.76	2.45	2.51	1.91	2.21	Tig	Ignim	
LT-176	7921316	425489	0.98	0.93	1.26	1.04	0.90	0.97	1.06	0.95	0.98	0.93	1.00	Tig	Ignim	
LT-177	7922903	427308	2.19	2.52	1.95	2.07	2.04	1.17	1.89	1.76	1.86	1.71	1.92	Tig	Ignim	
LT-178	7923679	428483	2.51	1.70	2.13	2.41	1.82	1.89	1.84	2.35	2.14	2.70	2.15	Tig	Ignim	
LT-179	7921189	424009	1.39	1.44	1.01	1.34	1.10	1.15	1.28	1.13	1.35	1.21	1.24	Tig	Ignim	
LT-234	7960965	422064	2.26	2.87	2.72	2.57	2.05	2.01	1.88	2.45	1.41	2.03	2.23	Tig	Ignim	
LT-236	7961367	424349	0.16	0.23	0.17	0.31	0.19	0.17	0.18	0.19	0.17	0.18	0.20	Tig	pum Tf	
LT-238	7958097	412802	3.52	2.64	3.82	2.93	3.37	2.90	2.84	3.24	2.43	2.93	3.06	Tig	Ignim	
LT-239	7957865	411738	2.82	2.40	3.10	2.87	2.90	2.51	2.26	2.51	2.71	3.04	2.71	Tig	Ignim	
LT-240	7957276	410474	0.42	0.53	0.39	0.32	0.37	0.45	0.46	0.46	0.40	0.47	0.43	Tig	Ignim	
LT-241	7957030	408616	1.67	1.62	2.02	1.29	1.64	1.24	1.73	1.78	1.80	1.62	1.64	Tig	pum Tf	f
LV-003	7811040	470417	0.47	0.45	0.54	1.06	1.00	0.50	0.53	0.31	0.52	0.35	0.57	Tig	Tuff	
LK-004	7709494	478764	1.31	1.30	2.91	1.32	1.22	1.12	1.57	1.55	1.52	1.01	1.48	Tig	Ignim	
LK-010	7680794	543264	1.07	0.90	1.86	1.19	0.84	1.46	1.38	1.4	0.99	1.08	1.22	Tig	Ignim	
LK-013	7763781	495168	5.50	4.54	4.22	4.62	6.32	5.05	6.12	5.49	5.08	5.91	5.29	Tig	Ignim	f
LK-020	7767791	494173	2.08	2.11	2.22	1.46	1.84	2.17	2.49	2.15	1.68	2.47	2.07	Tig	Ignim	
LK-041	7675414	538593	0.36	0.50	0.46	0.40	0.38	0.55	0.54	0.64	0.54	0.44	0.48	Tig	Ignim	
LK-042	7675869	541595	0.34	0.32	0.33	0.35	0.34	0.35	0.35	0.27	0.60	0.36	0.36	Tig	Ignim	
LK-043	7678267	543060	0.59	0.44	0.46	0.63	0.43	0.60	0.46	0.50	0.40	0.58	0.51	Tig	Ignim	
LK-044	7679430	541888	0.69	0.77	0.82	0.60	0.82	0.75	0.64	0.87	0.84	0.93	0.77	Tig	Ignim	
LK-054	7790699	490807	0.19	0.15	0.29	0.10	0.16	0.16	0.17	0.11	0.36	0.12	0.18	Tig	Ignim	
LK-055	7790433	490583	3.87	4.53	3.55	4.46	5.29	8.07	9.73	5.01	10.9	6.83	6.22	Tig	Bs	

AP-56 Results of in situ Magnetic Susceptibility Measurement (5/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LK-057	7790412	487378	39.2	40.5	13.7	10.1	38.7	37.9	35.7	38.6	36.1	39.3	33.0	Tig	Bs	
LK-058	7790534	486426	2.56	3.19	3.12	4.31	3.80	3.86	4.52	3.67	3.95	4.05	3.70	Tig	Ignim	
LK-066	7800674	484314	3.65	3.30	2.89	3.09	3.50	4.23	3.47	3.42	2.61	3.49	3.37	Tig	perlite-obsidian, ign.	
LK-067	7801871	480424	3.36	3.09	4.22	5.71	2.24	3.36	4.10	3.74	3.10	2.89	3.58	Tig	perlite-obsidian, ign.	
LK-068	7800548	487064	2.03	2.01	1.64	1.77	2.10	1.69	2.21	2.26	2.23	1.49	1.94	Tig	Ignim	
LK-072	7785094	476113	2.51	1.54	2.00	1.87	1.78	2.52	1.66	2.23	1.17	2.42	1.97	Tig	Ignim	
LK-074	7781963	476748	0.21	0.15	0.23	0.23	0.23	0.14	0.19	0.21	0.23	0.15	0.20	Tig	pum Tf	
LK-075	7781065	476741	2.16	2.11	2.55	2.74	2.36	3.03	2.64	3.02	2.62	2.59	2.58	Tig	Ignim	
LK-091	7803067	457615	2.28	2.57	2.11	1.69	3.34	2.81	2.40	2.57	2.77	2.8	2.53	Tig	Ignim	
LK-151	7831865	454244	0.42	0.68	0.64	0.59	0.87	0.87	0.61	0.58	0.66	0.86	0.68	Tig	Tf-bre	
LK-152	7832101	453993	1.42	1.29	2.43	1.64	1.54	1.45	1.35	1.61	1.15	1.05	1.49	Tig	Ignim	
LK-153	7831213	449775	1.68	3.64	2.94	1.27	1.79	2.22	2.41	3.10	3.52	2.07	2.46	Tig	Ignim	
LK-154	7833671	454206	0.55	0.73	0.53	0.85	0.66	0.65	0.91	0.78	0.49	0.61	0.68	Tig	Tf-bre	
LK-171	7864460	451448	1.35	0.48	0.19	0.98	0.73	1.28	1.48	1.35	2.80	3.65	1.43	Tig	Tuff	
LK-196	7884032	441640	2.52	2.64	2.40	2.75	1.81	2.19	2.86	2.82	2.60	3.10	2.57	Tig	Ignim	
LK-197	7886100	440264	2.72	2.87	2.43	3.10	2.81	2.94	3.43	2.61	2.95	2.44	2.83	Tig	Ignim	
LK-198	7882966	439296	7.27	5.62	4.58	5.75	5.50	6.29	6.20	5.25	7.42	6.23	6.01	Tig	obsidian	
LK-203	7907163	439105	1.21	0.88	1.25	1.00	1.00	1.18	0.96	1.21	1.16	1.33	1.12	Tig	pum Tf	
LK-204	7908756	437436	1.48	1.96	1.83	1.89	1.83	1.68	1.83	1.72	1.45	1.82	1.75	Tig	Ignim	
LK-209	7913986	427442	0.12	0.12	0.12	0.08	0.11	0.09	0.09	0.11	0.08	0.17	0.11	Tig	Ignim	
LK-250	7974386	437419	0.77	0.66	0.59	0.45	0.62	0.52	0.60	0.49	0.60	0.51	0.58	Tig	Ignim	w
LK-251	7973809	438251	0.07	0.02	0.01	0.04	0.03	0.05	0.05	0.06	0.04	0.14	0.05	Tig	pum Tf	w
LK-305	7957893	415044	1.26	1.52	0.59	1.38	1.67	1.06	1.44	0.89	1.20	1.09	1.21	Tig	pum Tf	
LK-313	7982671	428263	1.26	1.08	1.10	1.11	1.05	1.26	1.00	1.15	1.37	1.27	1.17	Tig	pum Tf	
LK-088	7802881	481199	0.03	0.03	0.03	0.04	0.06	0.05	0.05	0.09	0.05	0.04	0.05	Tig?	alt Ignim.?	f
LK-097	7829925	476252	1.97	3.22	2.78	2.55	2.94	3.33	2.44	2.97	2.94	2.56	2.77	Tig?	Ignim	
LK-208	7906456	435061	0.20	0.50	0.71	0.54	0.24	0.25	0.31	0.31	0.29	0.49	0.38	Tig?	fine Tuff	
LS-151	7971744	408231	1.45	2.44	1.94	2.03	1.86	2.49	2.59	2.27	2.58	2.85	2.25	Tc	Ss	
LQ-051	7765507	462854	1.98	4.34	3.98	5.26	2.95	11.1	4.38	2.51	4.36	2.14	4.30	Tc	Cgl	
LS-044	7780201	480594	43.3	36.5	31.6	39.9	32.5	36.1	36.9	46.3	32.5	35.1	37.1	Tgd	Microdi	p
LS-045	7780674	480766	67.7	50.2	63.4	66.1	66.0	53.8	75.2	91.3	70.6	75.1	67.9	Tgd	Microdi	k
LS-046	7780671	480771	23.4	22.4	20.8	16.6	12.3	21.8	15.4	14.3	19.8	15.9	18.3	Tgd	Microdi	p
LS-047	7780671	480768	4.27	1.38	2.03	2.01	1.35	1.68	2.40	1.81	2.55	2.31	2.18	Tgd	G	f
LS-048	7780144	481183	0.63	0.43	0.65	0.58	0.65	0.97	0.66	0.49	0.57	0.50	0.61	Tgd	Microdi	f
LS-049	7780073	480972	7.36	7.94	9.24	6.94	14.4	1.81	3.86	10.4	8.61	12.9	8.35	Tgd	Gd-po	f
LS-050	7779831	480812	12.6	10.2	11.0	19.0	13.0	9.32	7.49	7.53	6.90	9.32	10.6	Tgd	Gd	p
LS-051	7779367	481014	0.66	0.86	0.86	1.09	1.09	0.84	1.05	1.01	0.70	0.73	0.9	Tgd	G	
LS-052	7779368	481013	34.5	18.8	28.7	28.20	27.9	27.3	34.1	19.3	19.4	45.6	28.4	Tgd	G	
LS-053	7779358	481001	1.59	0.47	1.58	0.35	0.35	2.31	0.31	0.29	0.29	0.23	0.78	Tgd	Gd	p
LS-055	7809466	471663	0.15	0.14	0.15	0.16	0.23	0.16	0.17	0.19	0.19	0.11	0.17	Tgd	G-po	f
LS-069	7831336	482564	63.7	59.9	64.7	64.2	64.5	48.5	42.8	44.9	52.2	71.0	57.6	Tgd	Di	p
LS-070	7832310	481515	5.99	6.64	2.17	4.75	5.68	2.95	5.97	4.67	3.82	3.67	4.63	Tgd	Gd	p
LS-072	7831478	479188	0.08	0.10	0.10	0.09	0.13	0.14	0.07	0.08	0.13	0.11	0.10	Tgd	G	f
LS-073	7831530	479094	13.1	12.7	11.0	12.9	13.5	13.0	10.4	12.5	11.9	10.7	12.2	Tgd	Gd	p
LS-101	7861834	448094	35.2	22.7	32.8	32.3	42.9	44.7	15.6	41.2	36.9	34.1	33.8	Tgd	Di-po	p
LS-103	7861990	448095	1.15	2.99	2.38	1.85	1.29	1.23	3.34	0.83	1.63	1.62	1.83	Tgd	Qz-po	p
LS-104	7862279	447949	0.23	0.24	0.19	0.28	0.26	0.27	0.22	0.19	1.16	0.21	0.33	Tgd	Qz-po	f
LS-105	7862497	447861	39.9	38.2	42.6	46.5	39.7	42.6	44.9	44.0	39.7	44.7	42.3	Tgd	Di-po	p
LS-113	7861526	448656	21.3	11.3	18.3	13.4	12.4	18.2	11.8	15.0	11.6	19.2	15.3	Tgd	Di-po	p
LS-114	7861390	448745	0.30	0.38	0.25	0.23	0.29	0.27	0.28	0.19	0.38	0.26	0.28	Tgd	Qz-po (G-po)	f
LS-116	7861643	448751	22.6	11.4	20.9	15.5	17.1	24.1	19.0	17.6	12.9	14.7	17.6	Tgd	Di-po	p
LS-118	7861725	449170	20.0	39.8	46.4	44.5	44.2	38.6	35.7	48.0	47.6	49.6	41.4	Tgd	Di-po	p
LS-132	7918818	426862	7.07	5.35	8.19	8.05	5.44	7.07	5.49	3.97	6.13	6.94	6.37	Tgd	Qz-di	p
LS-138	7905852	435290	0.33	0.28	0.20	0.19	0.24	0.23	0.20	0.27	0.14	0.24	0.23	Tgd	Qz-po	f
LS-141	7971709	479656	29.3	29.7	27.0	21.8	24.7	22.5	19.5	28.3	33.6	28.4	26.5	Tgd	Da-po	p
LS-150	7974192	413054	20.6	19.6	18.1	17.6	19.9	15.1	19.0	16.8	17.7	20.2	18.5	Tgd	Gd	
LQ-034	7686030	512081	0.26	0.12	0.11	0.24	0.16	0.13	0.18	0.13	0.09	0.16	0.16	Tgd	Di	f
LQ-080	7828197	491748	27.8	32.1	23.4	22.7	18.8	24.7	28.7	27.5	17.8	22.1	24.6	Tgd	Di	
LQ-081	7828309	492106	1.06	4.01	0.28	0.28	1.49	0.17	0.20	12.3	6.50	6.40	3.27	Tgd	Di	a
LQ-082	7828550	493195	0.18	0.10	0.16	0.12	0.24	0.22	0.21	0.15	0.15	0.24	0.18	Tgd	Di	a
LQ-088	7832009	481936	18.4	20.7	19.3	18.2	16.6	19.3	17.1	19.7	22.3	22.0	19.4	Tgd	Gd	
LQ-089	7832047	481503	19.9	26.1	31.9	23.7	32.4	22.0	23.0	22.6	27.1	29.0	25.8	Tgd	Gd	p
LQ-090	7832086	481279	1.04	1.26	0.84	1.16	5.85	6.78	7.86	8.98	4.49	1.57	3.98	Tgd	Gd?	
LQ-091	7832397	480724	12.7	12.3	11.4	22.8	30.5	16.4	24.2	16.3	14.1	20.5	18.1	Tgd	Gd	
LQ-092	7832274	480394	15.3	6.25	12.4	0.78	0.62	0.71	0.63	1.59	6.46	5.55	5.03	Tgd	Gd	p
LQ-097	7831597	479508	15.9	3.82	3.04	2.53	0.96	11.3	4.36	3.97	3.39	7.32	5.66	Tgd	G	p
LQ-098	7831535	479175	0.12	0.11	0.15	0.18	0.35	4.07	0.61	0.14	0.14	0.15	0.60	Tgd	G	p
LQ-099	7831581	479746	1.18	1.59	1.33	1.79	2.09	1.81	3.04	2.61	1.64	1.30	1.84	Tgd	Gd	p
LQ-123	7822262	479084	17.6	16.2	12.2	15.30	16.7	12.2	13.5	10.9	14.5	16.6	14.6	Tgd	Di	p
LQ-127	7821281	478648	0.07	0.10	0.03	0.06	0.10	0.09	0.07	0.14	0.06	0.09	0.08	Tgd	meta-po	f
LQ-156	7866600	459341	23.2	22.4	22.5	24.7	22.2	24.0	25.7	24.1	22.6	23.8	23.5	Tgd	Di-po	
LQ-168	7866602	459347	1.43	1.78	5.04	4.86	1.53	6.26	1.57	0.88	0.71	6.70	3.08	Tgd	Qz-po	p
LQ-179	7864526	457548	0.32	0.35	0.35	0.18	0.21	0.31	1.09	1.65	0.83	0.30	0.56	Tgd	G?	s
LQ-182	7864231	457259	6.85	6.28	6.92	8.43	7.55	6.71	1.27	0.14	0.85	0.42	4.54	Tgd	Ap	s
LQ-183	7864166	457248	7.22	12.4	8.48	27.7	27.4	31.0	21.2	25.6	6.99	23.4	19.1	Tgd	Di	
LQ-184	7864560	456792	25.3	29.0	21.9	19.4	29.0	19.0	22.8	15.8	24.0	20.2	22.6	Tgd	Di	
LQ-278	7971964	442844	0.10	0.12	0.04	0.07	0.09	0.09	0.07	0.22	0.16	0.19	0.12	Tgd	Qz-po	s
LQ-279	7972144	443001	49.2	44.3	57.6	16.2	54.9	58.1	75.4	58.9	46.2	40.1	50.1	Tgd	Di	p
LQ-282	7972638	443040	0.02	0.04	0.06	0.02	0.03	0.05	0.01	0.02	0.04	0.01	0.03	Tgd	Qz-po	f
LQ-284	7972724	443111	12.5	13.5	11.3	9.96	11.0	11.4	11.3	10.6	11.5	11.6	11.5	Tgd	Di	p
LQ-286	7972860	443250	0.02	0.01	0.04	0.02	0.03	0.04	0.04	0.01	0.02	0.04	0.03	Tgd	alt Qz-po	s
LQ-294	7981434	428160	0.08	0.21	0.35	0.09	0.12	0.21	0.14	0.18	0.23	0.27	0.19	Tgd	alt. r.	f
LQ-295	7981332	428151	13.9	12.6	9.65	10.9	17.3	25.8	14.0	11.4	21.0	17.0	15.4	Tgd	Gd	
LT-045	7801962	505055	3.45	1.80	2.60	1.57	2.70	5.00	4.45	1.64	1.26	0.81	2.53	Tgd	Gd	k
LT-046	7801465	503886	14.7	17.2	18.6	11.2	12.8	22.5	18.7	23.8	23.7	16.1	17.9	Tgd	Gd	

