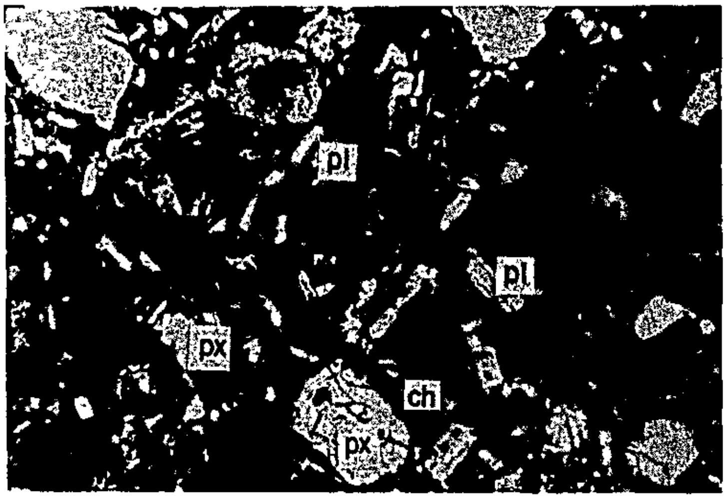
Fig. 7-A Photomicrographs of Thin Sections

Abbreviation

q	Quartz	ep	Epidote
pl	Plagioclase	ca	Calcite
or	Orthoclase	ap	Apatite
my	Myrmekite	and	Andalusite
mc	Microcline	cor	Cordierite
px	Pyroxene	py	Pyrite
hb	Hornblende	gl	Glassy material
bi	Biotite	fs	Fossil
mv	Muscovite		
se	Sericite		
ch	Chlorite		



No. 1033

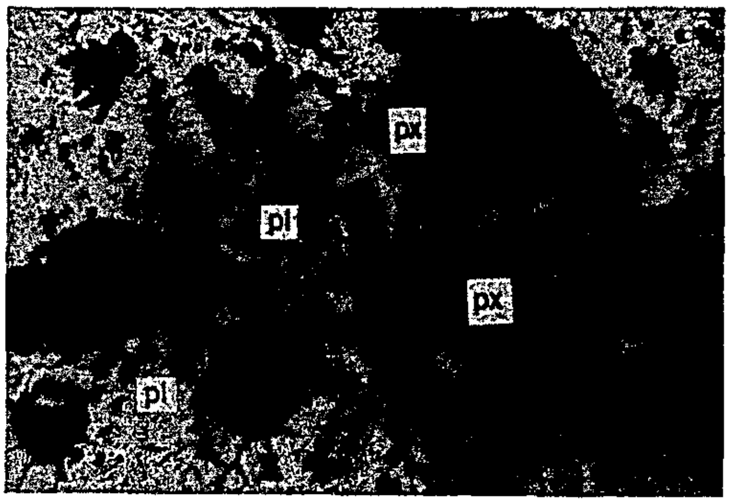
Rio Cristal

Crossed Nicols

0 0.5mm

Pyroxene andesite

Idiomorphic clinopyroxene phenocrysts are embedded in a groundmass of plagioclase and vitreous material.



No. TH-4

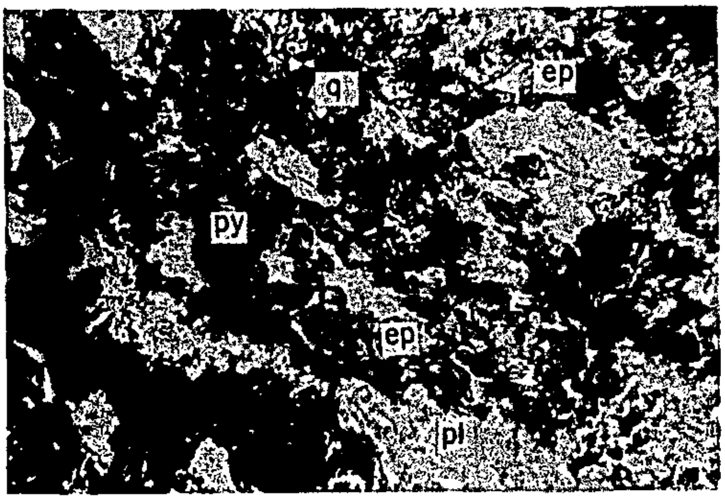
Rio Blanco (Telembi)

Open Nicol

0 0.5mm

Pyroxene andesite

Pale brown clinopyroxene phenocrysts are rimmed with alteration minerals of chlorite and sericite.



No. AUX-1

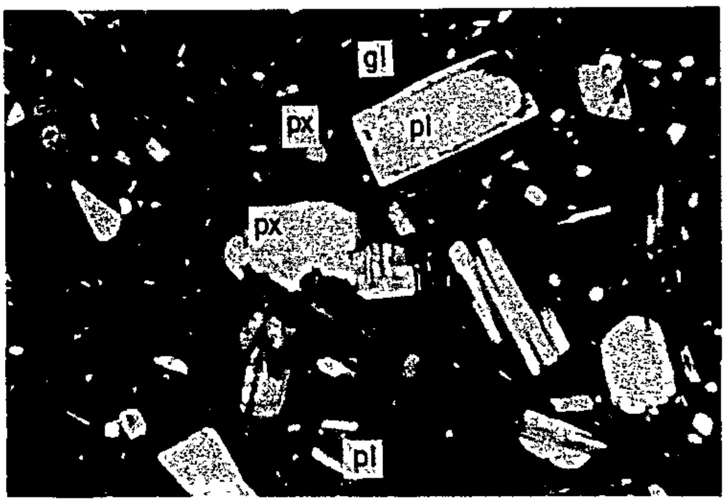
Diamante

Open Nicol

0 0.5mm

Altered quartz diorite

Being subjected to intense alteration, the hypabyssal texture remains obscure. Much amount of epidote has formed.



No. 1557

Rio Vargas

Crossed Nicols

0 0.5mm

Basaltic andesite

Idiomorphic clinopyroxene in stumpy form occurs in a vitric groundmass as well as in phenocrysts.

No. 283

Rio Cristal

(Gualcala)

Crossed Nicols

0 0.5mm

Basaltic andesite

Plagioclase phenocrysts with zonal structure have been altered.

No. TH-16

Rio Blanco

(Gualcala)

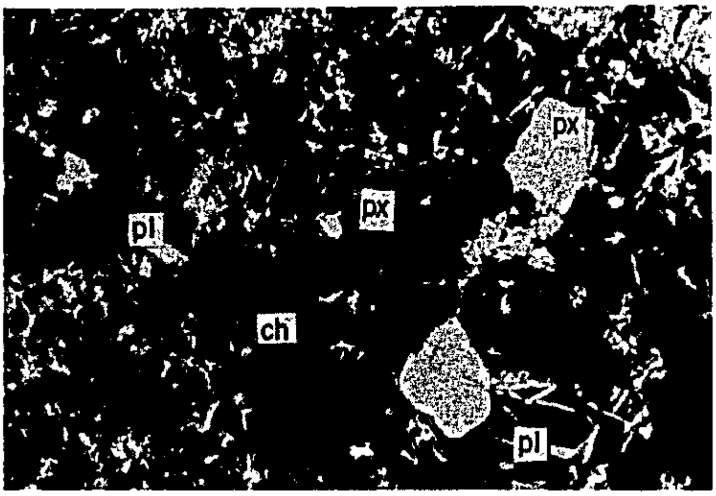
Crossed Nicols

0 0.5mm

Altered andesite

Mafic minerals has disappeared due to an alteration.

Plagioclase is albitized to form calcite.



No. 737

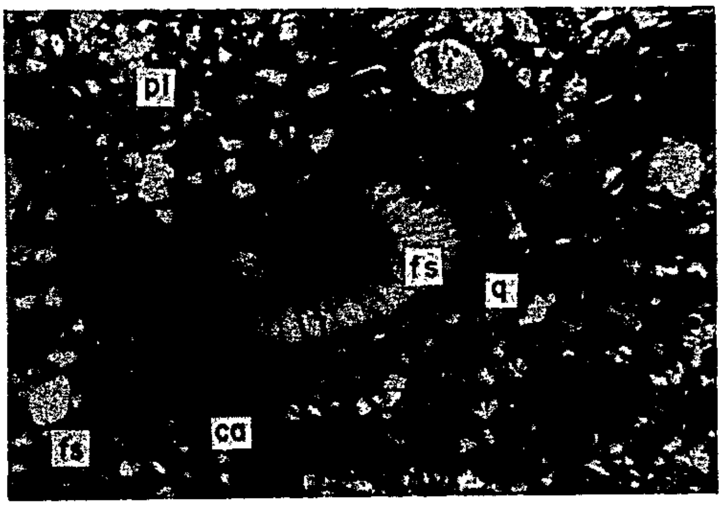
Q. Tablon

Crossed Nicols

0 0.5mm

Pyroxene andesite

Accicular plagioclase laths and clinopyroxene, in part show poikilitic texture.



No. 323

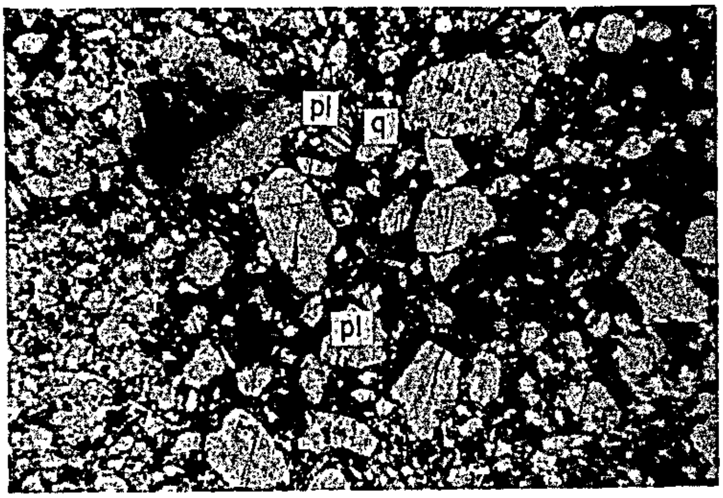
Rio Telembi

Open Nicol

0 0.5mm

Fossiliferous sandstone

A fossil is recognized in the center.



No. 1736

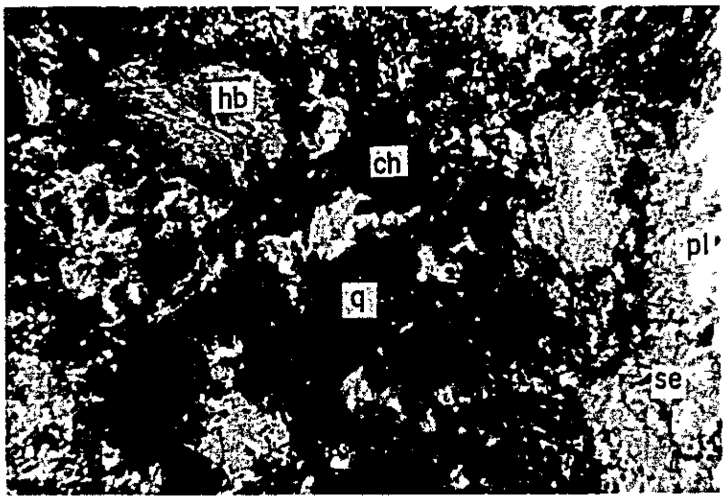
Q. Ramos

Open Nicol

0 0.5mm

Sandstone

Well-sorted sandstone composed of predominantly volcanic grains.



No. 1385

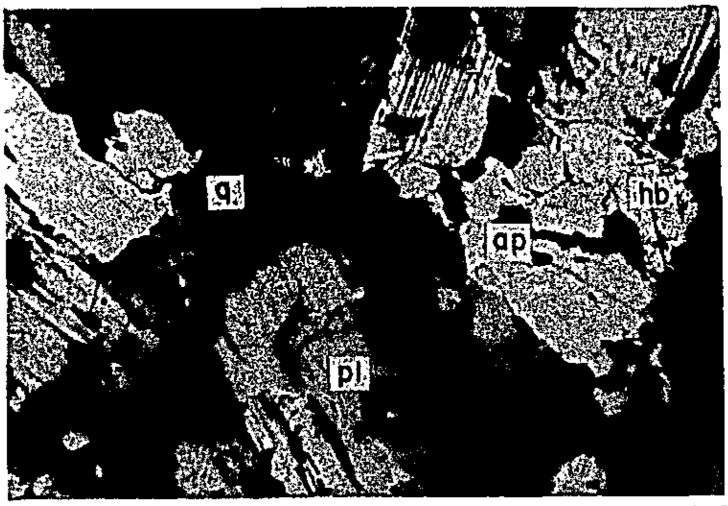
Rio Pale

Crossed Nicols

0 0.5mm

Hornblende porphyrite

Phenocrysts consist of green hornblende and sericitized plagioclase.



