APPENDICES

An attachment to the Table 1 and 2

ABBREVIATIONS USED IN THE TABLE

Mineralogy

Ag-tet:silver bearing tetrahedrite
apy:arsenopyrite
bn:bornite
cc:chalcocite
cov:coveline
cp:chalcopyrite
Cu-oxi:copper oxide minerals
gn:galena
ht:hematite
mol:molybdenite
mt:magnetite
po:pyrrohotite
py:pyrite
sche:scheelite
sp:sphalerite
wol:wolframite

bar:barite
cal:calcite
chl:chlorite or chloritization
qz:quartz
ser:sericite or sericitization
arg:argilization
limo:limonite

Petrology

and:andesite
apl:aplite
gr:granite
ker:keratophyre
ls:limestone
peg:pegmatite
phy:phyllite
sch:schist
int:intrusion
volc:volcanic

General

na:not available
Mt:milliontonnes
Kt:kilotonnes
EMA:Empresa Minera de Aysen
aprox:approximately

Table 1 List of the Mineral Prospects and Mines in the Survey Area(1)

Area No.1 Lonquimay area

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder≠
1-1	Galletué mineralized zone	38°42′36″ 71°19′19″	Cu,Mo	cp,py,mol, (mt,po,sp) / qz	Disseminated + Stockwork + veinlet (Porphry Cu-Mo deposit)		1kmx0.5km	Stockwork-disseminated ore(average value)		0.12			23	Tonalite	qz-ser (inner zone) and chl-epi (outer zone)	Geological, geochemical survey and IP(28.2km)+ drilling(8 holes,1334m) by MMAJ	no
								at max:		0.43			1700				
								Veinlet sample (average value)		0.14			54				
								at max.		0.82			730				
1-2	Rio Qinquen	38°34′05″ 71°22′10″	Fe,Cu	mt,cp,po,ht / qz	Stockwork-Disseminated		250x300m ;extention of alteration zone	40 ppb	0.9	0.07	-	-	8	Quartz diorite	sil+ arg	Geological, geochemical survey(MMAJ)	no
								"-"express "<0.01%"									
1-3	Estero El Saltilo	38°35′26″ 71°21′23″	Fe	po	Disseminated		500x300m							Shale and sandstone	ditto	ditto	no
1-4	Estero Cajin Chico	38°35′29″	Fe	py(po+cp)	Veinlet and disseminated along beds		400x300m	<40 ppb	0.4	0.02	-	0.01		Sandstone and shale	ditto	ditto	no
1-5	Mallín del Torro	38°40′16″ 71°25′29″	Fe	py,po(cp)	Disseminated		800x1000m							Shale and sandstone	sil+ chl	ditto	no
1-6	La Fusta	38°35′32″ 71°26′41″	Fe	py	ditto		100mx300m: extention of alteration zone	<40 ppb	<0.2	-	-	-	8	Gneiss	sil+ ser	ditto	no
1-7	Río Pacunto	38°32′ 71°19′		po,py,cp, free Au? / qz	Veinlets	N30E	Each veins are 1 to 5cm wide extending 5-10m along strike Width of mineralized zone is 2km	38 g/t	9.1	0.07	-	-	12	Quartz-diorite	sil+ chl	No work,but trenching and shallow shaft were tried to skarn deposit in vicinity. Preliminary geochemical work as well	

*: expressed as g/t for Au and Ag ,and as % for others

≠: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(2)

Area No.1 Lonquimay area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder※
1-8	Cordillera Lonquimay	38°32'04" / 71°21'41"	Fe	cp,mt / qz	Vein single vein	N50W 75N	Very small	<40 ppb	0.3	-	-	-	9	Shale and sandstone	no	Geological. Geochemical work(preli-minary)	no
1-9	Estero Huemules	38°32'32" / 71°21'14"	Fe	py / qz	Vein	N20E 80W	4 veins are recognized	<40 ppb	<0.2	-	-	-	5	Tonalite	sil+ ser	ditto	no

"-" express <0.01%

Area No. 3 Futaleufu-Alto Palena area

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade *	Country rock	Altera-tion	Exploration & Production	Title holder※
3-1	Anomalia I de Cobre	43°11' / 71°53'	Cu	cp,ht	Vein		3m wide, 20m along strike Extention of 40m to depth is expected Ore reserve of 6,000t @ 2.97% Cu is expected	No assay data on outcrop	na	na	no	no

*: expressed as g/t for Au and Ag ,and as % for others

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(3)

Area No.4 Alto Cisnes-El Toqui area

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder※
4-1	Cerro Estatuas	45° 02′ 00″ / 71° 58′ 05″	Cu-Pb-Zn -(Ag)	sp.cp.gn.py / gangue:na	Manto	E-W dip:na	Composed of 5 ore bodys:- 1:2x35m 2:Upper:2x40m Lower;3.7x50m 3:Upper;3x70m Lower;7.4x70m 4:Upper;4x18m Middle;7.8x40m Lower;4x38m 5:Upper;1.5x?m Middle;7x200m Lower;2x250m Ore reserves:- Proven:1.5Mt Probable+possible:3.6Mt Grade:na Further 5 Mt as potential	average ore grade 0.5	183	0.7	4.5	12	-	Lava.trachytic tuff and metasediment (Ibañez Fm.)	na	·Room and Pillar ·Exploration :na	Sociedad Contractual Minera Toqui
4-2	Rio Correntoso	45° 28′ / 72° 16′	Mo-Cu +(U-Pb)	mol.cp / gangue:na	Vein	N60-70E/ 90-70NW	0.3m^{wd} (max.) 20m in strike	not available 0.12 to 4% as U_3O_8						Granitic rock partly with apl. +peg.	na	na	na
4-13	Lago Atravesado	45° 41′ 51″ / 72° 15′ 41″	Pb-Cu-Zn	py.gn.cp. Cu-oxi / gangue:na	Vein	N-S/80E and E-W/75E	2 veins recognized;30cm and 5cm wide. Strike length: na	-	2.9	0.16	700-525ppm	-	-	Andesite lava+dacitic intrusion in gr. (Ibañez Fm.)	Ser+Arg	na	na
								rock chip samples of altered rock									

*: expressed as g/t for Au and Ag ,and as % for others

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(4)

Area No.4 Alto Cisnes-El Toqui

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
4-3	Santa Teresa (El Condor or Katterfeld II)	44°45′48″ / 71°55′52″	Cu-Pb-Zn Au-Ag	cp,sp,gn,py / qz	vein	N35-45E 40S	1-3m in wd. 120m in strike	64 65	465 na	0.25 1.1	21.4 40.4	0.05 5.3	- -	Dioritic rock	na	na	Carmen Reyes
								(2 samples)									
4-4	Mina el Toqui	45°01′ / 71°54′	Cu-Pb Zn-(Ag)	Mantos:sp, cp,gn,py Veins:gn,sp, cp / gangue:na	Manto and vein characteristic features of the each type are not known.	N-S dip:na	Extention of deposit:na Ore reserves: proven;1.5 Mt probable+possible:3.6 Mt potential; 5Mt (The El Toqui composes of several ore-bodies,such as San Antonio, Zuñiga,Estatuas ,Antolin and Concordia) The above figures show the sum of ore reserves of some deposits.	-	183	0.7	4.5	12	-	Altered tuff +volc.rocks of Ibanez Fm	na	Exploration: na The mine started production with the Mina Ketterfeld in early1983. On the June, 1984,production achieved to: 38,000t of Zn conc.@54%Zn 5,000t of Pb conc.@60%Pb 2,500t of Cu conc.@25%Cu	Sociedad Contructural Minera Toqui
								Averaged grade with ore grade of Cerro Estatuas combined									
4-5	Mina Katter Feld (Nirehuao)	45°05′00″ / 71°35′00″	Cu-Pb-Zn -(Au-Ag)	cp,sp,gn / qz	vein with some parallel veins	N20-35E 80W	1-4m in wd. 29m in strike Ore reserves: proven;30,000t probable+possible:60,000t potential; 12Mt ore grades:na	4	150	1.89	2	4	-	Andesite of Ibañez Fm. and Int.of diorite.	ser.	exploration: na production: start:1959 In the summer of 1983,under the control of the Mina Toqui.	ditto
								(Mean value)									

*: expressed as g/t for Au and Ag, and as % for others

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(5)

Area No.4 Alto Cisnes-El Toqui area(continued)

No.	Prospect and Mine	lat ˢ / lon ᵂ	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder※
4-6	Veta Campamento or Estancia Cisnes	44°34′ 71°25′	Cu.Mo	cp.mol / qz.ht	Vein	N10W 35E	0.15-0.25m wide 25cm in strike	na	na	0.0 to 1.1 (3 samples)	na	na	0.0 to 0.4	Granite-granodiorite	na	na	na
4-7	Estancia Cisnes	44°25′ 71°23′	Cu	Cu-oxi / ht	Disseminated	na	na	na						Andesite	na	na	na
4-8	Campo Grande	44°56′ 72°04′	Pb	gn / gangue:na	Vein	N50W 90	na	na						Sedimentary rock(upper Jurassic or lower Cretaceous)	sil py	na	na
4-9	Rio Cisnes entre Rio Pedregoso y Estero Solis	44°37′30″ 71°37′30″	Mo	na	Vein?	na	na	na						Granite	na	na	na
4-10	Rio Cisnes entre Rio Pedregoso y Estero Buitre	44°36′04″ 71°35′03″	Mo	mol,py,cp, apy / qz	Vein	N55-70E 60-70SE and N70W 45S	1-15cm wide 30m in strike	20†	0.1	35†	137†	40†	0.2	Diorite	na	na	na
4-11	Puerto Cisnes	44°45′ 71°37′	Fe	ht,cp	Disseminated	na	na	20†	0.9	338†	34†	324†	26†	Traignén Fm. (Petrology: na)	na	na	na
								Fe:20.6% Max.grades from 18 samples									
4-12	Arroyo de los Canelos (Cisnes Medio)	44°47′ 71°58′	Cu	py,cp,ht	Lense-shaped	na	Max. 2m²	<20†	0.1 to 0.5	79 to 700†	29 to 38†	<140†	<2	Lava(Divsadero Fm)	sil	na	na

*: expressed as g/t for Au and Ag, and % for the others

†: expressed as ppm

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(6)

Area No.5 Ibañez-Murta area

No.	Prospect and Mine	lat ˢ / lon ᵂ	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Tenement holder※
5-1	Rio Huina	46°19'22" / 72°47'52"	Cu	cp / qz	qz vein	na	wd.0.4m	na						na	na	na	na
5-2	Cerro El Coco	46°22'00" / 72°47'51"	Cu(-Pb)	cp,gn,py,po / fine-qz	vein(lense-shaped)	N25-50°W 60°E	wd.2m(max.) 1m(av.)	-	-	2.74	-	-	-	In contact of gr+and.	na	Trenching	na
5-3	Veta Perez	46°31'51" / 72°45'37"	Pb-Zn	gn,sp / gangue:na	ditto	N20W-NS/ 25W	wd.0.4m(max) 10m(visible), 500m(possible) in strike	na						In contact of ls.+granitic apl.	na	na	na
5-4	Veta Dionisio Villarreta	46°23'45" / 72°38'57"	Cu	po,cp,py / qz	vein	N25E/ 85N	0.2-1.5m in wd. 7-10m in strike	-	-	3.67 and 21.7	-	-	-	qz porphry and greenschist	ka	na	na
5-5	Rio Resbalon	46°24'56" / 72°36'07"	Cu	py,cp / qz,chl	vein (2veins recognized)	N10W/85W N70E/90	0.4m in wd. (each) 5m and 1m in strike	-	-	15.1 (selected sampele from the rich part)	-	-	-	Phyllite	na	na	na
5-6	Felix Barria	46°28'56" / 72°38'31"	Cu	py / qz,chl	vein	N45E/ subvert-ical to E	0.1-1m in wd. 15m in strike	-	-	4.26	-	-	-	Metamorphic rock	na	na	na
5-7	Mina Cerro Castillo	46°05'11" / 72°12'55"	Mo-Cu-Pb (-W-U)	ht,mt,py, mol,cp,gn +trace of wol,radio-active min. / gangue:na	veinlet	na	5-15cm in wd. 20m(max.)in strike and 15m in depth veinlets with 3-5m spacing	na						Intrusion of granodiorite into volca-nic sequence (Ibañez Fm.)	na	na	na
5-8	Mina Las Chivas	46°33'40" / 72°32'48"	Cu	cp,py / qz,cal	veins	N10-30 70-90W	1.5m in av.wd. (0.2-6.0m) 1,700m in strike 100m in depth	na						mica sch. +phyllite There are pre and/or post mine-ralization faults.	na	2,200m adits in 8 levels	EMA

*: expressed as g/t for Au and Ag, and as % for the others.

※: not defined as mining title or exploration title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(7)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat ˢ / lon ᵂ	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-8	Mina Las Chivas (continued)						Ore reservbes proven:8,000t @2%Cu low grade ore; 3,000t@1.5-2% possible; 20,000t@1.5-2%									Roechmann spent US$0.6M for exploration(IP) to have obtained ore reserve 0.1Mt@ more than 4% Cu	
5-9	Mina El Pelado	46°31'37" 72°29'55"	Pb-Zn -(Ag-Cu)	gn,sp+minor py,cp / gangue:na	Manto	N40W/ 20-30NW	na for thickness.200m in strike. Ore reserves probable:4.5Kt possible:20Kt	-	120	0.5	4	12-13	-	Marble. Contact with grey phy. is dislocated by faults.	na	adit and 10 drills (360m in total) production apx.8,000t annual@4%Pb, 8%Zn and 150 g/tAg.	ditto
5-10 to 5-19	Mina Silva	46°32'50" 72°24'55"	Pb-Zn	sp,gn+minor Ag-tet,cp,py apy / cal,qz	irregular massive Vertical zoning is recognized: upper:Pb>Zn lower:Zn>Pb	N30E/ 15N	wd.and length :variable apx.500-3000m³ in volume of each ore body	na	na	na	4.5	12	na	Ls(Pz) with 1,000m thickness	na	development: 6,000m adits in total were developed in nine levels. production: -1968: 233,000tPb ore -1980: 105,000t in 1980 9,432t@4.8%Pb 10.4%Zn	EMA

crude ore grade ?

Outcrop(after MMAJ, 1979)†:expressed as ppm

wd[m]	Ag†	Cu	Pb	Zn
4.0	8.3	157†	272†	4.60
5.0	81	535†	1.65	26.40
1.5	<0.5	8†	<20†	220†
3.0	1.1	10†	20†	480†
na	na	6†	<15†	60†
3.2	7	76†	102†	2.0
0.5	175	910†	4.42	230†
1.3	198	0.13	305†	12.9
1.5	198	910†	615†	48.6
4.0	81	0.12	2.05	25.30

*: expressed as g/t for Au and Ag, and as % for the others.

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(8)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-20 (a)	Veta Anita (Rio Avellanos 1)	46°27'53" / 72°12'47"	Cu-(Pb)	py,apy,cp po,gn / gangue:na	vein	N20W 50SW	0.6m in wd.	-	-	13	-	-	-	Sodium Trachyete (ibáñez Fm.)	na	Exploration adit(duration + amount:na)	ditto
5-20 (b)	Rio Avellanos E	46°29'32" / 72°10'23"	Au-Cu	free gold / qz	vein	na	1m in wd.	20	-	4-5	-	-	-	Qz keratophyer (Ibáñez Fm.)	na	na	ditto
5-21	Mina Casca O Cascara	46°21'20" / 72°01'14"	Cu-Pb-Zn	cp,gn,sp,py / qz	vein	N40E dip:na	wd.:na 200m in strike	na						Lava (Ibáñez Fm.)	sil	adit of apx. 70m	ditto
5-22	San Jose de Ibañez	46°18'04" / 71°58'11"	Cu-Pb-Zn	vein1:cp,py cal vein2:gn,cp, py,sp qz,cal vein3:cp,py gn gangue:na	vein	na	3 veins recognized: vein1:0.3m wd. vein2:0.1-0.6m in wd, 2m in strike vein3:vesicular shaped	na						Tuffs of Ibañez Fm.	na	na	Jose Domingo Parra (Puerto Ibañez)
5-23	Mina Long	46°20'48" / 71°59'16"	Pb-Zn	sp,gn / cal	Manto	N30W 15SW	0.1-0.7m thick 25-30m in strike, 10m in depth Ore reserves: proven:1,000t	na						Andesite lava(Ibañez Fm.)	na	Workings on 2 horizons of 30m in total. Otherwise, various short adits.	EMA
5-24	Prospecto Cerro Castillo	46°05'18" / 72°10'18"	Cu	py,cp,po, mt,ht	Disseminated		Extention: Sector north: 1,100x250m Sector south: 800x150m	na						Int.of granodiorite in volcanic sequence of Ibañez Fm.	qz-ser	na	na
5-25	Mina Fenix	46°08'03" / 72°08'08"	Pb-Zn -(Cu)	sp,gn,cov, py / qz,cal	vein 2 lense-shaped ore pockets recognized	N-S to N15W/90	0.2-1.85m in wd. 300m in strike proven(minable) :2,952t@5.5%Zn probable:6,600t @ 3%Pb+5%Zn	-	-	-	1.2	6.2	-	Tufaceous sedimentary rock+andesitic lava. Qz veins in sediments.	limo	na	na

*: expressed as g/t for Au and Ag, and as % for the others.

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(9)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder‡
5-26	Campo Viuda Cisternas (Veta Ramón Cisteranas)	46°08'03" / 72°07'40"	Pb-Zn	gn.sp+(cp, py,bn) / qz	vein	N10W/ 90	0.15-0.4m in wd 200m in strike	na						Andesite lava(Ibañez Fm.)	na	adit:6m 2 shafts: 3-4m in depth	na
5-27	Media Luna	46°08'53" / 72°08'08"	Pb-Cu	Pb and Cu oxides / qz	vein	na	8 veins recognized	na						Ibañez Fm.	na	na	Jose del Carmen Cea Carvajal
5-28	Ana(Campo Anselmo Medina?)	46°09'47" / 72°03'38"	Cu-Pb -Zn	sp,gn,cp, cov,py / qz,cal	vein	N40W 80W	0.2-1.5m in wd. 15m in strike	-	-	0.1		0.15	-	Ibañez Fm.	qz-limo	na	CIA.MIN. Fenix de Coyhaique
								+ indications of Au+Pb									
5-29	Patagonia (Mina Las Horyencias?)	46°10'36" / 72°01'42"	Cu-Pb -Zn-(Ag)	sp,gn,cp, cov,py / qz,cal	vein	N78W to N60E vertical	1-3cm in wd. 5m in strike Detailes: veta Patagonia: N80W/90 1.3m^{wd} veta Algria: N70E/90 0.8m^{wd} veta Nire: N60E/90 2-3cm^{wd} veta Caiquenes: E-W/90 3-10cm^{wd}	-	85	0.52	7.8	7.5	-	Volcanic breccia etc. (Ibañez Fm.)	na	na Old workings are present.	ditto
								chip samples from old workings									
5-30	Alteracion Pico Rojo	46°15'54" / 71°47'39"	na	na	na alteration only	na	na	na						Basaltic stock intruded into Ibañez Fm.	limo+ sil	na	na
5-31	Cerro Ovando	46°22'25" / 71°45'23"	Pb-Zn -Ag-(Cu)	cp(other minerals are not described)	Manto (with diss. cp)	na	50-100m thick 3,000m in strike	na						Sequence of lutite+calc. lutite (Ibañez Fm.)	na	adits of 25m	na
5-32	Alteracion Zanjon Francisco	46°23'20" / 71°53'55"	na	na	na alteration only	na	na	na						Acidic rock. changing gradually to intermediate	sil+ limo	na	na

*: expressed as g/t for Au and Ag, and as % for the others.

‡: defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(10)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder#
5-32	Alteration Zanjin Francisco (continued)													rock with continental deposit (Ibañez Fm.)			
5-33	Islas Levicanes	46°23'17" / 71°45'56"	Pb	na	na	na	na	na	na	na	60	na	na	Ibañez Fm.	na	na	na
5-34	Vista Alegre (Veta Hermosa)	46°29'21" / 72°05'30"	Pb-Zn -Cu	gn,sp,cp,py / cal,qz	vein	N10E 70W	0.2m in wd. 40m in strike	na	na	860	133	220	2	Acidic to intermediate volc. rock (Ibañez Fm.)	na	production suspended in 1960. 1 adit of 40m and 3 caves	EMA
								expressed as ppm (1sample)									
5-35	Arroyo Escondido	46°32'24" / 72°20'35"	Cu-(Zn)	vein1:cp,py cc,bn vein2:sp,cp py	vein (2veins recognized)	N27E/90 N67E/90	1.5/1.2m in wd 10m in strike	na / na	na / na	8.12 / 10.5	na / na	na / na	na / na	Gneis(Pz)	na	trace of explossives at a small scale	na
								Assays of 2 samples									
5-36	Mina Rosilld	46°32'11" / 72°23'55"	Zn-(Pb)	sp,gn,py,cp / gangue:na	Subhorizontal Manto and disseminated ore. Manto shows zonation:- Zinc(+gn) zone(outer) +pyrite zone	na	1.5-2.5m thick Ore reserves proven:400t	Pyrite zone na	11	0.09	0.02	4	na	In contact of marble +phyllite	sil + trace of cp-py diss in the western part	production: Jan.-Dec.1979 4,984t@15.8% Zn ore Jan.1980 101t@6.14%Zn ore	EMA
								Zinc zone na	40	0.10	0.5	37	na				
5-37	Veta del Puerto	46°32'53" / 72°25'23"	Pb	gn / gangue:na	vein	na	2.5-3m in wd.	na						Marble	na	na	ditto
5-38	Campo de Jose Muñoz Leiva	46°36'28" / 72°29'12"	Cu	cp,Cu-oxides / qz	vein	N13W 90	0.3m in wd. 20m in strike	na						In contact of granitic rock+metamorphic rock	na	na	na

*: expressed as g/t for Au and Ag, and as % for the others.