AP-56 Results of in situ Magnetic Susceptibility Measurement (6/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LT-193	7971189	442715	0.12	0.09	0.11	0.18	0.12	0.11	0.11	0.08	0.08	0.09	0.11	Tgd	Qz-po	f
LT-194	7972202	443451	0.10	0.22	0.10	0.07	0.17	0.07	0.09	0.19	0.11	0.11	0.12	Tgd	Qz-po	f
LT-199	7972472	444889	18.6	14.6	21.3	19.6	19.1	23.3	22.3	18.5	21.9	20.5	20.0	Tgd	Gd	p
LT-200	7973028	445135	18.2	17.2	18.0	11.5	14.5	18.3	15.4	12.2	22.7	20.0	16.8	Tgd	Di-po	p
LT-212	7966142	445414	31.6	25.4	29.9	37.5	31.1	27.3	29.7	33.8	33.9	34.5	31.5	Tgd	Po	p
LT-214	7968675	441766	17.6	17.3	20.5	13.8	16.3	15.4	17.1	21.6	18.9	14.3	17.3	Tgd	Di	
LT-215	7968885	442144	43.2	54.3	50.5	38.1	48.7	44.6	43.6	45.5	44.8	50.9	46.4	Tgd	Gd	p
LT-218	7972020	440982	36.6	41.2	52.2	50.1	50.3	44.1	56.4	42.5	45.8	47.4	46.7	Tgd	Di-po	f
LT-220	7971473	440029	32.7	32.7	33.6	22.1	29.4	26.0	28.3	27.6	26.0	22.5	28.1	Tgd	Microdi	f
LT-229	7972486	441976	0.04	0.08	0.06	0.07	0.03	0.05	0.05	0.07	0.15	0.05	0.07	Tgd	Qz-po	f
LT-233	7973760	442410	0.10	0.02	0.06	0.01	0.01	0.03	0.03	0.03	0.04	0.03	0.04	Tgd	Qz-po	f
LT-242	7982502	423433	0.01	0.03	0.05	0.07	0.04	0.05	0.06	0.04	0.06	0.05	0.05	Tgd	alt rock	f
LT-244	7982313	423556	0.39	0.54	0.50	0.88	0.77	1.23	0.55	0.27	0.42	0.20	0.58	Tgd	Gd	f
LK-046	7798369	495756	8.90	9.01	9.12	10.1	9.25	8.16	8.45	7.95	9.77	7.41	8.81	Tgd	Gd	
LK-048	7796603	495444	0.65	0.99	0.05	0.10	5.78	4.25	0.28	0.25	0.21	0.88	1.34	Tgd	Gd	f
LK-056	7790396	488986	10.5	11.4	7.72	11.0	9.99	9.92	11.5	9.88	9.94	10.7	10.3	Tgd	Gd	
LK-062	7799946	494586	0.13	0.13	0.11	0.12	0.12	0.10	0.11	0.14	0.14	0.12	0.12	Tgd	Gd	f
LK-065	7800247	488756	16.6	13.8	14.4	9.89	16.9	14.8	15.7	15.4	19.5	17.0	15.4	Tgd	Di	
LK-099	7829965	476779	0.14	0.13	0.12	0.10	0.11	0.16	0.17	0.14	0.37	0.21	0.17	Tgd	G	f
LK-100	7829890	476893	0.19	0.32	0.25	0.25	0.33	0.26	0.19	0.31	0.32	0.23	0.27	Tgd	Gd	f
LK-101	7831338	482563	60.1	48.8	38.1	37.3	73.7	21.0	49.2	38.1	27.2	11.9	40.5	Tgd	Gd/Di	
LK-103	7831489	482353	35.0	31.0	32.0	24.0	22.2	29.0	25.6	23.0	22.6	21.5	26.6	Tgd	Gd/Di	o
LK-105	7831235	482912	19.0	23.2	17.0	21.9	19.4	17.1	8.42	12.3	11.1	20.4	17.0	Tgd	Gd	p
LK-106	7831200	482949	0.21	0.14	0.06	0.18	0.14	0.25	0.08	0.20	0.12	0.10	0.15	Tgd	qz-tou rock	f
LK-107	7831310	482988	0.33	0.38	0.21	10.4	0.74	0.38	1.03	16.2	1.07	1.49	3.22	Tgd	qz-tou rock	s
LK-109	7831135	483114	0.38	0.21	0.24	3.02	2.37	5.61	7.97	12.6	2.78	2.28	3.75	Tgd	Gd	p
LK-127	7831236	483273	13.0	12.9	9.29	9.21	11.6	12.8	11.3	10.8	13.2	10.3	11.4	Tgd	Gd	f
LK-131	7831278	483780	28.0	23.6	30.6	34.8	32.9	20.2	18.6	28.1	32.2	30.6	28.0	Tgd	Gd	f
LK-132	7831459	484100	11.8	7.46	14.4	19.0	15.8	13.7	17.4	15.0	11.8	14.3	14.1	Tgd	Gd	f
LK-136	7831535	484930	2.11	4.56	3.72	2.38	2.68	5.47	3.02	2.10	4.03	4.02	3.41	Tgd	G	
LK-138	7830957	483863	14.0	16.1	11.4	13.2	6.63	12.9	13.1	10.2	16.0	12.4	12.6	Tgd	Gd	f
LK-179	7862841	450650	11.2	14.1	7.69	21.0	19.6	8.83	6.71	8.12	10.0	25.1	13.2	Tgd	G	f
LK-182	7862282	449835	35.3	51.8	66.4	58.2	67.5	30.1	57.7	33.3	13.3	25.7	43.9	Tgd	Di	p
LK-183	7862219	449690	21.0	9.39	9.18	15.7	32.7	21.4	33.9	26.6	33.4	25.6	22.9	Tgd	meta-Di	p
LK-185	7862104	449364	32.4	47.0	32.9	24.5	32.3	27.5	30.6	20.3	33.1	33.1	31.4	Tgd	Gd	p
LK-186	7862021	449200	9.48	8.01	11.4	9.57	14.1	6.96	11.9	19.0	17.7	16.9	12.5	Tgd	Gd	p
LK-187	7862141	449474	31.7	55.4	62.7	53.3	43.9	59.4	62.1	45.4	59.7	30.2	50.4	Tgd	meta-Di-po	
LK-190-1	7862128	449069	30.5	24.5	35.6	34.1	28.1	47.2	30.2	31.5	24.3	32.8	31.9	Tgd	Di	p
LK-190-2	7862128	449069	2.25	4.43	12.1	0.63	8.36	9.37	1.08	5.15	4.39	0.49	4.83	Tgd	Gd	p
LK-199	7905269	447111	37.3	62.1	20.7	58.2	60.5	52.5	61.6	20.4	46.7	59.5	48.0	Tgd	Gd	
LK-200	7905605	446013	13.0	7.37	9.60	7.44	6.18	22.1	5.10	11.2	9.92	9.70	10.2	Tgd	Qz-di	p
LK-201	7905664	446216	21.9	14.3	21.1	14.3	24.6	14.4	16.7	22.2	19.2	22.3	19.1	Tgd	Gd/Di	p
LK-202	7906494	444042	26.3	24.3	17.1	24.2	21.0	26.9	25.3	26.8	14.7	20.9	22.8	Tgd	Di	p
LK-205	7906583	435258	0.30	0.21	0.17	0.15	0.21	0.13	0.10	0.12	0.13	0.19	0.17	Tgd	alt Qz-po bre	f
LK-206	7905850	435225	0.06	0.05	0.04	0.02	0.05	0.03	0.04	0.03	0.06	0.04	0.04	Tgd	Qz-po	f
LK-283	7973306	444904	40.1	30.9	36.6	38.9	38.3	45.0	42.9	33.7	38.7	35.7	38.1	Tgd	meta-Di	f
LK-288-1	7973525	445166	32.8	31.1	33.6	31.7	29.6	28.5	31.5	31.4	34.9	34.3	31.9	Tgd	meta-Di	p
LK-292	7975777	426378	17.7	7.21	12.2	16.3	15.0	11.6	19.4	18.6	11.3	13.2	14.3	Tgd	alt Gd	
LK-294	7975913	426340	16.5	12.8	20.7	19.5	17.1	17.7	18.7	12.0	17.9	17.8	17.1	Tgd	Gd	
LQ-022	7688710	512744	4.72	2.59	0.86	0.49	4.56	1.88	1.26	2.09	4.76	2.4	2.56	Tgd	Qz-po	p
LQ-026	7687523	511959	0.12	0.14	0.12	0.10	0.11	0.16	0.09	0.23	0.13	0.13	0.13	Tgd	Qz-po	f
LQ-032	7686120	511776	0.04	0.03	0.14	0.11	0.02	0.04	0.03	0.04	0.05	0.02	0.05	Tgd	Qz-po	f
LQ-035	7686348	512526	0.20	0.01	0.03	0.09	0.14	0.08	0.06	0.13	0.12	0.03	0.09	Tgd	Qz-po	f
LT-036	7697510	524830	0.07	0.74	0.51	1.71	0.57	0.83	1.39	0.70	0.10	0.16	0.68	Tgd	Qz-po	
LT-043	7803178	506977	1.28	1.39	5.86	1.03	1.45	1.81	1.70	6.97	1.13	0.84	2.35	Tgd	Qz-po	a
LT-091	7813188	485373	0.08	0.14	0.08	0.05	0.08	0.04	0.06	0.05	0.06	0.11	0.08	Tgd	Da	
LT-183	7946983	450879	1.60	0.07	0.05	0.06	0.07	0.06	0.09	0.09	0.10	0.37	0.26	Tgd	Qz-po	f
LT-185	7946985	452093	0.49	0.22	0.25	1.08	2.30	0.95	1.44	0.72	0.63	0.86	0.89	Tgd	Di-po	p
LK-014-1	7769963	493736	12.4	9.66	14.0	12.0	11.2	11.3	12.7	8.86	8.63	11.2	11.2	Tgd	Po	
LK-014-2	7769963	493736	2.53	0.33	0.26	0.41	0.26	6.25	4.50	0.23	0.19	4.90	1.99	Tgd	Po	s
LK-025	7681321	531544	0.05	0.07	0.03	0.06	0.06	0.05	0.07	0.09	0.04	0.07	0.06	Tgd	Po	f
LK-026	7679299	537701	0.02	0.01	0.05	0.09	0.02	0.01	0.03				0.03	Tgd	Po	f
LK-268	8016753	430195	6.42	8.42	5.89	13.0	14.1	13.1	9.15	9.05	16.2	7.54	10.3	Tgd	And	
LQ-028	7686725	511459	0.79	0.28	4.00	0.23	0.78	0.48	1.44	2.23	1.82	2.23	1.43	Tgd?	G	p
LQ-029	7686184	511039	11.0	16.7	15.2	6.13	13.4	7.07	7.06	2.05	2.14	7.24	8.80	Tgd?	G	f
LQ-031	7686041	511466	0.13	0.06	0.03	0.09	0.05	0.02	0.06	0.03	0.04	0.03	0.05	Tgd?	G	f
LQ-170	7866488	459432	0.68	0.92	0.65	1.24	0.80	0.57	1.06	0.57	0.65	0.97	0.81	Tgd?	microgranite	f
LK-188	7862029	449174	2.62	8.49	4.84	18.7	29.0	3.91	6.41	8.41	5.19	19.3	10.7	Tgd?	Di?	f
LK-248	7980163	439311	0.04	0.11	0.01	0.08	0.08	0.09	0.08	0.07	0.07	0.08	0.07	Tgd?	alt G?	f
LQ-063	7804376	461656	29.1	26.1	32.5	40.3	30.1	34.1	36.0	28.9	38.6	35.2	33.1	Tgd?	Di	p
LQ-074	7828120	489223	11.6	12.2	9.81	2.72	8.53	5.56	7.82	7.88	5.78	5.58	7.75	Tgd?	Da-po?	s
LQ-076	7828230	489833	0.20	0.06	0.15	0.18	0.07	0.08	0.12	0.12	0.46	0.19	0.16	Tgd?	Da-po?	f
LQ-077	7828230	490140	1.48	0.28	0.25	0.41	0.34	0.21	0.18	0.13	0.21	0.63	0.41	Tgd?	Da-po?	f
LQ-078	7828148	490358	9.18	9.16	13.4	10.2	9.75	7.23	9.48	6.89	12.6	13.3	10.1	Tgd?	Da-po?	p
LS-016	7772860	484399	11.1	11.5	1.75	15.10	1.00	1.02	2.67	2.53	15.1	1.96	6.37	Kgd/Tgd	Di	p
LS-143	7960308	420224	13.9	11.3	9.38	14.4	10.9	11.2	10.0	14.5	13.6	14.7	12.4	Kgd-Tgd	Gd	
LS-003	7682046	482106	16.3	16.5	14.3	17.2	14.1	15.0	16.2	15.0	15.3	10.9	15.1	Kgd	Gd	p
LS-005	7684394	484420	18.3	12.30	19.1	15.7	19.8	18.4	14.2	19.7	17.5	11.8	16.7	Kgd	Gd	f
LS-019	7686183	510122	27.5	21.0	25.9	21.9	20.8	26.6	17.8	23.2	16.4	15.4	21.7	Kgd	G	
LS-020	7685798	509776	6.96	10.9	6.84	2.05	7.42	11.3	10.6	11.20	3.73	11.4	8.24	Kgd	G	f
LS-025	7683333	514336	0.15	0.11	6.74	0.81	7.49	9.98	6.58	0.77	0.20	0.28	3.31	Kgd	Gd-po	f
LS-030	7680350	516375	4.74	3.20	2.81	1.99	13.0	12.1	4.43	2.58	1.69	10.6	5.71	Kgd	Gd-po	f
LS-031	7679990	515933	1.09	0.81	0.88	0.29	0.88	1.26	1.44	0.27	1.50	0.26	0.87	Kgd	Gd-po	f
LS-034	7680457	514983	9.04	4.33	6.67	5.39	9.47	7.92	5.00	16.4	5.99	6.00	7.62	Kgd	Gd	p
LS-035	7680838	513972	30.2	29.7	27.6	25.3	25.3	27.8	28.4	24.7	24.5	32.7	27.6	Kgd	Gd	p

AP-56 Results of in situ Magnetic Susceptibility Measurement (7/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LS-039	7682156	510296	1.26	0.78	0.86	0.68	0.78	0.79	0.67	0.79	0.63	0.47	0.77	Kgd	Gd	f
LS-040	7683100	508690	2.81	2.91	2.81	2.15	2.22	2.79	2.82	4.74	4.49	3.65	3.14	Kgd	Da-po	f
LS-041	7682321	509505	0.39	0.38	0.35	0.24	0.33	0.38	0.26	0.32	0.23	0.28	0.32	Kgd	Gd-po	f
LS-144	7960281	419788	0.60	0.36	0.48	0.56	0.69	0.40	0.37	0.42	0.54	0.49	0.49	Kgd	G	
LS-145	7961857	420228	9.78	5.79	6.79	12.1	6.24	3.25	7.05	5.08	7.54	6.42	7.00	Kgd	Gd	p
LQ-040	7779665	461561	6.50	6.38	5.40	3.97	7.20	9.19	7.82	9.20	7.29	7.51	7.05	Kgd	Gd	
LQ-041	7779589	461570	9.49	9.30	6.89	10.7	12.9	9.38	13.8	13.6	9.87	11.7	10.8	Kgd	Gd	p
LQ-042	7780123	460619	6.68	7.70	5.73	4.73	6.90	5.75	5.46	4.12	5.61	3.64	5.63	Kgd	Gd	p
LQ-043	7780137	460612	0.29	0.35	0.29	0.20	0.30	0.22	0.22	0.32	0.31	0.31	0.28	Kgd	Gd?	a
LQ-048	7773286	456963	3.37	3.93	2.83	4.32	3.55	4.24	4.75	5.97	4.53	6.30	4.38	Kgd	Microdi	p
LQ-056	7781608	462038	44.2	40.6	47.5	42.3	37.5	36.5	38.6	33.6	43.0	36.2	40.0	Kgd	G-po	
LQ-057	7782111	463329	26.2	26.3	27.8	26.3	29.3	26.2	34.2	22.1	26.4	23.0	26.8	Kgd	Gd	
LT-018	7692244	518949	24.7	28.6	25.7	26.3	26.6	29.0	30.5	21.9	21.6	23.5	25.8	Kgd	Gd	
LT-044	7802191	505827	10.9	21.1	17.3	10.5	12.8	2.72	12.3	3.59	2.95	11.0	10.5	Kgd	G	
LT-047	7803130	502796	0.45	0.45	0.40	0.35	0.13	0.33	0.10	0.85	0.54	0.44	0.40	Kgd	Gd	f
LT-048	7803352	500858	16.6	15.0	24.4	15.6	21.0	17.9	19.9	18.3	17.0	17.0	18.3	Kgd	Gd	
LT-049	7803577	498455	19.1	17.5	13.0	8.45	21.4	23.2	18.1	19.8	20.5	17.8	17.9	Kgd	Gd	
LT-050	7804337	496482	0.11	0.23	0.10	0.05	0.05	0.07	0.09	0.05	0.10	0.07	0.09	Kgd	sili rock	s
LT-051	7804831	495581	14.4	13.4	10.2	14.6	10.5	10.8	8.61	11.4	13.8	12.3	12.0	Kgd	Di	p
LT-052	7802764	496105	11.6	22.6	29.4	17.2	28.2	39.5	13.9	7.00	6.95	11.5	18.8	Kgd	Gd	
LT-053	7794112	434019	8.41	10.9	9.96	12.0	15.0	10.3	12.1	8.57	8.78	11.3	10.7	Kgd	Tf-bre	
LT-055	7801031	452097	11.8	12.5	10.3	13.4	15.3	8.20	9.70	9.91	9.86	13.6	11.5	Kgd	Gd	p
LT-062	7803780	459155	21.8	16.7	18.4	20.7	27.1	24.9	36.5	33.9	28.8	32.4	26.1	Kgd	Gd	p
LT-063	7803846	460526	12.0	10.1	7.77	12.9	9.45	13.4	10.8	13.3	8.43	8.51	10.7	Kgd	Gd	p
LT-070	7803906	461067	26.9	32.8	25.8	29.9	13.9	21.5	29.4	29.7	29.0	29.2	26.8	Kgd	Gd	p
LK-015	7770223	493069	0.40	0.53	0.93	0.23	0.29	0.38	0.94	0.86	0.43	0.20	0.52	Kgd	Gd	f
LK-016	7770279	493003	10.5	11.1	13.7	27.6	43.2	24.9	46.2	13.1	11.5	18.5	22.0	Kgd	Gd	f
LK-017	7770159	492881	0.26	0.35	0.28	0.74	9.34	30.9	4.58	0.24	0.44	0.35	4.75	Kgd	Gd	f
LK-022	7764990	494333	7.11	4.82	9.44	9.55	6.85	15.8	6.25	5.92	13.7	10.2	8.96	Kgd	Gd	
LK-032	7674136	527769	24.5	23.1	24.1	24.3	14.9	23.1	12.8	22.7	21.0	21.3	21.2	Kgd	Gd	
LK-040	7675643	538113	10.8	24.7	18.0	18.8	16.8	17.5	15.1	26.7	18.9	22.1	18.9	Kgd	Gd	
LK-090	7801483	461335	15.6	11.1	16.5	11.6	10.0	15.9	4.75	10.5	10.9	12.3	11.9	Kgd	Di	
LK-257	7961261	420551	7.50	7.93	9.11	7.85	8.45	7.64	7.10	8.07	5.90	7.07	7.66	Kgd	G	p
LK-259	7960219	419684	7.87	7.68	6.01	5.93	7.60	5.15	6.26	5.15	8.09	5.01	6.48	Kgd	G	p
LK-260	7958910	416101	7.17	8.47	8.62	7.81	8.66	6.90	6.62	9.14	6.70	6.02	7.61	Kgd	G-po	p
LK-306	7957416	415702	6.35	5.36	5.10	6.39	3.27	5.28	4.92	7.91	4.96	5.00	5.45	Kgd	Gd	
LS-018	7773528	484230	29.2	27.2	24.4	26.5	28.3	24.4	27.5	25.8	27.5	19.7	26.1	Kgd?	Gd	
LK-003	7717901	489213	0.14	0.27	0.16	0.11	0.12	0.29	0.16	0.12	0.27	0.27	0.19	Kgd?	Granitoid	f
LS-004	7684343	484419	1.81	2.13	1.53	1.54	2.09	2.52	1.82	1.55	1.64	1.93	1.86	Kv(i)	And	p
LS-006	7685602	488752	6.39	7.93	4.03	4.13	5.77	6.34	3.02	6.97	6.54	8.00	5.91	Kv(i)	And bre	p
LS-007	7686471	490291	40.3	30.9	42.2	43.9	39.0	42.8	52.8	56.2	42.6	50.2	44.1	Kv(i)	And	p
LS-015	7774992	478743	0.32	0.27	0.32	0.31	0.67	0.47	0.66	0.31	0.68	0.21	0.42	Kv(i)	And	f
LS-029	7681433	515704	0.10	0.10	0.11	0.11	0.08	0.10	0.10	0.06	0.08	0.06	0.09	Kv(i)	Tf-bre	s
LS-032	7680361	515709	1.50	0.19	0.24	0.28	1.03	1.10	0.90	1.35	0.26	0.14	0.70	Kv(i)	Rhy	
LS-042	7780341	479203	3.28	2.99	2.52	3.47	2.25	3.99	9.44	7.79	6.36	8.11	5.02	Kv(i)	Tf-bre	p
LS-043	7780158	480150	10.7	30.7	13.9	19.3	10.8	8.66	8.88	39.1	21.8	24.1	18.8	Kv(i)	And bre	p
LS-056	7808332	470456	0.83	5.52	2.10	5.02	1.14	2.51	0.65	1.27	1.31	1.91	2.23	Kv(i)	And	p
LS-062	7804759	465352	20.9	32.9	29.1	17.5	25.0	19.5	16.8	18.3	15.4	25.1	22.1	Kv(i)	And	p
LS-066	7830829	482962	4.40	1.76	9.79	7.36	6.22	6.17	6.00	6.91	5.35	6.14	6.01	Kv(i)	Sil Tf?	s
LS-067	7830663	482747	4.12	1.64	1.49	5.50	6.19	5.38	2.78	8.23	6.44	6.93	4.87	Kv(i)	Sil And (prop)	s
LS-088	7828835	475354	0.02	0.01	0.08	0.03	0.02	0.04	0.02	0.05	0.03	0.05	0.04	Kv(i)	Vol-bre?	f
LS-097	7860920	446560	8.76	6.96	5.92	10.10	5.73	10.1	4.70	5.92	4.42	5.41	6.80	Kv(i)	And	p
LS-098	7861100	447150	1.69	2.12	1.96	2.04	2.76	2.48	1.67	1.81	2.05	9.75	2.83	Kv(i)	And	p
LS-108	7862865	447842	29.3	24.2	24.1	21.1	17.0	17.5	17.7	24.2	24.0	17.8	21.7	Kv(i)	And	p
LS-109	7862881	447979	9.91	7.69	17.2	10.9	8.77	17.4	16.2	9.01	17.8	15.5	13.0	Kv(i)	And	p
LS-110A	7861641	448148	43.7	35.5	44.7	41.8	47.8	52.8	56.8	49.7	44.3	47.3	46.4	Kv(i)	And	p
LS-110B	7861646	448150	48.3	51.5	66.2	45.2	41.6	42.3	50.1	44.8	43.3	49.7	48.3	Kv(i)	And	p
LS-117	7861696	448798	14.4	13.0	10.1	10.8	16.8	12.8	14.4	16.1	15.0	17.5	14.1	Kv(i)	Tf-bre	p
LQ-023	7688269	512738	0.12	0.09	0.15	0.11	0.15	0.16	0.2	0.17	0.21	0.11	0.15	Kv(i)	alt rock	f
LQ-024	7688077	512843	0.16	0.16	0.27	0.22	0.27	0.32	0.3	0.36	0.28	0.27	0.26	Kv(i)	Silts	
LQ-025	7687536	512513	0.17	0.18	0.25	0.07	0.23	0.21	0.19	0.15	0.11	0.17	0.17	Kv(i)	alt rock	f
LQ-027	7686920	511577	12.3	15.2	3.12	0.13	27.0	0.26	48.6	7.98	68.6	5.19	18.8	Kv(i)	Qzite?	
LQ-033	7686139	511955	0.07	0.04	0.02	0.03	0.05	0.04	0.08	0.05	0.01	0.04	0.04	Kv(i)	Ss	f
LQ-036	7686450	512719	0.42	1.17	0.29	1.53	1.66	0.90	0.60	0.38	1.36	0.66	0.90	Kv(i)	Potic Bs?	
LQ-044	7780451	460321	8.01	7.73	7.95	7.75	8.17	5.61	6.67	7.78	8.49	6.98	7.51	Kv(i)	And	p
LQ-045	7779793	459352	8.75	8.28	6.32	5.79	8.65	7.44	10.9	11.5	11.4	6.39	8.54	Kv(i)	And	
LQ-046	7779166	458565	0.16	0.21	0.10	0.20	0.23	0.18	0.35	0.29	0.31	0.21	0.22	Kv(i)	And?	f
LQ-047	7778446	457965	3.83	5.96	6.77	7.20	5.34	6.70	8.99	6.27	5.31	5.39	6.18	Kv(i)	And	
LQ-052	7766914	464225	6.00	10.8	10.7	10.2	5.52	8.87	9.43	9.82	10.1	8.80	9.02	Kv(i)	Bs	p
LQ-053	7767923	465110	1.21	0.70	0.18	0.20	0.20	0.35	0.22	0.18	0.53	0.18	0.40	Kv(i)	Bs	p
LQ-054	7780989	460163	33.1	9.28	46.5	43.0	45.6	33.8	24.0	14.8	31.1	45.2	32.6	Kv(i)	Bs	p
LQ-055	7781423	460797	0.14	0.17	0.13	0.16	0.14	0.11	0.08	0.07	0.09	0.06	0.12	Kv(i)	And?	f
LQ-059	7804126	461619	11.0	18.5	1.20	18.1	18.9	15.5	18.3	4.78	19.3	18.1	14.4	Kv(i)	And?	p
LQ-062	7804353	461639	69.8	78.4	35.9	62.7	29.6	48.1	49.9	31.4	44.4	68.9	51.9	Kv(i)	Bs	p
LQ-065	7804649	461764	0.16	0.14	0.18	0.15	0.18	0.15	0.16	0.19	0.17	0.16	0.16	Kv(i)	And?	f
LQ-067	7803946	462610	0.17	0.22	0.22	0.14	0.23	0.21	0.11	0.13	0.15	0.18	0.18	Kv(i)	And	p
LQ-068	7826115	484248	0.60	0.68	0.75	0.66	0.72	0.62	0.66	0.61	0.53	0.62	0.65	Kv(i)	Tf	
LQ-069	7826190	484610	0.29	0.14	0.15	0.16	0.17	0.17	0.21	0.24	0.19	0.17	0.19	Kv(i)	Tf/lap.Tf	
LQ-070	7826705	485516	1.65	1.68	1.57	1.54	3.20	1.37	0.95	2.63	3.66	3.94	2.22	Kv(i)	lap Tf	
LQ-071	7826771	485764	0.99	1.43	1.01	0.98	0.83	1.14	1.35	1.26	1.23	1.34	1.16	Kv(i)	weld Tf	
LQ-072	7828168	487879	12.0	8.97	10.2	15.4	9.13	13.0	5.16	10.8	6.39	7.84	9.89	Kv(i)	G	p
LQ-073	7828195	488522	0.31	0.22	0.17	0.57	0.90	0.33	0.26	0.37	0.33	0.34	0.38	Kv(i)	lap Tf	s
LQ-075	7828143	489470	7.54	17.1	33.5	25.1	12.4	14.3	19.1	23.7	32.4	14.6	20.0	Kv(i)	Bs	
LQ-079	7828119	491208	11.3	13.1	8.20	14.5	26.6	4.11	2.59	24.6	5.41	9.71	12.0	Kv(i)	Da?	p
LQ-083	7828902	494169	0.06	0.06	0.02	0.08	0.05	0.07	0.06	0.10	0.01	0.02	0.05	Kv(i)	alt rock	a