No. O-15

Rio Canellera

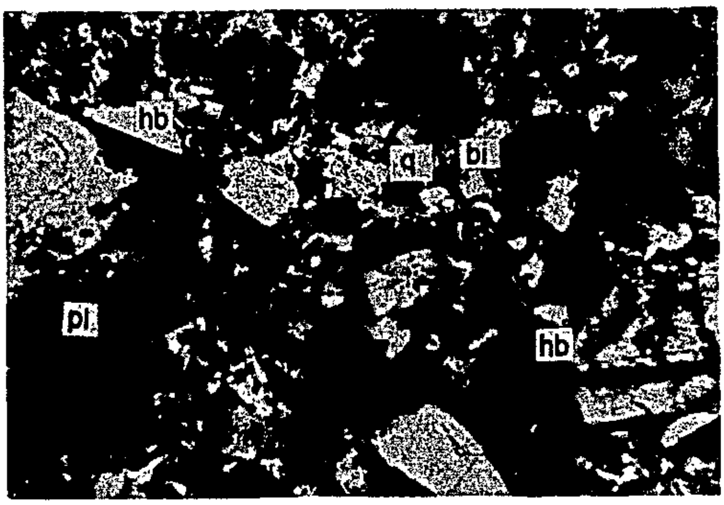
Crossed Nicols

0 0.5mm

Quartz diorite

Hornblende contains idiomorphic apatite.

Orthoclase is absent or very rare.



No. O-17

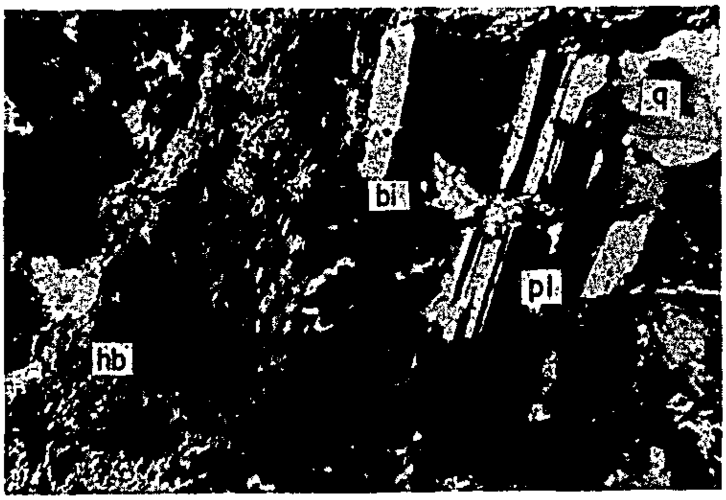
Rio Canellera

Crossed Nicols

0 0.5mm

Porphyritic hornblende-biotite granodiorite.

Fine hornblende is abundant.



No. O-24

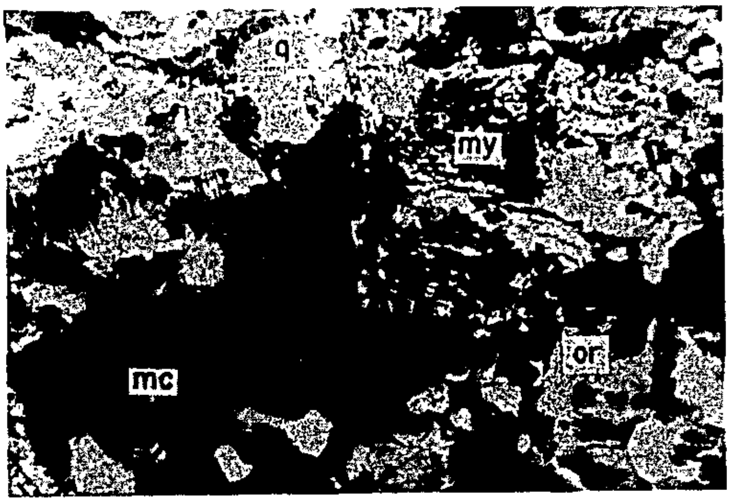
Q. Tigre

Crossed Nicols

0 0.5mm

Hornblende-biotite granodiorite.

Actinolitic amphibole has partly recrystallized.



No. O-25

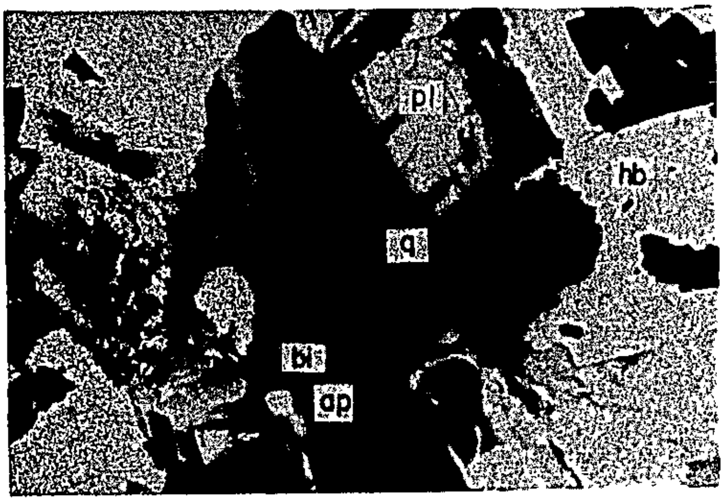
El Tabano

Crossed Nicols

0 0.5mm

Graphic granite

Microcline with lattice twinning, myrmekite and orthoclase with perthite texture are distinct.



No. O-60

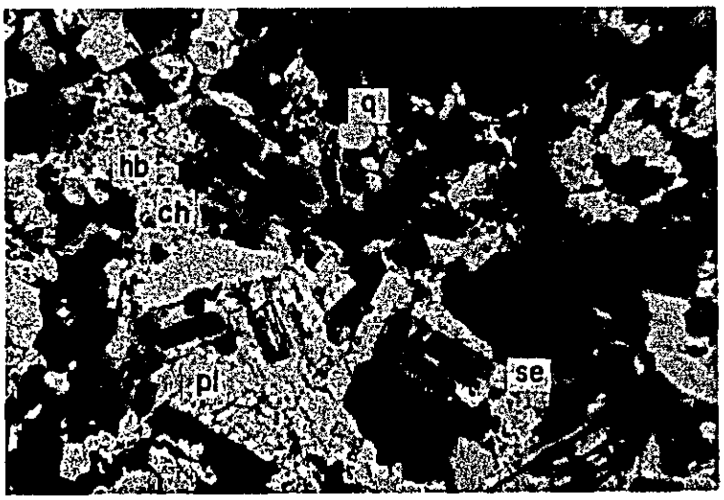
Piedrancha

Crossed Nicols

0 0.5mm

Hornblende-biotite granodiorite

Common microscopic texture of granitoid. Biotite flake contains idiomorphic apatite. A small amount of sericite has formed along the cracks of plagioclase.



No. 205

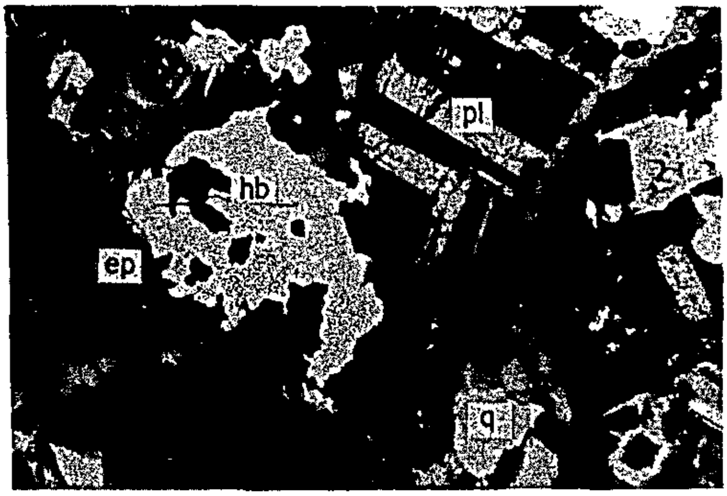
Rio Santa Rosa

Crossed Nicols

0 0.5mm

Quartz diorite

The rock is affected by weak alteration to form chlorite and sericite at the expense of hornblende.



No. O-30

Ramos

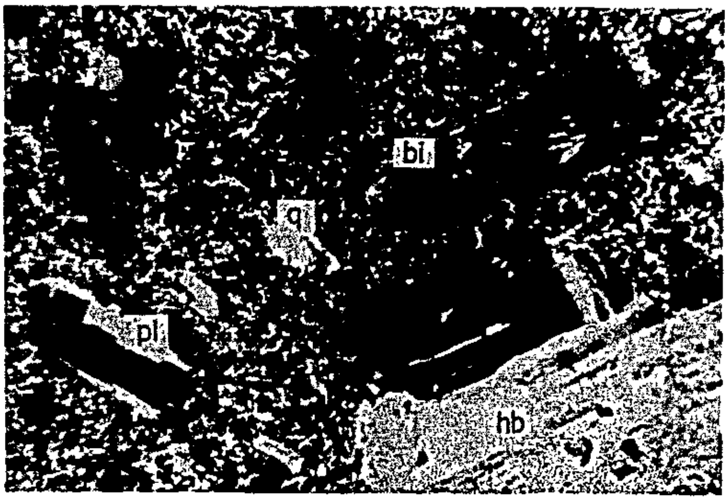
Crossed Nicols

0 0.5mm

Hornblende-biotite granodiorite

Fine biotite occurs at the border of hornblende.

Some plagioclase show zonal texture.



No. O-42

Ramos

Crossed Nicols

0 0.5mm

Granite porphyry

Phenocrysts consist of biotite, hornblende and plagioclase.

Quartz, plagioclase and magnetite constitute a groundmass.

No. 0-45

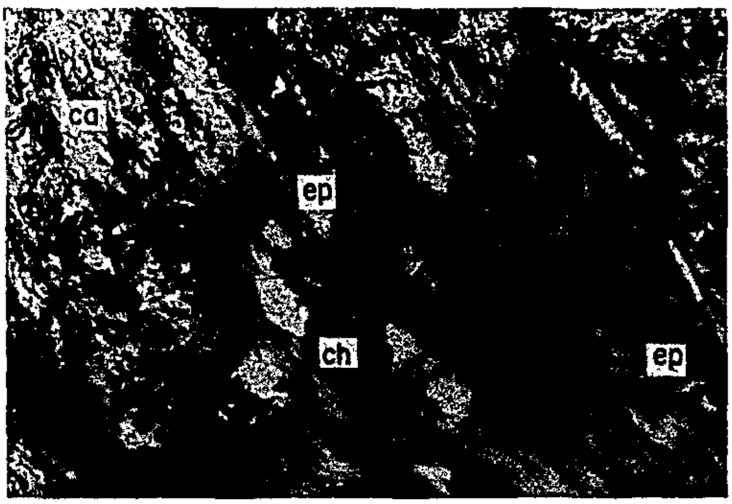
Ramos

Crossed Nicols

0 0.5mm

Quartz diorite

Isogranular matrix of plagioclase prismatic laths and quartz.



No. 637

Rio Vargas

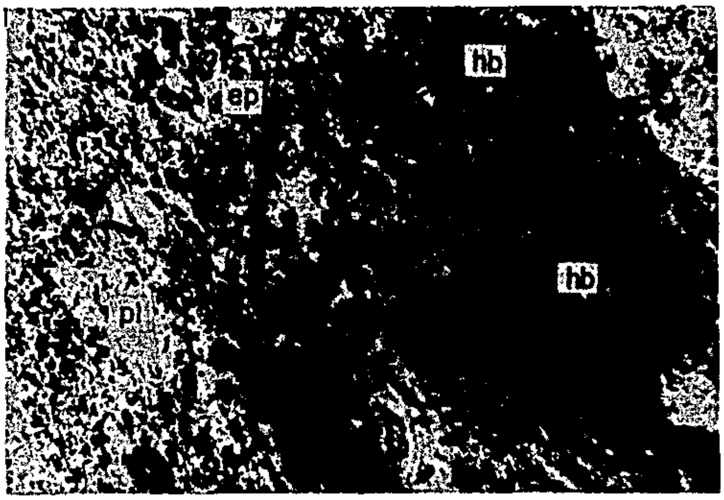
Open Nicol

0 0.2mm

Chlorite-calcite-epidote schistosed hornfels

Chlorite and calcite in elongated form show schistose texture.

Epidote occurs in stumpy form. (center)



No. G-7

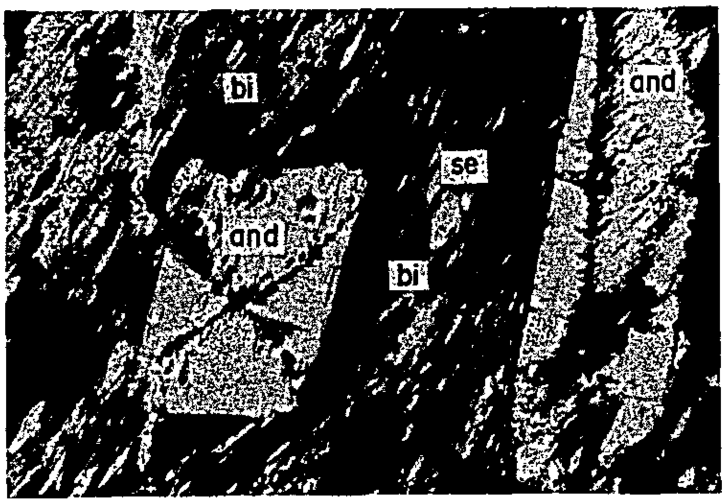
Q. San Luis

Open Nicol

0 0.5mm

Hornblende-epidote hornfels

Recrystallized hornblende has occurred presumably replacing primary pyroxene. Epidote and plagioclase consist a granoblast.