#: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(11)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder¥
5-39	Olga,Olguita Sur y Roma	46°32'12" 72°28'17" aprox.	Pb-Zn	gn,sp / gangue:na	vein	N35E/90 (Roma)	Olga Sur:0.1m, Roma:1m in wd. 100m in strike	na						Marble with intc.calc. sch.lieing above phy. Schistosity, NE/90,extend to SE of El Pelado	na	Only Olguita was mined at a small scale with 100t of production	EMA
5-40	Minas del Bajo	46°32'23" 72°29'50"	Pb-Zn -Cu-(Ag -Au)	gn,sp,cp / gangue:na	Manto ? dislocated by faults	na	100-150m thick 1000m in length	0.76	225	0.93	5.45	6.04	-	Brecciated calcareous rock	na	Continuous exploration works were conducted but suspended in 1960.	na
5-41	Prospecto el Toro (Cerro el Toro)	46°32'13" 72°31'24"	Cu-(Pb -Zn)	po,py,cp sp,gn / gangue:na	lenticular vein	N30W 15SW	Distribution area:300x25m Width and continuity in depth: na According to Flores(1964): Strike length is about 1,000m with combining El Toro & Las Piritas Tobar(1964): the deposit is stockwork	-	-	23	1.0	3.6	-	Lense of crystalline ls.with intercalated phyllite.	na	exploration: 3 adits(300m in total). production: na	EMA
5-42	Prospecto las Piritas	46°32'12" 72°31'25"	Cu	po,py,cp (sp,gn) / gangue:na	lense	N30W? 15SW	20-25m in wd. 100m in strike	0.5	-	1	-	-	-	Limestone with intc. of phy.	na	No activity	ditto

*: expressed as g/t for Au and Ag, and as % for the others.

¥: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(12)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat ˢ / lon ᵂ	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-43	Farellon Sanchez	46°32′45″ / 72°32′48″	Cu	po,cp / gangue:na	Vein (rich in po)	N10W 30-50E	1m in wd.	<0.2	-	2.04	-	-	-	Metamorphic rock	na	An adit of 8m	EMA
5-44	Veta el Llano	46°34′19″ / 72°32′43″	Cu-(Au)	po,(cp) / gangue:na	Lenticular vein	N5W 90	2m in max.wd. 25m in strike	1.4	-	1.12	-	-	-	Green sch. (Basement metamorphic rock)	na	2 short adits	ditto
5-45	Las Mulas	46°34′45″ / 72°33′49″	Cu	po,cp / gangue:na	Small lense	N50E	100m in strike	na						ditto	na	production: Oes @ 3%Cu were mined on the scale 10mx2m	ditto
5-46	Pertenencias Costanera	46°35′24″ / 72°34′22″	Zn-Cu	sp,cp / gangue:na	Manto	na	0.6-1m thick	na						Schistose rock	na	Very small prospecting adit only adit	na
5-47	El Flores	46°35′31″ / 72°33′45″	Cu-Zn	po,cp,sp / gangue:na	Lense	NE dip:na	2m in max. wd. 50m in strike	na						Basement metamorphic rock	na	Small trenchs and pits	EMA
5-48	Veta Pampa	46°35′56″ / 72°33′17″	Cu	po,cp / gangue:na	Lense swarm	N-S dip:na	10m in max.wd. 20-30m in strike(max150m)	na						ditto	na	Trenching	ditto
5-49	Isla Malvina	46°39′29″ / 72°35′27″	Cu	py,cp,Cu-oxides / qz	Veinlets	N35W subvert.	0.2m in wd. 6m in strike 3.5m in depth	na						Ls. and phy.	na	na	na
5-50	Cerro Colorado (a part of Prospecto Morro Colorado)	46°33′33″ / 72°37′34″	FeS	py,po / gangue:na	Lense swarm	na	1-2m in wd. (max.10m) 30m max in strike	na						Sl.and phy. with segregated qz+ intercalated green phy.	na	na	na
5-51	Veta el Plomo	46°36′31″ / 72°39′22″	Pb-Ag	gn / gangue:na	Vein	N15E 85E	0.2-0.3m in wd. 20m in strike 5-6m in depth	-	1200	-	-	-	-	Mica sch.	na	Open pit: 41x2x6m Adit:25m	EMA

*: expressed as g/t for Au and Ag, as % for the others. ※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(13)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-52	Mina Lago Negro	46°33′5″ / 72°38′54″	Cu	po,py,(cp) / gangue:na	3 lense-shaped ore body	NE 50-80N	2-20m in wd. 50-100m in strike Ore reserve: Probable:495t @0.35% Cu	na						Mica sch+ green phy.	na	Production: 10.000t @ 3.15%Cu (duration not known)	EMA
5-53	Campo Clemente Alarcon	46°38′ / 72°31′	Cu	po,cp,py Cu-oxides / qz	Veinlets	N30E subvert. in general	0.1-0.5m in wd. 100m in strike	0.4-0.7 %Cu 4.7-6.6 %Cu 2.1-6.2 %Cu (assays of three veins)						Phy.and ls. (Basement metamorphic rock)	na	Trenches and small pits	na
5-54	Veta Torres	46°25′ / 72°40′	Cu	py,Cu-oxides / gangue:na	Vein	N30W 84N	0.25m in max.wd 7m in strike 5m in depth	na						Phy.	na	na	na
5-55	Campo Felix	46°26′48″	Cu	cp,py,po	Veinlets	hor.	0.1m in wd.	1.2	-	9.65	-	0.17	-	Intercalated marl in grey schistose rock	na	Some shafts distribute.	na
5-56	Río Engaño	46°28′7″ / 72°43′52″	Mo	mol / gangue:na	ditto	irreg. sub-hor.	1km in strike wd.:na	na						Peg. related with Patagónia batholith	na	na	na
5-57	Veta Cascada Murta	46°29′45″ / 72°45′23″	Mo	mol,py,cp / qz	Vein	N25E 45SE	0.2-1m in wd. 60m in strike (visible part)	na						In contact zone of phy. and grano-diorite	na	Collapsed old workings are present.	na
5-58	Sector Alvarado	43°30′16″ / 72°45′	Cu	po,py,cp / clay	Vein	N45W 75NE	0.6m in max.wd. very short in strike length	-	-	1.12	-	-	-	Granite	na	na	na
5-59	Isla Rivera	46°32′37″ / 72°42′38″	Cu	py,po,cp / Cu-oxides	Lenticular vein	N30E sub-vert	3-7m in wd. 200m in strike (visible part)	-	- 2 samples	0.39	-	-	-	In contact zone of phy. and granite	Nearly none	na	na

*: expressed as g/t for Au and Ag, and as % for the others

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(14)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-60	Lago Tranquillo	46°39′ / 72°48′	Cu	cp / qz	Vein-shaped	N50E sub-vert	0.4m in wd. 15m in strike (visible only)	na						Andesite dyke int. in black phy.	sil	A pit with 3m depth	na
5-61	El Encanto	46°42′40″ / 72°40′52″	Cu	cp,py / gangue:na	Vein-shaped manto	N40-70W 45-55S	3m in wd. 200m in strike 20m in depth	-	-	0.29	-	-	-	Strata of 1m as intc. in phy.	na	Adit of 15m	na
5-62	Veta De La Mona	46°33′37″ / 72°32′25″	Cu	cp,py / qz	Lenticular veins	N35W 68NE (principal)	0.8-1m in wd. 100m in strike Other vein(N30E/E)conjoins with principal veins and forms bonanza possibly	na						Metamorphic rock(Pz)	na	na	na
5-63	Veta Hualo I and II	46°33′49″ / 72°33′12″	Cu	py(cp) / qz	Vein	N50E 80E	0.4m in wd. 100m in strike	0.6 0.2	na na	na na	na na	na na	na na	Metamorphic rock(Pz)	na	2 small pits of 2m and 3m in depth.	EMA
5-64	Veta Olegario	46°33′03″ / 72°32′47″	Cu	cp / qz	Vein	N45W 85E	0.1m in wd. incl.veinlets 1000m in strike	na	na	20 (maximum value)	na	na	na	Phyllite(Pz)	na	Drift of some 10m Width up to 0.8m Ore grades up to 20% Cu	ditto
5-64	Janiz	46°33′30″ / 72°28′15″	Pb-Zn	gn.sp / qz	Vein	N20E 80NW	2mx90m	-	165	0.05	5.82	0.32	-	In contact of ls.and sch.	na In the vicinity. sharn exist	na	na
5-65	Afloramiento Juan	46°22′45″ / 71°52′30″	ditto	gn / cal	Diss.and/or veinlet	N80E 20SE	3mx10m	-	0.8	15	30	70	-	Accidic pyloclastics and jasper	na	na	na

*: expressed as g/t for Au and Ag, and as % for the others, ※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(15)

Area No.5 Ibañez-Murta area(continued)

No.	Prospect and Mine	lat s / lon w	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-66	Co.Blanco	46°32′ 72°35′	Cu	na	Skarn	N55W 25NE	0.3mx5m	na	-	0.47	20†	220†	na	Ls.lense in sch.	na	na	na
5-67	El Lucho	46°35′42″ 72°26′46″	Cu	na	ditto	N60E 30NW	3mx30m	na	-	0.30	141†	877†	na	Ls.included in intrusion	na	na	na
5-68	Veta Cuchara	46°24′27″ 72°11′27″	Cu	cp / qz	ditto	N10E 80SE	0.2mx10m	na	-	1.28	20†	50†	na	Accidic pyroclastics	na	na	na
5-69	Veta San Jose	46°30′40″ 72°08′27″	Pb-Zn	gn,sp / bar	ditto	N10W 80SW	0.3mx30m 6 parallel veinlets	na	18.6	0.15	1.52	1.79	na	ditto	na	na	na
5-70	Veta Seco	46°27′34″ 72°23′40″	Cu	na	ditto	N80W 60NE	1mx15m	na	-	165†	90†	700†	na	ditto	na	na	na
5-71	Los Leonos No1	46°25′11″ 72°19′16″	ditto	na	ditto	N80W 60SW	0.8mx10m	na	-	72†	0.12	0.26	na	ditto	na	na	na
5-72	Los Leonos No2	46°24′38″ 72°19′54″	ditto	gn qz	ditto	N65E 80SE	na	na	-	78†	2.38	50†	na	ditto	na	na	na

Area No.6 Rio Los Leones

No.	Prospect and Mine	lat s / lon w	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
6-1	Veta Punta Baja	46°48′23″ 72°48′47″	Cu	na	Skarn	N15W 60NE	0.2mx5m	na	-	840†	215†	890†	na	Accidic pyroclastics	na	na	na
6-2	Veta Juan	46°49′16″ 72°49′44″	Cu	na	Vein	N25W 70SW	0.5mx10m	na	-	3.12	405†	16†	na	Bk.sch.	na	na	na
6-3	Veta Raul	46°49′26″ 72°50′08″	Cu	na	ditto	N5E 90	0.1mx10m	na	-	2.15	250†	0.93	na	ditto	na	na	na

*: expressed as g/t for Au and Ag, and as % for the others.
†: expressed as ppm
-: below detection limit
※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(16)

Area No.7 Chile Chico-Chacabuco area

No.	Prospect and Mine	lat ˢ lon ᵂ	Ore metals	Ore mineral Gangue min.	Features of deposit	strike dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder※
7-1	Paulina	46°36′09″ 72°11′28″	Pb-(Zn-Ag)	gn,sp,cp, bar,cal	Manto	N20E 25N	0.3m thick 100m in strike (visible part)	-	277	-	4.9	0.3	-	Vol.clastics and chert	na	Adit of 8m	EMA
7-2	Laguna Verde	46°32′35″ 71°57′	Cu-Pb	py,cp,gn,sp qz,bar	Vein	N30W/W-N-S/65E	0.2-4m in wd.	vein1 vein2	15.7 15	- -	- -	- -	- -	Qz ker. alteration zone en-velops the fracture swarm.	arg+sil	A prospecting pit(6m deep) was digged in 1950.	na
								Grades of Au and Ag are not available.									
7-3	Mina La Poza	46°36′09″ 72°11′28″	Pb-Zn-(Ag)	gn,sp bar	Manto	N65E 25S (lower part)	1.5-3.0m thick 300m in strike Ore reserves: probable:126Kt possible: 84Kt	na	370	na	na	na	na	Mantos occur in pyro-clastics of Ibañez Fm. Cherts of 0.5-2m thick intercalate into deposit	na	2 adits of 70 and 30m production: 1980:130t@ 4.9%Pb+2.0% Zn 1981(Feb.): 245t@5.3%Pb +1.2%Zn	EMA
7-4	Valle Del Rio Aviles	46°38′15″ 72°15′47″	Mo-Cu	py,mol,cp qz	Vein	N80E 60S	0.05-0.1m in wd 7m in strike (visible)	- -	52 436	2.06 6.20	- -	- -	1.6 3.	Stock of granodiorite	na	na	na
7-5	Mina Escondida Y Veta Nueva	46°51′00″ 72°53′00″	Cu-Pb-Zn	cp,gn,sp,py qz,cal,chl	Veins (parallel veins)	N80W 60-90S	0.3m av.in wd. 350m in strike 75m in depth (exploited) Ore reserves: Escondida Probable:7.3Kt@ 12%Cu Possible:5.4Kt@ 12%Cu	-	-	11.3 (1 sample)	3.37	10.2	-	sch.+phy.	na	Operation was suspended in 1981/Feb.	EMA

*: expressed as g/t for Au and Ag, and as % for the others

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(17)

Area No.7 Chile Chico-Chacabuco area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder¥
7-5	Mina Escondida y Veta Nueva (cntinued)						Nueva Possible:40Kt@ 4%Cu+1%Pb										
7-6	Arroyo El Saino	46°39′56″ 72°22′08″	Cu	cp,py gangue:na	Vein	N45-55W dip:na	0.25m in wd.	na						In contact of Jurassic rock and gr.on fault	na	na	na
7-7	Arroyo Mallin Chico	46°42′30″ 72°21′	Cu (oxided)	Cu-oxides gangue:na	na (mineralized floats kown)	na	na	na						Acidic to intermediate rock(Ibáñez Fm)	na	na	na
7-8	Mina San Sebastian	46°52′ 72°42′	Pb-Zn -(Cu-Ag)	gn.sp.cp qz	Vein-shaped manto ?	N60-80W dip:SW	0.9m in max.wd 325m in strike (max.) 25m in depth 2 ore bodies are recognized Ore reserves: Sector 1: Proven. 2,488t Possible.4,050t Sector 2: Proven. 5,700t Possible.2,040t Ore grades are not available.	-	250 samples of selected rich ore	2.19	28	7.9	-		Phyllite	na	Adits of 117m in total	EMA
7-9	Los Maquis	46°53′ 72°39′	Cu-Pb -(Zn)	cp,gn,py,sp gangue:na	Vein?	NNW-NW 90°	0.5m in max.wd. 100m in strike	na						Phyllite	na	Adit of 15m	na

*: expressed as g/t for Au and Ag, and as % for the others

¥: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(18)

Area No.7 Chile Chico-Chacabuco area(continued)

No.	Prospect and Mine	lat ˢ lon ᵂ	Ore metals	Ore mineral Gangue min.	Features of deposit	strike dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder※
7-10	El Maiten (Dario Márquez)	46°54′49″ 72°45′47″	Pb	gn.py gangue:na	Vein	N25W 90	0.2m in wd. 10m(visible). 300m(infered) in strike	na						Phy. and grey schistose rock	na	na	na
7-11	Prospecto Arroyo Hernandez	46°39′52″ 72°18′39″	Mo	mol.py qz	Veinlets stockwork	N-S/70E	0.5-1cm in wd. (spacing:5-20m) Only small indications of Mo in qz-py veins.	na						Porphyritic qz monzonite intrusion into volc.of Ibañez Fm.	na	na	na
7-12	Prospecto Arroyo Pedregoso	46°38′ 72°06′24″	Cu-W-Mo	cp.wol.sche gangue:na	Vein Vein occurs in horizontal cleavages. Cp occurs in druse with trace of wol.+sche	NNW/NNE dip:na	0.2-0.3m in wd	-	-	27	-	-	-	Granodiorite	na	na	na
								verbal information									
7-13	Veta de Oro	46°37′ 72°15′14″	Cu-Au	cp.py.ht.mt Mn minerals qz.cal	Vein	N70E 90-85S	1m in wd. 25m in strike (visible)	na						Andesite (Ibañez Fm)	na	na	na
								the gold grade was under 120ppb									
7-14	Veta Leniz	46°35′24″ 72°9′55″	Pb-(Zn)	gn.sp qz	Vein	N40W vert.	0.2-1.2m in wd 700m in strike	1	-	-	41	1.75	-	Qz ker (Ibañez Fm.)	na	na	na
7-15	Prospecto Sur lago General Carrera	46°31′17″ 71°56′37″	FeS-Pb	py.(gn) gangue:na	Disseminated	-	Area of altered rock is aprox. 3kmx1km Distribution of ore minerals is not described.	-	0.5	29	245	360	-	Qz porphyry +porphrytic and+and.lava (Ibañez Fm.)		na	na
								Expressed as ppm									

*: expressed as g/t for Au and Ag, and as % for the others

※: not defined as the exploration title or the mining title

Table 1 List of the Mineral Prospects and Mines in the Survey Area(19)

Area No.7 Chile Chico-Chacabuco area(continued)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Ore grade * Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder※
7-16	Veta Guadal	46°51′25″ / 72°41′22″	Pb-Zn	na	Veinlet	N20W 30SW	0.7mx10m	na	na	210†	750†	1.16	na	Black schist	na	na	na
7-17	Mallin Grande	46°41′34″ / 72°24′28″	Cu	na	ditto	N25W 40NE	0.35mx2m	na	na	0.32	665†	0.17	na	ditto	na	na	na
7-18	La Prima	46°36′22″ / 72°10′06″	Pb-Zn	na	Diss.and/or veinlet	N50E 30SW	2mx10m	na	9.5	na	0.46	9.5	na	Accidic pyroclastic and jasper	na	na	na
7-19	Veta Victor	46°51′58″ / 72°30′05″	Pb	na	na	N40E 50SE	0.5mx10m	na	24	11†	0.40	110†	na	Quart-porphry	na	na	na

*: expressed as g/t for Au and Ag, and as % for the others

†: expressed as ppm

※: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines(1)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
1-a	Mina Araucaria	37°50′23″ / 71°27′23″	Au?	Au,cp / ht(spc)	Stockwork	N60E 40NW (orientation of ore zone)	4x8x3m as ore zone	<20	0.2	456	<20	54	<1	Andesite	chl	Approximately 300t of ores are estimated to have been mined out. Involving a crosscut of 11m.	na
								40	2.7	0.3%	80	86	5				
								40	0.9	0.1%	<20	61	1				
								<20	<0.1	36	<20	59	<1				
								<20	<0.1	138	<20	74	<1				
								500	12.9	675	6	75	3				
								120	0.3	665	7	22	<1				
								2.3†	4.2	0.9%	5	62	2				
								<20	0.5	0.1%	4	19	<1				
								9.5†	48.3	11%	11	95	3				
								1.5†	6.8	2.3%	7	250	11				
								860	4.5	1.1%	5	25	1				
								1.1†	3.5	0.8%	7	30	5				
1-b	Estero Curacatou I	37°51′16″ / 71°27′10″	Cu	cp,py / limo	Gossaneous vein	N70W 70N	30cm wide 5m in strike	60	1.9	0.2%	60	120	1	Granite			
1-c	Estero Curacatou II	37°51′32″ / 37°29′41″	Cu	cp,py / mt,qz	Vein	N60W 85N	50cm wide 1m in strike	200	12%	0.5%	100	64	21	Andesitic tuff	chl		
								<20	<0.1	122	<20	40	<1				
								<20	<0.1	18	<20	33	1				
								<20	0.1	201	<20	16	2				
2-1	Punta Comau		Au,Pt, Ni,Co?	no study	Orthomagmatic	na	not known	<2	<0.5	<1-2	<5	-32	-1	Serpentinite		no	na
								Pt:<5 Pd:<2 Co:-69 Ni:-.1% Cr:-.2%									
3-a	Puerto Reyes	43°11′29″ / 71°56′29″	Fe	py / qz	Vein	N15W 70E	1m in max.wd. 30m in strike	20	0.2	6	4	67	38	Andesite	wk.sil	no	na
								20	0.2	7	6	13	33				
3-b	García I	43°10′52″ / 71°53′15″	Fe(Pb-Cu)	ht(spc),cp, gn / limo,qz	Vein 2 systems of vein recognized.	E-W 50-55S and N20W 45SW	System E-W: 2 veins; 5-20cm wide 10m in strike System NW-SE: 1 vein only; 80cm max.wide 5m in strike	20	0.2	157	7	36	2	ditto	sil	A trench of 8m length. No indication of mineralization	na
								20	0.2	142	6	19	5				
								<20	<0.1	6	10	28	2				
								20	<0.1	135	12	11	1				

*: expressed as ppb for Au and ppm for the others other than specified.