AP-56 Results of in situ Magnetic Susceptibility Measurement (8/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LQ-084	7829382	494281	1.65	0.40	0.93	0.54	1.46	0.85	1.31	0.17	0.62	0.97	0.89	Kv(i)	Bs?	
LQ-085	7829949	494553	0.17	0.23	0.30	0.24	0.23	0.22	0.19	0.23	0.16	0.14	0.21	Kv(i)	alt rock	s
LQ-117	7823594	480669	1.07	1.44	0.59	1.08	1.66	0.83	1.22	0.81	0.79	0.83	1.03	Kv(i)	tfa Ss	p
LQ-118	7823314	480404	0.23	0.34	0.23	0.25	0.29	0.29	0.27	0.30	0.29	0.20	0.27	Kv(i)	Tf-lap Tf	p
LQ-120	7822760	479898	0.09	0.07	0.08	0.11	0.06	0.09	0.05	0.07	0.10	0.08	0.08	Kv(i)	Tf	a
LQ-122	7822704	479808	0.83	0.62	1.00	0.47	0.72	0.54	0.69	0.85	0.81	0.79	0.73	Kv(i)	And	
LQ-124	7821834	478894	0.07	1.76	0.62	1.27	0.99	1.27	0.98	0.99	3.42	3.35	1.47	Kv(i)	Tf	p
LQ-125	7821646	478664	0.09	0.15	0.1	0.12	0.11	0.09	0.11	0.10	0.11	0.08	0.11	Kv(i)	Tf, lap Tf, fine Tf	a
LQ-126	7821487	478675	0.45	0.41	0.37	0.47	0.54	0.48	0.35	0.47	0.28	0.50	0.43	Kv(i)	Tf-bre	p
LQ-128	7821224	478579	0.65	2.31	0.96	0.70	0.33	0.33	0.48	0.29	0.33	0.26	0.66	Kv(i)	alt rock	f
LQ-129	7820954	478477	0.22	0.20	0.31	0.23	0.18	0.28	0.20	0.33	0.27	0.25	0.25	Kv(i)	Tf-bre	p
LQ-130	7820740	478398	0.28	0.27	0.25	0.28	0.28	0.30	0.33	0.27	0.35	0.34	0.30	Kv(i)	Vol-bre	p
LQ-131	7822110	479297	0.57	0.55	0.62	0.41	0.35	0.47	0.49	0.53	0.80	0.60	0.54	Kv(i)	Vol-bre	p
LQ-155	7866115	459052	0.30	0.23	0.24	0.23	0.31	0.33	0.37	0.60	0.43	0.58	0.36	Kv(i)	Tf	
LQ-158	7864966	458535	1.98	1.49	2.54	2.21	1.13	2.77	6.46	3.23	2.62	3.45	2.79	Kv(i)	alt Bs	p
LQ-159	7867021	459359	0.59	0.31	0.17	0.35	0.24	0.21	0.21	0.29	0.28	0.36	0.30	Kv(i)	sdy Tf	
LQ-160	7867035	459356	7.60	14.9	19.1	16.7	18.2	11.2	6.17	8.43	14.1	12.4	12.9	Kv(i)	Bs	
LQ-161	7867410	459249	0.11	0.24	0.25	0.29	0.27	0.31	0.33	0.33	0.31	0.36	0.28	Kv(i)	Bs?	
LQ-164	7867145	459285	36.8	25.7	20.9	25.7	12.9	22.4	29.7	23.3	37.5	39.1	27.4	Kv(i)	Bs	
LQ-166	7867603	460033	3.76	6.16	11.0	3.39	12.6	5.45	9.86	6.14	5.57	10.9	7.48	Kv(i)	lap Tf	p
LQ-167	7867925	460132	5.22	22.0	15.7	16.1	11.4	17.5	4.11	12.8	15.5	12.4	13.3	Kv(i)	And	
LQ-169	7866518	459453	4.52	5.52	4.26	16.9	12.1	6.89	6.58	5.37	3.52	12.2	7.79	Kv(i)	And	p
LQ-171	7866371	459397	1.07	0.98	0.85	0.79	1.10	0.78	0.98	0.76	0.89	1.20	0.94	Kv(i)	alt rock(Tf?)	p
LQ-174	7865691	459273	1.45	1.73	1.11	1.60	1.95	0.77	0.94	1.24	1.97	1.17	1.39	Kv(i)	Trachyte?	p
LQ-175	7864950	458524	18.5	11.6	18.5	13.8	15.2	13.6	18.1	23.4	6.01	21.1	16.0	Kv(i)	Bs	s
LQ-178	7864612	457643	14.1	4.97	4.63	6.89	6.49	11.2	16.5	14.4	39.2	32.9	15.1	Kv(i)	Bs(micro Di?)	
LQ-180	7864517	457433	11.9	16.6	42.6	67.8	84.5	81.0	79.6	77.6	60.4	79.5	60.2	Kv(i)	Bs	s
LQ-181	7864421	457303	13.2	38.4	35.0	43.7	5.76	6.23	2.00	45.7	67.2	24.6	28.2	Kv(i)	Bs?	s
LQ-185	7864554	456733	0.16	0.14	0.18	0.19	0.18	0.14	0.16	0.11	0.10	0.20	0.16	Kv(i)	alt rock	f
LQ-186	7864550	456623	32.2	37.2	38.1	40.1	41.6	37.6	37.9	36.3	28.7	29.6	35.9	Kv(i)	And	
LQ-188	7864611	456335	26.5	18.4	23.3	7.42	37.3	24.2	27.0	27.9	29.1	24.7	24.6	Kv(i)	Bs	
LQ-189	7864426	456312	0.12	0.13	0.15	0.12	0.21	0.21	0.26	0.15	0.18	0.19	0.17	Kv(i)	Bs?	s
LQ-191	7864601	455747	0.50	0.56	0.45	0.38	0.48	0.66	0.43	0.49	0.18	0.56	0.47	Kv(i)	Bs?	s
LQ-192	7863956	453016	0.27	2.79	3.54	3.54	1.02	0.44	0.96	0.23	0.25	0.24	1.33	Kv(i)	And	
LQ-193	7863967	452933	0.68	0.40	0.65	0.22	0.35	0.27	0.57	0.47	0.54	0.19	0.43	Kv(i)	Tf	p
LQ-194	7863895	452646	3.79	2.40	2.22	1.44	3.75	3.82	4.12	1.33	3.32	1.87	2.81	Kv(i)	And	p
LQ-195	7863605	452918	0.25	0.25	0.26	0.24	0.28	0.28	0.25	0.27	0.23	0.24	0.26	Kv(i)	Tf, vol-bre	a
LQ-196	7863488	452913	6.98	4.19	3.72	6.45	10.6	9.31	10.1	8.91	5.94	9.37	7.56	Kv(i)	Trachyte?	p
LT-006	7701868	503082	0.35	0.33	0.31	0.31	0.41	0.34	3.31	0.28	0.41	0.39	0.64	Kv(i)	Tf-bre	
LT-007	7697618	506667	10.6	8.06	11.8	12.7	10.1	10.6	12.0	12.0	13.2	9.91	11.1	Kv(i)	And	
LT-008	7692451	507846	6.35	6.11	6.39	6.95	4.67	6.66	6.74	5.03	6.23	3.22	5.84	Kv(i)	And	
LT-012	7702319	501524	0.31	0.29	0.33	0.36	0.3	0.31	0.29	0.27	0.24	0.31	0.30	Kv(i)	And	
LT-013	7702390	505349	0.55	1.03	1.48	0.61	0.64	1.10	0.85	0.49	0.59	0.75	0.81	Kv(i)	Tf-bre	
LT-014	7695874	506344	0.10	0.13	0.10	0.21	0.12	0.11	0.17	0.15	0.13	0.17	0.14	Kv(i)	Da	s
LT-015	7692497	508732	6.54	7.94	7.23	9.35	9.73	8.43	6.51	9.38	12.3	6.23	8.36	Kv(i)	And	
LT-023	7683132	526964	0.08	0.09	0.07	0.08	0.06	0.08	0.07	0.06	0.07	0.05	0.07	Kv(i)	da Tf	s
LT-024	7682356	525789	0.06	0.08	0.08	0.12	0.09	0.07	0.05	0.11	0.07	0.08	0.08	Kv(i)	Qz-po	
LT-025	7681926	524623	0.11	0.07	0.09	0.07	0.06	0.08	0.10	0.06	0.07	0.08	0.08	Kv(i)	Tf-bre	s
LT-028	7684709	529983	0.15	0.10	0.21	0.17	0.16	0.15	0.18	0.22	0.23	0.15	0.17	Kv(i)	And?	
LT-038	7704020	522264	0.16	0.31	0.24	0.33	0.21	0.14	0.33	0.16	0.12	0.07	0.21	Kv(i)	and Tf	s
LT-039	7704462	522378	5.75	4.72	7.90	4.20	7.27	9.55	4.15	6.43	6.31	4.84	6.11	Kv(i)	And	
LT-056	7802084	452189	0.32	3.43	15.3	0.39	0.56	8.80	18.3	1.48	6.12	0.73	5.54	Kv(i)	And	p
LT-058	7803221	453268	0.23	0.13	0.24	0.23	0.21	0.21	0.36	0.27	0.26	0.18	0.23	Kv(i)	hard Shale	
LT-059	7803223	453358	0.19	0.19	0.16	0.18	0.14	0.15	0.15	0.13	0.19	0.14	0.16	Kv(i)	Shale	
LT-060	7804213	454768	0.20	0.20	0.25	0.23	0.18	0.23	0.33	0.23	0.22	0.26	0.23	Kv(i)	Tf-bre	
LT-061	7803916	457101	0.09	0.09	0.12	0.14	0.14	0.09	0.11	0.16	0.28	0.35	0.16	Kv(i)	Ss	
LT-064	7804006	461633	3.42	1.03	3.48	2.85	3.40	4.72	3.97	3.43	4.04	6.76	3.71	Kv(i)	Ss	s
LT-065	7803964	461957	0.57	0.63	0.41	0.59	0.44	0.39	0.35	0.60	0.67	1.05	0.57	Kv(i)	sili rock	a
LT-069	7804220	463049	0.27	0.09	0.10	0.10	0.09	0.12	0.12	0.09	0.06	0.11	0.12	Kv(i)	Ss	o
LT-074	7804090	464780	0.15	0.20	0.18	0.17	3.62	0.17	1.15	0.18	1.81	0.18	0.78	Kv(i)	And	o
LT-076	7804793	464348	16.0	8.70	8.14	12.9	21.1	23.1	10.7	18.6	11.4	21.6	15.2	Kv(i)	And	s
LT-077	7825564	483354	6.19	15.9	5.09	2.08	0.44	8.87	5.08	13.2	4.84	17.6	7.93	Kv(i)	Ss	f
LT-079	7825423	482866	0.27	0.34	0.40	0.35	0.32	0.35	0.27	0.27	0.32	0.36	0.33	Kv(i)	Ss～Ms	
LT-080	7825294	482540	10.1	14.4	8.67	3.45	5.85	2.16	0.76	4.91	0.93	3.43	5.47	Kv(i)	Ss	p
LT-081	7824778	481638	0.40	0.30	0.25	0.30	0.24	0.38	0.38	0.32	0.38	0.35	0.33	Kv(i)	Ss	p
LT-086	7811692	476375	5.89	5.45	5.37	3.16	1.38	3.36	1.01	1.02	1.02	2.65	3.03	Kv(i)	Ss	
LT-088	7811902	477773	17.3	20.0	18.6	24.0	23.9	24.3	17.9	24.0	21.7	22.1	21.4	Kv(i)	Cgl	
LT-089	7813050	482351	21.1	17.7	20.6	14.5	16.2	21.4	9.91	31.6	26.0	23.4	20.2	Kv(i)	And bre	
LT-090	7813199	485050	30.3	21.3	17.3	15.7	24.8	31.5	12.6	30.3	21.3	40.3	24.5	Kv(i)	And bre	
LT-092	7823891	481089	0.53	0.94	0.31	0.29	0.40	0.58	0.43	0.29	0.28	0.29	0.43	Kv(i)	Tuff	
LT-093	7830814	475831	0.13	0.13	0.12	0.11	0.11	0.07	0.09	0.18	0.14	0.13	0.12	Kv(i)	da bre	
LT-094	7830875	475952	0.75	0.89	0.90	1.08	1.91	1.05	0.91	0.68	1.34	0.72	1.02	Kv(i)	sili bre	s
LT-095	7831144	476504	0.99	0.34	0.40	0.46	0.39	0.93	0.42	0.31	0.32	1.30	0.59	Kv(i)	And	
LT-097	7831280	477434	1.07	1.80	1.09	0.44	0.98	1.30	0.79	1.22	0.60	0.69	1.00	Kv(i)	sili rock	s
LT-099	7838278	477211	11.2	11.5	13.1	11.0	12.2	12.4	12.0	12.1	11.2	11.0	11.8	Kv(i)	Da	
LV-001	7808332	470456	7.64	9.72	0.00	2.34	0.76	13.3	5.77	11.9	3.13	4.18	5.87	Kv(i)	And	p
LV-004	7805186	465606	2.17	18.80	16.8	28.6	2.98	5.33	15.4	7.06	39.0	31.9	16.8	Kv(i)	And	p
LV-005	7805186	465610	15.2	12.6	18.2	13.6	14.6	12.8	13.4	15.40	10.3	11.4	13.8	Kv(i)	And	p
LV-006	7805133	465685	22.5	26.4	32.0	24.9	33.0	26.3	23.0	25.6	32.8	29.7	27.6	Kv(i)	And	p
LV-008	7804953	465817	4.07	7.84	12.9	12.0	9.12	17.1	5.83	16.7	20.0	10.7	11.6	Kv(i)	And	p
LV-009	7804844	465863	9.98	14.5	12.7	10.9	18.8	5.23	9.94	10.2	11.2	14.2	11.8	Kv(i)	And	p
LV-010	7804768	465992	8.93	5.08	7.55	4.77	17.8	20.8	23.7	17.7	8.51	32.2	14.7	Kv(i)	And	p
LV-011	7804669	466095	1.79	1.84	2.42	1.44	1.35	4.62	5.67	1.81	1.15	2.79	2.49	Kv(i)	Vol-bre	p
LV-012	7804616	466120	12.5	15.8	6.68	11.5	19.2	15.7	15.1	4.06	8.67	12.7	12.2	Kv(i)	And	p
LV-013	7804616	466130	6.85	1.45	1.54	0.78	0.79	8.09	1.21	0.88	0.88	0.97	2.34	Kv(i)	And-Da	p