No. 1085

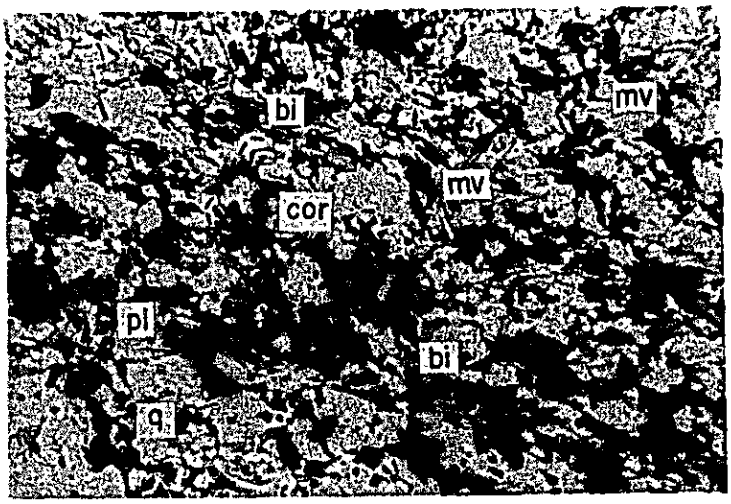
Rio Cristal

Open Nicol

0 0.5mm

Andalusite-biotite-sericite hornfels

Porphyroblasts of andalusite showing typical chiastolitic cross in basal face, are embedded in a granoblast consisting of biotite, sericite and quartz.



No. G-8

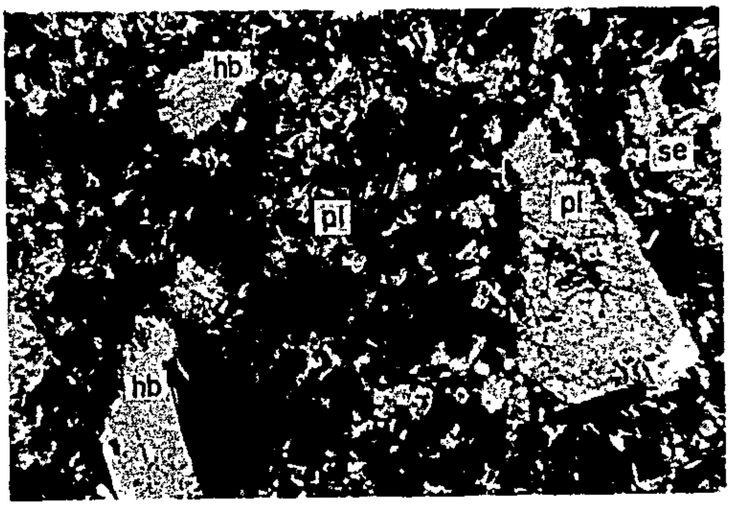
Q. Fraile

Open Nicol

0 0.5mm

Cordierite-biotite-muscovite hornfels

Cordierite outlined by dotted line, contains the inclusions of fine biotite and sericite laths.



No. 687

Q. Ramos

Crossed Nicols

0 0.5mm

Hornblende andesite

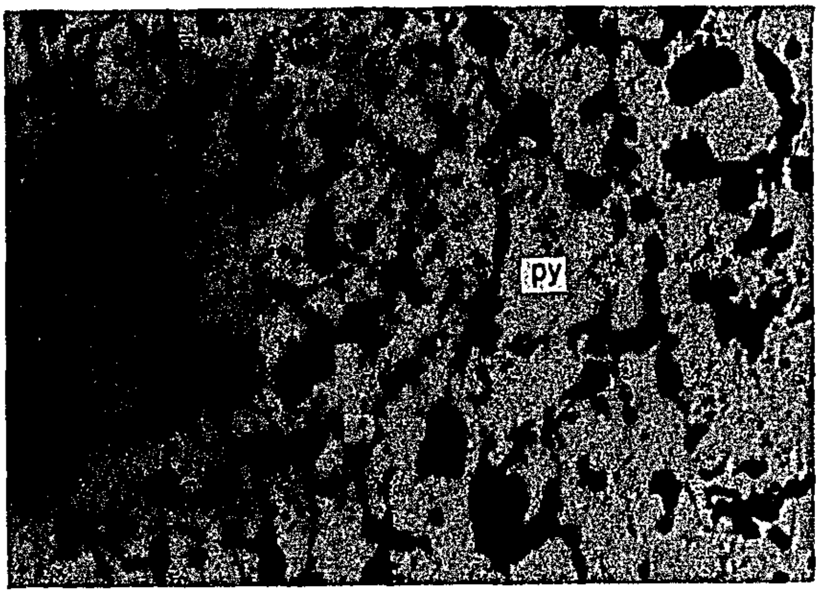
The texture is hypabyssal.

Hornblende fringed by fine grains of ore mineral and altered plagioclase are phenocrysts.

Fig. 7-B Photomicrographs of Polished Sections

Abbreviation

py	Pyrite
cp	Chalcopyrite
sp	Sphalerite
gn	Galena
as	Arsenopyrite
te	Tetrahedrite
bl	Boulangerite
po	Pyrrhotite
cc	Chalcocite
mt	Magnetite



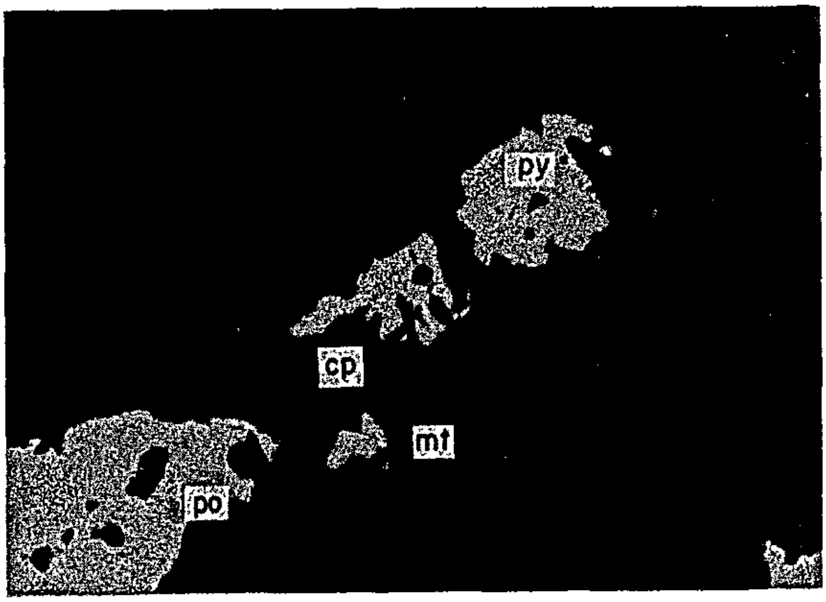
No. 1062

Rio Cristal

Polished section

0 0.2mm

Isogranular pyrite grains.



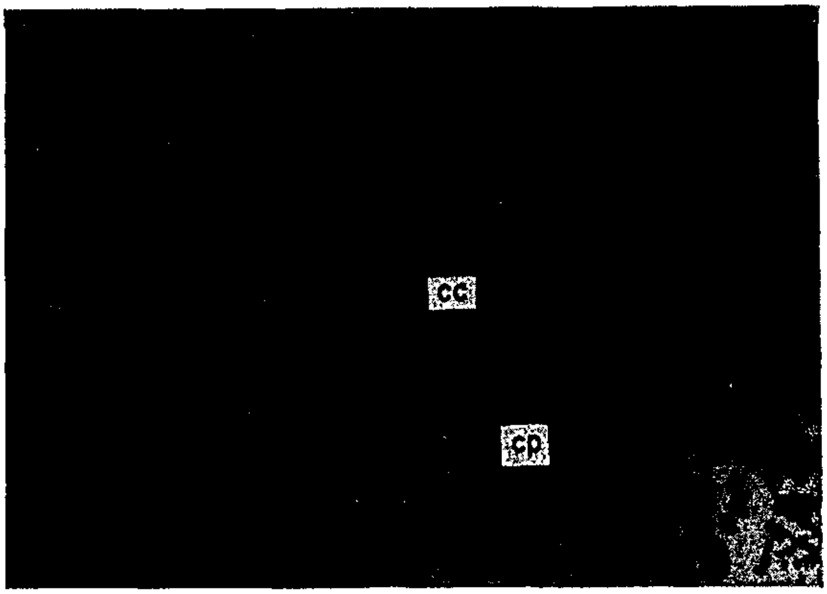
No. 862

Rio Blanco
(Telembi)

Polished section

0 0.2mm

Pyrite-disseminated quartz diorite
A small dot of pyrrhotite is contained in pyrite.



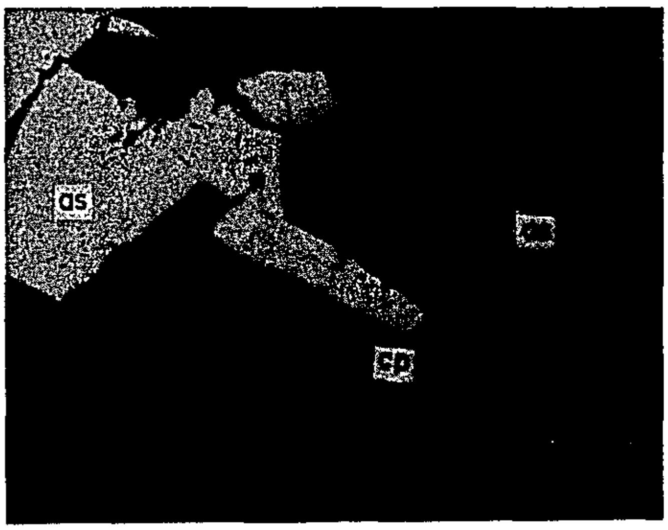
No. 0-18

Rio Canellera

Polished section

0 0.2mm

The ore consists of chalcopyrite and chalcocite network converted from chalcopyrite along the cracks.



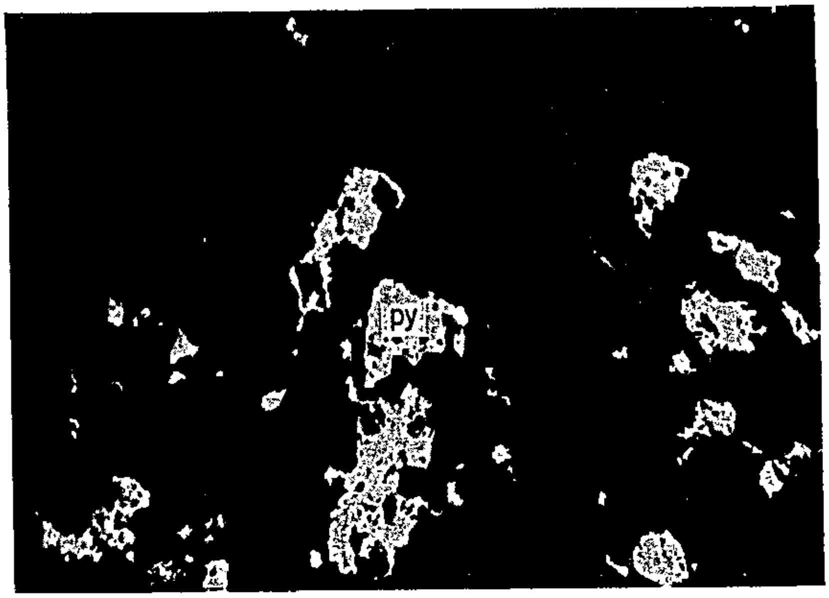
No. D-01

Hormiga
(Diamante
Mining Area)

Polished section

0 0.2mm

Euhedral Arsenopyrite penetrates into altered chalcopyrite.



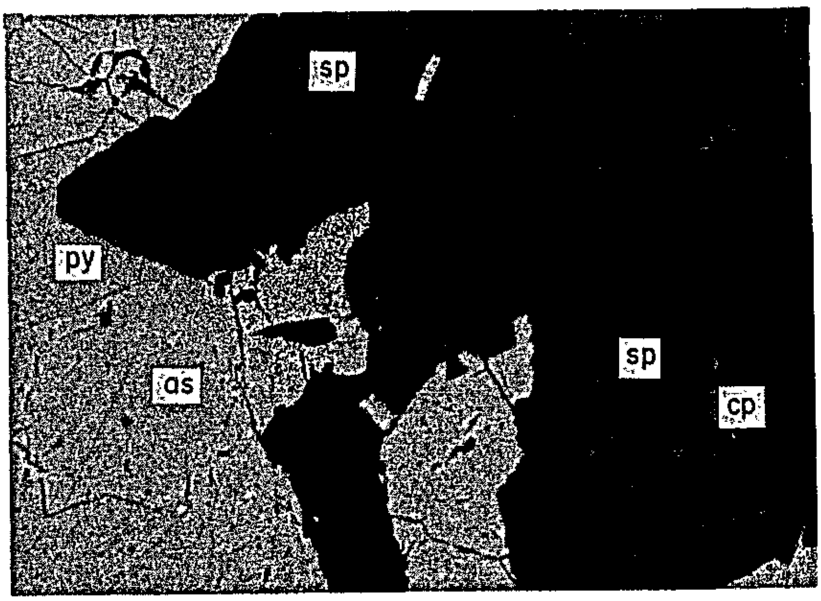
No. AUX-1

Auxiliadora
(Diamante
Mining Area)

Polished section

0 0.2mm

Quartz dioritic rock with pyrite mineralization
Pyrite seems to replace phenocrysts.