†: ppm

※: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines(2)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
3-c	Garcia II	43°10'37" / 71°53'17"	Fe,Cu +(Pb)	ht(spc),cp, cp,gn / ht(spc),qz, chl	Tabular (Replacement deposit)	flat (N15E 15SW in general)	10mx10m square shaped with 0.6m thickness	20 (one sample only)	0.8	1.1%	13	27	9	Andesite	sil	A small pit of 3mx2.5m x2m	na
3-d	Arroyo Pedregoso I	43°35'55" / 71°51'20"	Pb	gn,sp,cp	Skarn (lenticular)	N85W 85S	80cm wide 8m in strike	<20	<0.1	40	2	86	<1	Limestone	no	no	na
								<20	0.1	8	24	52	1				
								20	4.0	76		0.9%	1				
3-e	Arroyo Pedregoso II	43°36'18" / 71°51'35"	Fe	py / cal,qz	Vein	E-W 75S	10cm wide 3m in strike	<20	0.2	92	235	581	1	Slate			
3-f	Estero la Cascada	43°21'41" / 72°04'04"		ht,limo	ditto	N40E 80N		<20	<0.1	4	13	14	1	Granite	sil		
3-g	Lago Espolón	48°12'13" / 71°59'04"	Cu,Pb	Cu-oxi,cp, gn / qz,limo	Diss.in the gossan			<20	0.4	5	24	22	<1	Volcanics metamorphosed by int. of gr.	sil limo bio	no	na
								<20	0.1	4	9	44	<1				
								<20	0.2	7	19	35	<1				
								100	1.0	0.6%	7	40	<1				
								100	0.3	552	109	83	1				
								120	1.8	0.2%	349	212	31				
								<20	0.6	542	773	279	2				
								60	0.6	312	85	72	<1				
4-1	Cerro Estatuas	45°02'24" / 71°59'48"	Zn,Cu	cp,gn,mt / cal,chl	Manto (strata-bound)	E-W 10N	3.2m wide (observed in an outcrop) 1.7km in strike	200 (one sample only)	380	0.7%	4.5%	40%	4	Green tuff (Coyhaique Fm)	chl epi	Drillings (total amount :na)	S.C.M Toqui
4-3	Santa Teresa (El Condor)	44°46'19" / 71°53'41"	Au,Cu, Pb	cp,gn,sp,Au / qz	Vein	N50W 65E	2-5m wide 900m in strike 240m in depth	40	2.7	29	0.5%	1.1%	6	Quarzporphry		ditto	ditto
								651	171	1.4%	5.4%	9.3%	2				
								420	9.6	56	0.4%	0.7%	<1				
								160	14.3	820	6.2%	0.4%	4				
								400	1.2	26	0.2%	0.5%	1				
								121	215	550	5.5%	1.0%	1				
								60	0.2	7	50	88	3				
								<20	0.1	4	30	40	4				

(Assay results continueing to next page)

*: expressed as ppb for Au and ppm for the others other than specified.

†: ppm

※: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (3)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
4-3	Santa Teresa (El Condor) continued.							<20	0.4	4	20	37	2				
								15†	224	1%	1.6%	12%	3				
								5.2†	83	0.2%	0.6%	8.0%	3				
								60	0.5	10	160	256	1				
								23†	155	0.3%	5.4%	14%	1				
								1†	15.9	77	0.3%	2.1%	5				
4-4	Mina el Toqui (Type Manto)	45°02′42″ 71°56′59″	Pb,Zn	gn,po,py,cp cal,act,gar hed	Manto (strata-bound)	N30W 10E	5Mt of ore reseves. (Category:na)	240	4.7	440	180	7.6%	2	Coquina, marl		Production: 1.200t/day	ditto
								(one sample only)									
	Mina El Toqui (Vein) Veta Anto-lin	45°01′18″ 71°59′54″	Pb,Zn, Cu	sp,gn,po,py cp	Vein	N-S 90	1.5m wide 100m in strike 80m in depth	120	16.1	420	680	6.9%	<1	Dacitic breccia (Ibañez Fm)		Exploration has been suspended	ditto
								(one sample only)									
	Veta Zuñiga	45°01′18″ 71°57′50″	ditto	ditto	ditto	N20W 90	1.5-3m wide 100m in strike 80m in depth	20	66	0.7%	3.9%	30%	1	ditto		ditto	ditto
								(one sample only)									
4-5	Katterfeld	45°00′38″ 71°35′00″	Au,Cu	py,cp,Au. +(gn,sp) qz,cal	Single veins and stockwork	N70W 90	More than 10 veins exist. Stockworks develop between veins.	3.3†	19.1	1.8%	450	0.2%	13	Propylitic andesite	prop in central zone. sil+arg in marginal zone.	Veins are categorized into two, "old vein"+ "new vein". "Old vein"is being mined. "New vein"is under drilling exploration.	ditto
								660	8.6	480	0.5%	389	2				
								80	1.2	181	150	88	54				
								120	2.2	228	0.1%	34	3				
								20	0.2	19	40	29	12				
4-10	Río Cisnes entre Río Pedregoso y Estero Buitre	44°36′15″ 71°32′27″	Mo	mol,py qz	Veinlet	N60E 90	Only 3 veinlets with mol of 1cm wide each are recognized. Trace of mol diss.occa-sionary in apl.	<20	0.5	7	70	34	.1%	Aplite in granite	no	A small pit of 8mx3mx 1.5m	na
								<20	0.2	5	60	28	210				
								<20	<0.1	4	20	21	254				

*: expressed as ppb for Au (as ppm for † marked) and ppm for the others other than specified.
※: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (4)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-2	Cerro El Coco	46°20′08″ / 72°48′13″	Cu	py.po.cp / chl.act	Disseminated			20	0.8	0.5%	220	27	4	Granodiorite			na
								280	1.6	0.3%	<20	27	<1				
								13†	10.0	3.5%	<20	80	<1				
								80	2.6	1.5%	<20	143	<1				
								20	0.3	0.1%	<20	45	<1				
5-3	Veta Perez	46°29′31″ / 72°43′07″	Cu	cp.po / ht.chl	Vein	N-S / 55E	1m wide / 2m in strike	40	39	0.4%	1.7%	3.2%	<1	Altered andesite	chl	A short crosscut?	na
								<20	0.5	39.4	70	0.1%	<1				
5-5	Río Resbalón	46°25′32″ / 72°37′46″	Cu	po.cp / qz(trace amount)	ditto	E-W / 80N	0.4m wide(plus 0.3m wide sil. rock with cp diss.on each wall) At least 5m in strike. Single vein	20	1.5	0.4%	140	18	<1	Mica schist	sil	no	na
								20	0.6	0.2%	<20	55	1				
								<20	1.2	0.4%	40	37	2				
5-6	Felix Barria I	46°27′03″ / 72°39′06″	Cu	po.cp / gar.hed	Skarn (lenticular shaped)	N-S / 90	Max.1m thick 5m in strike	80	49	23%	<20	0.1%	3	Limestone		A drift of 9m.	na
								60	707	7%	<20	0.2%	<1				
								440	264	4.9%	30	922	<1				
								20	20	0.3%	<20	135	<1				
								360	264	4.3%	<20	709	<1				
	Felix Barria II	46°26′23″ / 72°39′07″	Cu	cp.po / cal	Vein	N15E / 15E	0.3m wide 100m in strike	120	0.5	973	<20	8	<1	ditto			na
								80	4.1	0.4%	30	117	<1				
								60	1.0	0.1%	<20	106	2				
5-7	Mina Cerro Castillo	46°05′00″ / 72°13′18″	Cu.Mo	cp.mol.gn. / Cu-oxi qz	dito (lenticular shaped)	N85E / 50N	Max.0.3m wide Max 15m in strike	40	5.2	0.1%	180	74	298	Granite	sil		na
								20	0.5	770	<20	53	3%				
								120	30.2	2.0%	40	114	8%				
								40	4.8	0.2%	30	1124%					
								<20	0.2	103	<20	25	350				
								20	1.1	0.1%	60	154	.6%				
								20	1.0	450	20	64	.4%				

*: expressed as ppb for Au and ppm for the others other than specified.
†: as ppm
※: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (5)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-8	Las Chivas	46°34'31" / 72°33'05"	Cu	cp.sp.mt. py / qz.chl	Vein	N60W 80S	Vein 1:	20	37	25%	320	0.1%	7	Greenschist and mica schist	sil	Production (1984): 600t/day@ 2.93% Cu (verbeal information)	EMA
							1-15m wide	40	80	5%	0.2%	0.5%	<1				
							1km in strike	<20	1.5	0.3%	60	87	<1				
							>200m? depth	40	24	0.4%	100	982	<1				
							Vein 2:	<20	4.7	0.4%	80	135	<1				
							0.2-0.4m wide	<20	43	3.6%	40	905	<1				
							60m in strike	40	66	6.1%	100	0.1%	1				
							15m in depth	40	83	0.3%	<20	85	1				
							Vein 3:	<20	21	0.1%	<20	6	1				
							1m wide	<20	18	1.8%	140	317	<1				
							70m in strike	<20	1.3	1.7%	50	132	1				
							depth:unknown	40	40.1	0.6%	3.8%	26%	<1				
							Extention to	40	61	0.5%	1.3%	1.8%	19				
							dip of the vein	40	2.3	0.2%	100	223	2				
							1 has not been	100	199	1.0%	4.1%	11%	1				
							tested.	20	0.2	21	20	53	4				
5-9	Mina El Pelado	46°31'36" / 72°38'05"	Pb,Zn	sp.gn.py (+cp) / cal	Stratiform occuring in the contact zone of lmst and phy	Variable (trending NE in many outcrops)	Small ore bodiesare scattered. Max.one is estimated 10m x5mx2m appx. in size.	<20	30	0.1%	0.4%	2.6%	810	Limestone and phyllite	arg	Operation was suspended in 1986. Details:na explorations: About 10 drillings in 1973. (verbeal informations from a miner)	ditto
								<20	7.5	194	870	66	26				
								100	696	0.9%	11%	5.9%	11				
								<20	45	0.3%	0.4%	1.9%	2				
								<20	21	474	0.9%	2.0%	22				
								40	46	0.3%	1.6%	14%	3				
								20	9.1	670	0.2%	1.7%	4				
								240	834	0.4%	1.4%	6.3%	28				
								40	144	1.1%	2.6%	15%	3				
								<20	23	0.4%	0.7%	2.3%	11				
								<20	14	0.2%	1.3%	3.5%	5				
								<20	30	0.2%	0.9%	10%	1				
								60	135	0.6%	3.6%	10%	5				
								20	342	654	13%	1.9%	7				
								100	346	2.1%	1.9%	4.6%	8				
								60	33	1.4%	0.7%	0.4%	112				
								100	136	0.6%	0.7%	2.1%	62	Assay results continuing to next page.			

*: expressed as ppb for Au (ppm for † marked) and ppm for the others other than specified.

※: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (6)

No.	Prospect and Mine	lat ˢ / lon ʷ	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Altera-tion	Exploration & Production	Title holder¥
5-9	Mina El Pelado (continued)							20	9.6	0.11	0.5%	10%	<1				
								40	78	0.6%	1.0%	3.9%	8				
								20	128	1.2%	3.9%	17%	13				
								20	122	0.2%	14%	14%	22				
								20	106	0.4%	12%	24%	2				
5-10 to 5-19	Mina Silva	46°32′58″ 72°24′25″	Pb,Zn	sp.gn.py cal	Stratiform in limestone		Max.ore body: estimated appx. 40mx30m in size (thickness is unknown). Numbers of ore bodies mined out are unknown	40	19.4	220	700	30%	1	Limestone	mt (adja-cent to ore.but not always)	Production: Mine was closed in Nov.1988. Record(1988) 1.5Kt/month @12-14% Zn and 3-4% Pb Appx.0.6Mt are estimated to have mined out so far. Explorations: Drilling: 2 holes(300m) in 1989. No significant intersection.	
								20	0.5	89	<20	0.2%	24				
								<20	74	0.2%	870	42%	<1				
								20	0.2	17	<20	423	<1				
								40	0.2	2	<20	387	1				
								20	0.2	2	<20	961	2				
								20	0.3	2	<20	83	3				
								<20	0.1	2	<20	48	1				
								<20	0.2	1	<20	320	<1				
								20	0.7	2	20	245	<1				
								20	0.8	2	40	508	1				
								<20	29.1	450	0.3%	13%	1				
								40	15.5	83	200	8.0%	<1				
								40	7.9	166	100	4.5%	2				
								40	132	550	3.5%	32%	1				
								80	230	800	18%	0.1%	1				
								<20	<0.1	3	20	8	<1				
								<20	0.1	29	<20	35	<1				
								<20	0.2	12	<20	45	<1				
								<20	0.1	2	<20	14	<1				
								<20	0.2	5	<20	37	<1				
								<20	0.5	395	20	9	<1				
								40	32	0.1%	0.8%	239	<1				
								<20	1.0	3.6	320	68	<1				
								<20	<0.1	10	50	56	<1				
								<20	1.9	0.13	30	14	<1				
								840	1.2	6	280	0.2%	<1	Assay results continueing to next page.			

*: expressed as ppb for Au and ppm for the others other than specified.

†: ppm

¥: not defined as exploration title or mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (7)

No.	Prospect and Mine	lat ° ' " lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
5-10 to 5-19	Mina Silva (continued)							<20	2.4	27	40	1.1%	<1				
								40	530	966	14%	31%	2				
								<20	0.5	14	110	0.2%	<1				
5-20 (a)	Rio Avellanosl (Veta Anita)	46°27'13" 72°14'24"	Cu.Pb	cp.gn.py / qz	Vein	N13W 70S	2-2.5m wide involving 6 veinlets of 8-14cm wide in the vicinity	<20	0.5	12	120	422	27	Rhyolitic tuff(Ibañez Fm.)	arg	Trenching	LAC
								<20	0.2	7	30	25	1				
								<20	0.3	68	60	63	<1				
								<20	1.0	246	150	77	<1				
								40	820	0.6%	14%	121	<1				
								<20	0.2	8	150	27	1				
								60	132	4.8%	0.8%	800	<1				
5-21	Mina Cascara	46°20'29" 72°05'31"	Cu.Au? Pb.Zn	cp.Cu-oxi gn.sp / qz	ditto	N25-30E 50-55W	1m wide 120-150m in strike (estimated less than 100Kt)	<20	0.3	0.2%	<20	35	1	Breccia, tuff (Ibañez Fm.)	sil arg	Short drifts in 2 levels (20-30m span)	na
								140	1.5	340	100	4	<1				
								<20	0.2	66	20	578	2				
								40	1.2	4	20	7	5				
								780	13	0.6%	800	65	3				
								<20	1.0	165	0.1%	508	47				
5-25	Mina Fenix	46°07'52" 72°04'56"	Pb.Zn. Cu	gn.sp.Cu-oxi cp.py / qz	Veinlets and disseninated	N-S 90	1.5m wide 400m in depth (estimated less than 100Kt)	260	7.0	0.4%	500	80	1	Silicified volcanics	sil	Drifts in 2 levels(35m span)	na
								<20	1.2	15	360	100	<1				
5-34	Vista Alegre (Veta Hermosa)	46°24'39" 71°56'25"	Pb.Zn	Cu-oxi.sp. gn.py / qz cal	Vein	N10W 80NW	0.2-0.3m wide	200	33.2	430	0.4%	8.2%	21	Andesite	sil	A pit of 15m length 2.5m depth 2m wide in size and A drift of 25m along vein.	na
								160	94	2607	3.3%	9.3%	11				
								20	1.5	10	2000	0.1%	7				
								40	1.6	10	600	984	5				
								200	51.6	4200	0.5%	13%	36				
								1.4†	59	4102	2.7%	10%	6				
5-36	Mina Rosilld	46°32'34" 72°24'05"	ditto	sp.gn.py / cal	Stratiform occuring in the contact zone of lmst and phy	Variable	Composed of about 20 bodies Max.one;40x18 x9m Averagely 15 x4x4m	40	1.5	27	600	0.2%	8	Limestone and Phyllite	arg	Exploration: Drilling: 9 holes(717.87m)were conducted in 1987.	EMA
								<20	28.9	0.1%	860	33%	1				
								80	50.0	0.2%	450	23%	1				
								20	8.2	50	360	435	2				
								<20	0.2	12	<20	54	2				
								20	125	257	720	48%	1				

Continue to the next page.

*: expressed as ppb for Au(ppm for† marked) and ppm for the others. ※: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (8)

No.	Prospect and Mine	lat ˢ lon ʷ	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder¤
5-36	Mina Rosillo (continued)						Ore reserves: In 1987 Proven:35Kt@ 16-22% Zn Possible:16Kt@ 12-13% Zn In 1989 Further 37Kt@ 8.13% Zn(2 ore bodies) was obtained in western area.	<20	4.0	0.4%	340	592	1			Production: 30t/day	
								20	60	0.2%	820	42%	1				
								<20	24.9	990	680	35%	2				
								<20	1.2	190	0.1%	813	<1				
5-54	Veta Torres I	46°24′15″ 72°39′25″	Cu	Cu-oxi.cp, py / hed.epi.gar	Disseminated	N63W 75N	0.3m wide	40	5.7	2.3%	250	276	<1	Andesite	chl		na
								20	43.4	9.7%	40	160	3				
5-69	Veta San Jose	46°31′04″ 72°09′30″	Au?	Au? / qz	Vein	N10W 80SE	2m wide, including 3 veinlets of 0.2m wide.	<20	0.3	9	30	43	<1	Rhyolitic tuff(Ibañez Fm.)	arg limo	Trenching	LAC
								(one sample only)									
5-a	Veta Torres II	46°24′00″ 72°39′53″	Cu	cp,py, Cu-oxi / qz.epi	Lenticular shaped vein	N17E 78W	0.12m wide Single vein	4.3†	19.0	3.2%	600	621	<1	Aplite and black schist	epi		na
								260	38.7	8.5%	260	187	3				
6-a	Rio Leones Sector Bajo	46°45′08″ 72°52′08″	Cu	cp,bn / qz	Veinlet	na	na	160	9.2	463	0.7%	80	4	Schist	no	no	na
								(one sample only)									
6-b	Rio Leones Sector Alto	46°45′28″ 72°52′26″	Au?	Au?,py / qz	ditto	na	na	20	15.7	0.1%	0.2%	0.1%	1	Granitic rock	sil	no	na
								(one sample only)									
7-1	Paulina	46°35′18″ 72°11′12″	Pb,Zn	gn,sp / mt	Stratiform	N15W 35E	0.2m thick	<20	50	595	5.8%	0.2%	<1	Chert and andesitic pyroclastics		drift	EMA
								<20	12	54	0.7%	2.1%	6				
								<20	51	33	2.6%	0.2%	12				
								<20	220	95	8.7%	0.4%	<1				
								<20	162	29	4.7%	394	13				
								<20	430	86	4.5%	0.1%	2				

*: expressed as ppb for Au and ppm for the others other than specified.