AP-56 Results of in situ Magnetic Susceptibility Measurement (9/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LV-014	7804512	466275	1.10	0.66	0.68	0.87	0.79	0.72	0.63	0.74	1.18	0.77	0.81	Kv(i)	And-Da	p
LV-015	7804400	466560	1.86	3.68	1.79	1.51	1.39	1.02	0.95	1.34	1.20	1.25	1.60	Kv(i)	And-Da	p
LV-016	7804357	466745	0.94	0.96	1.24	0.96	1.11	1.03	1.07	0.99	1.79	2.03	1.21	Kv(i)	And-Da	p
LK-060-2	7787753	479516	0.10	0.14	0.11	0.14	0.12	0.09	0.14	0.12	0.09	0.16	0.12	Kv(i)	volcaniclastics	p
LK-077	7803869	487148	0.39	0.42	0.35	0.53	0.44	0.36	0.29	0.58	0.67	0.88	0.49	Kv(i)	vol Cgl	p
LK-078	7803875	487116	0.06	0.08	0.07	0.08	0.05	0.06	0.07	0.02	0.03	0.05	0.06	Kv(i)	And	f
LK-079	7803899	485750	12.9	6.78	15.3	18.0	12.2	10.4	9.39	2.73	11.7	6.90	10.6	Kv(i)	Vol-bre	
LK-080	7803463	482145	0.24	0.36	0.26	0.16	0.16	0.23	0.17	0.33	0.24	0.29	0.24	Kv(i)	Vol-bre	
LK-081	7803222	481517	2.92	0.32	1.53	1.07	2.23	0.21	0.22	1.34	0.34	0.18	1.04	Kv(i)	Vol-bre	p
LK-082	7802976	481200	0.03	0.04	0.01	0.04	0.04	0.07	0.09	0.06	0.06	0.12	0.06	Kv(i)	alt vol r	f
LK-083	7803607	484933	13.4	18.1	15.5	17.8	14.1	19.2	24.7	8.40	21.8	16.4	16.9	Kv(i)	Tf-bre	p
LK-084	7803536	482893	0.49	4.05	6.47	3.44	16.2	3.81	1.04	2.07	3.48	0.92	4.20	Kv(i)	vol Cgl	p
LK-085	7803461	481846	0.67	0.72	0.66	0.40	0.84	0.49	0.76	0.96	0.96	0.88	0.73	Kv(i)	vol Cgl	p
LK-092	7829894	475226	0.27	0.30	0.41	0.39	0.39	0.33	0.26	0.37	0.33	0.37	0.34	Kv(i)	Tf-bre	p
LK-093	7829852	475589	0.10	0.11	0.09	0.20	0.16	0.20	0.19	0.18	0.25	0.17	0.17	Kv(i)	Tf-bre	p
LK-094	7829873	475851	0.08	0.11	0.47	0.12	0.17	0.13	0.13	0.15	0.16	0.14	0.17	Kv(i)	Tf-bre	p
LK-095-1	7829862	475941	0.02	0.03	0.11	0.07	0.10	0.04	0.02	0.06	0.02	0.03	0.05	Kv(i)	Rhy	f
LK-095-2	7829862	475941	0.64	1.45	0.58	1.57	1.02	0.27	1.17	1.10	0.72	1.48	1.00	Kv(i)	And	
LK-096	7829846	476097	0.06	0.06	0.08	0.05	0.06	0.08	0.07	0.08	0.11	0.08	0.07	Kv(i)	Rhy	f
LK-098	7829984	476607	12.0	28.9	10.4	21.9	6.18	5.66	15.7	4.87	3.05	9.00	11.8	Kv(i)	and Tf-bre	
LK-168	7864534	445973	4.04	4.03	17.2	8.81	6.16	4.57	20.0	11.8	4.74	15.7	9.71	Kv(i)	And	
LK-169	7864634	444399	0.17	0.09	0.12	0.12	0.10	0.10	0.11	0.08	0.11	0.14	0.11	Kv(i)	And	
LK-170	7863978	451617	0.21	0.18	0.24	0.25	0.23	0.19	0.20	0.25	0.22	0.22	0.22	Kv(i)	And	f
LK-172	7863850	451933	25.8	31.0	12.0	31.0	20.9	25.7	27.1	31.0	24.8	30.4	26.0	Kv(i)	Bs-And	p
LK-173	7863705	451707	0.38	0.48	0.25	0.44	0.33	0.47	0.29	0.23	0.41	0.34	0.36	Kv(i)	And	
LK-207	7905756	435088	0.48	0.41	0.46	0.63	0.41	0.59	1.20	0.99	0.40	0.47	0.60	Kv(i)	Bs-And	p
LK-059	7788600	481502	0.97	1.26	1.01	1.08	0.99	0.70	0.58	0.51	0.86	1.05	0.90	Kv(i)?	Tuff or tfa Ss.	
LK-073	7782655	475500	0.18	0.20	0.23	0.28	0.22	0.24	0.19	0.23	0.19	0.22	0.22	Kv(i)?	And	p
LK-102	7831312	482601	10.2	9.58	35.2	30.0	11.2	21.1	12.1	26.3	26.0	18.7	20.0	Kv(i)?	meta-Ss	
LK-104	7831166	482732	10.2	9.49	15.6	12.6	22.3	11.1	11.3	8.63	8.53	12.8	12.3	Kv(i)?	silicified rock	s
LK-108	7831277	483036	14.1	28.7	11.1	18.2	15.2	7.49	17.9	18.1	8.21	5.15	14.4	Kv(i)?	meta-Silts	
LK-110	7831255	482745	16.4	12.2	10.2	11.0	20.6	0.75	0.26	0.22	0.17	0.18	7.20	Kv(i)?	meta-sediments	s
LK-111-1	7830668	482745	0.64	0.23	0.44	2.20	0.57	0.64	0.90	0.29	1.10	0.46	0.75	Kv(i)?	meta-vol. bre.	f
LK-111-2	7830668	482745	6.39	4.39	2.60	2.70	1.67	0.85	1.14	5.31	1.95	1.17	2.82	Kv(i)?	Bs	
LK-114	7830545	482820	1.63	1.98	2.05	1.72	3.02	2.80	2.01	2.34	1.94	2.17	2.17	Kv(i)?	meta-volcanics	
LK-117	7830592	482948	1.32	0.98	1.92	1.05	1.04	4.16	2.40	1.17	1.16	1.28	1.65	Kv(i)?	silicified rock	s
LK-137	7831024	484124	4.03	4.39	3.23	4.48	3.25	1.96	3.48	2.32	4.53	3.81	3.55	Kv(i)?	meta-Bs	
LK-140	7830981	483251	34.5	18.8	51.4	20.6	22.9	57.0	37.3	41.3	51.1	31.0	36.6	Kv(i)?	meta-Bs	s
LK-180	7862780	450576	4.99	17.6	8.10	10.5	13.7	5.01	26.4	26.7	22.6	9.36	14.5	Kv(i)?	Bs-And	p
LK-293-1	7975802	426368	0.65	0.57	0.48	0.59	0.52	0.58	0.56	0.55	0.65	0.72	0.59	Kv(i)?	meta-And	f
LK-293-2	7975802	426368	0.53	0.53	0.87	0.44	0.37	0.18	0.55	0.25	0.26	0.58	0.46	Kv(i)?	alt-meta-And	f
LK-069	7800819	487364	0.15	0.22	0.19	0.16	0.15	0.67	0.78	0.49	0.32	0.28	0.34	Kv(m) or Kv(i)	And	f
LT-016	7690693	515721	0.08	0.09	0.08	0.15	0.11	0.11	0.12	0.10	0.13	0.11	0.11	Kv(m)	And	
LT-017	7691614	517200	0.17	0.11	0.18	0.16	0.15	0.19	0.14	0.13	0.08	0.13	0.14	Kv(m)	Tuff	
LT-019	7690732	520990	5.44	6.63	3.79	3.39	2.55	3.83	2.53	4.28	5.69	4.77	4.29	Kv(m)	Tf-bre	
LT-020	7687427	524029	3.96	3.85	3.43	4.59	4.28	3.47	5.73	11.6	11.5	11.7	6.41	Kv(m)	and Tf	
LT-021	7684771	524250	7.90	6.96	18.8	11.1	10.2	17.7	18.6	22.8	7.53	12.8	13.4	Kv(m)	Andtic r	
LT-022	7692240	518329	0.10	0.05	0.39	0.14	0.18	0.22	0.33	0.32	0.27	0.69	0.27	Kv(m)	Andtic r	
LT-030	7685521	528485	0.74	0.92	0.63	0.39	0.47	0.73	0.38	0.59	0.39	0.77	0.60	Kv(m)	And	
LT-031	7686458	529525	0.19	0.13	0.11	0.05	0.28	0.18	0.05	0.05	0.10	0.06	0.12	Kv(m)	and Tf	
LT-032	7688547	529090	11.0	14.9	15.3	12.0	12.1	11.0	8.31	10.5	13.1	14.7	12.3	Kv(m)	And	
LT-033	7691285	526615	3.01	1.18	2.02	1.28	1.30	2.20	2.36	1.53	1.68	2.68	1.92	Kv(m)	And?	o
LT-034	7694214	525908	42.7	67.7	41.7	52.3	23.8	36.3	67.4	70.7	56.9	50.8	51.0	Kv(m)	And	f
LT-035	7695115	526020	0.03	0.04	0.10	0.08	0.05	0.12	0.09	0.06	0.05	0.03	0.07	Kv(m)	da Tf	s
LK-024	7678807	524024	0.17	0.19	0.18	0.12	0.13	0.16	0.10	0.14	0.16	0.13	0.15	Kv(m)	Rhy	
LK-027	7680883	518430	0.10	0.11	0.12	0.12	0.09	0.11	0.13	0.09	0.09	0.13	0.11	Kv(m)	And?	f
LK-028	7675427	524818	0.18	0.12	0.09	0.11	0.26	0.09	0.24	0.34	0.14	0.10	0.17	Kv(m)	Rhy	f
LK-029	7675138	527336	156	94.0	138	97.7	95.0	50.7	84.0	75.5	79.1	45.3	91.5	Kv(m)	Bs?	p
LK-034	7675970	531626	3.10	2.09	1.99	1.42	1.33	3.16	1.81	1.90	1.69	2.23	2.07	Kv(m)	And	f
LK-037	7674832	536759	0.45	0.46	0.77	5.19	1.79	13.7	7.58	26.6	6.11	8.05	7.07	Kv(m)	And	f
LK-038	7675901	537149	10.2	14.1	8.07	4.81	5.39	4.59	10.7	4.22	7.26	7.03	7.64	Kv(m)	And	p
LK-039	7676248	537836	0.12	0.12	0.11	0.11	0.12	0.11	0.08	0.10	0.12	0.09	0.11	Kv(m)	Rhy?	
LK-049	7796585	495369	6.84	11.1	9.41	7.59	8.49	8.77	8.03	11.0	7.13	11.9	9.03	Kv(m)	And?	p
LK-050	7794754	495561	0.22	0.24	0.22	0.23	0.20	0.23	0.19	0.23	0.24	0.23	0.22	Kv(m)	And	p
LK-064-1	7798876	491377	1.27	1.85	1.47	2.56	1.68	2.52	2.34	2.63	2.86	2.24	2.14	Kv(m)	Vol-bre	
LK-064-2	7798876	491377	1.22	0.85	1.36	4.84	3.48	0.40	0.96	0.50	0.34	0.94	1.49	Kv(m)	Tuff	
LK-076	7804139	487620	4.08	5.93	5.53	3.10	8.55	5.80	2.76	7.50	3.19	4.54	5.10	Kv(m)	And	p
LK-063	7799269	492840	0.37	0.39	0.44	0.30	0.30	0.45	0.39	0.34	0.57	0.68	0.42	Kv(m)?	fine tfa Ss	
LQ-008	7746495	492366	17.9	17.7	19.0	18.2	18.7	18.8	18.7	18.7	19.2	19.1	18.6	Kv(s)	And	
LQ-264	7973748	470189	16.1	17.0	15.6	14.4	16.3	15.8	15.3	13.7	15.9	14.4	15.5	Kv(s)	Da	
LQ-265	7973497	470100	1.04	1.26	1.27	1.04	0.89	0.84	1.27	1.09	1.07	0.90	1.07	Kv(s)	Da	
LQ-281	7972531	443018	1.28	0.10	0.19	0.18	0.28	0.21	0.08	0.12	0.13	0.16	0.27	Kv(s)	alt Bs	s
LQ-283	7972642	443065	62.2	68.9	28.3	66.2	48.0	54.5	50.0	47.1	46.0	47.5	51.9	Kv(s)	alt Bs	s
LT-182	7947099	449484	0.08	0.12	0.09	0.10	0.08	0.08	0.08	0.10	0.09	0.10	0.09	Kv(s)	And	
LT-186	7949158	447472	0.32	0.33	0.34	0.39	0.36	0.32	0.36	0.39	0.32	0.35	0.35	Kv(s)	And	
LT-187	7953067	446360	8.89	7.31	8.88	8.58	7.63	8.68	8.50	6.32	5.69	10.0	8.05	Kv(s)	pum Tf	
LT-189	7956181	444528	0.16	0.13	0.17	0.16	0.14	0.20	0.17	0.18	0.19	0.11	0.16	Kv(s)	pum Tf	
LT-190	7958363	446219	1.67	1.43	1.68	1.74	1.81	2.06	3.09	2.52	2.63	2.65	2.13	Kv(s)	da-Tf	
LT-198	7971813	444366	38.0	37.0	33.5	23.7	18.7	16.0	42.4	34.0	24.2	35.7	30.3	Kv(s)	And	
LT-208	7962477	444137	12.2	11.1	10.6	5.19	7.12	5.61	7.86	12.0	4.74	13.8	9.02	Kv(s)	Tf-bre	
LT-211	7965026	445606	2.10	2.80	3.20	4.14	13.3	0.08	0.09	0.14	0.06	0.15	2.61	Kv(s)	Ss	
LT-213	7967302	442155	3.25	3.05	3.08	3.09	2.69	2.89	3.73	2.39	2.13	2.85	2.92	Kv(s)	Tf-bre	
LT-216	7969423	441725	0.31	0.50	1.08	0.64	0.49	0.55	0.35	0.41	0.66	0.48	0.55	Kv(s)	And	f
LT-217	7970601	441612	0.28	0.17	0.23	0.27	0.23	0.12	0.18	0.28	0.39	0.28	0.24	Kv(s)	sili rock	f
LT-219	7972326	439789	0.52	0.48	1.89	1.92	0.35	2.17	2.05	2.49	1.74	1.79	1.54	Kv(s)	And	f

AP-56 Results of in situ Magnetic Susceptibility Measurement (10/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LT-226	7971856	441680	0.28	0.18	0.22	0.25	0.37	0.19	0.23	0.30	0.19	0.32	0.25	Kv(s)	sili rock	s
LT-227	7971906	441865	0.95	1.53	3.92	1.66	1.73	1.63	0.88	11.0	13.9	2.15	3.94	Kv(s)	Tuff	s
LT-228	7972148	441968	14.5	7.26	8.35	2.75	9.05	14.7	18.2	17.5	16.3	8.48	11.7	Kv(s)	And	
LK-243-1	7987312	443267	0.29	0.33	0.37	0.32	0.30	0.30	0.32	0.32	0.33	0.29	0.32	Kv(s)	And	p
LK-243-2	7987312	443267	0.17	0.13	0.19	0.20	0.14	0.15	0.16	0.27	0.20	0.15	0.18	Kv(s)	And	p
LK-246	7985243	442475	1.47	1.38	1.27	1.66	1.74	1.38	2.27	1.63	1.42	1.72	1.59	Kv(s)	Tuff	p
LK-249	7976580	437497	0.38	0.43	0.31	0.37	0.41	0.36	0.26	0.32	0.20	0.29	0.33	Kv(s)	And	w
LK-271	7972325	443354	18.5	28.9	42.9	14.1	16.3	30.5	17.6	36.7	45.1	41.9	29.3	Kv(s)	And?	p
LK-272	7972347	443409	0.00	0.02	0.01	0.01	0.00	0.01	0.03	0.05	0.04	0.02	0.02	Kv(s)	alt Rhy?	f
LQ-262	7972350	469154	17.1	15.0	17.0	15.9	16.0	17.8	14.6	20.2	21.1	14.0	16.9	Kv(s)?	Rhy/Da	
LQ-266	7969549	467386	16.0	17.7	18.1	20.4	21.2	19.7	20.8	18.0	17.1	20.6	19.0	Kv(s)?	Da	
LK-245	7984779	441805	0.13	0.06	0.06	0.05	0.07	0.07	0.03	0.09	0.12	0.09	0.08	Kv(s)?	alt rock	f
LK-247	7982366	441229	3.22	3.77	1.53	1.40	2.66	1.78	2.93	1.76	3.03	2.2	2.43	Kv(s)?	alt vol r	p
LK-279	7972946	444061	31.6	51.4	32.6	20.6	62.2	44.4	34.7	40.3	32.3	39.8	39.0	Kv(s)?	Bs?	s
LK-288-2	7973525	445166	27.9	37.5	15.8	24.2	25.5	24.5	28.7	30.9	36.5	33.9	28.5	Kv(s)?	Bs bre	
LS-009	7686398	490610	0.56	0.61	0.61	0.79	0.90	0.94	0.69	0.75	0.57	0.71	0.71	Kc(i)	sdy Shale	
LS-017	7773144	484117	0.07	0.10	0.22	0.22	0.22	0.12	0.09	0.10	0.16	0.11	0.14	Kc(i)	Shale	
LS-075	7840057	479379	0.50	0.45	0.43	0.39	0.83	0.46	0.47	0.51	0.50	0.53	0.51	Kc(i)	Tf, vol-Cgl	p
LS-086	7828623	477153	4.8	3.69	3.34	3.13	7.69	8.77	5.06	5.96	3.24	1.02	4.67	Kc(i)	Tfa Ss	p
LS-096	7860976	446367	0.61	0.85	1.05	1.11	0.81	0.26	0.28	0.33	0.35	0.46	0.61	Kc(i)	tfa Shale	p
LS-099	7861109	447776	0.32	0.30	0.28	0.56	0.26	0.27	0.29	0.40	0.34	0.34	0.34	Kc(i)	Ss	o
LS-102	7861889	448100	0.35	0.65	0.43	0.36	0.49	0.35	0.31	0.50	0.38	0.33	0.42	Kc(i)	Shale	s
LS-146	7973616	410052	1.06	0.77	0.81	0.69	0.58	0.97	0.84	0.89	0.59	0.85	0.81	Kc(i)	And	p
LS-147	7973856	410795	0.66	0.91	0.54	0.80	0.77	0.81	0.75	0.56	0.75	0.57	0.71	Kc(i)	Tf	p
LQ-093	7832112	480174	0.50	0.36	0.49	0.51	0.55	0.47	0.42	0.66	0.39	0.41	0.48	Kc(i)	Ms	s
LQ-094	7832067	479959	0.51	0.40	0.45	0.41	0.42	0.33	0.32	0.44	0.41	1.56	0.53	Kc(i)	Ms	s
LQ-095	7831968	479952	0.32	0.31	0.34	0.31	0.35	0.33	0.34	0.36	0.33	0.27	0.33	Kc(i)	Hornfels	s
LQ-096	7831767	479874	0.34	1.00	0.41	0.46	0.61	0.44	0.68	0.52	0.33	0.54	0.53	Kc(i)	Ms	s
LQ-100	7831874	480229	0.23	0.29	1.37	0.50	0.12	0.22	0.25	0.36	0.31	0.33	0.40	Kc(i)	Ms	s
LQ-101	7831801	480274	0.22	0.11	0.15	0.15	0.10	0.14	0.16	0.11	0.12	0.14	0.14	Kc(i)	Ss?	s
LT-082	7824126	480745	0.91	0.79	1.08	1.12	1.74	1.30	0.70	0.94	1.15	0.61	1.03	Kc(i)	fine Ss	
LT-237	7958328	413065	0.60	0.93	1.02	0.87	0.62	1.38	5.24	3.17	0.61	1.08	1.55	Kc(i)	Ss	
LK-157	7840087	469744	0.05	0.04	0.04	0.07	0.06	0.13	0.06	0.13	0.16	0.14	0.09	Kc(i)	Ss, Silts	
LS-112	7861620	448337	0.34	0.47	0.35	0.33	0.54	0.19	0.99	0.48	0.31	0.78	0.48	Kc(i)?	Sil r	s
LK-018	7770040	492847	0.73	1.85	0.93	0.58	0.30	0.62	0.69	0.30	0.80	0.39	0.72	Kc(i)?	metased.	tou
LK-019	7769148	493757	2.36	4.90	1.62	1.67	5.41	0.72	1.39	1.66	3.89	1.47	2.51	Kc(i)?	metased.	o
LK-021	7766305	493791	0.23	1.68	2.49	1.84	2.47	0.28	0.19	0.19	0.28	0.32	1.00	Kc(i)?	Ss?	
LS-010	7686361	492694	0.14	0.12	0.13	0.11	0.16	0.14	0.11	0.14	0.13	0.13	0.13	Jc(s)	Ss, Silts	
LS-011	7686059	493894	0.15	0.13	0.22	0.22	0.19	0.13	0.19	0.18	0.18	0.20	0.18	Jc(s)	Ss, Shale	
LS-021	7686053	507200	3.77	6.49	4.21	0.08	0.11	0.11	3.16	2.18	6.22	4.62	3.10	Jc(s)	Shale	
LS-022	7686178	506521	0.31	0.32	0.28	0.30	0.50	0.29	0.28	0.31	0.16	0.43	0.32	Jc(s)	Ss, Shale	
LS-023	7684855	503427	0.65	0.62	0.78	0.73	0.58	0.64	0.52	0.63	0.63	0.62	0.64	Jc(s)	Shale	
LS-024	7686197	513547	0.14	0.18	0.15	0.14	0.14	0.18	0.17	0.17	0.17	0.15	0.16	Jc(s)	Ss	p
LS-026	7682546	514431	1.59	1.44	0.67	0.40	0.77	2.05	2.46	0.42	2.82	2.23	1.49	Jc(s)	Ss, Cgl	
LS-027	7682439	514581	0.32	0.39	0.33	0.27	0.47	0.33	0.35	0.36	0.29	0.24	0.34	Jc(s)	Cgl	
LS-028	7682516	514706	0.38	0.31	0.39	0.24	0.39	0.19	0.33	0.32	0.22	0.21	0.30	Jc(s)	Ss	
LS-033	7680445	514984	6.17	4.65	8.21	10.8	9.13	4.15	6.02	6.92	7.74	5.71	6.95	Jc(s)	Ss	p
LS-036	7681373	513518	31.9	27.4	41.8	22.8	22.6	27.2	40.8	10.7	13.2	27.1	26.6	Jc(s)	Shale	p
LS-037	7682109	513352	0.71	7.67	0.80	0.44	0.53	4.67	0.51	0.45	2.05	0.58	1.84	Jc(s)	Shale	p
LS-038	7682310	512232	0.17	0.17	0.18	0.10	0.16	0.15	0.14	0.13	0.18	0.15	0.15	Jc(s)	Shale	p
LQ-037	7686500	512900	0.30	0.43	0.42	0.30	0.21	0.13	0.20	0.17	0.19	0.21	0.26	Jc(s)	Ms/Silts	
LS-148	7973973	411453	0.51	0.45	0.46	0.48	0.57	0.85	0.50	0.40	0.47	0.53	0.52	Jm(m)	Shale	
LS-149	7973981	411464	0.53	0.50	0.64	0.82	0.79	0.63	1.60	0.66	0.71	0.72	0.76	Jm(m)	Da Tf	p
LK-308	7957251	416230	0.51	2.19	9.69	3.23	7.09	0.60	1.62	0.81	0.21	7.90	3.39	Jm(m)	meta-sed./Gd	
LT-002	7700120	492617	0.19	0.18	0.20	0.19	0.19	0.21	0.17	0.22	0.18	0.19	0.19	Jm(s)	Ss	
LT-003	7700036	498200	1.01	0.98	0.99	1.01	0.67	1.17	0.94	0.96	1.03	0.65	0.94	Jm(s)	Shale	
LT-004	7700106	499002	0.07	0.09	0.10	0.08	0.26	0.15	0.44	0.29	0.07	0.18	0.17	Jm(s)	Shale	
LT-005	7701434	499100	0.07	0.09	0.08	0.11	0.09	0.10	0.14	0.07	0.13	0.08	0.10	Jm(s)	Shale	
LT-010	7701008	499470	0.17	0.22	0.17	0.19	0.20	0.19	0.16	0.14	0.14	0.13	0.17	Jm(s)	Ss	
LK-001	7718143	489915	0.06	0.14	0.13	0.14	0.15	0.21	0.11	0.13	0.20	0.14	0.14	Jm(s)	Ss	
LK-051	7793632	494357	0.03	0.05	0.03	0.05	0.06	0.05	0.04	0.05	0.01	0.04	0.04	Jm(s)	Ss, Cgl	
LK-052	7792966	492678	0.07	0.08	0.05	0.11	0.07	0.09	0.09	0.05	0.03	0.08	0.07	Jm(s)	alt Ss. & Tuff (Cgl)	
LK-053	7792362	492358	0.10	0.23	0.22	0.18	0.20	0.22	0.17	0.24	0.13	0.20	0.19	Jm(s)	red Tuff, Ss	
LK-070	7800789	487417	0.34	0.36	0.73	1.33	1.35	1.12	1.94	0.63	2.83	0.72	1.14	Jm(s)	vol Ss	p
LK-071	7800179	489993	0.33	0.35	0.28	0.37	0.25	0.24	0.25	0.27	0.29	0.32	0.30	Jm(s)	grn fine Ss.	
LK-045	7798645	495695	0.11	0.04	0.05	0.02	0.05	0.03	0.05	0.08	0.08	0.13	0.06	Jm(s)?	alt rock	f
LK-061	7800271	495018	13.3	18.1	6.47	18.5	15.0	9.81	31.3	21.8	24.8	19.1	17.8	Jm(s)?	Bs	
LK-086	7803382	481785	0.06	0.06	0.07	0.07	0.06	0.14	0.13	0.11	0.19	0.08	0.10	Jm(s)?	altn Ss & Ms	
LK-087	7802971	481276	0.01	0.03	0.05	0.04	0.10	0.07	0.05	0.00	0.06	0.06	0.05	Jm(s)?	altn Ss & Ms	f
LQ-038	7686474	513245	43.2	43.2	35.8	26.9	38.4	38.3	37.9	47.2	26.3	36.9	37.4	Jv(i)	meta-Bs?	p
LT-009	7697614	446652	0.15	0.12	0.16	0.16	0.23	0.13	0.14	0.16	0.16	0.15	0.16	Jv(i)	sili rock	s
LT-011	7702418	499640	0.06	0.07	0.05	0.02	0.08	0.09	0.06	0.04	0.04	0.07	0.06	Jv(i)	Da	s
LT-057	7802603	452683	11.9	8.38	3.87	11.9	9.85	8.92	11.7	7.73	10.1	5.04	8.94	Jv(i)	And	
LK-002	7718122	488928	17.6	24.9	28.6	37.6	31.3	32.8	47.3	28.7	26.5	16.1	29.1	Jv(i)	And?	
LK-033	7675508	530622	0.32	1.35	0.42	0.47	1.00	1.05	0.53	0.70	1.14	2.53	0.95	Jv(i)	rhy?	
LK-035	7674676	533991	5.97	5.48	12.2	3.92	5.49	7.50	3.46	4.21	4.27	3.83	5.63	Jv(i)	And?	p
LT-026	7683644	528713	0.01	0.02	0.04	0.04	0.06	0.06	0.04	0.03	0.08	0.05	0.04	Jv(m)	Da	
LT-027	7682958	528835	0.10	0.04	0.05	0.06	0.07	0.06	0.09	0.06	0.07	0.08	0.07	Jv(m)	and Tf	o
LT-029	7683021	531934	0.07	0.05	0.09	0.07	0.05	0.10	0.02	0.06	0.07	0.05	0.06	Jv(m)	And	
LT-037	7699493	524578	0.12	0.06	0.13	0.22	0.07	0.19	0.17	0.40	0.22	0.33	0.19	Pzg	G	p
LK-023	7679948	520917	20.2	16.6	15.7	17.1	20.3	12.8	14.6	10.4	15.7	20.6	16.4	Pzg	Di	
LK-155-2	7836951	465916	0.34	0.11	0.28	0.45	0.30	0.03	0.29	0.47	0.31	0.30	0.29	Pz(s)	grn schist	
LK-156	7837869	467969	0.18	0.14	0.21	0.20	0.21	0.16	0.18	0.19	0.16	0.19	0.18	Pz(s)	black Schist	
LK-158	7840020	469166	0.44	0.38	0.32	0.31	0.12	0.21	0.54	0.27	0.32	0.24	0.32	Pz(s)	grn schist	
LK-155-1	7836951	465916	0.09	0.05	0.08	0.09	0.26	0.07	0.10	0.12	0.14	1.48	0.25	Pz(s)?	dike	f