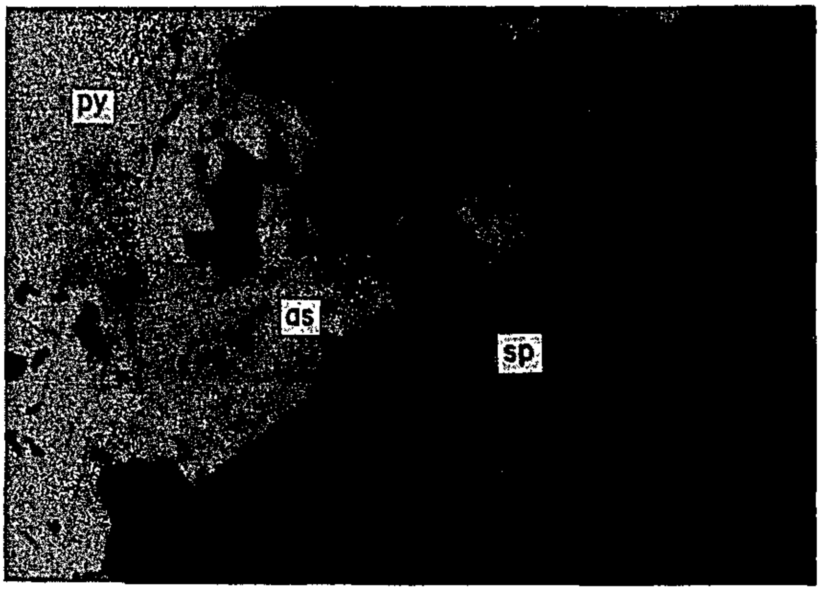
No. DIA-3

Diamante

Polished section

0 0.2mm

Constituent ore minerals are pyrite, arsenopyrite and sphalerite with numerous star dots of chalcopyrite scattered in it.



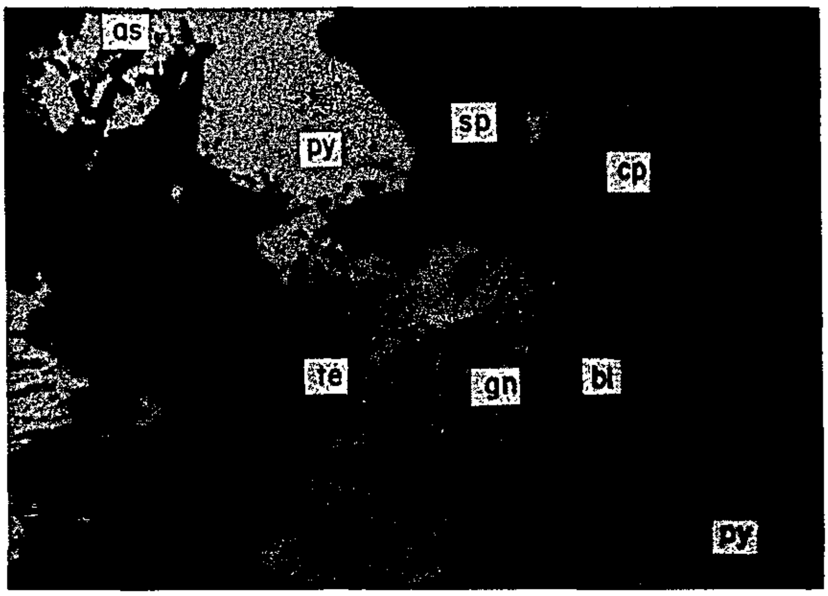
No. O-54

Piled ore of Diamante

Polished section

0 0.2mm

Chalcopyrite stars line straight up in sphalerite.



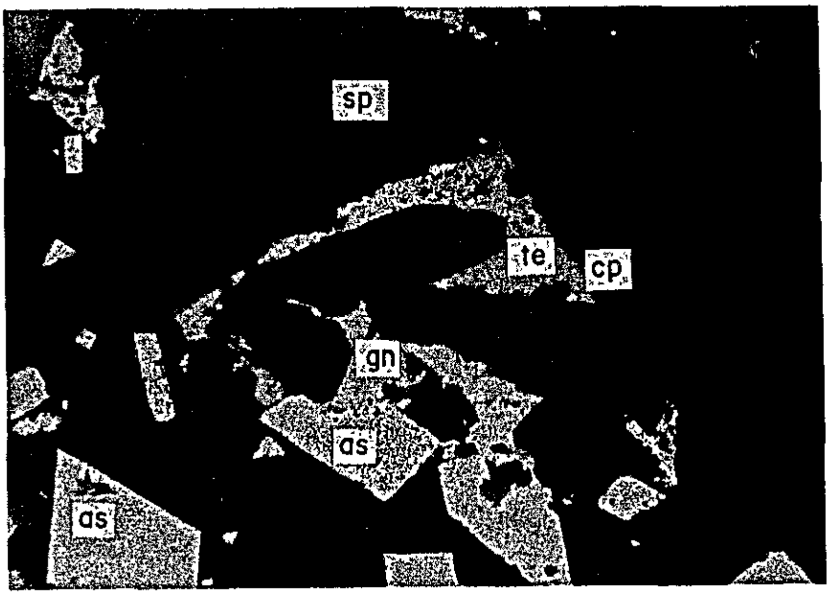
No. O-55A

San Sebastean (Diamante Mining Area)

Polished section

0 0.2mm

The constituent ore minerals within the view are pyrite, galena, sphalerite, arsenopyrite and chalcopyrite in order of abundance.



No. O-55B

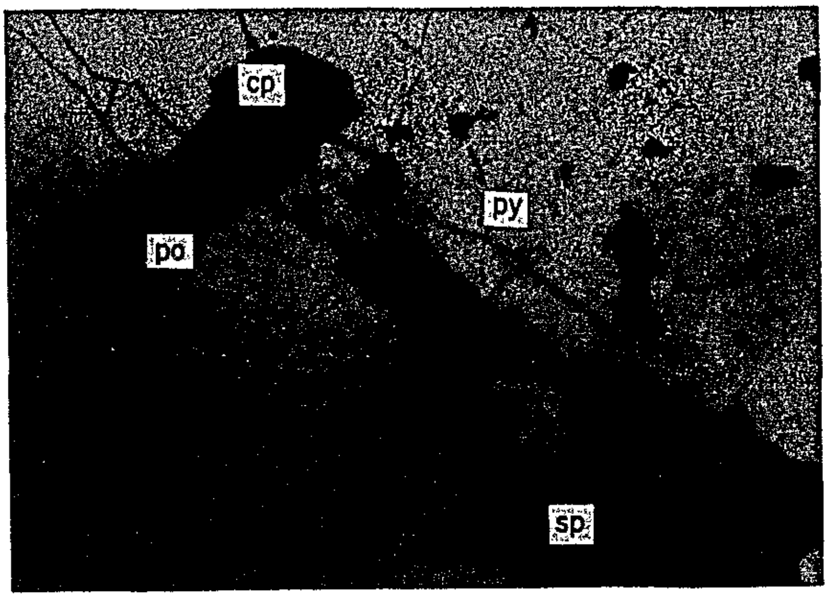
San Sebastean
(Diamante
Mining Area)

Polished section

0 0.2mm

Tetrahedrite and chalcopyrite show coexisting relation with galena.

Arsenopyrite has distinct idiomorphic rhombohedral form.



No. TH7 bis

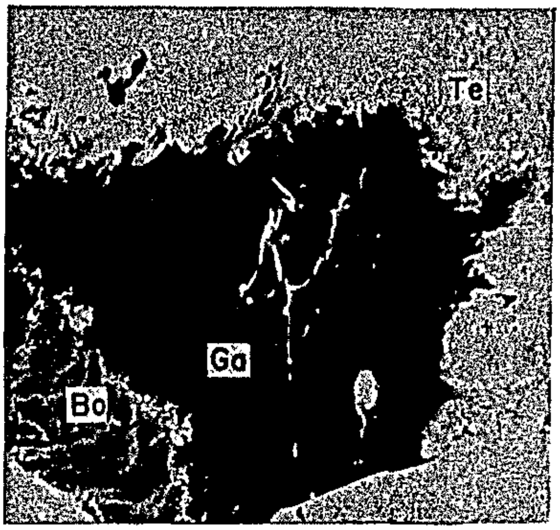
Desquite Mine

Polished section

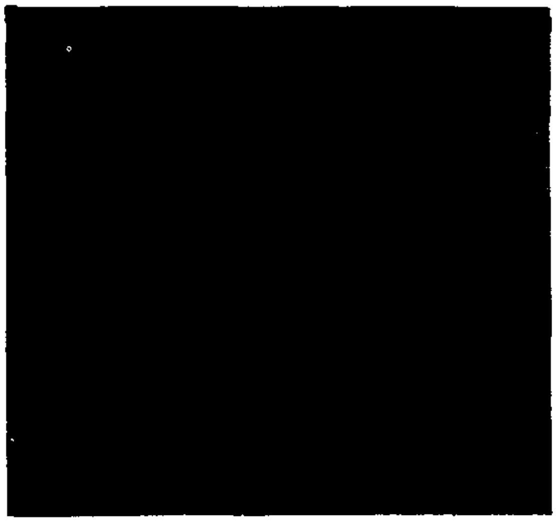
0 0.2mm

Sphalerite-pyrite ore

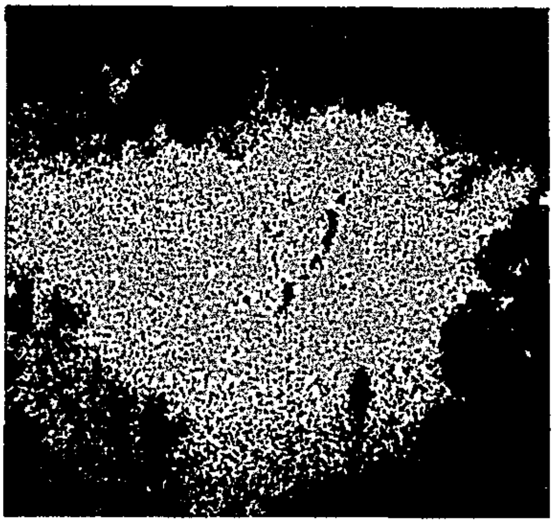
Pyrrhotite grains are accompanied by chalcopyrite in pyrite.



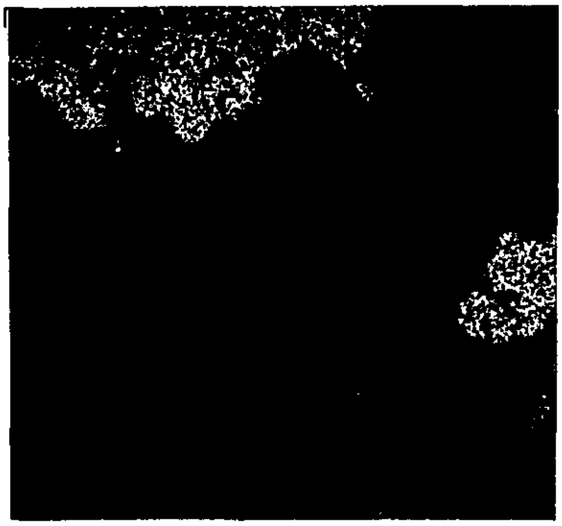
Absorbed electron image



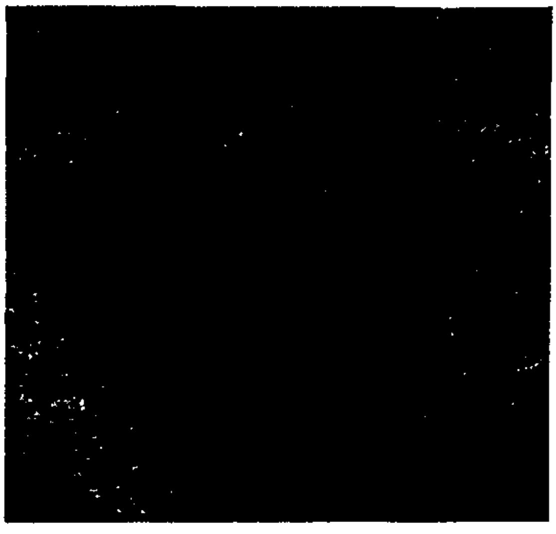
Cu-X-ray image



Pb X-ray image



Fe X-ray image

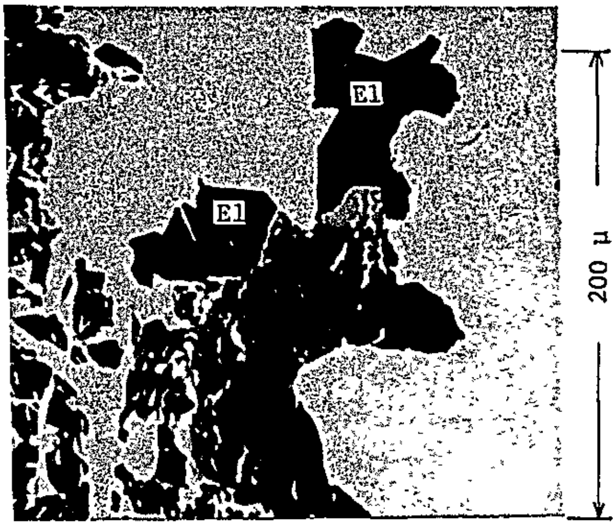


Sb X-ray image

Note; Determination of Tetrahedrite (Te: $3Cu_2S\ Sb_2S_3$) and Boulangerite (Bo: $5PbS\cdot 2Sb_2S_3$), associating closely with Galena (Ga).