†: ppm

¤: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (9)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder#
7-2	Laguna Verde	46°33′18″ / 71°57′19″	Au?	Au? / qz,limo,ht	Vein	N70W / 80N	0.02-2.3m wide	<20	0.1	25	<20	13	<1	Dacite	arg sil	Drillings	Coeur D'lalaine Co..Ltd. (U.S.A.)
								<20	0.5	24	490	273	1				
								360	5.5	26	0.2%	386	4				
								20	1.5	305	0.4%	1.0%	1				
								<20	0.4	3	20	21	2				
								20	0.3	6	30	55	1				
								<20	0.5	6	540	50	3				
								20	0.7	32	500	0.1%	4				
								<20	0.3	9	50	62	1				
								<20	0.4	24	250	260	3				
								20	0.3	6	100	39	3				
7-3	La Poza	46°35′25″ / 72°09′56″	Pb	gn	Manto (strata-bound)	N-S to N35E / 20-30E	1m wide At least 700m in strike	20	0.2	6	180	251	77	Black shale and sandy tuff		Drifts in 3 levels	EMA
								<20	0.9	9	170	312	21				
								<20	2.0	8	300	289	4				
								<20	0.8	50	0.1%	853	28				
								<20	182	260	16%	3.3%	<1				
								<20	134	140	13%	4.4%	<1				
								<20	17.9	22	1.5%	0.9%	2				
								<20	23	20	1.0%	1.8%	<1				
								<20	0.9	30	0.1%	471	59				
7-4	Valle Del Rio Avilles	46°38′00″ / 72°17′19″	Cu	cp,py / qz	Vein	N60E / 60S	4 parallel veins with 0.03-0.25m wide	360	105	13%	200	172	13	Granite	no	A drift(2m)	na
								340	200	24%	520	424	6				
7-5	Mina Escondida y Veta Nueva	46°52′21″ / 72°40′14″	Pb,Zn, Cu	sp,gn,cp, py / qz,cal,chl	Vein	E-W / 80S	Single vein 1m in max.wide 300m in strike	40	2106	6.8%	15%	15%	2	Mica schist	sil chl	Explorations: No drilling A small pit only. Production: Closed in July,1987. In 1985 40t/day@ 2.5-2.8%Cu 1.2-1.5%Zn	EMA
								<20	838	0.0%	1.2%	2.0%	<1				
								<20	1.1	768	420	318	<1				
								<20	1.0	679	520	716	1				

*:expressed as ppb for Au(ppm for † marked)and ppm for the others other than specified. #: not defined as the exploration title or the mining title

Table 2 Summary of the Survey Results on the Mineral Prospects and Mines (10)

No.	Prospect and Mine	lat S / lon W	Ore metals	Ore mineral / Gangue min.	Features of deposit	strike / dip	Size of deposit	Assay results* Au	Ag	Cu	Pb	Zn	Mo	Country rock	Alteration	Exploration & Production	Title holder※
7-a	Co.Bayo	46°33′00″ / 71°50′54″	Au?	Au? / qz,limo	Vein	N7-50W / 80W	Several veins with 0.2-0.5m wide Area of alteration:0.5x2.5km	40	0.3	12	30	37	2	Quartz-porphry	arg sil	no	
								20	0.5	5	30	13	12				
								60	1.8	4	50	59	19				
								20	4.3	2	20	24	2				
								20	0.9	2	<20	10	1				
								1.1†	48	4	90	11	5				
								80	3.7	2	30	14	6				
								80	5.5	1	<20	17	2				
7-b	El Colegio Alteration Zone	46°33′21″ / 71°53′28″	Au?	Au? / qz,limo	Altered zone associated with gossan, stockworks of limo+qz.	E-W (altered zone)	The zone extends to area of 0.5x 2km	<20	0.5	1	30	16	1	Dacite			
								(one sample only)									
7-c	Veta Don Juan	46°34′19″ / 72°15′12″	Au	Au,py / qz,ht,cal	Vein	E-W / 90	1.3m wide	2.9†	380	0.3%	650	395	50	ditto	arg	no	na
								260	2.4	48	210	144	2				
								3.5†	900	0.2%	0.1%	733	4				
								80	15.6	262	300	999	4				
								60	1.4	21	50	141	4				

*: expressed as ppb for Au and ppm for the others other than specified.

†: ppm

※: not defined as the exploration title or the mining title

Table 3 The Results of Ore Assayings(1)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au(g/t)	Ag(g/t)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No1 Lonquimay	1-a	Mina Araucaria	FM 106	<20	0.2	456	<20	54	<1	7	0.05
			FM 107	40	2.7	0.32%	80	86	5	22	0.10
			FM 108	40	0.9	0.11%	<20	61	1	17	0.21
			FM 109	<20	<0.1	36	<20	59	<1	9	0.05
			FM 110	<20	<0.1	138	<20	74	<1	28	0.42
			YM 102	500	12.9	675	6	75	3	10	3.02
			YM 103	120	0.3	665	7	22	<1	7	0.11
			YM 104	2.34ppm	4.2	0.90%	5	62	2	17	0.15
			YM 105	<20	0.5	0.14%	4	19	<1	<5	0.11
			YM 106	9.50ppm	48.3	10.9%	11	95	3	23	10.90
			YM 107	1.50ppm	6.8	2.28%	7	250	11	23	3.48
			YM 108	860	4.5	1.14%	5	25	1	11	1.45
			YM 109	1.08ppm	3.5	0.82%	7	30	5	20	1.44
	1-b	Estero Cracatou I	SM 106	60	1.9	0.16%	60	120	1	740	1.33
	1-c	Estero Cracatou II	SM 101	200	11.7	0.45%	100	64	21	<5	0.22
			SM 102	20	<0.1	122	<20	40	<1	7	0.05
			SM 103	<20	<0.1	18	<20	33	1	10	0.59
			SM 104	<20	0.1	201	<20	16	2	<5	0.68
	-	-	SM 105	<20	<0.1	3	<20	50	<1	10	1.62
			YM 110	<20	<0.1	42	5	10	<1	21	0.05
			FM 101	60	0.1	38	24	17	6	9	0.05
			FM 102	<20	<0.1	55	100	54	<1	7	0.05
			YM 101	<20	0.8	880	10	42	28	9	9.76

Table 3 The Results of Ore Assayings(2)

Area	Locations		Assay Results													Occurences of samples
	No	Prospecs and Mines	Sample No	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Co ppm	Ni ppm	Pb ppm	Zn ppm	Mo ppm	Cr ppm	Fe %	Mn ppm	
No 2	2-1	Punta Comau	TM 201	<2	<5	<2	<0.5	<1	53	1105	<5	18	<1	850	3.42	175	Rock float
Huequi			TM 203	<2	<5	<2	<0.5	2	69	1440	<5	32	1	2000	3.53	500	ditto

†: Analyzed by CHEMEX LABS.. Canada

Area	Locations		Assay Results							
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 3 Futaleufu-Alto Palena	3-a	Puerto Reyes	YM 302	20	0.2	6	4	67	38	10	8.63
			YM 303	20	0.2	7	6	13	33	13	2.75
	3-b	Garcia I	YM 304	20	0.2	157	7	36	2	12	0.05
			YM 305	20	0.2	142	6	19	5	18	0.42
			YM 306	<20	<0.1	6	10	28	2	31	0.11
			YM 307	20	<0.1	135	12	11	1	38	0.05
	3-c	Garcia II	YM 308	20	0.8	1.06%	13	27	9	15	1.02
	3-d	Arroyo Pedregoso I	SM 302	<20	<0.1	40	2	86	<1	9	0.25
			SM 303	<20	0.1	8	24	52	1	56	1.62
			SM 304	20	4.0	7.6	-	0.92%	1	67	1.80
	3-e	Arroyo Pedregoso II	SM 301	<20	0.2	92	235	581	1	37	2.18
	3-f	Estero La Cascada	OM 301	<20	<0.1	4	13	14	1	9	0.05
	3-g	Lago Espolón	PM 301	<20	0.4	5	24	22	<1	12	0.01
			PM 302	<20	0.1	4	9	44	<1	6	0.01
			PM 304	<20	0.2	7	19	35	<1	8	0.01
			PM 305	100	1.0	0.64%	7	40	<1	7	0.01
			PM 306	100	0.3	552	109	83	1	12	0.05

Table 3 The Results of Ore Assayings(3)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 3 Futaleufu-Alto Palena (continued)	3-g	Lago Espolón (continued)	PM 307	120	1.8	0.17%	349	212	31	8	0.42
			PM 308	<20	0.6	542	773	279	2	6	0.05
			PM 309	60	0.6	312	85	72	<1	8	0.05
No 4 Alto Cisnes-El Toqui	4-1	Cerro Estatuas	FM 423	200	380	0.73%	4.50%	39.6%	4	466	26.62
	4-3	Santa Teresa	FM 427	40	2.7	29	0.49%	1.06%	6	7	0.41
			FM 428	64.8ppm	171	1.42%	5.41%	9.29%	2	99	12.91
			FM 430	420	9.6	56	0.36%	0.65%	<1	9	1.80
			FM 431	160	14.3	820	6.22%	0.41%	4	17	0.89
			FM 433	400	1.2	26	0.16%	0.45%	1	<5	0.07
			FM 435	11.6ppm	215	550	5.45%	1.03%	1	32	4.26
			YM 408	60	0.2	7	50	88	3	<5	0.01
			YM 411	<20	0.1	4	30	40	4	<5	0.01
			YM 413	<20	0.4	4	20	37	2	6	0.01
			YM 415	14.5ppm	224	0.98%	1.56%	11.8%	3	39	7.32%
			YM 416	5.20ppm	83	0.23%	0.64%	8.03%	3	23	4.83
			YM 417	60	0.5	10	160	256	1	9	0.07
			YM 418	22.7ppm	155	0.34%	5.39%	14.4%	1	42	12.34
			YM 420	1.10ppm	15.9	77	0.33%	2.16%	5	11	1.41
	4-4	El Toqui(Manto)	FM 401	240	4.7	440	180	7.56%	2	14	12.42
		El Toqui(Vein)	FM 407	120	16.1	420	680	6.86%	<1	31	5.08
			FM 408	20	66	0.65%	3.85%	30.1%	1	18	18.14
	4-5	Katterfeld	FM 410	3.26ppm	19.1	1.75%	450	0.15%	13	250	18.78
			FM 411	660	8.6	480	0.51%	389	2	145	1.36

Table 3 The Results of Ore Assayings(4)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 4 Alto Cisnes-El Toqui (continued)	4-5	Katterfeld (continued)	FM 413	80	1.2	181	150	88	54	105	5.34
			FM 414	120	2.2	228	0.10%	34	3	188	1.18
			FM 421	20	0.2	19	40	29	12	35	0.13
	4-10	Río Cisnes entre Río Pedregoso y Estero Buitre	YM 401	<20	0.5	7	70	34	0.14%	<5	0.09
			YM 406	<20	0.2	5	60	28	210	<5	0.02
			YM 407	<20	<0.1	4	20	21	254	<5	0.01
No 5 Ibañez-Murta	5-2	Cerro El Coco	FM 511	20	0.8	0.54%	220	27	4	7	5.94
			FM 513	280	1.6	0.28%	<20	27	<1	87	0.37
			FM 514	12.6ppm	10.0	3.50%	<20	80	<1	17	3.21
			FM 515	80	2.6	1.49%	<20	143	<1	<5	11.93
			FM 516	20	0.3	0.12%	<20	45	<1	<5	0.70
	5-3	Veta Perez	SM 511	40	39.0	0.44%	1.70%	3.21%	<1	<5	3.44
			SM 515	<20	0.5	39.4	70	0.13%	<1	6	0.74%
	5-5	Río Resbalón	YM 505	20	1.5	0.41%	140	18	<1	10	32.38
			YM 506	20	0.6	0.20%	<20	55	1	<5	1.36
			YM 507	<20	1.2	0.42%	40	37	2	11	1.50
		About 1km NE of the prospect	YM 501	<20	0.1	24	<20	2	<1	7	0.05
			YM 502	<20	<0.1	21	<20	43	1	<5	0.05
		Upriver of the Río resbalón (Tres Arroyos)	YM 503	<20	0.2	45	70	87	<1	10	0.11
			YM 504	<20	0.1	17	<20	27	1	20	2.63

†: Analyzed by SERNAGEOMIN

Table 3 The Results of Ore Assayings(5)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 5 Ibañez-Murta (continued)	5-6	Felix Brria I	SM 501	80	49	23.0%	<20	0.13%	3	94	8.05
			SM 502	60	70	7.68%	<20	0.24%	<1	88	9.72
			SM 507	440	26	4.90%	30	922	<1	89	7.94
			SM 508	20	2	0.32%	<20	135	<1	76	0.31
			SM 509	360	26	4.32%	<20	709	<1	135	8.85
		Felix Barria I	FM 520	120	0.5	973	<20	8	<1	10	0.92
			FM 521	80	4.1	0.40%	30	117	<1	383	0.84
			FM 523	60	1.0	0.10%	<20	106	2	33	0.52
	5-7	Mina Cerro Castillo	TM 501	40	5.2	0.11%	180	74	298	11	0.05
			TM 502	20	0.5	770	<20	53	0.27%	82	1.91
			TM 503	120	30.2	2.00%	40	114	0.84%	<5	2.27
			TM 504	40	4.8	0.15%	30	112	3.52%	<5	3.71
			TM 505	<20	0.2	103	<20	25	350	7	0.04
			TM 506	20	1.1	0.12%	60	154	0.62%	52	4.06
			TM 507	20	1.0	450	20	64	0.38%	27	0.74
	5-8	Las Chivas	YM 537	20	37	25.4%	320	0.13%	7	252	18.51
			YM 538	40	80	5.02%	0.15%	0.48%	<1	302	27.24
			YM 543	<20	1.5	0.35%	60	87	<1	69	0.48
			YM 544	40	24	0.41%	100	982	<1	182	7.42
			YM 546	<20	4.7	0.42%	80	135	<1	127	5.05
			YM 548	<20	43	3.64%	40	905	<1	63	5.85
			YM 550	40	66	6.08%	100	0.12%	1	217	22.16
			YM 552	40	83	0.30%	<20	85	1	527	0.16
			YM 554	<20	21	0.11%	<20	6	1	45	0.11
			YM 556	<20	18	1.82%	140	317	<1	141	2.40

Table 3 The Results of Ore Assayings(6)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 5 Ibañez-Murta (continued)	5-8	Las Chivas (continued)	YM 557	<20	1.3	1.70%	50	132	1	141	2.40
			TM 554	40	40.1	0.55%	3.79%	26.3%	<1	107	16.67
			TM 555	40	61	0.54%	1.25%	1.83%	19	408	3.17
			TM 557	40	2.3	0.20%	100	223	2	234	4.01
			TM 558	100	199	1.01%	4.13%	11.3%	1	0.11%	14.19%
			TM 559	20	0.2	21	20	53	4	7	0.11%
	5-9	Mina El Pelado	YM 561	<20	30	0.11%	0.42%	2.62%	810	0.32%	3.30
			YM 564	<20	7.5	194	870	66	26	760	0.64
			YM 565	100	696	0.92%	11.3%	5.90%	11	0.25%	20.89
			YM 567	<20	45	0.25%	0.40%	1.94%	2	0.14%	2.59
			YM 570	<20	21	474	0.93%	2.01%	22	870	2.11
			YM 571	40	46	0.32%	1.60%	14.2%	3	0.15%	26.59
			YM 572	20	9.1	670	0.21%	1.72%	4	750	8.94
			YM 574	240	834	0.35%	1.38%	6.32%	28	0.35%	8.08
			YM 576	40	144	1.14%	2.60%	15.8%	3	0.34%	13.54
			YM 577	<20	23	0.40%	0.70%	2.28%	11	139	2.07
			YM 578	<20	14	0.16%	1.34%	3.46%	5	194	2.09
			YM 580	<20	30	0.24%	0.86%	10.1%	1	119	33.66
			YM 581	60	135	0.56%	3.58%	10.2%	5	0.44%	13.98
			YM 584	20	342	654	12.8%	1.93%	7	0.21%	3.33
			YM 585	100	346	2.06%	1.85%	4.58%	8	0.36%	6.11
			YM 587	60	33	1.36%	0.66%	0.36%	112	188	8.17
			YM 589	100	136	0.64%	0.71%	2.09%	62	511	14.40
			YM 591	20	9.6	0.11%	0.45%	10.10%	<1	840	4.99

Table 3 The Results of Ore Assayings (7)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	S (%)
No 5 Ibañez-Murta (continued)	5-9	Mina El Pelado (continued)	YM 592	40	78	0.58%	1.03%	3.88%			
			YM 593	20	128	1.24%	3.88%	16.5%			
			YM 597	20	122	0.17%	13.9%	14.2%			
			YM 598	20	106	0.40%	11.6%	23.6%			
	5-10 to 5-19	Mina Silva	TM 534	40	19.4	220	700	29.9%	1	323	24.65
			TM 535	20	0.5	89	<20	0.15%	24	15	0.05
			TM 536	<20	74	0.17%	870	41.8%	<1	452	25.06
			TM 537	20	0.2	17	<20	423	<1	12	0.05
			TM 538	40	0.2	2	<20	387	1	30	0.05
			TM 539	20	0.2	2	<20	961	2	36	0.05
			TM 540	20	0.3	2	<20	83	3	22	0.05
			TM 541	<20	0.1	2	<20	48	1	<5	0.05
			TM 543	<20	0.2	1	<20	320	<1	15	0.05
			TM 544	20	0.7	2	20	245	<1	35	0.83
			TM 545	20	0.8	2	40	508	1	42	0.05
			TM 546	<20	29.1	450	0.30%	12.6%	1	0.19%	3.18
			TM 547	40	15.5	83	200	8.04%	<1	840	4.22
			TM 548	40	7.9	166	100	4.48%	2	0.33%	1.11
			TM 549	40	132	550	3.50%	32.1%	1	230	18.50
			TM 550	80	230	800	17.6%	0.12%	1	0.69%	4.54
			YM 508	<20	<0.1	3	20	8	<1	14	0.05
			YM 509	<20	0.1	29	<20	35	<1	127	0.05
			YM 512	<20	0.2	12	<20	45	<1	19	0.01
			YM 515	<20	0.1	2	<20	14	<1	14	0.05

Table 3 The Results of Ore Assayings(8)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 5 Ibañez-Murta (continued)	5-10 to 5-19	Mina Silva (continued)	YM 518	<20	0.2	5	<20	37	<1	12	0.05
			YM 519	<20	0.5	395	20	9	<1	0.16%	0.11
			YM 520	40	32	0.12%	0.83%	239	<1	0.47%	0.16
			YM 521	<20	1.0	36	320	68	<1	80	0.11
			YM 524	<20	<0.1	10	50	56	<1	5	0.11
			YM 525	<20	1.9	0.14%	30	14	<1	0.11%	0.11
			YM 526	840	1.2	6	280	0.16%	<1	0.45%	0.05
			YM 527	<20	2.4	27	40	1.14%	<1	53	0.05
			YM 528	40	530	966	13.88%	30.8%	2	570	18.87
			YM 530	<20	0.5	14	110	0.23%	<1	68	0.11
			YM 532	<20	0.1	2	80	0.11%	<1	32	0.01
	5-20 (a)	Río Avellanos (Veta Anita)	OM 511	<20	0.5	12	120	422	27	229	10.16
			OM 512	<20	0.2	7	30	25	1	48	0.49
			OM 513	<20	0.3	68	60	63	<1	71	0.05
			OM 514	<20	1.0	246	150	77	<1	0.23%	0.11
			OM 515	40	820	0.58%	14.4%	121	<1	0.86%	11.06
			OM 516	<20	0.2	8	150	27	1	17	0.05
			OM 517	60	132	4.74%	0.75%	800	<1	0.70%	6.13
	5-21	Mina Cascara	PM 502	<20	0.3	0.16%	<20	35	1	20	0.20
			PM 503	140	1.5	340	100	4	<1	0.15%	18.45
			PM 504	<20	0.2	66	20	578	2	28	0.05
			PM 505	40	1.2	4	20	7	5	52	0.05
			PM 506	780	13	0.58%	800	65	3	9	0.22
			PM 507	<20	1.0	165	0.13%	508	47	25	0.16

Table 3 The Results of Ore Assayings(9)

Area	Locations		Assay Results							
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 5 Ibañez-Murta (continued)	5-25	Mina Fenix	PM 508	260	7.0	0.36%	500	80	1	10	0.11
			PM 509	<20	1.2	15	360	100	<1	12	0.01
	5-34	Veta Alegre (Veta Hermosa)	TM 510	200	33.2	430	0.44%	8.16%	21	253	8.39
			TM 511	160	94	260	7.32%	9.25%	11	373	12.24
			TM 512	20	1.5	10	200	0.11%	7	63	7.08
			TM 513	40	1.6	10	600	984	5	86	5.25
			TM 515	200	51.6	420	0.45%	13.0%	36	118	9.47
			TM 517	1.44ppm	59	410	2.67%	10.0%	6	141	6.65
	5-36	Mina Rosillo	TM 518	40	1.5	27	60	0.22%	8	2.76%	7.05
			TM 519	<20	28.9	0.10%	860	32.9%	1	0.48%	21.34
			TM 520	80	50	0.15%	450	22.8%	1	0.63%	19.27
			TM 521	20	8.2	50	360	435	2	0.21%	43.29
			TM 524	<20	0.2	12	<20	54	2	113	0.11
			TM 526	20	125	257	720	47.5%	1	0.29%	26.94
			TM 527	<20	4.0	0.40%	340	592	1	1.03%	0.32
			TM 529	20	60	0.19%	820	41.7%	1	353	24.42
			TM 530	<20	24.9	990	680	35.3%	2	100	20.71
			YM 533	<20	1.2	19	0.10%	813	<1	293	0.27
	5-54	Veta Torres I	FM 501	40	5.7	2.26%	250	276	<1	114	1.03
			FM 502	20	43.4	9.65%	40	160	3	160	8.77
	5-69	Veta San Jose	OM 518	<20	0.3	9	30	43	<1	9	0.38
	5-a	Veta Torres II	FM 505	4.25ppm	19.0	3.15%	600	621	<1	1.26%	27.65
			FM 506	260	38.7	8.50%	260	187	3	0.20%	7.79
		Estero Norte	OM 508	<20	0.1	20	50	51	<1	6	0.05