AP-56 Results of in situ Magnetic Susceptibility Measurement (11/11)

Outcrop No.	Coordinate		Susceptibility ($\times 10^{-3}$ SI unit)											Rock Facies		Alteration Type
	N	E	1	2	3	4	5	6	7	8	9	10	average	Formation/Intrusive	Rock name	
LT-180	7947340	448682	0.29	0.33	0.23	0.22	0.30	0.29	0.34	0.34	0.27	0.36	0.30	pC	Qz-schist	
LT-181	7942486	450890	0.13	0.12	0.11	0.11	0.16	0.14	0.11	0.19	0.14	0.14	0.14	pC	Di	p
LT-192	7962347	446526	0.37	0.45	0.42	0.63	0.38	0.50	0.19	0.27	0.33	0.45	0.40	pC	Gneiss	
LT-209	7962746	446552	0.52	1.64	0.88	0.46	0.63	0.90	0.61	0.50	0.57	0.54	0.73	pC	Gneiss	
LT-210	7963590	446577	47.3	80.1	45.8	71.0	67.8	59.3	55.1	57.1	67.8	65.1	61.6	pC	Serpentinite	
LT-087	7811676	477045	14.8	14.4	19.8	28.1	31.2	30.5	27.4	30.6	16.8	15.1	22.9	dyke	And	
LT-191	7962395	446447	21.7	18.6	24.2	23.5	26.7	25.8	21.4	23.7	23.8	21.5	23.1	dyke	And	
LT-188	7954368	445923	21.7	22.6	19.3	16.7	16.2	20.0	23.6	21.7	17.8	21.5	20.1	dyke	And	
LK-060-1	7787753	479516	16.9	21.6	14.1	15.3	11.4	9.82	7.69	3.69	6.09	6.66	11.3	di (Post-K)	And	p
LS-063	7805261	466408	7.29	9.97	10.2	5.63	5.49	3.16	8.57	4.25	7.93	5.46	6.80	vein	Bar v	p
LS-068	7831316	482600	41.5	21.4	29.0	38.9	28.6	24.1	32.6	26.9	24.5	34.0	30.2	?	Tf?	s
LS-057	7810095	470513	0.14	0.27	0.24	0.15	0.10	0.19	0.06	0.23	0.12	0.12	0.16	?	Jar,clay	
LS-058	7810105	470508	0.20	0.24	0.19	0.55	0.31	0.34	0.40	0.19	0.38	0.33	0.31	?	Lim	
LK-031	7674493	527096	0.02	0.03	0.00	0.03	0.01	0.02	0.03	0.03	0.04	0.00	0.02	?	alt rock	f
LK-036	7674823	536704	0.04	0.07	0.03	0.02	0.02	0.01	0.01	0.04	0.01	0.00	0.03	?	silicified rock	f
LK-047	7798541	495575	645	189	470	570	460	327	687	786	1119	964	622	?	mt-hem vein	
LK-112	7830651	482700	0.50	0.23	0.29	0.43	0.25	0.17	0.15	0.21	0.13	0.12	0.25	?	silicified rock	f
LK-116	7830809	482955	3.99	3.42	1.89	1.37	2.53	4.03	3.48	3.58	1.69	1.19	2.72	?	silicified rock	s
LK-244	7986800	440550	0.18	0.20	0.15	0.24	0.27	0.19	0.23	0.21	0.28	0.25	0.22	?	alt vol r	f
LK-266	8017561	430327	0.25	0.15	0.38	0.18	0.20	0.18	0.13	0.24	0.17	0.24	0.21	?	silicified rock	o
LK-267	8017330	429848	0.04	0.02	0.02	0.03	0.02	0.00	0.02	0.03	0.04	0.11	0.03	?	alt rock	a
LK-275	7972656	443691	13.4	11.5	16.4	25.1	90.2	59.5	18.5	37.4	31.8	24.5	32.8	?	silicified rock	s
LK-278	7972748	443898	50.9	49.5	37.6	50.4	46.6	30.6	55.5	42.3	43.9	33.9	44.1	?	silicified rock	s

AP-57 Results of Drill Cuttings Magnetic Susceptibility Measurement (1/2)

Drilling Name	Sample No.	K × 10^{-5}	A	χ × 10^{-5}
MJC-1	SM-1-20	316	1.31	241
	SM-1-40	46	1.22	38
	SM-1-60	169	1.19	143
	SM-1-80	47	1.30	36
	SM-1-100	58	1.24	47
	SM-1-120	49	1.27	39
	SM-1-140	12	1.04	12
	SM-1-160	43	1.29	33
	SM-1-180	70	1.39	50
	SM-1-200	80	1.35	59
	SM-1-220	125	1.26	99
	SM-1-240	337	1.38	244
	SM-1-260	284	1.37	207
	SM-1-280	54	1.44	37
	SM-1-300	2880	1.43	2010
	SM-1-320	180	1.26	143
	SM-1-340	23	1.33	17
MJC-2	SM-2-20	706	1.25	266
	SM-2-40	820	1.31	626
	SM-2-60	720	1.08	666
	SM-2-80	352	1.19	297
	SM-2-100	82	1.29	64
	SM-2-120	32	1.20	27
	SM-2-140	67	1.14	59
	SM-2-160	70	1.28	55
	SM-2-180	66	1.30	51
	SM-2-200	102	1.31	78
	SM-2-220	133	1.30	102
	SM-2-240	154	1.44	107
	SM-2-260	172	1.33	129
	SM-2-280	127	1.28	99
	SM-2-300	93	1.15	81
	SM-2-320	600	1.32	454
	SM-2-340	743	1.15	644
	SM-2-360	631	1.13	557
	SM-2-380	783	1.28	612
	SM-2-400	354	1.40	252
	SM-2-420	349	1.22	282
	SM-2-440	37	0.97	38
	SM-2-460	45	0.99	46
	SM-2-480	99	1.01	98
	SM-2-500	165	1.21	137
MJC-3	SM-3-20	20	1.28	16
	SM-3-40	25	1.27	20
	SM-3-60	152	1.21	126
	SM-3-80	122	1.29	95
	SM-3-100	143	1.29	11
	SM-3-120	173	1.36	127
	SM-3-140	153	1.33	115
	SM-3-160	166	1.37	121
	SM-3-180	177	1.28	138
	SM-3-200	169	1.30	130
	SM-3-220	186	1.27	147
	SM-3-240	186	1.29	144
	SM-3-260	162	1.41	115
	SM-3-280	156	1.35	115
	SM-3-300	118	1.17	100
	SM-3-320	173	1.27	136
	SM-3-340	147	0.99	149
	SM-3-360	280	1.20	234
	SM-3-380	849	1.30	653
	SM-3-400	215	1.33	162
	SM-3-420	74	1.01	73
	SM-3-440	162	1.29	126
	SM-3-460	300	1.19	253
	SM-3-480	321	1.27	253
	SM-3-500	289	1.15	250

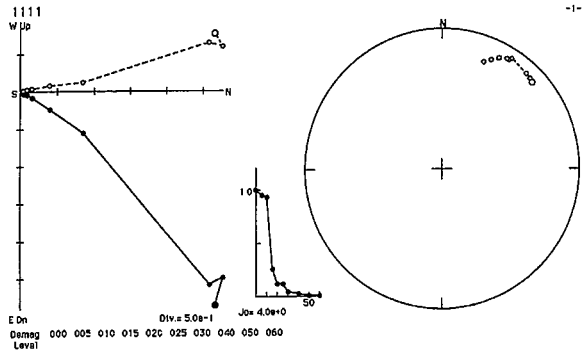
Drilling Name	Sample No.	K × 10^{-5}	A	χ × 10^{-5}
MJC-4	SM-4-20	50	1.33	38
	SM-4-40	268	1.32	203
	SM-4-60	217	1.36	159
	SM-4-80	168	1.35	124
	SM-4-100	233	1.36	171
	SM-4-120	369	1.48	248
	SM-4-140	245	1.33	184
	SM-4-160	367	1.47	250
	SM-4-180	386	1.31	294
	SM-4-200	213	1.34	159
	SM-4-220	272	1.31	207
	SM-4-240	353	1.32	267
	SM-4-260	249	1.21	206
	SM-4-280	216	1.34	161
	SM-4-300	346	1.50	231
	SM-4-320	230	1.36	169
	SM-4-340	267	1.31	204
	SM-4-360	230	1.32	174
	SM-4-380	396	1.39	284
	SM-4-400	212	1.20	176
	SM-4-420	222	1.30	171
	SM-4-440	197	1.37	146
	SM-4-460	224	1.17	191
	SM-4-480	98	1.28	77
	SM-4-500	86	1.24	69
MJC-5	SM-5-20	220	1.13	194
	SM-5-40	21	1.10	19
	SM-5-60	41	1.15	36
	SM-5-80	35	1.21	29
	SM-5-100	47	1.28	36
	SM-5-120	163	1.27	129
	SM-5-140	52	0.91	57
	SM-5-160	67	0.95	69
	SM-5-180	28	1.01	28
	SM-5-200	109	1.24	88
	SM-5-220	19	1.06	18
	SM-5-240	10	1.13	9
	SM-5-260	56	1.26	45
	SM-5-280	237	1.35	175
	SM-5-300	246	1.38	178
	SM-5-320	167	1.24	135
	SM-5-340	54	1.07	50
	SM-5-360	54	1.06	51
	SM-5-380	163	1.32	123
	SM-5-400	276	1.21	227
	SM-5-420	268	1.31	205
	SM-5-440	231	1.28	181
	SM-5-460	137	1.43	96
	SM-5-480	133	1.39	95
	SM-5-500	137	1.37	100
MJC-6	SM-6-20	132	1.17	114
	SM-6-40	193	1.38	40
	SM-6-60	249	1.34	186
	SM-6-80	41	0.96	43
	SM-6-100	95	1.19	80
	SM-6-120	88	1.02	86
	SM-6-140	141	1.01	140
	SM-6-160	68	1.12	61
	SM-6-180	64	1.14	56
	SM-6-200	177	1.12	157
	SM-6-220	60	1.13	58
	SM-6-240	75	1.21	62
	SM-6-260	76	1.39	55
	SM-6-280	109	1.15	94
	SM-6-300	11	1.20	92
	SM-6-320	150	1.20	125
	SM-6-340	57	1.08	53
	SM-6-360	91	1.03	88
	SM-6-380	691	1.33	519
	SM-6-400	648	1.05	656

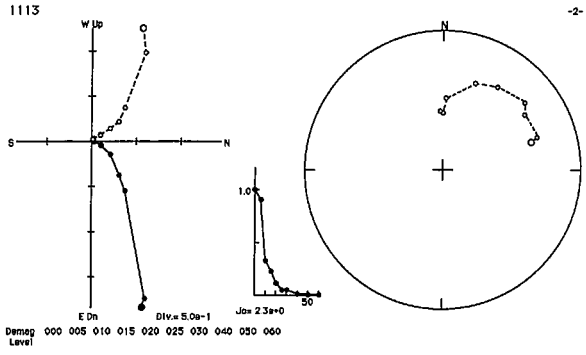
K: Magnetic Susceptibility in Powdered Sample (× 10^{-5} SI unit)
A: Apparent Specific Gravity
χ : Specific Magnetic Susceptibility (× 10^{-5} SI unit)

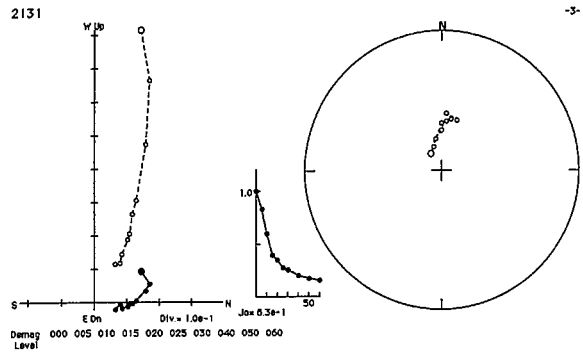
AP-57 Results of Drill Cuttings Magnetic Susceptibility Measurement (2/2)