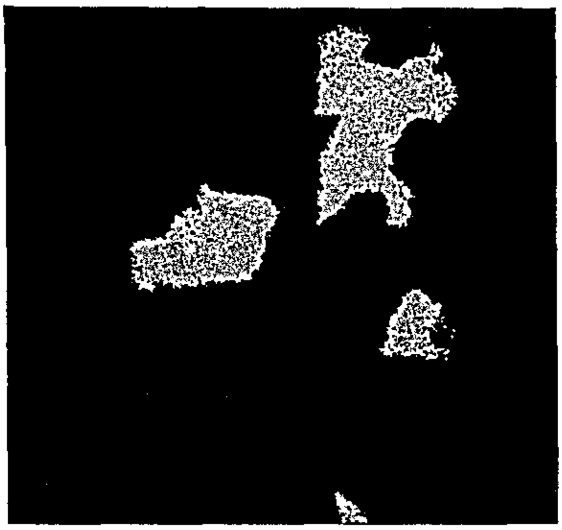
Sample No.	: 0-55B
Locality	: Diamante
Accelerating voltage	: 15 Kv
Absorbed electron	: 0.1 μA
Magnification	: x230

Fig. 8-A Photomicrographs of X-ray Microanalysis; 0-55



Absorbed electron image

El: Electrum



Au X-ray image

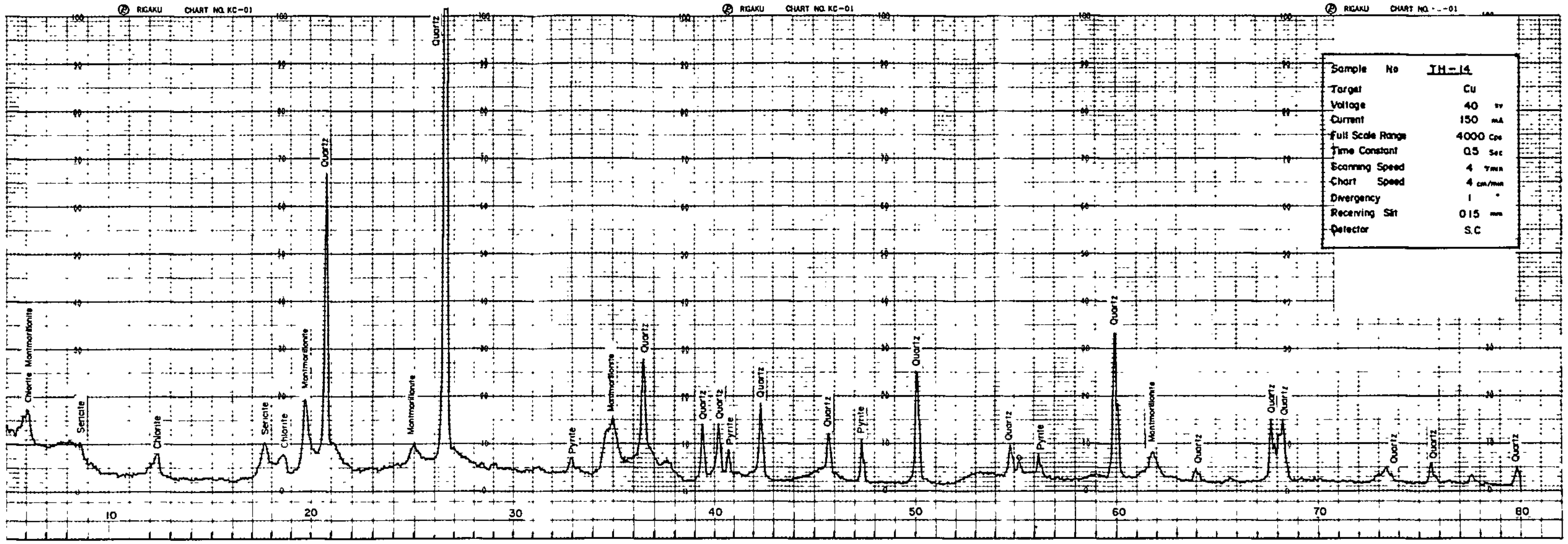
Contents of electrum;
Au: Ag = 60:40, determinated approximately

Ag X-ray image

Sample No.	:	TH7bis
Locality	:	Desquite
Accelerating voltage	:	25 Kv
Absorbed electron	:	0.2 μA
Magnification	:	x300

Fig. 8-B Photomicrographs of X-ray Microanalysis; TH7bis

Fig. 9 Chart of X-ray Diffractive Analysis


RIGAKU CHART NO. KC-01
Sample No TH-14
Target Cu
Voltage 40 kv
Current 150 mA
Full Scale Range 4000 cps
Time Constant 0.5 sec
Scanning Speed 4 °/min
Chart Speed 4 cm/min
Divergency 1 °
Receiving Slit 0.15 mm
Detector S.C
Chlorite Montmorillonite
Sericite
Chlorite
Sericite
Chlorite
Montmorillonite
Quartz
Montmorillonite
Quartz
Pyrite
Montmorillonite
Quartz
Quartz
Quartz
Pyrite
Quartz
Quartz
Pyrite
Quartz
Quartz
Pyrite
Quartz
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40
50
60
70
80

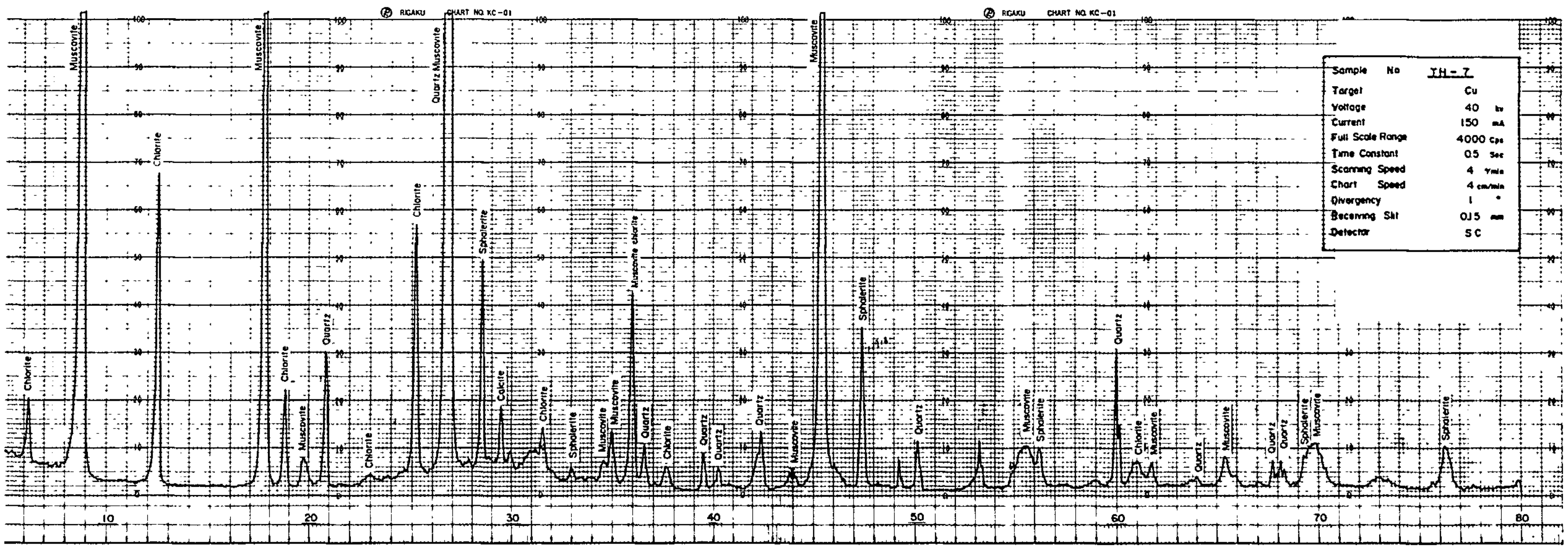
RIGAKU CHART NO. KC-01
Sample No TH-7
Target Cu
Voltage 40 kv
Current 150 mA
Full Scale Range 4000 cps
Time Constant 0.5 sec
Scanning Speed 4 °/min
Chart Speed 4 cm/min
Divergency 1 °
Receiving Slit 0.15 mm
Detector S.C
Chlorite
Muscovite
Chlorite
Muscovite
Chlorite
Muscovite
Quartz
Chlorite
Chlorite
Quartz Muscovite
Sphalerite
Calcite
Chlorite
Sphalerite
Muscovite
Muscovite
Muscovite chlorite
Quartz
Chlorite
Quartz
Quartz
Quartz
Muscovite
Muscovite
Sphalerite
Quartz
Muscovite
Sphalerite
Quartz
Chlorite
Muscovite
Quartz
Muscovite
Quartz
Quartz
Sphalerite
Muscovite
Sphalerite
10
20
30
40
50
60
70
80

Table 6 Results of Chemical Analysis of Ore Minerals

(1)

Sample No.	Locality	Descriptions	Au g/t	Ag g/t	Cu ppm	Mo ppm	Pb %	Zn %	As %
O-03	Verde	py vein, 120cm	tr	tr	450	-	-	-	<0.01
O-04	Verde ppl, No. 10	py vein, 60cm	2.7	7	130	-	-	-	<0.01
O-12	Canellera ppl	state, py impre.	-	-	55	-	-	-	-
O-13	ditto	ditto	-	-	44	-	-	-	-
O-14	ditto	ditto	-	-	44	-	-	-	-
O-16	ditto	ditto	-	-	100	-	-	-	-
O-18	ditto, andalucia	float, q-vein, 20cm	2.4	13	890	-	-	-	0.01
O-20A	Patoquilia	q-vein, 60cm	tr	tr	6	-	-	-	<0.01
O-20B	ditto	q-vein, w. sulf, 30cm	tr	tr	360	-	-	-	0.01
O-23A	Tigre, No.41	sheared slate, 40cm	tr	tr	50	-	-	-	-
O-23B	ditto	sheared slate, 70cm	tr	tr	100	-	-	-	-
O-46	Ramos, No.114	py granodiorite	-	-	390	<1	-	-	-
O-47	ditto	alt. oxid. diorite	-	-	320	7	-	-	-
TAB-1	Tabano mine	virtical 80cm	30.0	23	450	-	-	-	<0.01
TAB-2	ditto	virtical 200cm	0.7	3	190	-	-	-	<0.01
TAB-3	ditto	horizontal 200cm	3.2	3	220	-	-	-	0.01
TAB-4	ditto	q-vein, horiz. 200cm	tr	tr	190	-	-	-	0.01
TAB-5	ditto	actual front, NE 50cm	16.0	8	500	-	-	-	0.02
CAR-2	Cartuja	q-vein, 140cm	tr	tr	-	-	-	-	0.03
FLO-1	Floreste	q-vein, 25cm	10.0	3	-	-	-	-	0.05
CON-1	Concordia	q-vein, 40cm	10.7	4	-	-	-	-	1.10
D-02	Hormiga	sulf. ore, 40cm	17.0	143	3100	-	0.19	1.30	23.00
D-04	Auxiliadora	tunnel SE, 80cm	3.3	90	2300	-	0.10	2.20	32.00
D-05	ditto, plant	py, after 2 pannings	112.0	75	2700	-	<0.01	0.02	0.84

(2)

Sample No.	Locality	Descriptions	Au g/t	Ag g/t	Cu ppm	Mo ppm	Pb %	Zn %	As %
AUX-1	Auxiliadora, East	breccia ore 120cm	15.7	13	930	-	0.01	0.01	0.16
DIA-1	Diamante, NW	sulfides ore, py, 200cm	2.0	3	500	-	0.03	0.14	0.64
DIA-2	ditto	ditto, network 200cm	7.6	122	4200	-	0.12	1.10	1.60
DIA-3	ditto	ditto, compact v. 100c	25.5	76	1300	-	0.24	1.50	6.00
DIA-4	Diamante, SE	sulfides, massiv, 140cm	8.8	46	1100	-	0.20	2.00	4.40
GUA-1	Gualquilia	tunnel, SE front 100cm	0.8	74	2000	-	0.37	0.32	0.52
GUA-2	Gualquilia	piled ore	32.0	236	15000	-	0.89	2.10	1.70
GUA-3	ditto	sulfides, compact, 40cm	1.7	263	9600	-	1.50	1.40	0.56
SRAF-1	San Rafael	oxide, sulf mix. 80cm	17.6	56	370	-	0.40	0.04	9.40
SRAF-2	ditto	piece samples	3.5	76	1000	-	0.45	0.72	17.00
1034	Sergia	argill yel. gray	tr	tr	100	<1	-	-	-
1036	Verde	sil, green rock	0.5	3	280	2	-	-	-
TH-7	Desquite	piled ore	0.7	18	260	<1	0.02	1.00	0.02
TH-14	Gualcala	rio blanco, old adit	0.5	2	50	<1	-	-	-
SR-01	Ramos	soil samples	-	-	130	2	-	-	-
SR-03	ditto	ditto	-	-	310	22	-	-	-
SR-05	ditto	ditto	-	-	90	6	-	-	-
SR-07	ditto	ditto	-	-	140	6	-	-	-
SR-09	ditto	ditto	-	-	140	8	-	-	-
1013-2	Verde	Cu ore	-	-	2700	9	-	-	-
1357	ditto	ditto	-	-	2900	60	-	-	-
1362	ditto	ditto	-	-	1600	5	-	-	-

Table 7 Description of Microscopic Observation on the Thin Sections and Polished Sections

Thin Sections

(1)

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
1377	Rio Pale	Dark brown with spotted green mafic minerals.	Pyroxene andesite Phenocrysts of idiomorphic twinned clinopyroxene (max. 2^{mm} in length) and plagioclase ($0.1-1.5^{mm}$) lie in a groundmass of fine laths of plagioclase and ore minerals. Pyroxene also contains magnetite and hematite. Light greenish-brown biotite or chlorite have formed after pyroxene.
1024	Q. Sergia	Dark grayish-green fine to medium, fractures filled with white zeolitic mineral	Andesite Intensely altered volcanic rock composed of alteration products; chlorite, sericite, epidote and veinlets of secondary quartz.
1033	Rio Cristal	Dark green breccia rock Lithology of fragments is essential.	Pyroxene andesite The rock may show a finely-brecciated texture but not so distinct because of the similarity of each fragment petrology. Phenocrysts of clinopyroxene ($0.3 \sim 2.0^{mm}$) and plagioclase are embedded in a groundmass of finer plagioclase laths of glassy material. Some of clinopyroxene phenocrysts may be broken.
854	Rio Blanco (Telembi)	Grayish-green, medium, homogeneous with pyrite dis-semination.	Dacitic rock Seriously altered rock without relict clinopyroxene. Chlorite, fibrous cluster in form is abundant and replaces amphibole-like crystals. Interstitial quartz occurs between plagioclase laths.