Table 3 The Results of Ore Assayings(10)

Area	Locations		Assay Results							
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 6 Los Leones	6-a	Río Leones Sector Bajo	PM 601	160	9.2	463	0.66%	80	4	10	0.11
	6-b	Río Leones Sector Alto	PM 602	20	15.7	0.12%	0.23%	0.11%	1	14	0.32
No 7 Chile Chico-Chacabuco	7-1	Paulina	SM 705	<20	50	59	5.80%	0.24%	<1	36	2.69
			SM 707	<20	12	54	0.68%	2.14%	6	69	1.00
			SM 709	<20	51	33	2.60%	0.18%	12	88	1.09
			SM 712	<20	220	95	8.65%	0.35%	<1	80	4.84
			SM 714	<20	162	29	4.71%	394	13	40	2.90
			SM 719	<20	430	86	4.51%	0.14%	2	128	4.26
	7-2	Laguna Verde	FM 703	<20	0.1	25	<20	13	<1	6	0.05
			FM 705	<20	0.5	24	490	273	1	29	0.16
			FM 706	360	5.5	26	0.24%	386	4	335	0.27
			FM 757	20	1.5	305	0.38%	1.04%	1	117	0.05
			FM 761	<20	0.4	3	20	21	2	42	0.05
			FM 762	20	0.3	6	30	55	1	44	0.05
			FM 764	<20	0.5	6	540	50	3	32	0.32
			FM 767	20	0.7	32	500	0.11%	4	16	0.05
			FM 768	<20	0.3	9	50	62	1	30	0.05
			FM 769	<20	0.4	24	250	260	3	19	0.05
			FM 770	20	0.3	6	100	39	3	37	0.05
	7-3	La Poza	FM 716	20	0.2	6	180	251	77	470	0.32
			FM 717	<20	0.9	9	170	312	21	169	2.07
			FM 718	<20	2.0	8	300	289	4	92	0.11

Table 3 The Results of Ore Assayings(11)

Area	Locations		Assay Results								
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 7 Chile Chico-Chacabuco	7-3	La Poza (continued)	FM 719	<20	0.8	5	0.10%	853	28	254	0.11
			FM 720	<20	182	260	16.3%	3.32%	<1	134	6.69
			FM 722	<20	134	140	12.6%	4.38%	<1	57	7.15
			FM 723	<20	17.9	22	1.50%	0.94%	2	55	1.31
			FM 724	<20	23	20	0.97%	1.79%	<1	56	3.99
			FM 725	<20	0.9	3	0.12%	471	59	519	0.26
	7-4	Valle Del Río Avilles	SM 721	360	105	12.5%	200	172	13	13	26.68
			SM 722	340	200	24.0%	520	424	6	<5	25.54
	7-5	Mina Escondida y Veta Nueva	YM 701	40	210	6.82%	14.5%	14.6%	2	69	20.03
			YM 702	<20	83	8.02%	1.20%	2.02%	<1	15	9.98
			YM 703	<20	1.1	768	420	318	<1	19	0.05
			YM 704	<20	1.0	679	520	716	1	18	0.11
	7-a	Cerro Bayo	FM 741	40	0.3	12	30	37	2	16	0.25
			FM 742	20	0.5	5	30	13	12	106	0.11
			FM 744	60	1.8	4	50	59	19	54	0.22
			FM 745	20	4.3	2	20	24	2	124	0.47
			FM 746	20	0.9	2	<20	10	1	17	0.26
			FM 750	1.08ppm	48	4	90	11	5	65	0.21
			FM 752	80	3.7	2	30	14	6	68	0.05
			FM 753	80	5.5	1	<20	17	2	12	0.05
	7-b	El Colegio Alteration zone	FM 754	<20	0.5	1	30	16	1	31	0.11

Table 3 The Results of Ore Assayings(12)

Area	Locations		Assay Results							
	No	Mines/Prospects	Sample No	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)	As(ppm)	S(%)
No 7 Chile Chico-Chacabuco (continued)	7-c	Veta Don Juan	FM 727	2.92ppm	38	0.28%	650	395	50	285	0.26
			FM 728	260	2.4	48	210	144	2	124	0.11
			FM 730	3.54ppm	90	0.20%	0.10%	733	4	484	3.99
			FM 732	80	15.6	262	300	999	4	238	0.01
			FM 733	60	1.4	21	50	141	4	15	0.05
	-	Estero Lo Carera	FM 701	80	49	6.20%	420	463	3	100	6.96
	-	Río Furioso	FM 702	<20	0.3	68	40	4	<1	10	0.21
	-	Río Aviles or Pedregoso	OM 701	20	0.5	7	90	15	1	40	0.22
			OM 702	20	2.6	5	250	255	<1	91	0.37
			OM 703	20	0.8	4	40	6	4	48	0.05
			OM 704	160	5.1	65	0.60%	401	11	24	0.32
			OM 705	<20	0.7	6	20	27	31	55	7.52
			OM 706	<20	0.7	167	50	17	1	82	2.46

Table 4 Results of Microscopy of Thin Sections (1)

Part 1: Plutonic rocks

Area	Location *	Sample	Rock name	Texture	Minerals					
					qz	pl	or	bi	am	px
No1		FT 105	Granodiorite	Subhedral	○	◎	△	○	△	
No2		TT 204	Granite	Foliated (Cataclasis tex.)	◎	◎	△	△		△
		TT 205	Granite	ditto	◎	◎	○	△		
		PT 201	Monzogranite	Subhedral	○	○	◎	○	△	
No3		PT 301	Monzogranite	Subhedral	△	◎	◎	○	△	
No4	4-3	YT 410	Granite	Subhedral	○	◎	◎	◎		
		YT 414	Rhyolite porphyry	Porphyritic	○	◎	△	△		
	4-10	YT 403	Aplite	Sacaroidal	◎		○	△		
	Río Cisnes	TT 406	Diorite	Euhedral, granular	○	◎			○	
		TT 404	Monzogranite	Subhedral	○	○	◎	△	△	
		TT 409	ditto	ditto	○	○	◎	△		
No5	5-7	TT 508	Granodiorite	Cataclastic, subhedral, in-equigranular	○	◎	○	△	△	
	5-10 to 5-19	TT 531	Graphic granite	Subhedral	◎	◎	◎	△	△	
		YT 511	Porphyric diorite	Euhedral, equigranular		◎		△	△	
		OT 502	Monzogranite	Subhedral, in-equigranular	△	◎	◎	○	tr	
		OT 506	Granodiorite	ditto	○	◎	△	○	○	

*: Locations of mines and prospects are denoted as the numbers in the text.

Abundance of minerals: ◎ ; abundant, ○ ; common, △ ; scarce, tr; trace

Abbreviations: qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am; amphibole, px; pyroxene, ol; olivine, gl; glass, lm; limonite, cl; chlorite, se; sericite, ka; kaolinite, to; tourmaline, ta; talc, ak; ankerite, sd; siderite, ms; muscovite, ep; epidote, gr; garnet

Table 4 Results of Microscopy of Thin Section (2)

Part 1: Plutonic rocks (continued)

Area	Location *	Sample	Rock name	Texture	Minerals					
					qz	pl	or	bi	am	px
No6		PT 601	Microdiorite	Porphyritic	◎	◎	△	△		△
		PT 602	Monzogranite	Subhedral	○	○	◎	○		
		PT 603	Monzogranite	Subhedral, equigranular	○	○	◎	○	△	
No7	7-3	FT 709	Porphyric diorite	Euhedral, inequigranular	△	◎				
	7-4	ST 727	Monzogranite	Subhedral, granular	○	◎	○	△	△	
		OT 701	Gabroide rock	Euhedral, granular		◎			○	

*: Locations of mines and prospects are denoted as the numbers in the text.

Abundance of minerals: ◎ ; abundant, ○ ; common, △ ; scarce, tr; trace

Abbreviations: lit; lithic fragments, qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am; amphibole, px; pyroxene, ol; olivine, gl; glass, lm; limonite, cl; chlorite, se; sericite, ka; kaolinite, to; tourmaline, ta; talc, ak; ankerite, sd; siderite, ms; muscovite, ep; epidote, gr; garnet

Table 4 Results of Microscopy of Thin Sections (3)

Part 2 Volcanic rocks

Area	Location *	Samnple	Rock name	Texture	Phenocryst						Groundmass					
					pl	qz	bi	am	px	ol	gl	pl	qz	px	am	ol
No4	Río Cisnes	TT 401	Olivine-pyroxene basalt	Porphyritic, intergranular	○			△	○	△		◎		○		△
No5	5-10 to 5-19	TT 532	Dolerite	ditto	○							◎				
		YT 510	Andesite	Porphyritic	○							○				
		YT 522	Basalt	Recrystalline	△			△				◎				
	5-36	TT 525	Andesite	Fluidal,porphyritic	○						◎			△		
	5-b	FT 518	Dolerite	Porphyritic, intergranular	◎											
No7	7-3	FT 712	Dacite to andesite	Porphyritic	○							◎				

*: Locations of mines and prospects are denoted as the numbers in the text.

Abundance of minerals: ◎ ; abundant, ○ ; common, △ ; scarce, tr; trace

Abbreviations: qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am;amphibole, px; pyroxene, ol; olivine, gl; glass, lm; limonite, cl; chlorite, se; sericite, ka; kaolinite, to; tourmaline, ta; talc, ak; ankerite, sd; siderite, ms; muscovite, ep; epidote, gr; garnet

Table 4 Results of Microscopy of Thin Sections (4)

Part 3 Pyroclastic rocks

Area	Location *	Sample	Rock name	Texture	Fragment								Matrix
					lit	qz	pl	or	bi	am	px	po	gl
No5	5-5	YT 501	Vitreous tuff		△	○	○	△				△	◎
		YT 502	ditto(igninbrite)		○	○	○	△				△	○
	5-21	PT 506	Vitreous tuff		○	○	△					○	○
No7	7-3	FT 707	Crystalline ash tuff	fine grained	△	○	○					△	◎
		FT 708	Andesitic lapilli tuff		◎	△	△					◎	○
		FT 711	Vitreous tuff		△	△	△					○	○
		FT 737	Tuffaceous arenite or crystalline tuff		△	○	○						
		OT 702	Vitreous tuff		△	○	○	△	△			△	◎

*: Locations of mines and prospects are denoted as the numbers in the text.

Abundance of minerals: ◎ ; abundant, ○ ; common, △ ; scarce, tr; trace

Abbreviations: lit; lithic fragments, qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am;amphibole, px; pyroxene, ol; olivine, gl; glass, lm; limonite, cl; chlorite, se; sericite, ka; kaolinite, to; tourmaline, ta; talc, ak; ankerite, sd; siderite, ms; muscovite, ep; epidote, gr; garnet

Table 4 Results of Microscopy of Thin Sections(5)

Part 4 Metamorphic rocks

Area	Location *	Sample	Rock name	Texture	Minerals														
					qz	pl	or	bi	ms	am	cl	ca	ep	ka	to	ta	ol	px	gr
No2		TT 203	Hornfels	Granoblastic												◎	◎		
No3		PT 302	Qz-mica schist	Granolepido-blastic	◎	○	△	◎											
		PT 303	Gneiss	Mosaic to grano-lepidoblastic	◎			○	△		△								
		PT 305	Metaandesite	Porphyroblastic	○	◎				○	○								
		PT 306	Metasandstone	Granolepido-blastic	◎	○	○	○		△	△			△					
No4	4-1	PT 424	Skarn	Granoblastic														◎	
	4-3	PT 426	Recrystalized ignimbrite	Fine granoblas-tic	○	○								○					
No5	5-2	PT 512	Hornfels	Granolepidoblast brecciated	◎	○	△			○	○				△				
		PT 517	Mica schist	Granolepidoblast	○	△	○	◎											
	5-5	YT 503	Qz-mica schist	ditto+granoblast	◎	○	△				◎			○					
	5-8	TT 552	Mica schist	Granolepidoblast	○				○		◎		△						
		YT 559	Mica schist	ditto	○			△		△	◎	△	○						
		YT 560	Qz-mica schist	ditto	◎				◎		○								
	5-9	YT 586	ditto	ditto	◎				◎			△	△	○					

*: Locations of mines and prospects are denoted as the numbers in text

Abundance of minerals: ◎ ; Abundant, ○ ; common, △ ; scarce

Abbreviations:qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am; amphibolite, px; pyroxene, ol; olivine, gl; glass, lm; limonite, ca; calcite, cl;chlorite, se;sericite, to; tourmaline, ta; talc, ak;ankerite, sd; siderite, ms; muscovite ep; epidote, ka; kaolinite, gr; garnet

Table 4 Results of Microscopy of Thin Sections(6)

Part 4 Metamorphic rocks(continued)

Area	Location *	Sample	Rock name	Texture	Minerals														
					qz	pl	or	bi	ms	am	cl	ca	ep	ka	to	ta	ol	px	gr
	5-10 to 5-19	TT 533	Contact metamorphic rock	Granoblastic	◎	○						◎		△					
	5-a	FT 508	Metasandstone	ditto	◎	○	△					○							
	5-b	FT 519	Skarn	ditto														◎	○
		OT 509	Amphibolite	Nematoblastic		○				◎									
No7	7-5	YT 701	Schistose rock	Granolepidoblast +brecciated	◎				◎		○	△							

*: Locations of mines and prospects are denoted as the numbers in text

Abundance of minerals: ◎ ; Abundant, ○ ; common, △ ; scarce

Abbreviations:qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am; amphibolite, px; pyroxene, ol; olivine, gl; glass, lm; limonite, ca; calcite, cl;chlorite, se;sericite, to; tourmaline, ta; talc, ak;ankerite, sd; siderite, ms; muscovite, ep; epidote, ka; kaolinite, gr; garnet

Table 4 Results of Microscopy of Thin Sections (7)

Part 5 Carcareous Metamorphic rock

Area	Location *	Sample	Rock name	Texture	lit	qz	pl	ca	lm-ht	ak	sd	Observation
No5	5-9	YT 563	Marble	Granoblastic		△		◎				Suture texture in contact boundary of calcite
		YT 566	ditto	ditto				◎				
No7	7-3	FT 710	Recrystalized marl	ditto				◎				Contains pyro-clastics
		FT 713	marl-lutite	Granoblastics-fragmental		○	○	◎	◎	○	△	Alternative textures of calcareous materials and detritus
		FT 714	Recrystalized calcareous marl	Granoblast, fine grained	○	△	△	◎	◎		△	

*: Locations of mines and prospects are denoted as the numbers in text

Abundance of minerals: ◎ ; Abundant, ○ ; common, △ ; scarce

Abbreviations: lit; lithic fragments, qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am; amphibolite, px; pyroxene, ol; olivine, gl; glass, lm; limonite, ca; calcite, cl;chlorite, se;sericite, to; tourmaline, ta; talc, ak;ankerite, sd; siderite, ms; muscovite ep; epidote, ka; kaolinite, gr; garnet

Table 4 Results of Microscopy of Thin Sections (8)

Part 6 Veins and breccias

Area	Location *	Sample	Texture	qz	lm	cl	ca	at	ak	clast	Remarks
No2		TT 201	Laminated	◎	tr						
No5	5-2	FT 510	Granular, brecciated	◎		○					Quartz breccia occurs with detritus of metamorphic rocks
	5-8	YT 558	ditto	◎		○	△				ditto
	5-9	YT 573	Brecciated	◎						○	Brecciated rhyolitic tuff
	5-21	PT 505	Granular	◎	tr						
	5-a	FT 507	Brecciated	◎		○	△			△	Clasts:plagioclase-orthoclase

*: Locations of mines and prospects are denoted as the numbers in text

Abundance of minerals: ◎ ; Abundant, ○ ; common, △ ; scarce, tr; trace

Abbreviations: lit; lithic fragments, qz; quartz, pl; plagioclase, or; orthoclase, bi; biotite, am; amphibolite, px; pyroxene, ol; olivine, gl; glass, lm; limonite, ca; calcite, cl;chlorite, se;sericite, to; tourmaline, ta; talc, ak;ankerite, sd; siderite, ms; muscovite ep; epidote, ka; kaolinite, gr; garnet

Table 5 Results of Ore Microscopy on the Polished Sections

Area	Location	Sample	Minerals Determined															
			Au	Ag	Ag-s	cp	cc	cv	gn	ang	sp	py	po	apy	ht	mt	il	mo
No 1	1-a;Mina Araucaria	FPs111										○			◎	○		
No 3	3-c;Garcia Ⅱ	YPs310																
	Granitoids samples	SPs301														△		
	taken on the road	SPs302														○		
	traversing the	SPs303													○	△	△	
	Patagonian batholith	SPs304													△	○	△	
		SPs305				tr						△				△		
		SPs306				△						○				△		
		SPs307														○	△	
		SPs308														△	△	
		SPs309														tr		
		SPs310										○						
		SPs311														○		
		SPs312														△	△	
No 4	4-1;Cerro Estauas	FPs424				○			◎		◎			○				
	4-3;Santa Teresa	FPs429		tr		○			◎		○	○						
	4-4;Mina El Toqui																	
	Vein deposit	FPs406			△	◎					○	△	△					
		FPs409				○			◎		◎	△						
	Manto deposit	FPs402		△	△	△					○		◎					
		FPs404			△	△			tr		◎	○	△					
	4-5;Katterfeld																	
	Old vein	FPs412	tr				△		◎	△	△							
	New vein	FPs415				△						○			○			
	4-10;Rio Cisnes	YPs402													○			△
No 5	5-3;Veta Perez	SPs518										○		◎				
	5-5;Rio Resbalon	YPs501										○			△			
		YPs502				△						◎						
		YPs503				○							◎					
		YPs504	no opaque mineral determined															
	5-6;Felix Barria Ⅰ	SPs516				○					△	△	◎					
		SPs517		tr		◎					△	○						
	Felix Barria Ⅱ	FPs522				◎							◎					
	5-7;Cerro Castillo	TPs503				○									○	◎		
		TPs504				△					△							
	5-8;Mina Las Chivas	YPs539				◎					△		◎	△				
		YPs550				◎					△	○	◎					
	5-9;Mina El Pelado	YPs562							△			△		○				
		YPs582					○		○		◎	△						
		YPs590																
	5-10 to 5-19;	YPs529			△	○			◎	△	◎	△						
	Mina Silva	TPs534													△	◎		
		TPs548				△			△	△	◎							
		TPs555		tr		◎			○		○	○		○				
	5-20(a);Rio																	
	Avellanos Ⅰ	OPs519				○			◎			△		○				
	5-34;Vista Alegre	TPs511							○		◎	○						
	5-36;Mina Rosillo	TPs518										○		◎				
		TPs519				△					◎			△				
		TPs520				○					◎	○		○				
		TPs521										◎		○				
		TPs524				△					◎	△						
	5-54;Veta Torres Ⅰ	FPs503				◎						△						
		OPs510										◎			○			
No 7	7-1;Paulina	SPs706							○									
		SPs713							◎		△							
	7-2;Laguna Verde	FPs758							△			△			○			
		FPs765													△			
	7-3;La Poza	FPs716							○	△					◎			
		FPs718										△			○			
		FPs721							◎		△							
		FPs734				△			◎	△	○							
		FPs735							○	△					○			
		FPs736							◎	△	△							
	7-4;Valle Del Rio																	
	Aviles	SPs723				◎												
	7-5;Mina Escondida	YPs701				◎	◎		◎		◎							
		YPs702				◎			○		◎							
	7-b;El Colegio																	
	Alteration zone	FPs754										△						
	7-c;Veta Don Juan	FPs729				○						△			○			
		FPs731				△						△			◎			

Abbreviations:Au;free gold, Ag;free silver, Ag-s;silver bearing sulfosalts, cp;chalcopyrite, cc;chalcocite, cv;coveline, gn;galena, ang;anglesite, sp;sphalerite, py;pyrite, po;pyrrohotite, apy;arsenopyrite, ht;hematite, mt;magnetite, il;ilmenite, mo;molybdenite
◎;abundant, ○;common, △;scarce, tr;trace

Table 6 Results of X-Ray Diffraction Analysis (1)