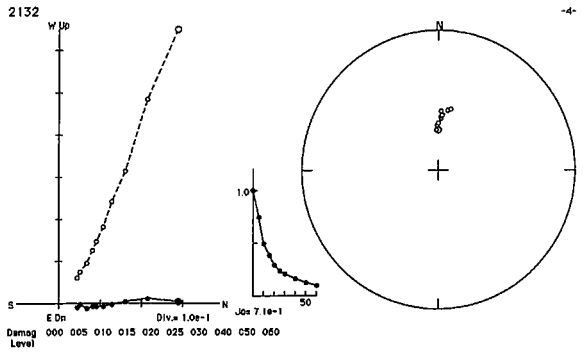
Drilling Name	Sample No.	K × 10^{-5}	A	χ × 10^{-5}
MJC-7	SM-7-20	79	1.25	63
	SM-7-40	118	1.27	93
	SM-7-60	122	1.15	106
	SM-7-80	399	1.06	376
	SM-7-100	146	0.89	163
	SM-7-120	18	0.85	21
	SM-7-140	13	0.82	16
	SM-7-160	25	0.81	31
	SM-7-180	128	1.11	115
	SM-7-200	10	0.76	13
	SM-7-220	631	1.31	481
	SM-7-240	243	1.16	209
	SM-7-260	613	1.32	464
	SM-7-280	931	1.17	793
	SM-7-300	682	1.33	513
	SM-7-320	1410	1.25	1120
	SM-7-340	276	1.15	239
	SM-7-360	108	1.28	84
	SM-7-380	632	1.28	494
MJC-8	SM-8-20	126	1.30	97
	SM-8-40	100	1.28	76
	SM-8-60	56	1.34	42
	SM-8-80	25	1.20	21
	SM-8-100	35	1.30	27
	SM-8-120	165	1.30	127
	SM-8-140	200	1.29	155
	SM-8-160	188	1.28	147
	SM-8-180	102	1.28	80
	SM-8-200	145	1.32	110
	SM-8-220	216	1.23	176
	SM-8-240	280	1.33	210
	SM-8-260	145	1.23	117
	SM-8-280	382	1.11	343
	SM-8-300	429	1.35	317
	SM-8-320	372	1.32	282
	SM-8-340	538	1.32	408
	SM-8-360	568	1.39	408
	SM-8-380	1250	1.19	1050
	SM-8-400	681	1.20	564
	SM-8-420	309	1.28	242
	SM-8-440	358	1.32	271
	SM-8-460	237	1.22	195
	SM-8-480	194	1.11	174
	SM-8-500	203	1.28	159
MJC-9	SM-9-20	840	1.23	685
	SM-9-40	320	1.09	293
	SM-9-60	984	1.11	885
	SM-9-80	130	1.09	119
	SM-9-100	56	0.83	67
	SM-9-120	132	1.13	116
	SM-9-140	188	1.02	185
	SM-9-160	385	1.20	320
	SM-9-180	261	1.04	251
	SM-9-200	217	1.03	211
	SM-9-220	566	1.26	450
	SM-9-240	915	1.16	786
	SM-9-260	798	1.08	622
	SM-9-280	673	1.23	548
	SM-9-300	616	1.06	581
	SM-9-320	592	1.02	581
	SM-9-340	94	0.70	135
	SM-9-360	447	0.97	462
	SM-9-380	210	0.93	227
	SM-9-400	67	0.74	91
	SM-9-420	127	0.84	150
	SM-9-440	300	0.98	307
	SM-9-460	195	1.01	194
	SM-9-480	131	0.84	156
	SM-9-500	369	1.03	358
MJC-10	SM-10-20	201	0.98	206
	SM-10-40	571	1.2	478
	SM-10-60	24	1.05	23
	SM-10-80	853	1.29	666
	SM-10-100	456	1.32	345
	SM-10-120	26	1.06	25
	SM-10-140	47	1.07	44
	SM-10-160	12	1.04	12
	SM-10-180	28	1.06	26
	SM-10-200	12	1.15	10
	SM-10-220	526	1.28	411
	SM-10-240	472	1.32	356
	SM-10-260	654	1.3	503
	SM-10-280	814	1.2	675
	SM-10-300	880	1.24	711
	SM-10-320	26	0.99	26
	SM-10-340	1280	1.12	1140
	SM-10-360	92	1.09	84
	SM-10-380	688	1.31	525
MJC-11	SM-11-20	180	1.06	170
	SM-11-40	95	0.88	107
	SM-11-60	166	1.22	135
	SM-11-80	349	1.28	270
	SM-11-100	482	1.27	380
	SM-11-120	369	1.12	329
	SM-11-140	103	1.25	83
	SM-11-160	145	1.29	112
	SM-11-180	264	1.30	203
	SM-11-200	305	1.01	302
	SM-11-220	355	1.28	278
	SM-11-240	139	1.35	95
	SM-11-260	98	1.26	78
	SM-11-280	88	1.25	71
	SM-11-300	125	1.12	111
	SM-11-320	115	1.22	84
	SM-11-340	102	1.20	85
	SM-11-360	49	1.16	42
	SM-11-380	84	1.19	71
	SM-11-400	85	1.15	74
	SM-11-420	96	1.17	82
	SM-11-440	48	1.12	43
	SM-11-460	33	1.17	28
	SM-11-480	90	1.23	73
	SM-11-500	128	1.14	112
MJC-12	SM-12-20	76	1.06	72
	SM-12-40	27	1.09	25
	SM-12-60	67	1.30	52
	SM-12-80	45	0.90	50
	SM-12-100	117	0.93	126
	SM-12-120	33	1.03	32
	SM-12-140	425	1.19	359
	SM-12-160	130	1.28	101
	SM-12-180	584	1.39	419
	SM-12-200	991	1.44	686
	SM-12-220	609	1.44	421
	SM-12-240	979	1.46	673
	SM-12-260	1660	1.54	1080
	SM-12-280	697	1.40	497
	SM-12-300	2480	1.46	1690

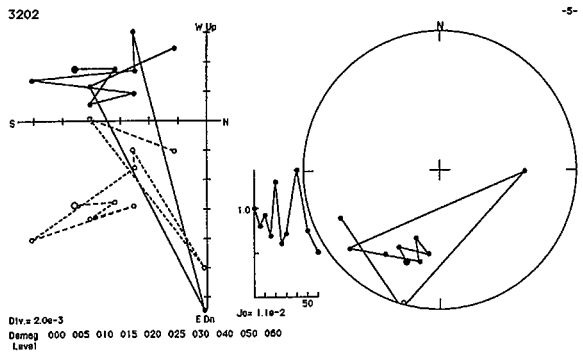
K: Magnetic Susceptibility in Powdered Sample (× 10^{-5} SI unit)
A: Apparent Specific Gravity
χ: Specific Magnetic Susceptibility (× 10^{-5} SI unit)

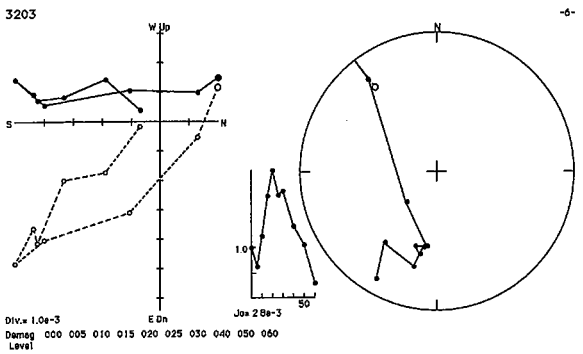


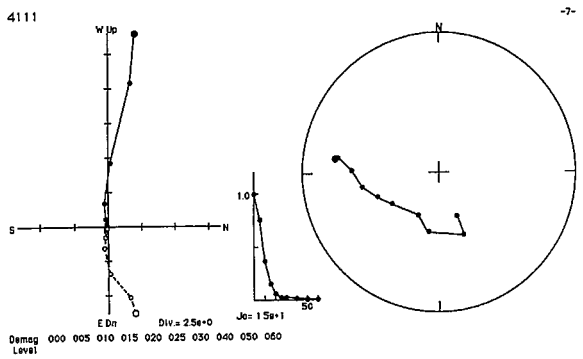


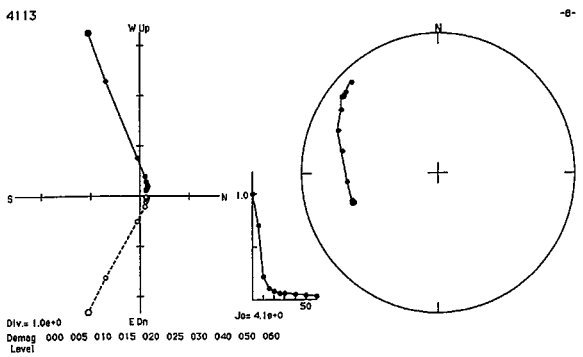




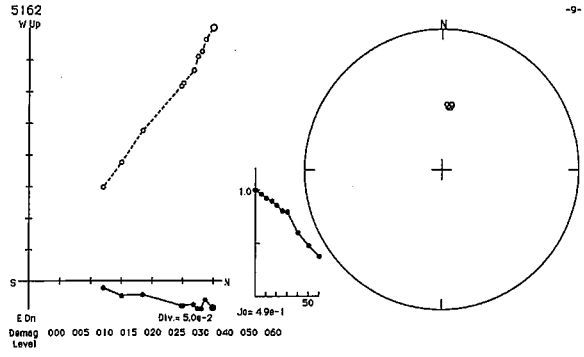


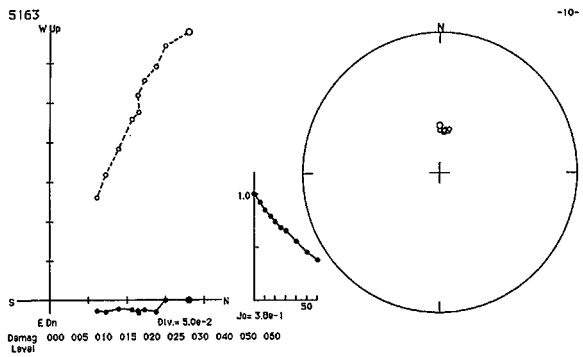


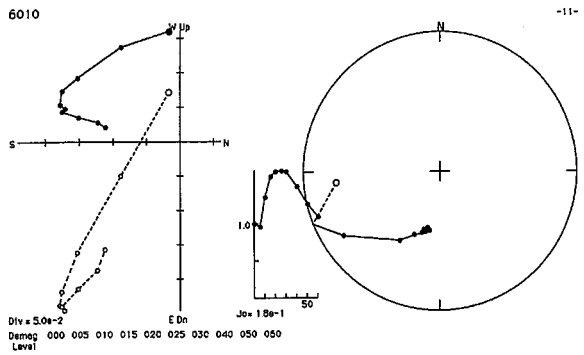


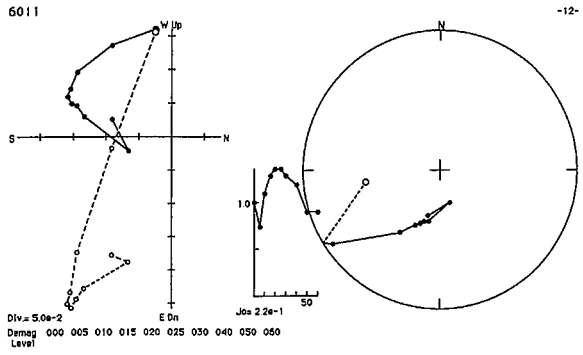


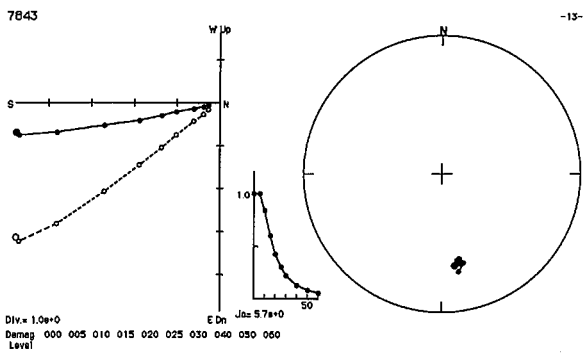
AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (1)

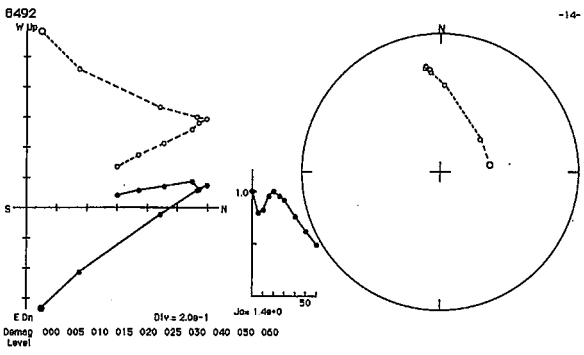


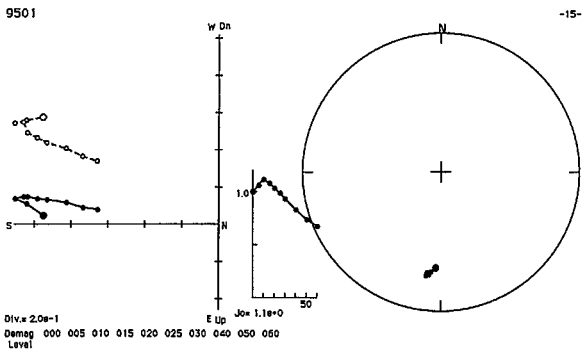


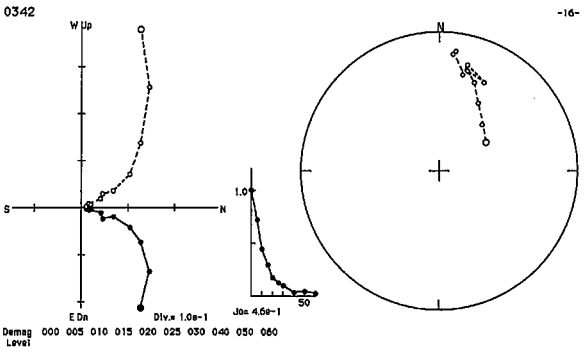




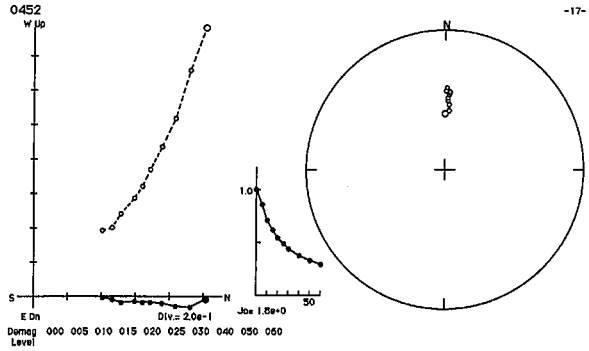


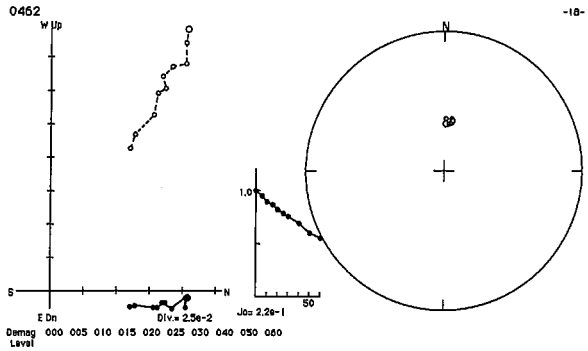


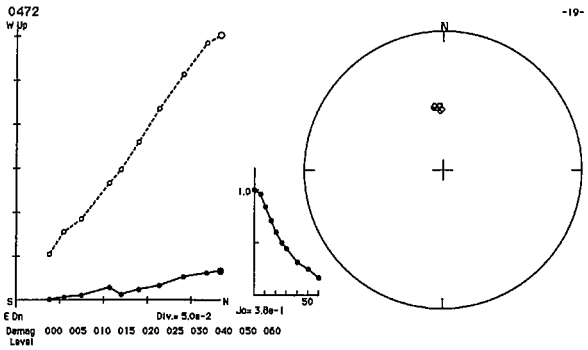


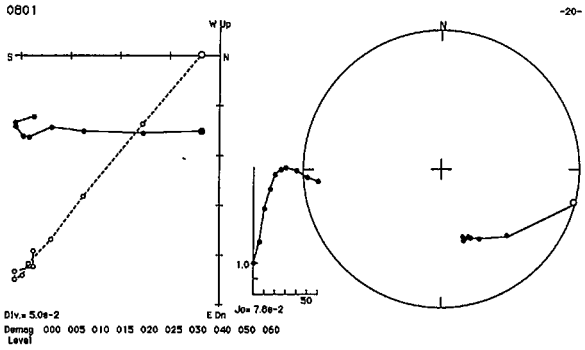


AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (2)





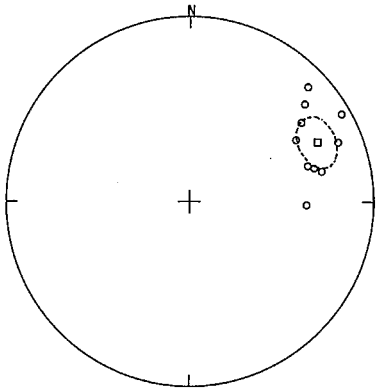




AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (3)

CIL site1(int)

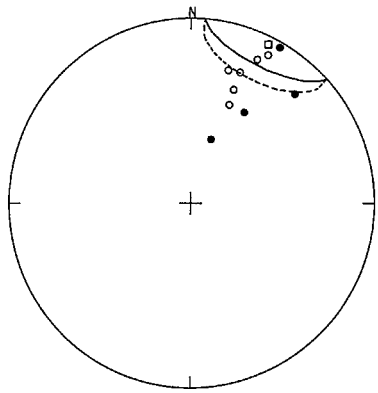
Sample	Dec	Inc
1111	46.0	-11.0
1111	50.0	-19.0
1111	55.0	-26.0
1111	60.0	-33.0
1111	60.0	-5.0
1111	68.0	-14.0
1111	77.0	-27.0
1111	92.0	-36.0
1113	73.0	-33.0
1113	75.0	-30.0



MeanD	MeanI	k	alpha	R
64.9	-24.0	24.4	10.0	9.6307898

CIL site1(30mT)

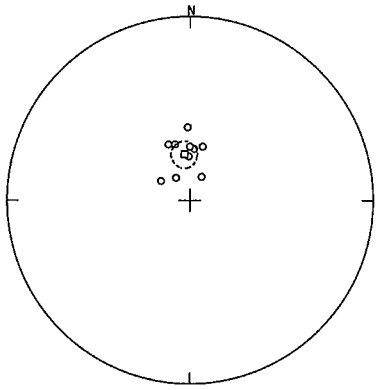
Sample	Dec	Inc
1111	28.0	-10.0
1111	25.0	-15.0
1111	21.0	-25.0
1111	16.0	-26.0
1111	30.0	3.0
1111	44.0	19.0
1111	31.0	42.0
1111	18.0	60.0
1113	21.0	-34.0
1113	22.0	-42.0



MeanD	MeanI	k	alpha	R
26.1	-4.1	5.8	21.9	8.4580393

CIL site2(int)

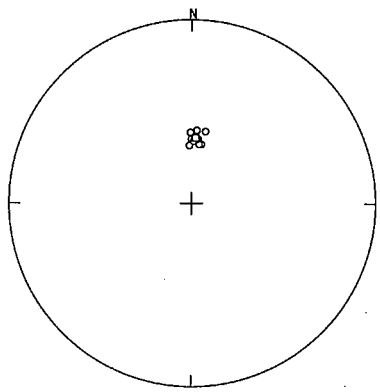
Sample	Dec	Inc
2131	327.0	-78.0
2131	27.0	-78.0
2131	304.0	-74.0
2131	358.0	-70.0
2131	358.0	-57.0
2131	345.0	-64.0
2131	5.0	-67.0
2131	339.0	-63.0
2132	359.0	-66.0
2132	14.0	-65.0



MeanD	MeanI	k	alpha	R
-7.0	-69.3	54.4	6.1	9.8502991

CIL site2(30mT)

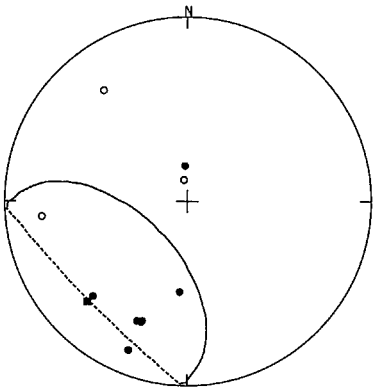
Sample	Dec	Inc
2131	6.0	-61.0
2131	10.0	-63.0
2131	357.0	-64.0
2131	0.0	-61.0
2131	359.0	-58.0
2131	2.0	-62.0
2131	8.0	-63.0
2131	3.0	-60.0
2132	5.0	-57.0
2132	11.0	-57.0



MeanD	MeanI	k	alpha	R
4.2	-60.7	556.6	2.0	9.9838305

CIL site3(int)

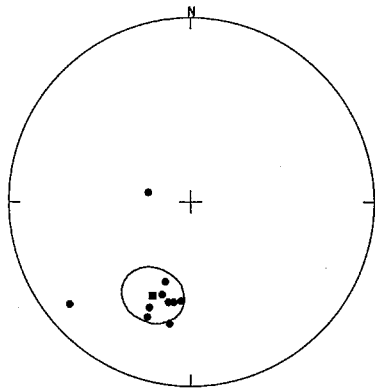
Sample	Dec	Inc
3202	201.0	30.0
3202	202.0	14.0
3202	225.0	28.0
3202	203.0	30.0
3202	201.0	31.0
3203	329.0	-25.0
3203	356.0	74.0
3203	350.0	-80.0
3203	185.0	49.0
3203	264.0	-21.0



MeanD	MeanI	k	alpha	R
-134.9	23.6	2.0	48.1	5.4301505

CIL site3(30mT)

Sample	Dec	Inc
3202	230.0	14.0
3202	193.0	43.0
3202	283.0	70.0
3202	198.0	46.0
3202	198.0	52.0
3203	190.0	44.0
3203	202.0	38.0
3203	190.0	33.0
3203	186.0	45.0
3203	201.0	33.0