(2)

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
TH-2	Rio Blanco (Telembi)	Greenish-gray, medium, homogeneous with many veinlets of fine pyrite.	Dioritic rock The rock has subvolcanic or hypabyssal texture. Chlorite in amoeba-like form containing magnetite and a small amount of ilmenite is the mere mafic mineral. Plagioclase less than 1.5^{mm} long and interstitial fine quartz are other constituents.
TH-4	Rio Blanco (Telembi)	Dark gray, medium to coarse, gabbroic with chalcopyrite mineralisation.	Pyroxene andesite This volcanic rock undergoes thermal metamorphism to form pale greenish-brown biotite around clinopyroxene crystals. Clinopyroxene; possibly pale brown augite ($0.5\sim1.5^{mm}$ in size) rimmed with alteration minerals of chlorite and sericite, is principal phenocryst with plagioclase $0.5\sim1.5^{mm}$ long. Quartz has recrystallized in interstitial matrix. Apatite and magnetite are accessory minerals.
AUX-1	Diamante	Greenish-gray altered rock showing porphyritic texture and fine pyrite mineralisation.	Quartz dioritic rock The rock also has subvolcanic to hypabyssal texture. Epidote, transparent in $0.05\sim0.1^{mm}$ long stumpy form occurs with chlorite in the periphery of relict hornblende. Plagioclase is $0.1\sim0.3^{mm}$ long and primary quartz consists mosaic and secondary fine-grained quartz is also common.
1557	South of Piedrancha	Brown, brecciated volcanic rock.	Basaltic andesite Possibly finely-brecciated facies of lava flow. The rock is characterized by two modes of occurrence of clinopyroxene. Some phenocrysts of clinopyroxene and plagioclase lie in fragment in hypocrystalline clinopyroxene-bearing ground-mass.

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
283	Rio Cristal (Gualcala)	Dark green basaltic rock finely autobrecciated with amygdaloidal texture.	Basaltic andesite The rock presents volcanic and in part poikilitic texture. Phenocrysts of clinopyroxene; augite $0.1\sim\underline{+}1.0^{mm}$ in size twinning, plagioclase, chlorite and calcedonic quartz of $0.3\sim0.5^{mm}$ in dia. enclosing clinopyroxene crystals are embedded in a fluidal groundmass composed of plagioclase, chloritized glass and clinopyroxene in order of abundance.
TH-11	Agua Tigre (Gualcala)	Greenish-gray medium volcanic rock with pyrite veinlets.	Pyroxene andesite Phenocrysts of plagioclase $1.0\sim1.5^{mm}$ long and clinopyroxene replaced by calcite and sericite in part are embedded in a groundmass of plagioclase fine lath. Epidote occurs in idiomorphic crystals in veinlets with quartz.
TH-12	Agua Tigre (Gualcala)	Dark gray medium-grained homogeneous, less altered.	Pyroxene andesite The rock has a coarser groundmass than common andesitic rocks. Phenocrysts are pale brownish-green occasionally twinned clinopyroxene and plagioclase. Stumpy prismatic plagioclase and injection quartz of mosaic texture or veinlets constitute a groundmass. Pyrite is common ore mineral.
TH-13	Agua Tigre	Light greenish-gray, fine-grained rock. Epidote spots are scattered.	Andesite Being subjected to hydrothermal alteration, mafic phenocrysts have altered to chlorite, epidote forming pseudomorph of hornblende or pyroxene. The groundmass is silicified to form very fine mosaic quartz grains.

(4)

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
TH-16	Rio Blanco (Gualcala)	Dark gray, silicified to be compact with pyrite veinlets.	Andesite Greatly altered to decompose mafic minerals. Primary plagioclase is albitized to enclose calcite and a small amount of sericite lath. The texture suggests andesitic rocks most common in this area.
737	Q. Tablon	Light greenish-purple, medium, chloritized.	Pyroxene andesite Phenocrysts of clinopyroxene ($0.2\sim0.3^{mm}$ in average) and prismatic plasioclase 1.8^{mm} long lie in a groundmass with fluidal texture of fine accicular plagioclase laths showing poikilitic texture. Alteration gives rise to some chlorite, epidote and sericite.
0-37	Ramos	Green fine volcanic rock with dark green shining mafic minerals.	Hornblende andesite Pale green actinolitic hornblende and sericite have recrystallized replacing primary hornblende owing to contact metamorphism. Plagioclase forms the phenocryst and the groundmass showing volcanic texture with magnetite grains and pyrite.
323	Rio Telembi	Dark gray to black Weathered surface is characteristic of calcareous rock.	Fossiliferous sandstone Well-sorted and contains subround poligenetic grains $0.08\sim0.01^{mm}$ in dia. Lithology of clastic grains is clinopyroxene, calcite, fossil, quartz and lesser amount of mica.
1736	Q. Ramos	Black fine sandstone Clastic grains are visible.	Sandstone The clastic rock is well sorted and the grains are predominantly volcanic (andestic) rocks 3^{mm} in dia. in max. with minor amount of calcareous rock.

(5)

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
1385	Rio Pale	Medium-grained porphyritic rock.	Hornblende porphyrite Hypabyssal rock The constituent minerals are pale green to grass green accicular hornblende up to 2.1^{mm} in length with apatite inclusion, plagioclase giving porphyritic texture, some of which altered to sericite, and fine isogranular quartz. Apatite, zircon and magnetite are accessory minerals. Alteration has caused to form epidote, chlorite in fan-like form and a small amount of sericite.
0-15	Rio Canellera	Gray coarse-grained, showing a slight arrangement of hornblende.	Quartz dioritic rock, containing hornblende, plagioclase and quartz. Hornblende, grass green to brownish-green-colored, several milimeters in prismatic direction embraces idiomorphic apatite and has altered in part to chlorite. Sericite alteration proceeds along the cracks of coarse-grained plagioclase of andesine.
0-17	Rio Canellera	Dark gray, fine accicular hornblende is abundant but do not show specific arrange ment.	Porphyritic hornblende-biotite granodiorite, showing porphyritic texture due to plagioclase phenocrysts $1.0\sim 1.5^{mm}$ long. Greenish-brown hornblende $0.5\sim 2.0^{mm}$ long encloses or is accompanied by biotite laths and apatite. Pale brown biotite $0.08\sim 0.1^{mm}$ long laths lie in the isogranular quartzo-feldsparthic matrix. Magnetite and sphene in aggregate with biotite laths are accessory minerals.

Sample No.	Location	Macroscopic description	Microscopic Observations
0-24	Q. Tigre	Dark green, medium-grained, cataclastic altered granitic rock with chalcopyrite mineralization.	Hornblende-biotite granodiorite Partly-recrystallized hornblende laths have intergrowth with biotite and epidote. Plagioclase with zonal structure, interstitial alkali feldspar are other important minerals. Epidote occurs along the cracks with secondary quartz and pyrite.
0-25	El Tabano	White, fine to medium quartzo-feldspathic rock.	Graphic granite Perthite, showing the distinct graphic texture of alkali feldspar-quartz intergrowth with microcline, orthoclase more than $2\sim3^{mm}$ long, quartz and a small amount of plagioclase form a matrix. Mafic minerals including biotite laths or aggregate, 0.01^{mm} grains in dia. of epidote veinlets with chlorite and muscovite are scattered. The rock specimen seems to be formed in the last phase of crystallization.
0-60	Piedrancha	Light gray, medium-grained homogeneous.	Hornblende-biotite granodiorite, being composed of light greenish-brown biotite of $0.7\sim1.0^{mm}$ in dia. pale brownish-green hornblende of 2.0^{mm} long in max., much amount of plagioclase showing albite twinning and interstitial potassic feldspar. Biotite and hornblende have altered in part to chlorite and to sericite respectively. Statistics of extinction angle measurements of twinned plagioclase reveals andesine. Accessory minerals are zircon and magnetite with 0.5^{mm} max. grains.

Sample No.	Location	Macroscopic description	Microscopic Observations
205	Rio Santa Rosa	Dark gray medium granitic rock.	Quartz dioritic rock Chlorite and sericite are alteration products of hornblende. Biotite is possibly present. Other constituents are isogranular plagioclase $1.0\sim1.5^{mm}$ in max. with zonal structure and interstitial mosaic quartz. Mafic relict minerals are accompanied by magnetite.
210	Rio Santa Rosa	Altered to white, with pyrite mineralization.	Quartz dioritic rock Chlorite replacing some mafic mineral, plagioclase 1.5^{mm} in max. containing sericite laths, mosaic finer grains of quartz than plagioclase and possibly a small amount of potassic feldspar altered to sericite fine laths. Zircon and or sphene are accessory minerals.
0-30	Ramos	Coarse-grained homogeneous granitic rock with a small amount of sulphide.	Hornblende-biotite granodiorite Pale yellowish-green biotite occurs at the margin of hornblende, some of which altered to chlorite. Plagioclase in $2\sim4^{mm}$ prismatic form giving the rock porphyritic texture and quartz are also constituent minerals. Accessory minerals include zircon and magnetite containing idiomorphic apatite.
0-42	Ramos	Greenish-gray hypabyssal rock with sulfide impregnation.	Granite porphyry $0.2^{mm}\sim2-3^{mm}$ twinned plagioclase with zonal structure, pale green biotite and rare hornblende consist the porphyritic phenocrysts. Quartz 0.01^{mm} in dia. and fine plagioclase form the groundmass. Occasional epidote has formed at the expense of hornblende.

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
0-45	Ramos	Medium granitic rock penetrated by sulfide minerals.	Quartz dioritic rock Phenocryst consists of hornblende and plagioclase. Chlorite is alteration mineral of hornblende. Hornblende is light brown, idiomorphic or subidiomorphic and $0.75\sim1.25^{mm}$ long. Plagioclase, $0.25\sim1.25^{mm}$ prismatic contains a small amount of dirty secondary sericite along parting. Quartz constitutes finer mosaic groundmass with much amount of magnetite. The texture is subvolcanic.
637	Rio Vargas	Green fine-grained homogeneous rock Dark green phenocryst is abundant.	Chlorite-calcite-epidote schist or schistose hornfels. The only relict mineral is pale brownish-green hornblende. Yellowish chlorite and calcite are of elongated form showing schistose texture. Epidote, also recrystallized mineral is stumpy prismatic 0.1^{mm} in length (max. 0.2^{mm}). Prismatic plagioclase and a small amount of quartz constitute granoblastic matrix.
672	Upper Vargas	Dark gray, fine-grained, homogeneous.	Hornblende-biotite-plagioclase hornfels Yellowish green accicular hornblende has radially recrystallized with light brown flakes of biotite, plagioclase and quartz. The last two occur in the periphery of primary plagioclase.
G-7	Q. San Luis south of Eden	Dark green, fine-grained slightly schistose rock.	Hornblende-epidote hornfels This is the metamorphosed pyroxene andesite. Light brownish-green hornblende has recrystallized replacing primary clinopyroxene 2.0^{mm} in dia. in granular habit. Albite, showing low relief in the periphery of relict plagioclase phenocrysts and quartz constitute granoblastic matrix.