Area	Location	Sample	Minerals determined																									
			qz	pl	K-fe	mus	bi	chl	ka	di	ha	mont	epi	amp	cal	sid	smt	ank	jar	mt	ht	goe	py	cp	po	sp	gn	ang
No 1	1-a Araucaria	FX 112	◎			△		◎													?							
		YX 107	○			△		○													○							
No 3	3-a Pto.Reyes	YX 301	◎			○		○													△							
	3-b Garcia I	YX 308	◎					△					○															
	3-c Garcia II	YX 310	◎					△					○										△					
		YX 311	○					△													○							
	3-d Arroyo Pedregoso	SX 305	◎	○	△	△		△	△														△			△		
No 4	4-1 Co. Estatuas	FX 424												○														
	4-3 Santa Teresa	FX 425	◎	◎		○														△								
		FX 432	◎			○			△							○		○										
		FX 434	◎	◎		△			◎																○			
		FX 436	◎			○																	△			△	◎	
		YX 409	◎	◎	△				△						△													
		YX 412	◎	○		△			◎			△			○	△		△										
		YX 418	◎		○	○	○																△					
		YX 419	◎			○									△						△		△					
	4-4 El Toqui (vein)	FX 403	◎					○							○										○	○		
	(Manto)	FX 405				◎																	△	△				
	4-5 Katterfeld	FX 416	◎			○																	○					
		FX 417	◎			○																	○					
		FX 418	◎			○			○						○								△	○				
		FX 419	◎							◎																		
		FX 420	◎							○											○							
		FX 422	◎			○																						
	4-10	YX 404	◎	◎	○	△	△		○																			
No 5	5-3 Veta Perez	SX 513	◎	○	?																							
		SX 514	○											◎	△										△			
	5-5 Rio Resbalón	YX 506	◎	◎		?		○	?																			
	1km NE of prospect	YX 501	◎	◎				△	△																			

Abbreviations: qz; quartz, pl; plagioclase, K-fe; K-feldspar, mus; muscovite, bi; biotite, chl; chlorite, ka; kaolinite, di; dickite ha; halloysite, mont; montmorillonite, epi; epidote, amp; amphibole, cal; calcite, sid; siderite, smt; smithonite, ank; ankerite, jar; jarosite, mt; magnetite, ht; hematite, goe; goethite, py; pyrite, cp; chalcopyrite, po; pyrrohotite, sp; sphalerite, gn; galena, tc; talc

Peak Intensities: ◎; strong, ○; medium, △; weak, ? ; uncertain

Table 6 Results of X-Ray Diffraction Analysis (2)

Area	Location	Sample	Minerals determined																										
			qz	pl	K-fe	mus	bi	chl	ka	di	ha	mont	epi	amp	cal	sid	smt	ank	jar	mt	ht	goe	py	cp	po	sp	gn	ang		
No. 5	ditto	YX 502	◎	◎								?			○														
		YX 503	◎	○				◎							◎														
	Upriver of Rio Resbalón(Tres Arroyos)	YX 504	◎	◎	○	△																							
		YX 505	◎	◎			○	△															△						
	5-7 Co. Castillo	TX 509	◎	?	◎								?								○								
	5-8 Mina Chivas	TX 553													◎														
		TX 556	◎	○		○		○							◎														
		YX 540	◎	○		△		◎							?														
		YX 541	◎	○		△		○							△														
		YX 542	◎	○		○		○																					
		YX 545	◎	◎		△		○																					
		YX 547	◎	◎		○		○																					
		YX 549	◎	◎		△		○																					
		YX 551	◎	○		△		○													?								
		YX 553	◎																			○							
		YX 555	◎					△																					
	5-9 Mina el Pelado	YX 568	◎										?		○								○			?	?		
		YX 569	△												◎														
		YX 575																	△			○							
		YX 579	◎					○							?	○		?								○	○		
		YX 588	○												◎			△					?			?			
		YX 594	○												◎								○			?	△		
		YX 596	◎			○								?															
		YX 599	○												◎			○								?			
	5-10 to 5-19 Mina Silva	TX 539						◎							○						△								
		TX 542	○					◎	?																				
		YX 513		◎	○			○																		△			
		YX 514												◎	◎			?		○									tc: ?
		YX 516													◎														

Abbreviations: qz; quartz, pl; plagioclase, K-fe; K-feldspar, mus; muscovite, bi; biotite, chl; chlorite, ka; kaolinite, di; dickite ha; halloysite, mont; montmorillonite, epi; epidote, amp; amphibole, cal; calcite, sid; siderite, smt; smithonite, ank; ankerite, jar; jarosite, mt; magnetite, ht; hematite, goe; goethite, py; pyrite, cp; chalcopyrite, po; pyrrohotite, sp; sphalerite, gn; galena

Peak Intensities: ◎; strong, ○; medium, △; weak, ? ; uncertain

Table 6 Results of X-Ray Diffraction Analysis (3)

Area	Location	Sample	Minerals determined																									
			qz	pl	K-fe	mus	bi	chl	ka	di	ha	mont	epi	amp	cal	sid	smt	ank	jar	mt	ht	goe	py	cp	po	sp	gn	ang	others
No 5	Mina Silva (continued)	YX 517												◎	○														
		YX 528													?		○	◎											
		YX 531															△	◎								◎			
		YX 533													◎			◎								◎			
	5-34 Vista Alegre	TX 513	◎			○		△							○								△						gyp:△
		TX 514	◎	△	○	○																	△						
		TX 516	◎	○	○	△		○				?			△						?		?						
		TX 517	◎		○	△		△											△				○			△			
	5-36 Mina Rosillo	TX 522	◎			○		△	△														○			△			
		TX 528	◎	○		○		○																					
		YX 534	◎	?		○		△							○														
		YX 535																											Fe:○
		YX 536	◎			○		○						?															
	5-54 Veta Torres I	FX 504	◎	○		△		◎							?														
	5-b Felix Barria I	FX 509	△	○										◎									△						
	Felix Barria II	SX 503	△																			△		?					vm:△
No 7	7-1 Paulina	SX 708	◎			△										○											△		
		SX 715	◎																								◎	○	
		SX 716	△	○												○		○											
	7-2 Laguna Verde	FX 704	◎							○																			
		FX 759	◎		○	△			○			?			?														
		FX 760	◎		○				△																				
		FX 763	◎	◎	○				△										○				△						
		FX 766	◎		○				△																				
	7-3 La Poza	FX 715	◎	○											△	○		○											gc:○
	7-4 Valle del Rio Aviles	SX 725	◎	◎	○	○									△														
		SX 728	○																			△							
	7-5 Mina Escondida	YX 701	◎	△	△	△		△	△						?														
		YX 702	◎					○							△					△	△								

Abbreviations: qz; quartz, pl; plagioclase, K-fel; K-feldspar, mus; muscovite, bi; biotite, chl; chlorite, ka; kaolinite, di; dickite, ha; halloysite, mont; montmorillonite, epi; epidote, amp; amphibole, cal; calcite, sid; siderite, smt; smithonite, ank; ankerite, jar; jarosite, mt; magnetite, ht; hematite, goe; goethite, py; pyrite, po; pyrrohotite, cp; chalcopyrite, sp; sphalerite, gn; galena, gyp; gypsum, Fe; amorphous iron oxides, vm; vermiculite

Peak Intensities: ◎; strong, ○; medium, △; weak, ?; uncertain

Table 6 Results of X-Ray Diffraction Analysis (4)

Area	Location	Sample	Minerals determined																										
			qz	pl	K-fe	mus	bi	chl	ka	di	ha	mont	epi	amp	cal	sid	smt	ank	jar	mt	ht	goe	py	cp	po	sp	gn	ang	others
	7-5 Escondida (continued)	YX 703	◎	○	◎	○		○																					
	7-a Co. Bayo	FX 738	◎		○	△													○										
		FX 739	◎		○	○			○			?																	
		FX 740	◎		○	○						?																	
		FX 743	◎		○	○			△														△						
		FX 747	◎		○	○					?	?																	
		FX 748	◎		○				△			?																	
		FX 749	◎		○	△			△			?							△										
		FX 751	◎		○	△						?							?										
	7-b El Colegio Alteration Zone	FX 755	◎		○	○																							
		FX 756	◎	○	○	△																							
	7-c Veta Don Juan	FX 725	◎			○																							
		FX 726	◎	○		○																							

Abbreviations: qz: quartz, pl: plagioclase, K-fel: K-feldspar, mus: muscovite, bi: biotite, chl: chlorite, ka: kaolinite, di: dickite, ha: halloysite, mont: montmorillonite, epi: epidote, amp: amphibole, cal: calcite, sid: siderite, smt: smithonite, ank: ankerite, jar: jarosite, mt: magnetite, ht: hematite, goe: goethite, py: pyrite, po: pyrrohotite, cp: chalcopyrite, sp: sphalerite, gn: galena

Peak Intensities: ◎: strong, ○: medium, △: weak, ?: uncertain

Table 7 Results of Whole Rock Analysis (1)

Sample No	FR103	OR503	OR507	PR201	PR301	PR601	PR602	SR301	SR302	SR303	SR304	SR305
SiO_2	62.840	74.390	70.090	73.120	74.590	73.550	63.330	73.540	70.070	77.030	74.990	59.060
TiO_2	0.540	0.090	0.380	0.150	0.210	0.310	0.740	0.240	0.440	0.160	0.150	0.590
Al_2O	17.480	14.230	15.150	15.120	13.840	14.160	17.600	14.130	14.840	13.590	13.270	16.600
Fe_2O	1.829	0.168	1.141	0.137	0.659	0.469	1.800	0.495	1.584	0.337	0.577	1.691
FeO	2.430	0.650	1.610	1.280	0.550	1.540	3.320	1.390	1.310	0.570	0.570	4.480
MnO	0.080	0.030	0.040	0.020	0.030	0.030	0.130	0.040	0.060	0.030	0.030	0.120
MgO	2.400	0.160	1.270	0.340	0.360	0.380	1.240	0.480	1.010	0.200	0.280	3.190
CaO	5.430	1.120	2.970	2.420	1.580	1.640	3.790	2.160	3.020	0.710	1.360	6.150
Na_2O	4.210	3.320	4.260	4.580	3.440	3.100	4.610	3.240	3.970	4.020	3.700	3.080
K_2O	1.690	5.680	2.630	1.500	4.330	4.920	3.290	4.040	2.870	4.310	4.140	2.140
P_2O_5	0.100	0.010	0.060	0.030	0.020	0.040	0.200	0.030	0.060	0.010	0.020	0.090
BaO	0.070	0.230	0.070	0.080	0.110	0.210	0.160	0.130	0.090	0.090	0.100	0.080
Loi	0.520	0.270	0.500	0.570	0.390	0.200	0.340	0.440	0.610	0.380	0.230	1.620
Total	99.619	100.348	100.171	99.347	100.109	100.549	100.550	100.355	99.934	101.437	99.417	98.891
Q	16.503	30.307	26.513	34.229	34.080	31.831	12.884	33.159	28.069	35.123	34.193	13.556
C	0.000	0.610	0.042	1.638	0.672	0.851	0.044	0.574	0.000	1.048	0.280	0.000
or	9.988	33.569	15.543	8.865	25.590	29.077	19.444	23.877	16.962	25.472	24.468	12.647
ab	35.603	28.077	36.026	38.732	29.091	26.216	38.986	27.400	33.573	33.996	31.290	26.047
an	23.815	5.490	14.341	11.807	7.706	7.875	17.503	10.518	14.203	3.456	6.615	25.155
ne	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
wo	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
di-wo	1.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.161	0.000	0.000	1.989
di-en	0.695	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.122	0.000	0.000	1.086
di-fs	0.257	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.023	0.000	0.000	0.831
hy-en	5.280	0.398	3.162	0.846	0.896	0.946	3.087	1.195	2.393	0.498	0.697	6.855
hy-fs	1.951	0.962	1.461	2.026	0.175	1.985	3.629	1.821	0.459	0.560	0.379	5.247
ol-fo	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ol-fa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
mt	2.651	0.243	1.653	0.199	0.955	0.679	2.609	0.718	2.296	0.488	0.836	2.451
hm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
il	1.026	0.171	0.722	0.285	0.399	0.589	1.406	0.456	0.836	0.304	0.285	1.121
ap	0.237	0.024	0.142	0.071	0.047	0.095	0.474	0.071	0.142	0.024	0.047	0.213
Total	99.020	99.850	99.580	98.700	99.610	100.130	100.040	99.780	99.210	100.970	99.080	97.200

Table 7 Results of Whole Rock Analysis (2)

Sample No	SR306	SR307	SR308	SR309	SR310	SR311	SR312	SR726	TR201	TR205	TR400	TR403
SiO_2	67.750	48.050	49.300	69.460	62.870	66.520	62.470	65.630	40.120	69.320	44.530	72.920
TiO_2	0.460	0.740	0.140	0.470	0.560	0.300	0.560	0.550	0.005	0.310	2.800	0.300
Al_2O_3	14.620	18.860	23.210	16.360	16.550	16.070	16.600	15.920	1.790	15.570	17.290	14.100
Fe_2O_3	1.377	3.673	1.333	0.878	2.437	1.912	2.479	1.976	2.431	0.714	7.279	0.830
FeO	2.450	5.900	2.670	2.170	3.440	1.510	2.970	1.920	4.750	2.390	4.500	1.080
MnO	0.060	0.180	0.110	0.050	0.070	0.090	0.110	0.080	0.040	0.100	0.180	0.050
MgO	1.740	6.510	6.210	0.760	2.230	1.550	2.410	1.860	35.860	1.130	4.930	0.630
CaO	4.370	10.420	13.460	3.610	4.410	3.260	5.350	4.110	1.380	3.480	7.480	2.030
Na_2O	3.270	1.960	1.470	3.360	2.810	4.200	3.590	3.770	0.080	4.310	3.500	4.210
K_2O	2.100	0.450	0.100	1.120	1.040	3.520	1.990	3.630	0.020	1.380	1.040	2.900
P_2O_5	0.080	0.100	0.020	0.130	0.090	0.120	0.100	0.170	0.005	0.080	0.380	0.070
BaO	0.070	0.050	0.050	0.070	0.070	0.120	0.070	0.100	0.280	0.070	0.060	0.100
Loi	0.590	1.010	0.770	1.300	2.650	0.560	0.540	0.670	11.050	0.490	3.800	0.220
Total	98.937	97.903	98.843	99.738	99.227	99.732	99.239	100.386	97.811	99.344	97.769	99.440
Q	28.204	2.146	2.831	35.970	28.443	19.455	18.551	18.961	0.000	28.492	0.000	31.852
C	0.000	0.000	0.000	3.370	3.002	0.000	0.000	0.000	0.000	0.854	0.000	0.514
or	12.411	2.660	0.591	6.619	6.146	20.803	11.761	21.453	0.118	8.156	6.146	17.139
ab	27.654	16.575	12.431	28.415	23.764	35.519	30.360	31.882	0.677	36.449	29.599	35.603
an	19.018	41.338	56.439	17.063	21.289	14.607	23.310	15.802	4.466	16.741	28.402	9.615
ne	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
wo	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
di-wo	0.892	4.047	4.252	0.000	0.000	0.327	1.076	1.454	0.979	0.000	2.604	0.000
di-en	0.522	2.640	3.099	0.000	0.000	0.242	0.693	1.059	0.800	0.000	2.251	0.000
di-fs	0.327	1.126	0.757	0.000	0.000	0.054	0.310	0.259	0.061	0.000	0.000	0.000
hy-en	3.809	13.566	12.360	1.892	5.551	3.617	5.306	3.571	27.302	2.813	7.514	1.568
hy-fs	2.386	5.786	3.018	2.576	3.509	0.812	2.375	0.875	2.074	3.473	0.000	0.895
ol-fo	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42.869	0.000	1.758	0.000
ol-fa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.588	0.000	0.000	0.000
mt	1.996	5.323	1.932	1.273	3.532	2.771	3.593	2.864	3.523	1.035	6.974	1.203
hm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.466	0.000
il	0.874	1.406	0.266	0.893	1.064	0.570	1.064	1.045	0.009	0.589	5.319	0.570
ap	0.189	0.237	0.047	0.308	0.213	0.284	0.237	0.402	0.012	0.189	0.900	0.166
Total	98.270	96.840	98.020	98.360	96.500	99.050	98.620	99.600	86.480	98.770	93.930	99.100

Table 7 Results of Whole Rock Analysis (3)

Sample No	TR405	TR408	TR508	TR531	TR532	TR533	YR405	YR414	YR501	YR502	YR523	YR601
SiO_2	55.250	70.350	63.030	70.550	49.670	53.930	76.330	71.850	62.000	62.280	57.600	69.870
TiO_2	1.160	0.380	0.620	0.250	1.360	1.080	0.170	0.300	0.660	0.770	1.370	0.670
Al_2O_3	16.160	15.050	16.270	14.320	15.920	17.110	12.910	14.260	14.920	15.980	15.120	13.680
Fe_2O_3	4.289	0.824	1.977	0.654	2.104	2.000	0.456	1.101	4.032	4.223	3.143	1.170
FeO	4.770	1.400	2.540	2.210	7.420	1.890	0.220	0.980	3.840	2.400	6.350	3.950
MnO	0.180	0.030	0.060	0.030	0.280	0.160	0.005	0.060	0.140	0.080	0.140	0.060
MgO	3.470	1.010	2.270	0.380	4.450	1.220	0.120	0.520	2.000	1.460	2.050	1.430
CaO	6.810	2.640	3.530	1.790	4.190	6.940	0.790	1.940	5.140	2.690	4.510	0.210
Na_2O	3.680	4.810	4.800	3.860	4.340	3.040	3.750	4.520	3.590	5.260	3.650	1.380
K_2O	1.010	2.240	2.250	4.080	3.540	3.860	3.930	2.890	1.000	1.300	2.580	2.830
P_2O_5	0.210	0.090	0.150	0.050	0.280	0.270	0.050	0.050	0.130	0.160	0.290	0.120
BaO	0.060	0.070	0.070	0.120	0.170	1.350	0.070	0.100	0.050	0.060	0.110	0.090
Loi	1.050	0.470	0.930	0.970	4.460	8.820	0.630	0.550	0.830	2.450	1.180	3.180
Total	98.099	99.364	98.497	99.264	98.184	101.670	99.431	99.121	98.332	99.113	98.093	98.640
Q	10.859	26.311	15.101	26.800	0.000	7.789	37.761	29.496	23.012	19.241	12.089	46.364
C	0.000	0.131	0.000	0.421	0.000	0.000	1.172	0.292	0.000	1.414	0.000	8.250
or	5.969	13.238	13.298	24.113	20.922	22.813	23.226	17.080	5.910	7.683	15.248	16.725
ab	31.121	40.677	40.593	32.643	31.606	25.709	31.713	38.225	30.360	44.483	30.867	11.670
an	24.600	12.511	16.213	8.554	13.511	21.645	3.595	9.298	21.650	12.306	17.259	0.266
ne	0.000	0.000	0.000	0.000	2.761	0.000	0.000	0.000	0.000	0.000	0.000	0.000
wo	0.000	0.000	0.000	0.000	0.000	0.797	0.000	0.000	0.000	0.000	0.000	0.000
di-wo	3.263	0.000	0.135	0.000	2.279	3.807	0.000	0.000	1.253	0.000	1.350	0.000
di-en	2.136	0.000	0.091	0.000	1.160	3.037	0.000	0.000	0.751	0.000	0.568	0.000
di-fs	0.899	0.000	0.034	0.000	1.064	0.333	0.000	0.000	0.436	0.000	0.786	0.000
hy-en	6.502	2.514	5.560	0.946	0.000	0.000	0.299	1.295	4.228	3.635	4.535	3.560
hy-fs	2.737	1.318	2.085	3.161	0.000	0.000	0.000	0.507	2.455	0.000	6.275	5.291
ol-fo	0.000	0.000	0.000	0.000	6.951	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ol-fa	0.000	0.000	0.000	0.000	7.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000
mt	6.216	1.194	2.866	0.948	3.049	2.898	0.233	1.596	5.844	5.764	4.555	1.696
hm	0.000	0.000	0.000	0.000	0.000	0.000	0.295	0.000	0.000	0.246	0.000	0.000
il	2.204	0.722	1.178	0.475	2.584	2.052	0.323	0.570	1.254	1.463	2.603	1.273
ap	0.497	0.213	0.355	0.118	0.663	0.639	0.118	0.118	0.308	0.379	0.687	0.284
Total	97.000	98.820	97.480	98.160	93.560	91.520	98.720	98.470	97.450	96.590	96.820	95.360

Table 8 Assays on Stream Sediment Geochemistry (1)

No. 1 Area

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
FS101	<20	<0.1	19	4	75	<1	<5
FS102	<20	0.1	30	5	72	<1	<5
FS103	<20	<0.1	29	6	71	<1	<5
FS104	<20	0.1	16	9	61	<1	<5
FS105	<20	0.1	29	9	87	<1	<5
FS106	<20	0.1	27	3	90	<1	<5
FS107	<20	0.1	42	8	73	<1	<5
FS108	<20	0.1	29	3	79	<1	<5
FS109	<20	0.1	20	4	72	<1	<5
FS110	<20	<0.1	13	3	57	<1	<5
FS111	<20	0.2	20	15	73	<1	<5
FS112	<20	0.1	13	3	35	<1	<5
FS113	<20	0.1	20	6	56	<1	<5
FS114	<20	0.1	15	9	55	<1	<5
FS115	<20	<0.1	11	5	51	<1	<5
FS116	<20	0.1	26	7	68	<1	<5
FS117	<20	<0.1	16	3	49	<1	<5
FS118	<20	0.1	17	3	66	<1	<5
SS101	<20	<0.1	14	1	52	<1	<5
SS102	<20	<0.1	12	1	80	<1	<5
SS103	<20	0.1	19	13	68	<1	<5
SS104	<20	0.1	14	3	78	<1	<5
SS105	<20	<0.1	16	3	43	<1	<5
SS106	<20	0.2	19	1	107	<1	<5
SS107	<20	<0.1	11	2	32	<1	<5
SS108	<20	0.1	21	2	66	<1	<5
SS109	<20	0.1	21	4	66	<1	<5
SS110	<20	0.2	16	3	62	<1	<5
SS111	<20	0.1	26	3	60	<1	<5
SS112	<20	0.1	17	2	87	<1	<5
SS113	<20	<0.1	18	3	53	<1	<5
SS114	<20	<0.1	20	3	90	<1	<5
SS115	<20	<0.1	19	3	67	<1	<5
SS116	45	<0.1	24	5	60	<1	7
SS117	<20	<0.1	19	7	64	<1	<5