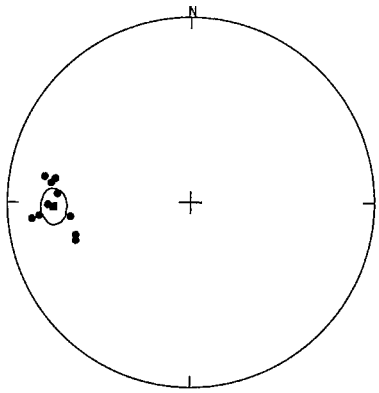


MeanD	MeanI	k	alpha	R
-157.5	43.7	14.3	13.2	9.3699045

AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (4)

CIL site4(int)

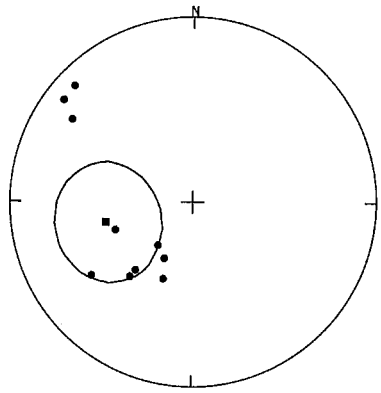
Sample	Dec	Inc
4111	280.0	20.0
4111	278.0	24.0
4111	280.0	25.0
4111	264.0	14.0
4111	265.0	18.0
4111	269.0	23.0
4111	274.0	28.0
4113	252.0	34.0
4113	254.0	35.0
4113	263.0	34.0



MeanD	MeanI	k	alpha	R
-91.8	25.9	49.6	6.9	9.8187180

CIL site4(30mT)

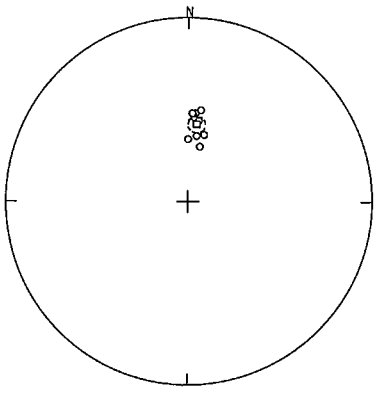
Sample	Dec	Inc
4111	220.0	50.0
4111	207.0	62.0
4111	250.0	53.0
4111	234.0	32.0
4111	220.0	46.0
4111	201.0	53.0
4111	219.0	55.0
4113	308.0	11.0
4113	304.0	21.0
4113	314.0	10.0



MeanD	MeanI	k	alpha	R
-103.6	49.6	4.6	25.3	8.0399275

CIL site5(int)

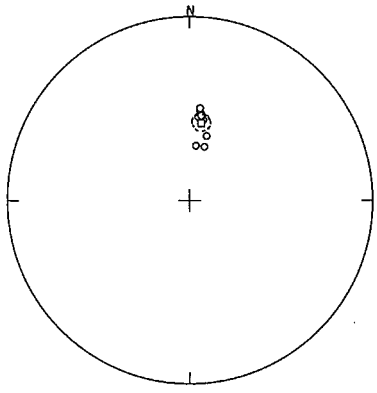
Sample	Dec	Inc
5162	5.0	-50.0
5162	8.0	-60.0
5162	4.0	-51.0
5162	8.0	-48.0
5162	5.0	-52.0
5162	8.0	-53.0
5162	3.0	-50.0
5163	0.0	-62.0
5163	13.0	-65.0
5163	14.0	-59.0



MeanD	MeanI	k	alpha	R
6.6	-55.1	151.3	3.8	9.9441977

CIL site5(30mT)

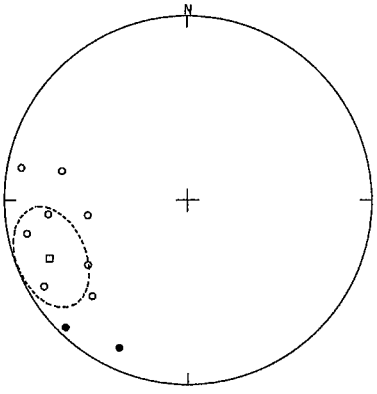
Sample	Dec	Inc
5162	8.0	-50.0
5162	10.0	-53.0
5162	7.0	-49.0
5162	7.0	-48.0
5162	6.0	-52.0
5162	9.0	-51.0
5162	8.0	-51.0
5163	7.0	-65.0
5163	16.0	-65.0
5163	15.0	-60.0



MeanD	MeanI	k	alpha	R
9.0	-54.4	145.3	4.0	9.9380798

CIL site6(int)

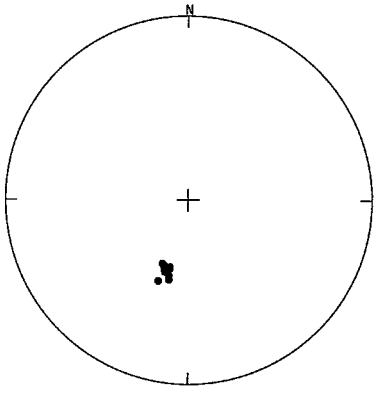
Sample	Dec	Inc
6010	224.0	4.0
6010	264.0	-24.0
6010	237.0	-35.0
6011	238.0	-11.0
6011	251.0	-44.0
6011	225.0	-27.0
6011	239.0	-9.0
6011	205.0	12.0
6011	283.0	-30.0
6011	281.0	-8.0



MeanD	MeanI	k	alpha	R
-112.8	-18.8	7.4	19.0	8.7899346

CIL site6(30mT)

Sample	Dec	Inc
6010	195.0	55.0
6010	194.0	53.0
6010	195.0	58.0
6011	201.0	51.0
6011	198.0	58.0
6011	196.0	59.0
6011	200.0	58.0
6011	201.0	59.0
6011	198.0	56.0
6011	202.0	59.0

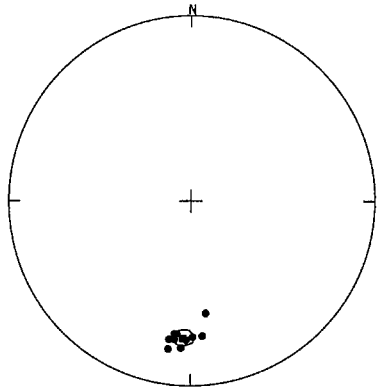


MeanD	MeanI	k	alpha	R
-162.0	56.6	631.2	1.9	9.9857407

AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (5)

CIL site7(int)

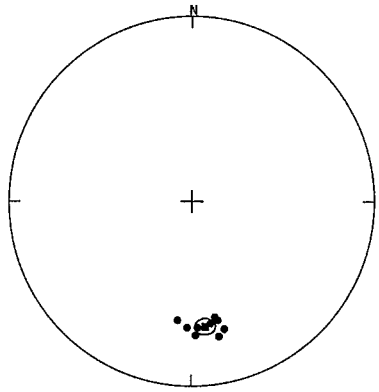
Sample	Dec	Inc
7842	189.0	25.0
7842	187.0	28.0
7842	185.0	28.0
7842	187.0	25.0
7842	189.0	20.0
7843	182.0	25.0
7843	184.0	21.0
7843	175.0	27.0
7843	172.0	38.0
7843	179.0	27.0



MeanD	MeanI	k	alpha	R
-176.8	26.5	128.9	4.3	9.9301995

CIL site7(30mT)

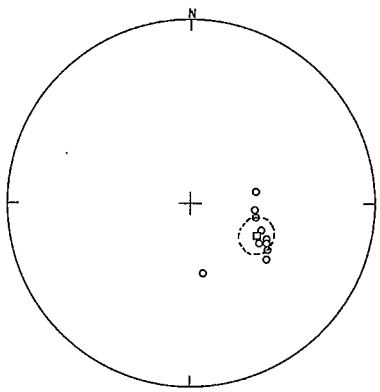
Sample	Dec	Inc
7842	168.0	26.0
7842	187.0	35.0
7842	182.0	32.0
7842	177.0	32.0
7842	178.0	28.0
7843	171.0	33.0
7843	171.0	33.0
7843	167.0	34.0
7843	169.0	36.0
7843	165.0	29.0



MeanD	MeanI	k	alpha	R
173.3	32.0	137.6	4.1	9.9345894

CIL site8(int)

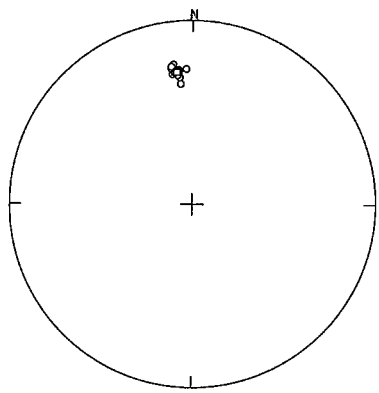
Sample	Dec	Inc
8492	115.0	-52.0
8492	120.0	-54.0
8492	169.0	-58.0
8492	96.0	-61.0
8492	79.0	-60.0
8493	126.0	-47.0
8493	118.0	-51.0
8493	121.0	-49.0
8493	111.0	-56.0
8493	102.0	-60.0



MeanD	MeanI	k	alpha	R
116.2	-56.6	36.9	8.1	9.7562304

CIL site8(30mT)

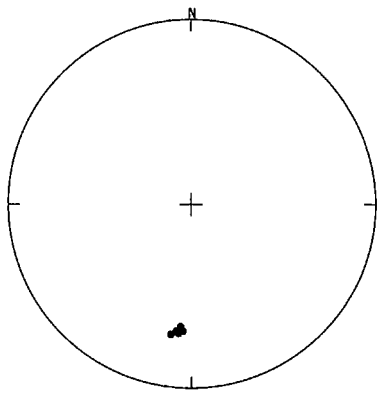
Sample	Dec	Inc
8492	357.0	-27.0
8492	354.0	-27.0
8492	351.0	-26.0
8492	352.0	-24.0
8492	351.0	-25.0
8493	354.0	-34.0
8493	354.0	-31.0
8493	353.0	-30.0
8493	351.0	-29.0
8493	353.0	-30.0



MeanD	MeanI	k	alpha	R
-7.0	-28.3	541.6	2.1	9.9833813

CIL site9(int)

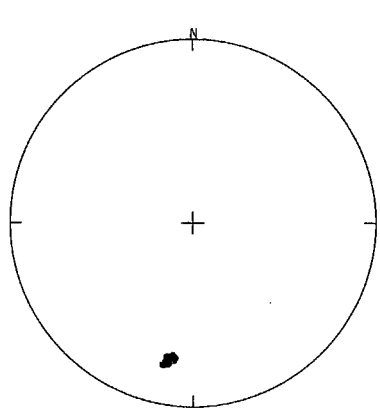
Sample	Dec	Inc
9501	187.0	31.0
9501	184.0	31.0
9501	186.0	31.0
9501	185.0	31.0
9501	185.0	33.0
9501	185.0	32.0
9501	184.0	31.0
9501	189.0	29.0
9501	187.0	31.0
9501	186.0	30.0



MeanD	MeanI	k	alpha	R
-174.2	31.0	2271.8	1.0	9.9950384

CIL site9(30mT)

Sample	Dec	Inc
9501	191.0	26.0
9501	189.0	27.0
9501	191.0	25.0
9501	191.0	23.0
9501	188.0	26.0
9501	191.0	26.0
9501	188.0	25.0
9501	192.0	22.0
9501	191.0	24.0
9501	190.0	23.0

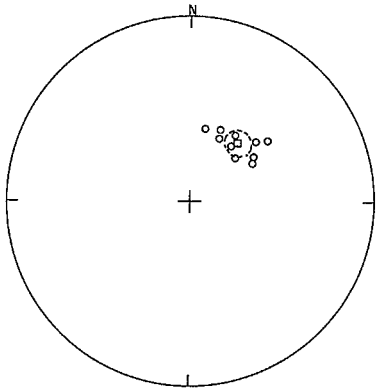


MeanD	MeanI	k	alpha	R
-169.8	24.7	1530.8	1.2	9.9941206

AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (6)

CIL site10(int)

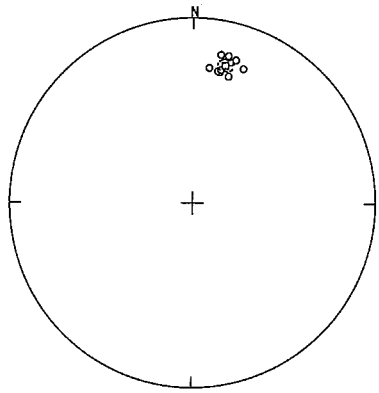
Sample	Dec	Inc
0341	23.0	-55.0
0341	12.0	-57.0
0341	25.0	-59.0
0341	45.0	-62.0
0341	35.0	-54.0
0341	37.0	-59.0
0342	55.0	-55.0
0342	59.0	-57.0
0342	52.0	-45.0
0342	48.0	-50.0



MeanD	MeanI	k	alpha	R
39.8	-55.2	66.5	6.0	9.8645849

CIL site10(30mT)

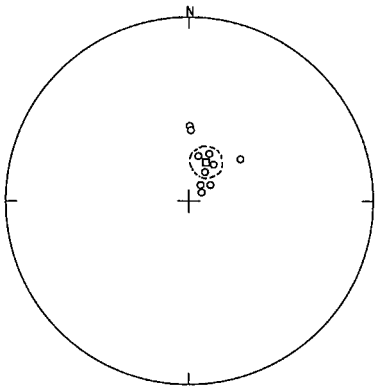
Sample	Dec	Inc
0341	16.0	-29.0
0341	7.0	-27.0
0341	11.0	-19.0
0341	12.0	-28.0
0341	11.0	-28.0
0341	12.0	-27.0
0342	21.0	-23.0
0342	15.0	-22.0
0342	17.0	-20.0
0342	14.0	-19.0



MeanD	MeanI	k	alpha	R
13.6	-24.2	228.6	3.2	9.9606314

CIL site11(int)

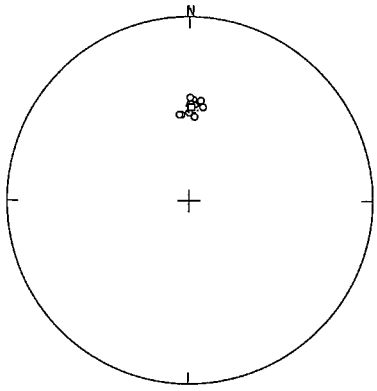
Sample	Dec	Inc
0452	37.0	-81.0
0452	13.0	-69.0
0452	1.0	-56.0
0452	34.0	-70.0
0452	24.0	-67.0
0453	55.0	-83.0
0453	53.0	-78.0
0453	30.0	-75.0
0453	2.0	-58.0
0453	51.0	-60.0



MeanD	MeanI	k	alpha	R
24.5	-70.8	46.7	7.1	9.8073597

CIL site11(30mT)

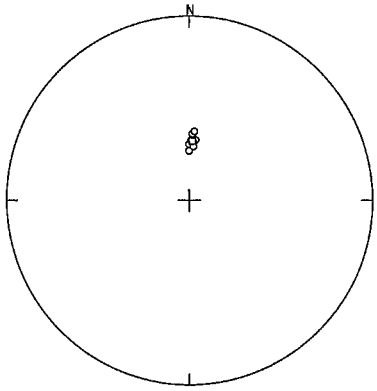
Sample	Dec	Inc
0452	4.0	-46.0
0452	4.0	-52.0
0452	3.0	-44.0
0452	7.0	-44.0
0452	9.0	-47.0
0453	355.0	-51.0
0453	1.0	-43.0
0453	0.0	-50.0
0453	353.0	-51.0
0453	1.0	-46.0



MeanD	MeanI	k	alpha	R
1.8	-47.5	300.0	2.8	9.9700031

CIL site12(int)

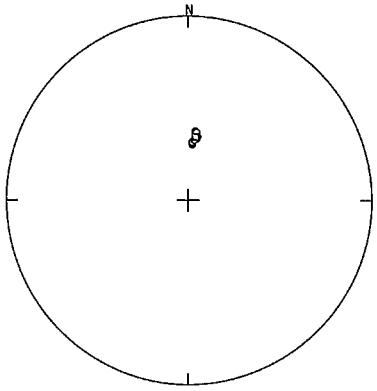
Sample	Dec	Inc
0462	3.0	-64.0
0462	4.0	-62.0
0462	4.0	-62.0
0462	3.0	-60.0
0462	5.0	-59.0
0463	359.0	-68.0
0463	0.0	-65.0
0463	3.0	-63.0
0463	7.0	-63.0
0463	5.0	-66.0



MeanD	MeanI	k	alpha	R
3.4	-63.2	787.8	1.7	9.9885759

CIL site12(30mT)

Sample	Dec	Inc
0462	7.0	-60.0
0462	8.0	-60.0
0462	9.0	-61.0
0462	7.0	-59.0
0462	8.0	-59.0
0463	5.0	-65.0
0463	5.0	-64.0
0463	8.0	-61.0
0463	8.0	-62.0
0463	7.0	-63.0

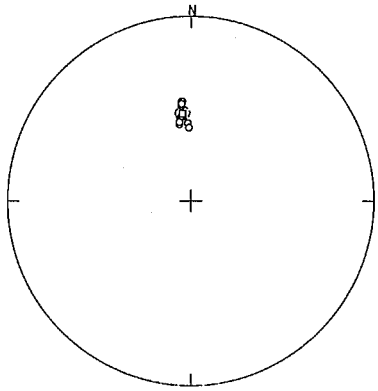


MeanD	MeanI	k	alpha	R
7.3	-61.4	1414.9	1.3	9.9935390

AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (7)

CIL site13(int)

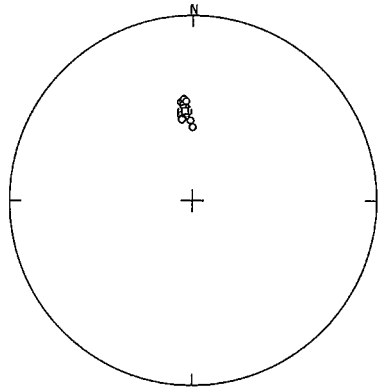
Sample	Dec	Inc
0471	354.0	-47.0
0471	354.0	-45.0
0471	354.0	-46.0
0471	355.0	-45.0
0471	354.0	-46.0
0472	352.0	-52.0
0472	357.0	-55.0
0472	358.0	-57.0
0472	351.0	-55.0
0472	351.0	-54.0



MeanD	MeanI	k	alpha	R
-6.0	-50.2	260.3	3.0	9.9654188

CIL site13(30mT)

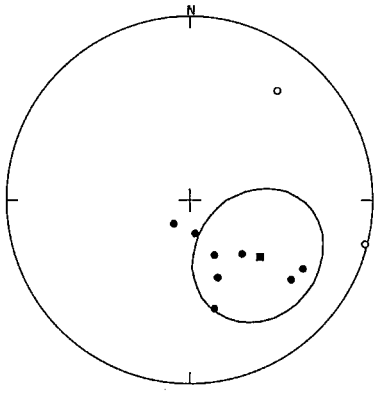
Sample	Dec	Inc
0471	353.0	-45.0
0471	354.0	-45.0
0471	354.0	-47.0
0471	355.0	-44.0
0471	356.0	-45.0
0472	352.0	-51.0
0472	358.0	-54.0
0472	0.0	-57.0
0472	353.0	-53.0
0472	352.0	-53.0



MeanD	MeanI	k	alpha	R
-5.4	-49.4	253.9	3.0	9.9659014

CIL site14(int)

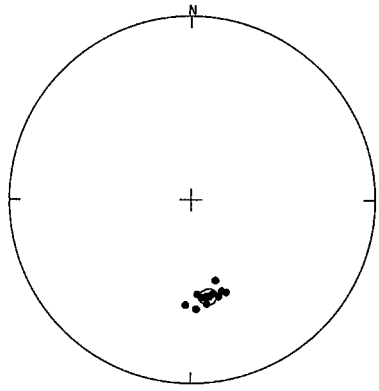
Sample	Dec	Inc
0801	121.0	28.0
0801	136.0	55.0
0801	128.0	30.0
0801	104.0	-1.0
0801	39.0	-24.0
0803	167.0	39.0
0803	214.0	77.0
0803	170.0	75.0
0803	155.0	63.0
0803	160.0	53.0



MeanD	MeanI	k	alpha	R
128.7	48.7	3.6	29.7	7.5011244

CIL site14(30mT)

Sample	Dec	Inc
0801	167.0	46.0
0801	163.0	52.0
0801	164.0	44.0
0801	161.0	46.0
0801	159.0	45.0
0803	171.0	42.0
0803	183.0	42.0
0803	173.0	45.0
0803	176.0	47.0
0803	177.0	40.0