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
1558	South of Piedrancha	Black, with gray phenocrysts of plagioclase.	Hornblende-biotite hornfels Pale green fine accicular hornblende has formed in the expense of primary relict hornblende 2^{mm} long and clinopyroxene. Biotite flakes, light greenish-brown ($0.05\sim0.1^{mm}$) form recrystallized clusters.
1085	Rio Cristal	Andalusite-spotted black slate Andalusite is randomly arranged in a bedding plane.	Andalusite-biotite-sericite hornfels Porphyroblasts of andalusite 1^{cm} long in elongated direction showing typical chiastolite crystals owing to carbonaceous material are common. Light yellowish-brown biotite flakes having distinct seive texture and much amount of carbonaceous material consisting granoblast with plagioclase and quartz are indicative of poor recrystallization.
G-8	Q. Fraile east of Eden	Purplish-gray micaceous hornfels.	Cordierite-biotite-muscovite hornfels Medium to high grade pelitic metamorphic rock. Cordierite $0.2\sim0.5^{mm}$ in dia. containing inclusions of biotite and sericite laths is abundant. Pale brown flakes of biotite and muscovite are also main metamorphic minerals embedded in granoblast of plagioclase and quartz.
344	Rio Gualcala	Drak purple slate, well stratified.	Biotite-calcite-sericite hornfels Pale brown biotite and clustered sericite in lens occur paralelle with bedding plane. Granoblastic matrix is composed of calcite, plagioclase ($<0.08\sim0.05^{mm}$ in dia.), quartz and carbonaceous material.

Sample No.	Location	Macroscopic descriptions	Microscopic Observations
687	Q. Ramos	Greenish-gray porphyritic rock containing hornblende phenocrysts 0.5^{cm} in max.	Hornblende andesite The rock is holocrystalline and has a texture of hypabyssal rock. The constituent minerals are pale brownish-green hornblende fringed by ore mineral, plagioclase $0.3\sim0.7^{mm}$ in dia. subgranular which form the phenocrysts, prismatic plagioclase laths $0.08\sim0.1^{mm}$ long and quartz of groundmass. Alteration is characterized by much amount of epidote and calcite in a small amount.

Polished Section

(1)

Sample No.	Locality	Macroscopic Descriptions	Microscopic Observations
1062	Rio Cristal	Pyrite vein in psammitic rock	This is composed of granular pyrite and gangue minerals.
862	Rio Blanco (Telembi)	Fine-grained quartz dioritic rock with dissemination of isogranular small grains of sulfide	Constituent minerals are corroded pyrite, granular magnetite, columnar hematite and fine grained chalcopyrite. Those minerals are scattered in the rock.
O-18	Rio Canellera	Andesitic rock with sulfide dissemination	Constituent minerals are chalcopyrite, chalcocite and covellite. Covellite and chalcocite occur along the crack and at crystal margin of chalcopyrite. Those minerals are thought to be secondary minerals from chalcopyrite.
D-01	Diamante Hormiga	Sphalerite, pyrite and arsenopyrite in argillated white quartz vein	Abundant arsenopyrite crystallized in the latest stage penetrating into resolved (?) chalcopyrite is observed.
AUX-1	Diamante Auxiliadora	Greenish-yellow altered rock with pyrite mineralization replacing phenocrysts	Constituent minerals are pyrite and gangue minerals. Pyrite shows corroded form and scattered in the rock.
DIA-3	Diamante	Dark gray siliceous ore with druse	Constituent minerals are sphalerite, galena, chalcopyrite, arsenopyrite and pyrite. Sphalerite contains dotted chalcopyrite and shows close coexisting relation with arsenopyrite and pyrite. Galena replaces pyrite and arsenopyrite. Arsenopyrite shows euhedral-form and close-relation with pyrite. Pyrite is seemed to be earlier crystalization than arsenopyrite.

Sample No.	Locality	Macroscopic Descriptions	Microscopic Observations
0-54	Piled ore of Diamante	Same as above. Visible black grains of sphalerite are scattered.	This is nearly same as sample No. DIA-3, but chalcopyrite-dot in sphalerite is less amount than that.
0-55 A	Diamante San Sebastean	Dark gray siliceous ore with pyrite spots accompanied by a small amount of chalcopyrite.	Constituent minerals are sphalerite, chalcopyrite, galena, tetrahedrite, boulangerite ($5PbS \cdot 2Sb_2S_3$), pyrite and arsenopyrite. Pyrite shows coarser anhedral form and arsenopyrite shows finer euhedral form and abundant. Galena and chalcopyrite replace pyrite in parts.
0-55 B	Diamante San Sebastean	Same as above	Same components as 0-55A, but much clear relation between boulangerite, arsenopyrite, and galena is observed, which examinated by XMA. (Ref. XMA photographs) Tetrahedrite and boulangerite show close coexisting relation with galena, and seem to replace galena.
TH7 bis	Desquite Mine	Coarse-grained sphalerite and pyrite in lesser amount with clay.	This is mainly composed of sphalerite and pyrite. They show close coexisting relation. Sphalerite contains scarecely dotted chalcopyrite. Pyrite is replaced by galena and chalcopyrite in parts. Pyrrhotite also occurs in parts with chalcopyrite. The rock contains minor amount of electrum. (A_{u60} A_{g40}) Electrum seems to be later stage mineralization. (Ref. XMA photographs)

Table 8 Results of Analysis of Geochemical Samples

Note

Locality - River names		Geology - Lithologic groups	
CR	- Rio Cristal	G	- Granodiorite
BL	- Rio Blanco	V	- Volcanic rocks
GL	- Rio Gualcala	S	- Sedimentary rocks
NM	- Rio Ñambi		
VG	- Rio Vargas		
TL	- Rio Telembi		
RM	- Rio Ramos		
PL	- Rio Pali		

(1)

Sample Number	Locality	Geology	Assay Value (ppm) Au	Cu	Pb	Zn	Mo
2	CR	V	0.0	89	37	135	<1
3	CR	V	0.0	134	40	178	3
4	CR	V	0.0	68	32	126	<1
5	CR	V	0.0	122	42	194	<1
6	CR	V	0.0	77	30	132	<1
7	CR	V	0.0	148	44	165	3
8	CR	V	0.0	114	44	280	<1
9	CR	V	0.0	142	44	175	<1
10A	CR	V	0.3	147	40	178	<1
10B	CR	V	0.0	146	44	148	2
11	CR	G	0.0	275	34	121	2
12	CR	G	0.0	35	22	166	1
13	CR	G	0.0	28	28	319	<1
14	CR	G	0.0	11	12	167	<1
15	CR	G	0.0	18	16	164	<1
16	CR	G	0.0	31	34	167	<1
17	CR	G	0.0	31	36	135	<1
18	CR	G	0.0	23	26	97	<1
19	CR	G	0.0	32	39	100	<1
20	CR	G	0.0	68	33	143	<1
21	CR	G	0.0	74	29	137	<1
22	CR	G	0.0	59	33	228	<1
23	CR	G	0.0	85	34	140	<1
23A	CR	G	0.0	65	28	146	<1
24	CR	G	0.0	56	24	201	<1
25	CR	G	0.0	90	31	162	<1
27A	CR	S	0.0	52	21	185	<1
27B	CR	S	0.0	110	33	172	2
28	CR	S	0.0	43	10	232	1
30	CR	S	0.0	77	12	235	2
31	CR	S	0.0	51	5	479	1
32	CR	S	0.0	56	10	199	<1
33	CR	S	0.0	19	14	279	<1
34	CR	S	0.0	64	5	218	<1
35	CR	V	0.0	114	5	140	<1
36	CR	V	0.0	78	10	243	<1
37	CR	V	0.2	72	14	399	<1
38	CR	V	0.0	68	10	318	<1
39	CR	V	0.0	43	14	565	1
40	CR	V	0.4	110	5	256	1
42	CR	V	0.0	36	13	161	<1
43	CR	V	0.8	139	34	147	1
44	CR	S	0.0	32	29	218	1
45	CR	V	12.9	364	25	105	3
46	CR	V	0.1	72	5	193	2
47	CR	S	0.1	55	15	188	<1
48	CR	S	0.0	36	11	585	<1
49	CR	S	3.0	40	18	355	1
50	CR	S	0.3	53	11	136	<1
51	CR	S	0.0	21	9	189	<1
52	CR	S	0.0	35	11	148	<1
53	CR	S	0.0	109	13	168	<1
54	CR	S	8.2	58	36	249	<1
55	CR	S	0.7	34	17	164	<1
56	CR	S	0.0	38	7	153	<1
57	CR	S	0.0	28	8	183	<1
58	CR	S	6.5	30	10	224	<1
59	CR	S	0.0	9	6	309	<1
60	CR	S	0.0	123	13	98	2
61	CR	S	0.0	22	8	286	<1
62	CR	S	0.0	22	8	242	<1
63	RM	V	0.0	49	14	161	<1
64	RM	V	0.0	42	4	64	<1
65	RM	V	0.0	56	20	78	<1
66	RM	V	0.0	54	12	94	<1
67	RM	V	0.0	29	4	78	<1
68	RM	V	0.0	42	8	46	<1
69	RM	V	0.0	51	12	140	<1
70	RM	V	0.0	44	3	52	<1
71	RM	V	0.0	55	12	123	<1
72	RM	V	0.0	76	12	101	<1
73	RM	V	0.0	45	12	110	<1

Sample Number	Locality	Geology	Assay Value (ppm) Au	Cu	Pb	Zn	Mo
74	RM	V	0.0	84	17	220	<1
75	RM	V	0.0	44	12	112	<1
76	RM	V	0.0	44	9	46	<1
77	RM	V	0.0	50	9	45	<1
78	RM	V	0.0	41	6	53	<1
79	RM	V	0.0	62	9	50	<1
80	RM	V	0.0	32	3	56	<1
81	RM	V	0.0	49	3	52	<1
82	RM	V	0.0	45	3	64	<1
83	RM	V	0.8	111	6	78	2
84	RM	V	0.0	94	6	77	2
85	RM	V	4.5	64	12	75	<1
86	RM	V	0.0	83	9	91	<1
87	RM	V	0.0	326	6	37	13
88	RM	V	0.0	200	6	61	4
89	RM	V	0.0	49	12	54	<1
90	RM	V	0.0	60	11	52	<1
91	RM	V	0.0	42	7	43	<1
92	RM	V	0.0	55	12	47	<1
93	RM	V	0.0	59	14	60	<1
94	RM	V	0.0	53	10	80	<1
95	RM	V	0.0	33	15	45	<1
96	RM	V	0.0	59	14	53	<1
97	RM	V	0.0	26	19	54	<1
98	RM	V	0.0	60	15	60	<1
99	RM	V	0.0	59	14	64	<1
100	RM	V	0.0	64	16	103	<1
101	RM	V	0.6	72	15	94	<1
102A	RM	V	0.0	305	14	84	6
102B	RM	V	0.0	406	10	53	5
103	RM	V	0.2	112	20	101	<1
104	RM	V	1.1	105	22	103	<1
105	RM	V	0.5	103	41	54	2
106	RM	V	0.6	58	25	107	<1
107	RM	V	0.0	56	16	87	<1
108A	RM	V	0.7	39	12	95	2
108B	RM	V	6.5	41	17	130	<1
109	RM	V	0.2	61	14	133	<1
110	RM	V	0.0	58	17	193	<1
111	RM	V	0.0	31	11	87	<1
112	RM	V	0.5	42	14	94	<1
113	RM	V	0.0	66	6	101	<1
114	RM	V	0.0	257	8	151	6
115	RM	V	0.0	246	8	84	4
116	RM	V	0.1	178	6	72	1
117	RM	V	0.0	234	8	73	2
118	RM	V	0.0	128	11	72	3
119	RM	V	0.1	68	17	97	<1
120	RM	V	0.0	96	16	70	<1
121	RM	V	2.4	59	8	98	<1
122	RM	V	0.0	69	11	79	<1
123	RM	V	0.1	94	11	116	1
124	RM	V	0.0	148	11	99	3
125	RM	V	0.4	112	8	45	8
126	RM	V	0.0	37	14	212	<1
127	RM	V	0.0	63	14	105	<1
128	RM	V	0.0	74	14	128	<1
129	RM	V	0.0	60	11	110	<1
130	RM	V	1.0	41	11	99	<1
131	RM	V	0.2	57	22	244	<1
132	RM	V	0.0	20	8	97	<1
133	RM	V	0.0	15	6	144	<1
134	RM	V	1.1	71	20	138	<1
135	RM	V	0.0	43	14	126	<1
201	GL	V	0.0	89	14	118	<1
202	GL	V	0.0	116	13	130	<1
203	GL	V	0.0	70	20	81	<1
204	GL	V	0.0	116	17	105	<1
205	GL	V	0.0	157	17	97	<1
206	GL	V	0.0	211	5	67	1
207	GL	V	0.1	111	19	102	<1
208	GL	V	0.0	130	19	100	<1

(2)