Table 8 Assays on Stream Sediment Geochemistry (2)

No. 1 Area

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
SS118	<20	<0.1	23	6	65	<1	<5
YS101	<20	<0.1	9	1	33	<1	<5
YS102	<20	<0.1	6	1	24	<1	<5
YS103	<20	<0.1	12	1	47	<1	<5
YS104	<20	<0.1	6	1	26	<1	<5
YS105	<20	<0.1	6	1	22	<1	<5
YS106	<20	<0.1	13	2	33	<1	<5
YS107	<20	<0.1	19	4	60	<1	<5
YS108	<20	0.1	20	1	93	<1	<5
YS109	<20	<0.1	20	4	80	<1	<5
YS110	<20	0.1	17	1	72	<1	<5
YS111	<20	0.1	6	1	23	<1	<5
YS112	<20	<0.1	20	4	43	<1	<5
YS113	<20	0.1	15	7	44	<1	<5
YS114	<20	0.1	23	4	52	<1	5
YS115	<20	<0.1	15	3	39	<1	<5
YS116	<20	0.1	13	2	50	<1	<5
YS117	<20	<0.1	19	4	70	<1	<5
YS118	<20	<0.1	17	1	67	<1	<5

Table 8 Assays on Stream Sediment Geochemistry (3)

No. 2 Area

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Pd (ppb)	Pt (ppb)	Co (ppm)	Fe (%)	Mn (ppm)	Ni (ppm)	Cr (ppm)
OS201	<2	<0.5	5	<5	28	<1	9	<2	<5	9	1.86	260	82	295
OS202	4	<0.5	5	<5	36	<1	5	<2	<5	8	2.07	270	632	60
OS203	4	<0.5	29	<5	88	<1	16	<2	<5	16	4.50	735	42	170
OS204	<2	<0.5	18	<5	42	<1	41	2	<5	40	4.82	445	942	1000
OS205	4	<0.5	18	5	70	<1	41	<2	<5	13	3.48	650	46	192
OS206	8100	0.5	20	<5	46	<1	6	<2	<5	12	2.80	375	40	215
OS207	6	<0.5	12	<5	54	<1	5	<2	<5	12	3.90	295	10	112
PS201	600	<0.5	5	<5	50	<1	4	<2	<5	7	2.41	270	4	200
PS202	<2	<0.5	4	<5	40	<1	4	<2	<5	7	2.25	295	6	184
PS203	4	<0.5	4	<5	58	<1	9	<2	<5	11	4.09	345	5	130
PS204	<2	<0.5	6	<5	56	<1	4	<2	<5	11	3.23	405	5	176
PS205	<2	<0.5	5	<5	58	<1	4	<2	<5	11	3.21	440	5	160
PS206	<2	<0.5	10	<5	54	<1	3	<2	<5	12	4.36	380	21	176
PS207	<2	<0.5	4	<5	14	<1	2	<2	<5	8	1.15	130	38	114
PS208	<2	<0.5	23	<5	46	<1	9	<2	<5	12	3.37	335	22	152
TS201	2	<0.5	65	<5	22	<1	12	2	<5	21	2.20	325	151	445
TS202	2	<0.5	18	<5	42	<1	27	4	<5	35	4.58	490	775	1650
TS203	<2	<0.5	3	<5	48	<1	7	<2	<5	15	3.93	390	139	400
TS204	<2	<0.5	7	<5	48	<1	14	<2	<5	20	3.27	470	327	760
TS205	<2	<0.5	<1	<5	44	<1	25	<2	<5	7	2.03	350	8	200
TS206	<2	<0.5	<1	<5	46	<1	27	<2	<5	7	2.02	370	6	260
TS207	6	<0.5	<1	<5	46	<1	29	<2	<5	7	2.15	280	6	210
TS208	4	<0.5	1	<5	46	<1	20	<2	<5	7	2.20	285	9	200
TS209	<2	<0.5	<1	<5	64	<1	2	<2	<5	4	1.82	235	3	150
TS210	<2	<0.5	<1	<5	48	<1	2	<2	<5	5	1.65	255	5	205
TS211	<2	<0.5	1	<5	52	<1	2	<2	<5	5	1.74	190	6	230
TS212	4	<0.5	4	<5	48	<1	27	<2	<5	8	2.42	270	8	200
TS213	<2	<0.5	<1	<5	48	<1	3	<2	<5	7	2.39	425	4	158
TS214	<2	<0.5	2	<5	48	<1	3	<2	<5	9	4.24	470	6	182

Table 8 Assays on Stream Sediment Geochemistry (4)

No. 3 Area (1)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
FS301	<20	0.1	18	8	45	1	<5
FS302	<20	<0.1	13	10	52	<	<5
FS303	<20	0.1	8	5	4	<1	<5
FS304	<20	<0.1	16	6	41	1	<5
FS305	<20	<0.1	8	2	29	<1	<5
FS306	<20	<0.1	11	3	35	<1	<5
FS307	<20	<0.1	4	3	26	2	<5
FS308	<20	<0.1	2	3	29	<1	<5
FS309	<20	<0.1	8	8	91	1	14
FS310	<20	0.1	8	7	90	<1	14
FS311	<20	0.1	29	28	132	1	<5
FS312	<20	0.4	44	144	465	2	10
FS313	<20	<0.1	11	8	55	1	7
FS314	<20	<0.1	19	3	32	<1	<5
FS315	<20	<0.1	42	4	30	<1	5
FS316	<20	<0.1	53	4	32	<1	5
FS317	<20	0.1	17	3	38	<1	5
FS318	<20	0.1	1	3	17	1	5
OS301	<20	<0.1	1	2	17	1	<5
OS302	<20	<0.1	4	2	14	<1	<5
OS303	<20	<0.1	5	8	37	1	<5
OS304	<20	<0.1	7	9	40	1	<5
OS305	<20	<0.1	4	4	48	1	<5
OS306	<20	<0.1	28	22	121	<1	<5
OS307	<20	<0.1	16	7	50	<1	<5
OS308	<20	<0.1	19	4	34	<1	<5
OS309	<20	<0.1	9	3	18	<1	<5
OS310	<20	<0.1	21	4	29	<1	<5
OS311	<20	<0.1	17	4	35	<1	<5
OS312	<20	<0.1	41	5	29	<1	<5
OS313	<20	<0.1	17	5	25	<1	<5
OS314	<20	<0.1	19	3	36	1	<5
OS315	<20	<0.1	32	8	57	<1	<5
OS316	<20	<0.1	69	6	51	<1	<5
PS301	<20	<0.1	23	20	82	<1	<5

Table 8 Assays on Stream Sediment Geochemistry (5)

No. 3 Area (2)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
PS302	<20	<0.1	23	8	63	1	<5
PS303	<20	0.1	31	7	60	1	<5
PS304	<20	<0.1	25	4	56	1	<5
PS305	<20	<0.1	15	3	41	1	<5
PS306	<20	<0.1	27	3	44	<1	<5
PS307	<20	<0.1	28	2	26	<1	<5
PS308	<20	<0.1	1	2	15	<1	<5
PS309	<20	<0.1	24	1	26	<1	<5
PS310	<20	<0.1	24	3	37	<1	<5
PS311	<20	<0.1	41	5	47	<1	6
PS312	<20	<0.1	23	5	30	1	<5
PS313	<20	0.3	31	44	93	<1	<5
PS314	<20	<0.1	22	3	32	<1	<5
PS315	<20	<0.1	35	5	44	<1	<5
PS316	<20	<0.1	18	7	37	<1	<5
SS301	<20	0.1	43	13	89	<1	8
SS302	<20	0.1	26	44	124	1	<5
SS303	<20	0.1	28	17	92	<1	10
SS304	<20	<0.1	42	7	62	<1	<5
SS305	<20	<0.1	31	9	69	<1	<5
SS306	<20	<0.1	35	10	67	<1	<5
SS307	<20	<0.1	25	9	57	<1	<5
SS308	<20	<0.1	38	9	63	<1	<5
SS309	<20	<0.1	30	10	66	1	<5
SS310	<20	<0.1	10	6	50	<1	7
SS311	<20	<0.1	33	9	64	<1	<5
SS312	<20	<0.1	16	8	64	1	<5
SS313	<20	<0.1	10	1	28	<1	<5
SS314	<20	<0.1	28	10	71	<1	<5
SS315	<20	<0.1	24	17	100	<1	<5
SS316	<20	<0.1	45	7	63	2	<5
SS317	<20	<0.1	20	4	44	1	<5
SS318	<20	0.1	57	21	48	1	<5
TS301	<20	<0.1	18	31	99	3	<5
TS302	<20	<0.1	3	2	20	1	<5

Table 8 Assays on Stream Sediment Geochemistry (6)

No. 3 Area (3)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
TS303	<20	<0.1	6	4	26	2	<5
TS304	<20	<0.1	7	4	26	<1	<5
TS305	<20	<0.1	15	6	32	2	<5
TS306	<20	<0.1	21	4	13	1	<5
TS307	<20	<0.1	14	4	12	1	<5
TS308	<20	<0.1	25	4	13	1	<5
TS309	<20	<0.1	20	9	41	1	9
TS310	<20	<0.1	25	2	18	1	<5
TS311	<20	<0.1	17	3	23	1	<5
TS312	<20	<0.1	27	15	97	<1	<5
TS313	<20	<0.1	6	6	30	<1	<5
TS314	<20	<0.1	9	5	25	1	<5
TS315	<20	<0.1	8	7	37	1	<5
TS316	<20	<0.1	9	4	46	1	<5
TS317	<20	<0.1	12	9	53	<1	<5
TS318	<20	<0.1	25	19	106	<1	<5
YS301	<20	<0.1	32	15	52	<1	5
YS302	<20	<0.1	9	8	51	<1	<5
YS303	<20	3.1	11	18	54	<1	<5
YS304	<20	<0.1	8	8	49	<1	<5
YS305	<20	<0.1	9	9	46	<1	<5
YS306	<20	<0.1	12	13	60	<1	<5
YS307	<20	<0.1	11	12	59	1	<5
YS308	<20	<0.1	8	9	47	1	<5
YS309	<20	<0.1	9	7	39	<1	<5
YS310	<20	<0.1	8	8	45	<1	<5
YS311	<20	<0.1	12	6	38	<1	<5
YS312	<20	<0.1	7	5	39	<1	<5
YS313	<20	<0.1	10	7	44	<1	<5
YS314	<20	<0.1	19	12	90	1	25
YS315	<20	<0.1	15	7	59	<1	<5
YS316	<20	<0.1	5	5	27	<1	<5
YS317	<20	<0.1	11	14	81	<1	11
YS318	<20	<0.1	5	4	46	<1	<5
YS319	<20	<0.1	9	4	34	<1	20
YS320	<20	<0.1	10	5	37	1	24

Table 8 Assays on Stream Sediment Geochemistry (7)

No. 4 Area (1)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
OS401	<20	0.1	2	2	25	<1	<5
OS402	<20	0.1	3	5	25	<1	<5
OS403	<20	0.1	4	7	29	<1	<5
OS404	<20	0.1	6	9	37	<1	<5
PS401	<20	0.1	2	3	31	<1	<5
PS402	<20	0.1	2	2	27	<1	<5
PS403	<20	0.1	3	2	27	<1	<5
PS404	<20	0.1	14	5	32	1	<5
SS401	<20	0.1	2	2	25	<1	<5
SS402	<20	0.1	3	1	27	<1	<5
SS403	<20	<0.1	1	1	19	<1	<5
SS404	<20	0.1	5	4	46	<1	<5
SS405	<20	0.1	2	2	21	<1	<5
SS406	<20	<0.1	1	1	20	<1	<5
SS407	<20	0.1	1	2	23	<1	<5
SS408	<20	<0.1	2	2	20	<1	<5
SS407	<20	<0.1	4	4	29	<1	<5
SS410	<20	<0.1	2	3	29	<1	<5
SS411	<20	<0.1	4	3	29	<1	<5
SS412	<20	<0.1	6	2	29	<1	<5
SS413	<20	<0.1	11	8	53	<1	<5
SS414	<20	<0.1	6	6	54	<1	<5
SS415	40	0.1	7	14	61	<1	<5
SS416	<20	<0.1	2	4	45	<1	<5
TS401	<20	0.1	15	5	68	<1	<5
TS402	<20	0.1	4	3	35	<1	<5
TS403	<20	0.1	13	6	42	<1	<5
TS404	<20	0.1	18	4	40	<1	<5
TS405	<20	0.1	3	4	31	<1	<5
TS406	<20	0.1	3	3	31	<1	<5
TS407	<20	0.1	5	3	33	<1	<5
TS408	<20	0.1	7	9	34	<1	<5
TS409	<20	<0.1	2	2	32	<1	<5
TS410	<20	0.1	4	4	34	1	<5
TS411	<20	0.1	6	6	33	<1	<5

Table 8 Assays on Stream Sediment Geochemistry (8)

No. 4 Area (2)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	pb (pp)	Zn (ppm)	Mo (ppm)	As (ppm)
TS412	<20	0.1	6	6	32	<1	<5
TS413	<20	0.1	1	3	25	<1	<5
TS414	<20	<0.1	1	2	25	<1	<5
TS415	<20	0.1	1	2	24	<1	<5
TS416	<20	0.1	2	3	31	<1	<5
TS417	<20	0.1	6	2	50	2	<5
TS418	<20	<0.1	2	1	24	<1	<5
YS401	<20	0.1	6	10	52	<1	<5
YS402	<20	0.1	34	22	115	<1	31
YS403	<20	0.1	9	7	53	1	<5
YS404	<20	<0.1	5	6	47	<1	<5

Table 8 Assays on Stream Sediment Geochemistry (9)

No. 5 Area (1)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
OS501	<20	<0.1	5	4	56	<1	<5
OS502	<20	0.1	47	6	52	1	16
OS503	<20	0.1	25	7	33	<1	<5
OS504	<20	0.1	22	17	66	1	24
OS505	<20	0.2	35	13	100	1	<5
OS506	<20	<0.1	4	7	35	<1	<5
OS507	<20	<0.1	8	3	24	<1	<5
OS508	<20	<0.1	5	2	39	<1	<5
OS509	<20	<0.1	3	4	58	<1	<5
OS510	<20	<0.1	12	7	39	<1	<5
OS511	<20	<0.1	12	7	26	<1	11
OS512	<20	<0.1	8	7	43	<1	<5
OS513	<20	<0.1	7	11	61	<1	11
OS514	<20	<0.1	9	8	49	<1	6
OS515	<20	<0.1	5	4	32	<1	9
OS516	<20	<0.1	11	10	40	<1	<5
OS517	<20	0.1	7	8	62	<1	<5
OS518	<20	0.1	8	14	66	<1	10
OS519	<20	0.1	16	32	149	1	14
OS520	<20	<0.1	6	13	46	<1	5
OS521	<20	0.1	9	15	75	<1	18
OS522	<20	0.1	11	15	65	<1	9
OS523	<20	0.1	24	18	63	2	10
OS524	<20	0.1	12	13	53	<1	9
OS525	<20	0.2	10	47	85	<1	13
OS526	<20	0.1	7	11	55	<1	5
OS527	<20	0.1	11	24	96	<1	19
OS528	<20	<0.1	8	13	46	<1	8
OS529	<20	0.1	7	16	38	<1	12
OS530	<20	0.1	6	46	70	<1	19
OS531	<20	0.1	7	31	63	<1	18
PS508	<20	0.1	5	13	88	<1	<5
PS509	<20	0.1	41	15	83	<1	<5
SS501	<20	<0.1	23	5	65	<1	19
SS502	<20	<0.1	10	5	40	<1	<5

Table 8 Assays on Stream Sediment Geochemistry (10)

No. 5 Area (2)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
SS503	<20	0.1	35	8	44	<1	17
TS501	<20	<0.1	16	3	68	<1	<5
TS502	<20	0.1	24	4	57	<1	11
TS503	<20	<0.1	19	3	55	<1	6
TS504	<20	0.1	18	5	62	<1	<5
TS505	<20	0.1	21	5	84	<1	<5
TS506	<20	0.1	37	9	68	<1	5
TS507	<20	0.1	65	13	105	<1	13
TS508	<20	0.1	19	11	66	<1	7
TS509	<20	0.1	7	2	38	<1	<5
TS510	<20	0.2	7	10	74	<1	5
TS511	<20	3.3	5	8	61	<1	<5
TS512	<20	0.1	8	15	65	<1	5
TS513	<20	0.1	22	7	43	<1	5
TS514	<20	0.2	82	23	125	<1	27
TS515	<20	0.1	47	12	111	<1	15
TS516	<20	0.1	31	19	174	<1	22
TS517	<20	0.2	27	36	218	<1	13
YS501	<20	0.1	22	6	63	<1	5
YS502	<20	0.1	11	18	55	<1	13
YS503	<20	<0.1	22	5	45	<1	<5
YS504	<20	0.3	26	13	68	1	22
YS505	<20	0.1	24	7	37	<1	21
YS506	<20	0.1	39	12	82	<1	9
YS507	<20	0.1	16	10	55	<1	8
YS508	<20	0.1	9	4	39	<1	<5
YS509	<20	0.1	32	11	79	1	10

Table 8 · Assays on Stream Sediment Geochemistry (11)

No. 6 Area

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
PS601	<20	0.1	12	62	135	<1	39
PS602	<20	0.1	8	14	55	<1	15
PS603	<20	0.3	11	61	55	2	140
PS604	<20	0.1	7	18	42	<1	9
PS605	<20	<0.1	10	8	56	<1	7
PS606	<20	0.1	6	15	28	<1	11
PS607	<20	0.2	9	71	107	2	94
YS601	<20	<0.1	44	4	38	<1	11
YS602	<20	<0.1	28	5	72	<1	<5
YS603	<20	<0.1	31	5	31	<1	11
YS604	<20	<0.1	33	4	34	<1	<5
YS605	<20	<0.1	33	5	39	<1	<5
YS606	<20	0.1	27	32	87	<1	7
YS607	<20	<0.1	34	6	33	<1	7
YS608	<20	<0.1	20	4	41	<1	<5

Table 8 Assays on Stream Sediment Geochemistry (12)

No. 7 Area (1)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
FS701	<20	<0.1	6	11	72	<1	5
FS702	<20	0.6	12	16	55	<1	4
FS703	<20	<0.1	4	14	36	<1	24
FS704	<20	<0.1	5	9	37	<1	18
FS705	<20	0.1	4	8	64	<1	12
FS706	<20	0.1	21	7	67	<1	5
FS707	<20	0.1	23	16	117	<1	14
FS708	<20	0.1	13	35	70	<1	<5
FS709	<20	<0.1	7	12	37	<1	<5
FS710	<20	<0.1	7	17	60	<1	7
FS711	<20	0.1	7	20	76	<1	5
FS712	<20	<0.1	3	25	50	<1	11
OS701	<20	<0.1	4	12	83	<1	<5
OS702	<20	2.5	15	9	56	<1	6
OS703	<20	0.1	25	9	73	<1	15
OS704	<20	0.1	35	16	120	<1	16
OS705	<20	0.2	13	11	40	<1	7
OS706	<20	<0.1	24	8	73	<1	13
OS707	<20	<0.1	14	12	67	<1	<5
OS708	<20	0.1	21	8	119	<1	<5
OS709	<20	<0.1	12	11	70	<1	54
OS710	<20	<0.1	13	13	78	<1	7
OS711	<20	<0.1	12	14	65	<1	6
OS712	<20	2.7	17	7	65	<1	<5
OS713	<20	0.6	49	74	205	<1	33
OS714	<20	0.1	10	27	78	<1	19
SS701	<20	<0.1	5	1	17	<1	<5
SS702	<20	<0.1	19	2	38	<1	<5
SS703	<20	<0.1	22	3	38	<1	<5
SS704	<20	<0.1	14	3	30	<1	<5
SS705	<20	<0.1	28	5	35	<1	13
SS706	<20	<0.1	4	2	15	<1	<5
SS707	<20	<0.1	19	6	41	<1	5
SS708	<20	0.1	25	23	127	<1	23
SS709	<20	0.1	34	36	145	<1	30

Table 8 Assays on Stream Sediment Geochemistry (13)

No. 7 Area (2)