MeanD	MeanI	k	alpha	R
169.6	45.1	155.8	3.9	9.9422321

AP-58 Results of Remanent Magnetization Measurement (Phase 3 Surface survey) (8)

AP-59 Evaluation of Medium Wavelength Magnetic Anomalies (1/3)

	MW Anomaly No.	Priority	Number of short wavelength anomaliy by MW-SW correlation type														Relation with Porphyry-Cu Deposit	Correlation with 24,475 - 24,525 nT RTP zone	Correlation between SW and 24,475 - 24,525 nT RTP zone	Quaternary Volcano	Correlation with topography	Paleo-magnetism	Suscep. of MW anomaly area	Suscep. of SW anomaly area		Phyllic alteration	Alteration zone in TM & Geoscan images	Lineaments in TM image	Faults in existing geological maps	Geology	Basement rocks	Partial covering of young volcanics	Metallogenic province	Verification by surface survey
			M		C		I		M−C				M−I							○ not exist × exist	○ not exist × exist			H	L									
			High	Low	High	Low	High	Low	M		C		M		I																		
									High	Low	High	Low	High	Low	High	Low																		
1	ML- 9		①														Campanane(2.0km)	○	○	○	○						◎	◎	Tig,Kc(i),Kgd	○	○	B	
2	ML- 25		②														Camarones(M)	○	○	○	○		Low	Low		○		○	○	Qvc,Tig,Kv(i)	○	○	A, B	○
3	ML- 48		①	1													Q.Eizabeth(Mo)	○	○	○	○		Low	Low		○	○	○		Qv,**Jm(s)**	○	○	C, E	○
4	ML- 49												2			①	Mocha(Mo)	○	○	○	○		High		High	○	○	○	○	Kgd,Jm(s),Kv(i)	○		B	○
5	ML- 54		①	②													Flor del desiento(M)	○	○	○	○		Low				○	◎	◎	Kv(i),Tig,Kgd	○	◎	C	
6	ML- 59						①										La Planada et.(M)	○	○	○	○		Low	Low		○		◎	◎	**Kv(i),Kgd**	○		C	○
7	ML- 73		①	2													Copaquire(M)	○	○	○	○		Low	Low		○	○	◎	◎	**Kv(i),Jc(s)**	○		C	
8	ML- 75												③			1	Rosario et.(M)	○	○	○	○		Low	Low	Low	○	○	○	○	**Jc(s),Kv(i)**	○		C	
9	ML- 76						①										Ujina(C)	○	○	○	○		Low	Low		○	○	○		**Kv(m)**,Tig	○	○	C	
10	ML- 78																Olga(M)	○	×	○	○						○	◎	○	Kv(i),Jc(s),Kgd	○		C	
11	ML- 4	High											4			2		○	○	○	○							○	○	Tig,**Jm(m)**	○	○	C	
12	ML- 47	High	1	1														○	○	○	○						○		○	Qv,Kc(I),Jm(S)	○	○	C	
13	ML- 55	High	2	2														○	○	○	○							○	○	Tig,**Jm(s)**,Kgd	○	◎	C	×(Diana)
14	ML- 71	High	1															○	○	○	○		Low				○	◎	○	Pzg,Kv(m),Tig	○	○	C	
15	ML- 68	High		1														○	○	○	○		Low		Low	○	○		◎	Jm(s),Kv(I),Tig	○	○	B, C	△(Chacalilla)
16	ML- 35	High	1	1														○	○	○	○	N, R(L)	High			○		○	○	Qv,**Kv(i),Kgd**	○	◎	B	○(Camina west)
17	ML- 46	High	2															○	○	○	○		High	Low		○ 1.5			○	Qvc,Tig,**p C**	○	○	B	
18	ML- 16	High			1													○	○	○	○							◎	○	Tig			B	
19	ML- 30	High												2	2			○	○	○	○		Low	Low	High					Qv			B	
20	ML- 43	High	1	1														○	△	○	○								○	Qv,**p C**	○	○	B	
21	ML- 79	High	2	2														○	○	○	○									Qvc,**Jg**	○	○	B	
22	ML- 80	High	1	3														○	○	○	○								○	Qvc,**Kgd**	○	◎	B	
23	ML- 83	High											1	2	1			○	○	○	○								○	Qvc			B	
24	ML- 23	High	2	1														○	○	○	○		High	High		○			○	Qvc,Tig,**Kgd**	○	◎	B, C, D	
25	ML- 26	High	1															○	○	○	○							○		Qvc,Tig,**Kgd**	○	◎	B, C, D	
26	ML- 28	High	2 (1*)															○	○	○	△							○	○	Qv			B, C, D	
27	ML- 38	High	3	1														○	○	○	○		High	High				○		Qv,**Kc(i)**	○	○	B, C, D	
28	ML- 17	High								1	1							○	○	○	○		Low	Low				○	○	Qv,Qvr			D	×(TignamarNW)
29	ML- 39	High	4 (1*)	4														○	○	×,△	○						○			Qvr,Qv			D	
30	ML- 52	High	5	4														○	○	○	○						○			Kv(i),Tig,Kgd	○	◎	A, B	
31	ML- 58	High	2	2														○	○	○	○		Low	Low				○		Qvc,Kv(i),Kgd	○	◎	A, B	
32	ML- 74	High	1															○	△	○	○								○	Qvc,**Jg**	○	○	A, B	
33	ML- 12	High	1	2														○	○	○	○		Low	Low				○	○	Tig,Kc(i),Kgd	○	◎	A	×(AricaE)
34	ML- 14	High	1															○	○	○	○								○	Tig,Qvc			A	
35	ML- 31	High	2 (1*)	1														○	○	○	△		High		High			○		Qv,**Kc(i)**	○	○	A	
36	ML- 44	High											3	1		1		○	○	○	○								○	Qvc			A	
37	ML- 45	High	1															○	△	○	○									Qvc,Qv			A	
38	ML- 50	High	3	2														○	△	○	○		Low	Low						Qvc,**Kgd**	○	◎	A	
39	ML- 51	High							3			1						○	○	○	○									Qvc			A	
40	ML- 53	High							2	3		1						○	○	○	○		High		High					Qvc			A	
41	ML- 57	High												4	1			○	○	○	○									Qvc			A	
42	ML- 60	High											1	4	1			○	○	○	○									Qvc			A	
43	ML- 61	High	1	2														○	○	○	○									Qvc			A	
44	ML- 62	High	1															○	○	○	○								○	Qvc			A	
45	ML- 63	High											3			1		○	○	○	○									Qvc			A	
46	ML- 66	High	1	1														○	○	○	○								○	Qvc			A	
47	ML- 69	High	2	2														○	○	○	○									Qvc			A	
48	ML- 77	High	1															○	△	○	○									Qvc,**Jg**	○	○	A	
49	ML- 81	High	1															○	○	○	○									Qvc			A	
50	ML- 82	High	2	1														○	○	○	○								◎	Qvc			A	
51	ML- 7	High	3	2														○	○	○	○		High	High	High	○	○			Qv,**Kgd**	○	◎	E	×(PutreS)
52	ML- 10	High											1	1	1			○	△	○	○		High	High	High	○	○	○	○	**Kv(s),pC**	○		E	
53	ML- 1	High	2	2														○	○	○	○						○		○	**Kc(s)**	○		E	
54	ML- 3	High											2 (1*)	1		1		○	○	×,△	○		Low	Low	Low				○	Qvr			E	
55	ML- 5	High	1	3 (1*)														○	○	×,△	○		Low						○	Qv			E	
56	ML- 11	High											2	1	1			○	△	○	○						○			Qvr,Qvc			E	
57	ML- 13	High	3	1														○	○	○	○					○		○		**Kv(s)**	○		E	
58	ML- 15	High											2 (1*)	1	1			○	○	×,△	○									**Kv(s)**,Qv	○	○	E	
59	ML- 36	High	3	1(1*)														○	○	×,△	○					○	○	○		Qv,Qvc			E	O(Chusumisa)
60	ML- 2	Low							4 (2*)	4	1 (1*)							○	○	×	×		High	High	Low	○				Qv			E	
61	ML- 6	Low																○	×	○	○		Low				○	○		Tig,Kc(i)Jm(m)	○	○	A, B	

AP-59 Evaluation of Medium Wavelength Magnetic Anomalies (2/3)

	MW Anomaly No.	Priority	Number of short wavelength anomaliy by MW-SW correlation type														Relation with Porphyry-Cu Deposit	Correlation with 24,475 - 24,525 nT RTP zone	Correlation between SW and 24,475 - 24,525 nT RTP zone	Quaternary Volcano ○ not exist × exist	Correlation with topography ○ not exist × exist	Paleo-magnetism	Suscep. of MW anomaly area	Suscep. of SW anomaly area		Phyllic alteration	Alteration zone in TM & Geoscan images	Lineaments in TM image	Faults in existing geological maps	Geology	Basement rocks	Partial covering of young volcanics	Metallogenic province	Verification by surface survey
			M		C		I		M−C				M−I											H	L									
			High	Low	High	Low	High	Low	M		C		M		I																			
									High	Low	High	Low	High	Low	High	Low																			
62	ML- 20	Low											1		1	1		○	○	○	○	N (L)	Low	Low				○	◎	Tig			B	
63	ML- 65	Low																○	×	○	○								○	Tig			C	
64	ML- 21	Low											3 (1*)(1+)	4 (2+)	1	1		○	○	×	×		High	High	High	○	○	○	○	Qv,**Tgd**	○	◎	D	×TignamarSE
65	ML- 33	Low	2 (1*)	2 (1+)														○	○	×	○						○	○		Qv			D	
66	ML- 41	Low																○	×	○	○		Low					○	○	Qvc,**Jm(s)**	○	○	B	×(Pailca)
67	ML- 70	Low																○	×	○	○								○	Qvc			A, B	
68	ML- 19	Low																×	×	○	○								○	Qvc,Tig			A	
69	ML- 22	Low	1															○	×	○	○								○	Tig,Qvc			A	
70	ML- 29	Low		1														×	×	○	○									Qvc			A	
71	ML- 34	Low																×	×	○	○								○	Qvc			A	
72	ML- 37	Low							2	2	1							○	×	○	○									Qvc			A	
73	ML- 40	Low																○	×	○	○									Qvc			A	
74	ML- 56	Low							2	2	1							○	○	○	○	N (L)	High		High	○				Qvc,Kv(i),Kgd	○	◎	A	
75	ML- 64	Low																○	×	○	○									Qvc			A	
76	ML- 67	Low	1	1														○	×	○	○									Qvc			A	
77	ML- 72	Low																○	×	○	○								○	Qvc			A	
78	ML- 18	Low							3 (2*)	2	1							○	○	×	○		Low	Low	Low	○	○	○	○	Qv,**Kv(s)**	○	○	D, E	
79	ML- 24	Low	2	2														○	○	×	○		Low	Low	Low			○	○	Qvc			E	×TignamarSE
80	ML- 27	Low											1 (1+)	3 (1*)	1 (1+)			○	○	×	×						○	○	○	Qv,Kv(s),Tgd	○	◎	D	
81	ML- 32	Low											2 (1*)	1(1*)		1		○	○	×	○		Low	High	Low		○	○	○	Qv,Qvc			D	
82	ML- 8	Low											4	3	1			○	○	○	○	N (L)	Low	Low					○	Qvr			E	
83	ML- 42	Low								4 (1*)	1							○	×	△	○						○	○	○	Qv			E	
1	MH- 11			①													Tignamar(M)	○	△	○	○		Low		Low	○	○	◎	◎	**Kv(s)**,Qv	○	○	D	O(North Tignamar)
2	MH- 44								②(1*)	1 (1*)		1					Q.Elizabeth_L(M)	○	○	×	○		High	High	High	○	○	◎	○	Kgd,Qv,Kv(m)	○	○	C	O(Q.Elizabeth)
3	MH- 49												3	④	1		Cerro clorado(M)	○	△	○	○	N (H)	High	High		○	○	○	○	Kv(i),Kgd,Qvc	○	○	B	
4	MH- 71		①														Q.Blanca(M)	○	○	○	○		Low			○	○	◎	○	Kv(m),Pzg,Kgd	○		C	
5	MH- 53	High	1	1														○	○	○	○		High		High	○		◎	◎	**Kv(i),Kgd**	○		C	
6	MH- 68	High											3	1	1	1		○	△	○	○		High			○	○	○		Kv(m),Kv(i),Kgd	○		C	
7	MH- 73	High							2			1						○	○	○	○		Low	Low		○	○	○		**Kgd,Kv(i)**	○		C	
8	MH- 52	High							2	3	1							○	○	○	○							◎	◎	Kgd,Jm(s),Kv(i)	○		C	
9	MH- 66	High											1	1	1			○	○	○	○		Low	Low	Low		○		○	**Kv(i),Jm(s)**	○		C	
10	MH- 37	High									1							○	○	○	○		Low	Low		○		○	○	p C,Kc(i),Kgd	○		B	
11	MH- 45	High	3															○	○	○	○					○	○	○		Qvc,Tig,**Kgd**	○	◎	B	△(Mocha)
12	MH- 7	High							1			1						○	○	○	○		High	High				◎	○	**Kgd**,Qvc	○	◎	B	
13	MH- 8	High											2	1		1		○	○	×, △	○		Low	Low	Low				○	Tig,Qvr			B, C	×(PutreSW)
14	MH- 13	High											2	2	1			○	○	○	○							◎	○	Tig,			B	
15	MH- 18	High	1	1														○	○	○	○	N (H)	Low		Low			○	○	Tig,Qvc			B	
16	MH- 25	High											3	3	2			○	○	○	○							◎	○	Qvr,Kv(i),Jm(s)	○	○	B	
17	MH- 30	High								1 (1+)	1							○	○	○	×, △								○	Qv			B	
18	MH- 55	High											2	2	1			○	○	○	○		Low		Low		○			Qvc			B	
19	MH- 62	High		1														○	△	○	○							○	○	Tig			B	
20	MH- 74	High	2	2														○	○	○	○								○	Qvc,**Jv(i)**	○	○	B	
21	MH- 76	High											2	3	1			○	○	○	○								○	Qvc			B	
22	MH- 17	High	3															○	○	○	○		Low	High					○	Tig			B, C, D	
23	MH- 12	High							2(1*)	3		1						○	○	×, △	○						○	○	○	**Kv(s)**,Qv	○	○	D, E	
24	MH- 19	High											1	3 (1+)	1			○	○	○	×, △								○	Tig			D	
25	MH- 9	High	1															○	△	○	○		Low							Qvc			A	
26	MH- 24	High											1	1	1			○	○	○	○				High			○		Qvc			A	
27	MH- 47	High	2	1														○	○	○	○		Low						○	**Kgd,Kv(i)**	○		A	
28	MH- 48	High	4	2														○	○	○	○									Qvc			A	
29	MH- 50	High												2	1			○	△	○	○									Qvc			A	
30	MH- 51	High											1	4	1			○	△	○	○									Qvc			A	
31	MH- 54	High	1	1														○	△	○	○									Qvc			A	
32	MH- 61	High											2			1		○	○	○	○		Low						○	Qvc,Tig			A	
33	MH- 63	High							1	2	1							○	○	○	○									Qvc			A	
34	MH- 72	High											3	2	1			○	○	○	○								○	Qvc,**Jg**	○	○	A	
35	MH- 77	High											3	1		1		○	○	○	○								○	Qvc			A	
36	MH- 4	High											2	2	1			○	○	○	○		High		High	○				Qvc,Qv,Kv(s)	○	○	E	
37	MH- 2	High	3 (1*)	2														○	○	×, △	○		Low							Qv,Qvr,Qcp			E	
38	MH- 6	High							3	4		1						○	○	○	○				High				○	**Kv(s)**,Qvc	○	○	E	
39	MH- 28	High	2	1														○	○	○	○							◎	○	Qv,Qvr			E	

AP-59 Evaluation of Medium Wavelength Magnetic Anomalies (3/3)

	MW Anomaly No.	Priority	Number of short wavelength anomaliy by MW-SW correlation type														Relation with Porphyry-Cu Deposit	Correlation with 24,475 - 24,525 nT RTP zone	Correlation between SW and 24,475 - 24,525 nT RTP zone	Quaternary Volcano	Correlation with topography	Paleo-magnetism	Suscep. of MW anomaly area	Suscep. of SW anomaly area		Phyllic alteration	Alteration zone in TM & Geoscan images	Lineaments in TM image	Faults in existing geological maps	Geology	Basement rocks	Partial covering of young volcanics	Metallogenic province	Verification by surface survey
			M		C		I		M−C				M−I							O not exist × exist	O not exist × exist			H	L									
			High	Low	High	Low	High	Low	M		C		M		I																			
									High	Low	High	Low	High	Low	High	Low																			
40	MH- 1	Low	4	1 (1*)														○	×	×	○								Qcp,Qv			E	
41	MH- 3	Low	1 (1*)	1														○	△	×	○		Low	Low		○	○	○	◎	Tgd,Kv(s),Qv	○	◎	E	
42	MH- 10	Low							2	5	1 (1*)							○	○	×	○							○		Qv,Qvc			E	
43	MH- 14	Low		1														×	×	○	○		Low				○	○		Tig,			B	
44	MH- 36	Low																○	×	○	○									Qvc,Tig			B	
45	MH- 40	Low								3	1							○	×	○	○		Low							Qvc,Tig			B	△(Mocha)
46	MH- 59	Low																○	×	○	○		Low				○	○		Tig			C	
47	MH- 64	Low								1	1							○	×	○	○		Low	Low	Low			○		Tig,Qv			C	
48	MH- 67	Low	2															○	×	○	○									Qvc,**Kgd**	○	◎	B	
49	MH- 70	Low																×	×	○	○		Low			○	○	○	○	**Kv(i),Kgd**	○		C	
50	MH- 75	Low	1															×	×	○	○									Qvc			A, B	
51	MH- 22	Low							4 (4+)	1		1						○	○	○	×								○	Qv,Kv(i),Tgd	○	◎	B, C, D	
52	MH- 31	Low	3(1*)	3 (1*)(1+)														○	○	×	×						○	○		Qv			C, D	
53	MH- 23	Low	2 (1*)(1+)	1														○	○	×	×		High		High	○	○	○	○	Qv,Kv(i),Tgd	○	◎	D	×(CaminaNE)
54	MH- 26	Low							4 (2*)	2(1+)		1						○	○	×	×						○	○	○	Qv			C, D	
55	MH- 32	Low							3 (1*)	2(1*)		1(1*)						○	○	×	○						○			Qv			D	
56	MH- 33	Low	1															×	×	○	○								○	Qvc			A, B	
57	MH- 42	Low													2	1		×	×	○	○		High		High					Qvc			A	
58	MH- 65	Low	1															○	×	○	○									Qvc			A	
59	MH- 5	Low					1											×	×	○	○						○	○		**Tgd**,Qvr	○	◎	A	
60	MH- 16	Low																○	×	○	○									Tig,Qvc			A	
61	MH- 20	Low							1			1						×	×	○	○							○	○	Qvc,Tig,Kv(i)	○	○	A	
62	MH- 27	Low																○	×	○	○							○		Qvc			A	
63	MH- 29	Low											1			1		○	×	○	○							○		Qvc			A	
64	MH- 35	Low							2	2	1							×	×	○	○							○		Qvc			A	×(Minimine)
65	MH- 38	Low	2	2														×	×	○	○							○		Qvc			A	×(ChusumisaNE)
66	MH- 41	Low							2	2		1						×	×	○	○									Qvc			A	
67	MH- 43	Low	2	2														×	×	○	○									Qvc			A	
68	MH- 46	Low											4	2		1		×	×	○	○									Qvc			A	
69	MH- 56	Low					1											×	×	○	○									Qvc			A	
70	MH- 57	Low								2	1							×	×	○	○									Qvc			A	
71	MH- 58	Low																×	×	○	○									Qvc			A	
72	MH- 60	Low																×	×	○	○									Qvc			A	
73	MH- 69	Low											2	1	1			○	×	○	○								○	**Jv(i),Jg**	○		A	
74	MH- 15	Low	2 (1+)	3 (1+)														○	○	○	×		High	High	Low			○	○	Qv,Tig			D, E	
75	MH- 21	Low	4 (2+)	1														○	○	○	×						○	○	○	Qvr,Tig,Kv(i)	○	○	E	
76	MH- 34	Low							3	1		1(1*)						○	○	×	○		Low			○	○	○	○	Qv			E	
77	MH- 39	Low							2 (1*1+)	1		1						○	○	×	○						○		○	Qv			E	

*: Number of SW anomalies corresponding to Quaternary Volcano
+: Number of SW anomalies corresponding to Topogrphy