Sample No	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
SS710	<20	<0.1	2	19	41	<1	11
SS711	<20	0.1	20	23	106	<1	26
SS712	<20	<0.1	13	11	54	<1	9
SS713	<20	0.2	2	9	35	<1	62
SS714	<20	0.1	13	11	57	<1	10
SS715	<20	0.1	20	9	66	<1	5
SS716	<20	<0.1	4	12	53	<1	<5
SS717	<20	0.1	24	11	111	<1	<5
SS718	<20	<0.1	16	7	65	<1	<5
SS719	<20	0.1	5	36	91	1	17
SS720	<20	0.1	9	41	105	<1	23
SS721	<20	0.2	12	21	96	<1	8
SS722	<20	0.1	9	48	152	<1	14
SS723	<20	0.1	11	15	70	3	11
SS724	<20	0.1	8	15	60	<1	6
TS701	<20	0.2	17	60	231	1	130
TS702	<20	0.1	17	15	88	<1	9
TS703	<20	<0.1	3	9	41	<1	6
TS704	<20	0.1	3	15	47	<1	12
TS705	<20	0.1	29	54	111	<1	14
TS706	<20	<0.1	2	9	37	<1	5
TS707	<20	0.1	12	24	61	<1	10
TS708	<20	<0.1	1	14	54	<1	8
TS709	<20	<0.1	1	11	40	<1	<5
TS710	<20	<0.1	2	8	45	<1	11

Table 9 Assays on Pan Concentrate Geochemistry (1)

No. 1 Area (1)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
FP101	<0.2	2.0	0.08	9.9
FP102	<0.1	1.5	0.04	5.5
FP103	0.1	1.0	0.10	6.4
FP104	1.0	7.0	0.18	14.2
FP105	<0.1	1.0	0.11	5.6
FP106	<0.4	2.0	0.04	18.9
FP107	<0.1	1.5	0.03	3.4
FP108	<0.5	5.0	<0.03	34.0
FP109	<0.4	4.0	0.32	18.5
FP110	<0.4	2.0	0.04	21.3
FP111	1.2	10.0	0.36	16.3
FP112	<0.2	1.0	0.02	14.2
FP113	<0.1	4.5	0.06	6.9
FP114	<0.2	3.0	0.17	8.5
FP115	7.8	6,0	0.06	12.7
FP116	<0.2	3.0	0.21	15.0
FP117	<0.4	2.0	0.04	21.3
FP118	<0.1	5.0	0.05	43.6
SP101	<0.2	3.0	0.03	12.4
SP102	<0.2	1.0	0.01	8.5
SP103	0.4	2.0	0.02	21.0
SP104	<0.4	4.0	0.06	19.9
SP105	<0.2	2.0	0.01	8.6
SP106	<0.5	5.0	0.05	35.8
SP107	<0.1	0.5	0.01	5.9
SP108	<0.1	1.0	0.01	5.4
SP109	<0.2	1.0	0.04	8.7
SP110	<0.2	4.0	0.01	12.7
SP111	<0.1	1.5	0.02	6.5
SP112	<0.2	2.0	<0.01	9.0
SP113	<0.1	1.5	0.02	5.9
SP114	<0.4	4.0	0.06	20.8
SP115	<0.2	2.0	0.03	7.9
SP116	1.1	2.0	0.09	5.1
SP117	<0.1	2.5	0.01	5.1

No. 1 Area (2)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
SP118	<0.1	1.5	0.11	6.4
YP102	<0.2	1.0	0.02	9.8
YP103	<0.2	1.0	0.02	9.8
YP104	<0.2	2.0	0.06	16.5
YP105	<0.1	0.5	0.02	4.2
YP106	<0.4	2.0	0.02	18.3
YP107	<0.1	1.0	0.01	7.3
YP108	<0.2	2.0	0.01	9.7
YP109	<0.2	1.0	0.01	9.4
YP110	<0.2	1.0	<0.01	10.9
YP111	<0.2	<1.0	0.01	9.2
YP112	0.2	1.0	0.02	10.0
YP113	<0.1	1.0	0.02	4.2
YP114	<0.1	0.5	0.02	7.1
YP115	<0.2	<1.0	0.01	8.4
YP116	<0.5	2.5	0.08	32.5
YP117	<0.1	0.5	0.02	4.7
YP118	<0.2	<1.0	0.02	10.6

Table 9 Assays on Pan Concentrate Geochemistry (2)

No. 2 Area

Sample No	Au (ppb)	Ag (ppm)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Cr (ppm)
OP201	8000	<0.4	<1	<60	<150	4200
OP202	6200	<0.4	<1	<24	<60	1300
OP203	>10000	<0.4	10	<60	<150	500
OP204	300	<0.4	<1	<12	<30	6000
OP205	>10000	<0.4	<1	<2	<5	1080
OP206	>10000	2.0	<1	<2	<5	880
OP207	90	<0.4	<1	<6	<15	240
PP201	50	<0.4	6	<4	< 10	168
PP202	<2	<0.4	<1	<2	<5	168
PP203	1200	<0.4	<1	<2	<5	112
PP204	<4	<0.4	<1	<4	<10	96
PP205	320	<0.4	<1	<4	<10	160
PP206	34	<0.4	<1	<2	<5	340
PP207	<4	<0.4	<1	<4	<10	240
PP208	<2	<0.4	<1	<2	<5	480
TP201	<4	<0.4	<1	<4	<10	860
TP202	3600	<0.4	<1	6	<10	9800
TP203	<4	<0.4	<1	<4	<10	2600
TP204	<4	1.6	<1	6	<10	4200
TP205	<4	<0.4	4	<4	<10	82
TP206	10	<0.4	2	<4	<10	100
TP207	550	<0.4	2	<4	<10	148
TP208	<12	<0.4	10	<12	<30	148
TP209	6	<0.4	10	<6	<15	48
TP210	<6	<0.4	<1	<6	<15	60
TP211	<12	<0.4	4	<12	<30	100
TP212	320	<0.4	<1	<4	<10	220
TP213	80	<0.4	<1	<4	<10	280
TP214	<2	<0.4	<1	<2	<5	100

Table 9 Assays on Pan Concentrate Geochemistry (3)

No. 3 Area (1)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
FP301	<0.1	2.5	0.05	7.2
FP302	23.0	10.0	0.35	32.5
FP303	<0.2	3.0	0.10	11.3
FP304	<0.2	3.0	0.04	14.3
FP305	<0.2	2.0	<0.01	11.8
FP306	4.0	5.0	<0.05	51.2
FP307	<0.5	2.5	0.03	20.3
FP308	<0.5	2.5	0.05	21.6
FP309	<0.5	2.5	0.15	25.9
FP310	<0.2	2.0	0.08	16.6
FP311	<0.2	6.0	0.92	14.0
FP312	<0.2	6.0	1.68	7.5
FP313	3.0	5.0	0.18	27.5
FP314	<0.2	2.0	<0.01	9.0
FP315	1.1	3.0	0.03	5.2
FP316	0.5	10.0	0.05	22.8
FP317	<0.5	5.0	0.03	27.3
FP318	<0.1	0.5	0.03	5.1
OP301	<0.2	3.0	0.06	12.3
OP302	<0.2	21.0	0.02	7.5
OP303	<0.4	4.0	1.00	19.7
OP304	<0.2	2.0	0.05	6.8
OP305	0.1	0.5	0.50	4.6
OP306	3.1	2.0	0.11	3.8
OP307	<0.1	1.5	0.07	5.1
OP308	18.0	15.0	0.30	5.5
OP309	<0.2	2.0	0.02	8.8
OP310	19.0	15.0	0.15	36.5
OP311	3.0	5.0	0.13	32.4
OP312	4.0	7.5	0.33	21.8
OP313	<0.2	2.0	0.60	8.5
OP314	54.0	25.0	0.02	3.0
OP315	<0.1	1.0	0.03	2.3
OP316	1.5	1.5	0.05	3.6
PP301	<0.1	1.0	0.14	4.0

No. 3 Area (2)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
PP302	<0.1	1.5	0.12	4.1
PP303	<0.5	10.0	0.15	33.5
PP304	<0.1	2.0	0.01	8.2
PP305	<0.2	4.0	0.02	15.8
PP306	<0.2	2.0	0.02	8.9
PP307	0.2	3.0	<0.01	15.0
PP308	<0.2	1.0	0.05	11.0
PP309	48.0	30.0	<0.05	52.9
PP310	4.0	5.0	0.03	24.9
PP311	0.8	5.0	0.30	15.9
PP312	14.0	10.0	0.15	38.2
PP313	0.9	8.5	1.40	3.4
PP314	<0.2	3.0	0.03	9.7
PP315	0.3	9.0	0.04	7.3
PP316	14.0	6.0	0.25	15.8
SP301	<0.1	2.5	0.36	4.9
SP303	<0.1	2.0	0.26	3.9
SP304	<0.1	1.0	0.07	4.1
SP305	<0.2	2.0	0.19	10.6
SP306	<0.2	3.0	0.24	19.7
SP307	<0.1	1.0	0.08	3.7
SP308	<0.2	3.0	0.20	9.1
SP309	<0.1	1.5	0.11	3.6
SP310	<0.1	1.0	0.04	4.9
SP311	2.1	2.5	0.11	4.5
SP312	28.0	40.0	0.25	40.5
SP313	2.5	2.5	0.03	32.6
SP314	<0.1	2.0	0.07	4.0
SP315	<0.1	1.5	0.31	4.7
SP316	<0.2	9.0	0.12	14.9
SP317	8.9	1.0	0.03	5.3
SP318	2.7	8.5	0.36	4.7
TP301	<0.1	3.0	0.14	4.9
TP302	<0.1	1.5	0.30	13.4
TP303	<0.2	2.0	0.01	15.3

Table 9 Assays on Pan Concentrate Geochemistry (4)

No. 3 Area (3)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
TP304	3.2	4.0	0.06	17.8
TP305	<0.4	6.0	0.44	10.7
TP306	<0.2	7.0	0.16	6.0
TP307	1.2	4.0	0.08	5.5
TP308	2.3	2.5	0.05	3.9
TP309	0.2	6.0	0.25	7.3
TP310	<0.4	4.0	<0.02	21.3
TP311	27.0	15.0	0.10	45.0
TP312	<0.1	0.5	0.05	3.3
TP313	<0.2	2.0	0.13	9.5
TP314	<0.2	1.0	0.05	7.0
TP315	<0.1	1.5	0.08	6.1
TP316	<0.2	2.0	0.05	13.0
TP317	<0.1	1.0	0.04	3.9
TP318	34.0	26.0	0.52	17.7
YP301	<0.1	1.0	0.15	3.9
YP302	<0.1	1.0	0.06	4.7
YP303	0.5	1.0	0.10	7.4
YP304	1.1	1.5	0.05	4.8
YP305	<0.2	2.0	0.12	13.9
YP306	<0.5	2.5	0.28	32.5
YP307	<0.5	<2.5	0.25	24.7
YP308	<0.4	2.0	0.16	15.5
YP309	<0.2	1.0	0.05	8.3
YP310	7.7	3.0	0.06	4.1
YP311	<0.2	2.0	0.07	7.5
YP312	<0.1	1.0	0.03	2.7
YP313	8.6	5.0	0.07	9.7
YP314	<0.1	1.0	0.18	3.8
YP315	<0.1	0.5	0.04	4.2
YP316	<0.2	3.0	0.07	13.7
YP317	<0.2	1.0	0.11	7.3
YP318	<0.2	3.0	0.11	11.7
YP319	<0.1	<1.5	0.02	3.4
YP320	<0.2	2.0	0.06	16.1

No. 4 Area (1)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
OP401	<0.2	<1.0	0.04	14.2
OP402	<0.4	2.0	0.06	19.1
OP403	<0.4	<2.0	0.06	20.4
OP404	<0.1	<0.5	0.02	3.3
PP401	<0.1	1.0	0.06	6.6
PP402	<0.2	1.0	0.04	8.1
PP403	<0.2	1.0	0.07	15.1
PP404	0.4	10.0	0.28	28.9
SP401	<0.2	2.0	0.05	14.6
SP402	<0.2	2.0	<0.01	13.1
SP403	<0.2	1.0	0.04	11.0
SP404	<0.4	4.0	0.12	30.6
SP405	<0.1	0.5	0.06	5.2
SP406	<0.2	<1.0	0.02	7.6
SP407	<0.2	<1.0	0.01	12.8
SP408	<0.2	<1.0	0.03	11.6
SP409	<0.2	<1.0	0.03	15.4
SP410	0.1	3.0	13.60	5.0
SP411	<0.1	<0.5	0.06	6.9
SP412	2.2	1.0	0.05	12.4
SP413	<0.2	2.0	0.10	11.0
SP414	<0.2	3.0	0.07	7.5
SP415	197.0	135.0	3.55	63.9
SP416	0.4	2.0	0.72	11.2
TP401	<0.2	<1.0	0.03	8.6
TP402	<0.4	<2.0	0.08	16.7
TP403	<0.2	4.0	0.22	14.3
TP404	<0.2	1.0	0.07	8.6
TP405	<0.4	2.0	0.10	26.5
TP406	<0.1	<0.5	0.01	4.4
TP407	<0.1	0.5	0.03	5.1
TP408	<0.2	1.0	0.05	7.5
TP409	<0.1	0.5	0.04	6.6
TP410	<0.1	1.0	0.08	6.0
TP411	<0.1	<0.5	0.03	3.5

Table 9 Assays on Pan Concentrate Geochemistry (5)

No. 4 Area (2)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
TP412	<0.1	1.0	0.07	6.4
TP413	91.0	21.0	0.14	9.6
TP414	<0.1	<0.5	0.01	4.3
TP415	0.4	13.0	0.04	6.9
TP416	<0.2	2.0	0.22	8.5
TP417	<0.1	1.5	0.03	5.1
TP418	1.0	1.0	<0.01	7.8
YP401	<0.1	0.5	0.02	2.0
YP402	<0.1	1.0	0.12	6.4
YP403	<0.1	0.5	0.03	5.6
YP404	33.0	7.5	0.11	6.7

No. 5 Area (1)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
OP501	<0.4	4.0	0.06	16.0
OP502	<0.1	1.5	0.05	4.9
OP503	<0.2	60.0	1.60	13.1
OP504	<0.2	8.0	1.40	11.8
OP505	<0.2	24.0	2.10	11.7
OP506	<0.1	2.0	0.18	4.6
OP507	0.4	4.0	0.08	20.6
OP508	<0.5	5.0	0.70	35.9
OP509	<0.2	2.0	0.12	13.7
OP510	<0.5	5.0	0.13	24.9
OP511	1.4	5.0	0.69	7.9
OP512	<0.1	0.5	0.16	2.5
OP513	<0.1	0.5	0.06	2.4
OP514	<0.1	0.5	0.04	1.6
OP515	1.2	<2.0	0.10	18.9
OP516	<0.2	4.0	0.46	10.0
OP517	<0.1	1.5	0.16	3.6
OP518	<0.1	3.0	0.65	3.1
OP519	0.2	11.0	1.00	4.3
OP520	<0.1	3.0	0.85	5.4
OP521	<0.2	3.0	0.63	9.7
OP522	0.4	6.0	0.59	8.0
OP523	<0.1	4.5	0.60	3.4
OP524	<0.1	1.0	0.26	2.2
OP525	<0.1	5.0	0.90	3.4
OP526	<0.1	1.0	0.15	4.0
OP527	2.6	8.0	4.80	13.8
OP528	<0.1	1.0	0.31	3.2
OP529	<0.1	1.5	0.39	4.2
OP530	0.6	27.0	6.00	14.6
OP531	0.3	4.5	1.75	3.7
PP508	25.0	14.0	0.20	12.0
PP509	<0.2	3.0	0.16	9.7
SP501	<0.2	2.0	0.08	14.7
SP502	<0.2	2.0	0.13	12.8

Table 9 Assays on Pan Concentrate Geochemistry (6)

No. 5 Area (2)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
SP503	206.0	39.0	0.91	13.3
TP501	<0.1	1.5	0.02	5.1
TP502	<0.1	0.5	0.06	3.7
TP503	<0.1	0.5	0.04	6.0
TP504	<0.1	1.0	0.05	4.4
TP505	<0.1	1.5	0.06	4.9
TP506	0.8	7.0	0.32	11.3
TP507	<0.1	2.5	0.16	2.1
TP508	<0.2	5.0	0.99	11.0
TP509	<0.1	0.5	0.02	4.9
TP510	<0.1	2.0	0.09	2.5
TP511	<0.2	30.0	29.80	7.2
TP512	<0.1	5.0	5.70	4.3
TP513	6.0	7.0	0.15	5.5
TP516	<0.1	2.5	0.28	4.4
TP517	<0.1	2.5	0.25	4.6
YP501	<0.4	2.0	<0.02	16.4
YP502	<0.2	<1.0	0.05	11.7
YP503	<0.5	2.5	0.13	28.5
YP504	<0.2	9.0	0.65	11.8
YP505	<0.4	6.0	1.44	17.5
YP506	<0.4	6.0	0.76	21.3
YP507	21.0	10.0	0.80	31.4
YP508	0.4	4.0	0.22	18.4
YP509	1.0	2.5	0.23	35.4

No. 6 Area (1)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
PP601	5.5	5.0	<0.03	16.9
PP602	<0.4	2.0	0.14	10.2
PP603	5.5	2.5	0.08	23.8
PP604	<0.2	1.0	0.01	8.1
PP605	<0.2	13.0	0.05	6.4
PP606	<0.4	2.0	0.02	21.0
PP607	5.6	2.0	0.06	10.9
YP601	14.0	7.5	0.23	26.1
YP602	<0.1	0.5	0.02	4.8
YP603	<0.1	0.5	0.10	5.2
YP604	2.8	8.0	0.22	12.1
YP605	<0.1	<0.5	0.03	4.1
YP606	<0.4	<2.0	0.06	16.1
YP607	56.0	33.0	0.27	20.5
YP608	<0.5	<2.5	0.25	24.3

Table 9 Assays on Pan Concentrate Geochemistry (7)

No. 7 Area (1)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
FP701	<0.4	<2.0	0.16	17.1
FP702	<0.1	<5.0	0.70	47.5
FP703	1.0	10.0	2.48	12.0
FP704	<0.5	15.0	3.40	19.4
FP705	<0.4	4.0	2.08	14.4
FP706	<1.0	5.0	1.60	59.3
FP707	<0.5	13.0	0.78	23.8
FP708	<1.0	10.0	0.80	45.9
FP709	<0.5	7.5	1.20	27.3
FP710	<0.2	3.0	0.61	6.6
FP711	0.6	2.0	0.24	7.4
FP712	<0.2	4.0	0.61	6.3
OP701	<0.5	7.5	0.65	27.5
OP702	<2.0	10.0	1.50	96.7
OP703	<2.0	<10.0	1.20	77.9
OP704	<0.5	2.5	0.73	29.4
OP705	<0.1	15.0	1.90	42.2
OP706	<1.0	255.0	48.60	31.4
OP707	<0.5	7.5	1.73	16.3
OP708	0.4	42.0	4.48	4.8
OP709	0.8	14.0	0.86	6.8
OP710	3.9	7.5	0.75	2.2
OP711	0.8	52.0	5.14	17.0
OP712	<0.2	5.0	0.28	8.9
OP713	0.1	4.5	0.65	3.4
OP714	1.4	15.0	3.74	5.9
SP701	<0.2	4.0	0.40	8.9
SP702	<0.4	<2.0	0.72	18.0
SP703	<0.5	<2.5	0.98	22.5
SP704	<0.2	9.0	1.57	9.8
SP705	<0.1	<0.5	0.14	5.6
SP706	14.0	40.0	2.47	28.0
SP707	<0.2	10.0	0.90	12.0
SP708	<0.5	2.0	0.34	37.0
SP709	<0.2	1.0	0.25	8.6

No. 7 Area (2)

Sample No	Au (μg)	Ag (μg)	Pb (mg)	Weight (g)
SP710	<0.2	2.0	0.16	9.6
SP711	<0.2	1.0	0.11	11.3
SP712	0.8	3.5	0.29	4.0
SP713	0.3	3.0	0.14	3.3
SP714	0.6	3.5	0.45	5.9
SP715	1.4	9.0	0.88	13.2
SP716	<0.1	1.0	0.20	4.0
SP717	<0.2	40.0	0.47	15.0
SP718	<0.2	2.0	0.32	12.4
SP719	0.3	6.0	0.43	2.5
SP720	0.3	5.0	1.00	3.5
SP721	1.2	24.0	8.20	8.6
SP722	<2.0	6.0	3.10	8.6
SP723	<0.1	4.0	0.43	4.5
SP724	2.0	4.0	1.30	9.8
TP701	<0.4	12.0	1.52	17.0
TP702	<0.5	7.5	0.28	34.0
TP703	<0.2	<1.0	0.23	12.0
TP704	<0.2	6.0	0.98	12.8
TP705	<0.1	14.0	15.30	5.5
TP706	<0.5	<2.5	0.35	20.4
TP707	<0.2	9.0	5.32	12.5
TP708	<0.2	1.0	0.29	11.6
TP709	<1.0	<5.0	0.45	30.4
TP710	<1.0	<0.5	0.05	3.3