Sample Number	Locality	Geology	Assay Value (ppm) Au	Cu	Pb	Zn	Mo
210	GL	V	0.0	110	17	110	<1
211	GL	V	0.5	116	18	100	<1
212	GL	V	0.2	97	19	102	<1
213	GL	V	0.0	202	19	108	14
214	GL	V	0.0	158	20	106	1
215	GL	V	0.0	161	21	100	<1
216	GL	V	0.0	94	15	112	<1
217	GL	V	0.0	68	13	100	<1
218	GL	V	0.0	103	17	123	<1
219	GL	V	0.0	107	17	144	<1
220	GL	V	0.0	122	15	112	<1
221	GL	V	0.0	102	17	123	<1
222	GL	V	0.0	93	21	109	<1
223	GL	V	0.0	64	20	111	<1
224	GL	V	0.0	84	20	122	<1
225	GL	V	0.0	93	17	142	<1
226	GL	V	0.0	30	17	97	<1
227	GL	V	0.0	40	17	140	<1
228	GL	V	0.0	83	17	117	<1
229	GL	V	0.0	48	19	125	<1
230	GL	V	0.0	83	22	122	<1
231	GL	V	0.0	88	19	133	<1
232	GL	V	0.0	94	20	106	<1
233	GL	V	0.0	98	18	106	<1
234	GL	V	0.0	102	20	173	<1
235	GL	V	0.0	48	20	111	<1
236	GL	V	0.0	92	15	145	<1
237	GL	V	0.0	142	23	122	<1
238	GL	V	0.0	89	13	139	<1
239	GL	V	0.0	73	19	183	<1
240	GL	V	0.0	113	17	117	<1
241	GL	V	0.2	109	16	227	<1
242	GL	V	0.0	89	19	139	<1
243	GL	V	0.0	43	17	108	<1
244	GL	V	0.0	68	17	151	<1
245	GL	V	0.0	109	17	106	<1
246	GL	V	0.1	65	5	117	<1
247	GL	V	0.0	110	5	107	<1
248	GL	V	0.1	116	30	135	<1
249	GL	V	0.0	137	20	126	<1
250	GL	V	0.0	45	5	124	<1
251	GL	V	0.0	99	20	153	<1
252	GL	V	0.0	95	13	116	<1
253	GL	V	0.0	116	5	135	<1
254	GL	V	0.0	108	11	161	<1
255	GL	V	0.0	86	11	202	<1
256	GL	V	0.0	92	16	104	<1
257	GL	V	0.0	82	5	128	<1
258	GL	V	0.5	111	29	161	<1
259	GL	V	0.1	103	29	180	<1
260	GL	V	0.1	71	29	139	<1
261	GL	V	0.1	116	30	217	<1
262	GL	V	0.1	120	24	138	<1
263	GL	V	0.0	78	36	225	<1
264	GL	V	0.0	128	27	128	<1
265	GL	V	0.0	121	37	135	<1
266	GL	V	0.0	116	51	166	<1
267	GL	V	0.0	128	24	131	<1
268	GL	V	0.0	128	16	164	<1
269	GL	V	0.0	108	16	139	<1
270	GL	V	0.0	137	16	147	<1
271	GL	V	0.0	74	16	113	<1
272	GL	V	0.0	118	18	105	<1
273	GL	V	0.0	93	19	128	<1
274	GL	V	0.0	117	16	111	<1
275	GL	V	0.0	123	14	105	<1
276	GL	V	0.0	107	26	117	<1
277	GL	V	0.0	93	20	100	<1
278	GL	V	0.0	117	5	102	<1
279	GL	V	0.0	137	5	102	<1
280	GL	V	0.0	82	14	105	<1
281	GL	V	0.0	119	13	92	<1

Sample Number	Locality	Geology	Assay Value (ppm) Au	Cu	Pb	Zn	Mo
282	GL	V	0.0	88	14	105	<1
283	GL	V	0.0	98	11	100	<1
284	GL	V	0.0	74	15	145	<1
285	GL	V	0.0	85	14	105	<1
286	GL	V	0.0	115	5	110	<1
287	GL	V	0.0	41	15	104	<1
288	GL	V	0.0	120	5	122	<1
289	GL	V	0.0	85	5	97	<1
290	GL	V	0.0	81	11	107	<1
291	GL	V	0.0	4	11	64	1
292	GL	V	0.0	55	11	72	1
293	GL	V	0.0	142	5	113	2
294	GL	V	0.0	99	5	92	1
295	GL	V	0.0	115	5	133	<1
296	GL	V	0.0	53	5	168	<1
297	GL	V	0.0	49	10	114	2
298	GL	V	0.0	124	5	123	<1
299	GL	V	0.0	144	5	112	<1
300	GL	V	0.0	143	5	127	<1
313	TL	V	0.0	172	20	165	<1
314	TL	V	0.0	73	15	67	<1
315	TL	V	0.1	99	15	80	<1
316	TL	V	0.1	117	12	74	<1
317	TL	V	0.0	92	12	73	<1
318	TL	V	0.0	202	29	118	<1
319	TL	V	0.0	219	30	122	<1
320	TL	V	0.0	109	28	113	<1
321	TL	V	0.0	93	15	83	<1
322	TL	V	0.0	64	10	81	<1
323	TL	V	3.0	228	11	60	<1
324	TL	S	0.0	106	17	102	<1
325	TL	S	0.0	109	15	145	<1
326	TL	S	0.7	109	15	182	<1
327	TL	S	0.0	118	20	219	<1
328	TL	V	0.0	150	5	197	<1
329	TL	V	0.0	115	18	264	<1
330	TL	V	0.2	114	24	136	<1
331	TL	V	0.2	119	26	229	<1
332	TL	V	0.2	105	27	268	<1
333	TL	V	0.2	114	28	122	<1
334	TL	V	0.1	101	26	140	<1
335	TL	V	0.1	119	22	161	<1
336	TL	V	0.1	115	28	104	<1
337	TL	V	0.0	116	22	177	<1
338	GL	V	0.0	57	75	123	<1
339	GL	V	0.0	81	27	121	<1
340	GL	V	0.1	125	28	130	<1
341	GL	V	0.0	43	96	142	2
342	GL	V	0.2	51	235	200	5
343	GL	S	0.0	77	29	113	<1
344	GL	S	0.1	81	27	96	<1
345	GL	S	0.0	48	20	122	<1
346	GL	S	0.0	67	25	25	<1
347	GL	S	0.0	105	225	225	5
348	GL	S	0.0	28	23	112	<1
349	GL	S	0.0	12	19	98	<1
350	GL	S	0.1	18	19	86	<1
351	GL	S	0.1	32	17	97	<1
352	GL	S	0.4	77	133	153	2
353	GL	S	0.0	27	18	110	<1
354	GL	S	0.1	32	170	123	<1
355	GL	S	2.1	144	22	323	8
356	GL	S	0.5	84	139	260	17
357	GL	S	0.0	12	14	132	<1
358	GL	S	0.0	16	21	161	<1
359	GL	S	0.6	85	139	211	5
360	GL	S	0.0	11	22	201	4
361	GL	G	0.5	210	300	236	<1
362	GL	G	0.3	8	21	127	<1
363	GL	G	1.5	174	325	242	9
364	GL	G	0.8	34	104	155	4
365	GL	G	0.1	31	70	107	1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
366	GL	G	0.0	17	18	84	<1
367	GL	G	0.0	17	13	99	<1
368	GL	G	0.1	31	190	136	1
369	GL	G	0.1	18	18	114	<1
370	GL	G	0.1	11	16	88	<1
371	GL	G	0.1	17	17	117	<1
372	GL	G	0.1	35	79	117	3
373	GL	G	0.1	17	20	102	<1
374	GL	G	0.1	43	85	120	1
375	GL	G	0.1	43	117	131	2
376	GL	G	0.2	17	21	136	<1
377	GL	G	0.1	23	18	106	<1
378	GL	G	0.1	22	18	123	1
379	GL	G	0.1	18	19	104	<1
380	GL	G	0.2	105	155	267	4
381	GL	G	0.3	14	17	87	<1
382	GL	V	0.0	137	17	117	<1
383	GL	V	0.0	142	20	114	<1
384	GL	V	0.1	102	20	133	<1
385	GL	V	0.0	102	17	140	<1
386	GL	V	0.0	136	19	136	<1
387	GL	V	0.0	108	21	108	<1
388	GL	V	0.0	146	19	101	<1
389	GL	V	0.3	89	19	178	<1
390	GL	V	0.1	130	20	103	<1
391	GL	V	0.0	75	14	99	<1
392	GL	V	0.0	72	11	80	<1
393	GL	V	0.0	82	14	104	<1
394	GL	V	0.0	80	17	170	<1
395	GL	V	0.0	91	25	256	<1
396	GL	V	0.1	72	17	117	<1
397	GL	V	0.0	89	14	126	<1
398	GL	V	0.0	94	17	160	<1
399	GL	V	0.3	108	14	133	<1
400	GL	V	0.0	92	17	129	<1
401	TL	V	0.1	90	10	106	<1
402	TL	V	0.0	133	15	109	<1
403	TL	V	0.0	105	55	199	<1
404	TL	V	0.0	115	14	106	<1
405	TL	V	0.0	110	15	112	<1
406	TL	V	0.0	124	17	106	<1
407	TL	V	0.0	99	11	106	<1
408	TL	V	0.0	89	12	106	<1
409	TL	V	0.0	134	13	106	<1
410	TL	V	0.0	139	11	101	<1
411	TL	V	0.0	168	10	104	<1
412	TL	V	0.0	149	5	106	<1
413	TL	V	0.0	139	17	122	2
416	TL	V	0.0	53	18	106	<1
417	TL	V	0.0	19	10	106	<1
418	TL	V	0.0	83	5	119	<1
419	TL	V	0.0	79	12	109	<1
420	TL	V	0.0	130	5	113	<1
421	TL	V	0.0	79	14	124	<1
422	TL	V	0.0	119	20	96	<1
423	TL	V	0.0	116	5	87	<1
424	TL	V	0.0	80	14	111	<1
425	TL	V	0.0	59	5	68	<1
426	TL	V	0.0	93	5	72	<1
427	TL	V	0.0	104	13	106	<1
428	TL	V	0.0	98	14	104	<1
429	TL	V	0.0	110	15	106	<1
430	TL	V	0.0	123	10	106	<1
431A	RM	V	0.0	100	5	116	<1
431B	TL	V	0.0	69	14	140	<1
432A	RM	V	0.0	27	14	92	<1
432B	TL	V	0.0	73	5	130	<1
433A	RM	V	0.0	19	24	104	<1
433B	TL	V	0.0	80	5	132	<1
434	RM	V	0.0	11	31	114	<1
435	RM	V	0.0	79	11	145	<1
436	RM	V	0.0	104	17	104	<1
437	RM	V	0.0	83	5	168	<1
438	RM	V	0.0	52	5	114	<1
439	RM	V	0.0	98	13	114	<1
440	RM	V	0.0	66	5	118	<1
441	RM	V	0.0	86	5	111	<1
442	RM	V	0.0	57	11	126	<1
444	RM	V	0.0	58	5	121	<1
445	RM	V	0.0	41	5	124	<1
446	RM	V	0.0	58	5	131	<1
447	RM	V	0.0	90	5	124	<1
448	RM	V	0.0	33	16	173	<1
449	RM	V	0.0	74	5	128	<1
450	TL	V	0.1	90	18	145	5
451	RM	V	0.0	74	13	138	<1
452	RM	V	0.0	62	5	131	<1
453	RM	V	0.0	66	5	147	<1
454	RM	V	0.0	66	11	147	<1
455	RM	V	0.0	67	13	135	<1
456	RM	V	0.0	66	5	133	<1
457	RM	V	0.0	79	13	119	<1
458	RM	V	0.0	79	11	125	<1
459	RM	V	0.0	67	11	140	<1
460	RM	V	0.0	66	13	161	<1
461	TL	G	0.0	43	20	148	1
462	TL	G	0.0	20	13	120	<1
463	TL	G	0.0	15	5	172	<1
464	TL	G	0.0	34	5	169	1
465	TL	G	0.0	25	11	119	<1
466	TL	G	0.0	23	11	154	<1
467	TL	G	0.0	28	5	148	<1
468	TL	G	0.0	24	12	197	<1
469	TL	G	0.0	29	5	135	1
470	TL	G	0.0	99	27	219	3
471	TL	G	0.0	83	18	188	3
472	TL	G	0.5	80	14	210	3
473	TL	G	0.5	80	14	267	3
474	TL	G	4.4	80	22	300	4
475	RM	V	0.0	23	22	131	<1
476	RM	V	0.0	65	12	226	<1
477	RM	V	0.0	61	20	305	<1
478	RM	V	0.0	36	12	156	<1
479	RM	V	0.2	60	14	388	<1
480A	RM	V	0.0	87	17	268	<1
480B	RM	V	0.0	58	5	138	<1
481	TL	G	0.1	8	12	125	<1
482	TL	G	0.0	5	12	78	<1
483	TL	G	0.0	13	13	97	<1
484	TL	G	0.0	9	5	101	<1
485	TL	G	0.0	14	16	114	<1
486	TL	G	0.0	9	5	112	<1
487	TL	G	0.0	10	5	88	<1
488	TL	G	0.0	14	5	96	<1
489	TL	G	0.1	13	11	101	<1
490	TL	G	0.0	14	14	107	<1
491	TL	G	1.8	118	109	368	<1
492	TL	G	0.8	140	94	351	<1
493	TL	G	0.2	103	94	316	<1
494	TL	G	0.6	114	99	368	<1
495	TL	G	1.3	129	108	368	1
496	TL	G	0.1	99	100	350	2
497	TL	G	1.6	124	129	371	2
498	TL	G	1.2	145	139	377	<1
499	TL	G	0.2	148	108	390	<1
500	TL	G	0.2	94	84	359	<1
501	TL	G	0.0	10	5	103	<1
502	TL	G	0.0	9	14	125	<1
503	TL	G	0.0	9	12	104	<1
504	TL	G	0.0	10	5	145	<1
505	TL	G	0.0	33	12	300	<1
506	TL	G	0.0	10	10	133	<1
507	TL	G	0.0	19	11	167	<1
508	RM	V	0.0	69	11	133	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
509	RM	V	0.0	52	11	131	<1
510	RM	V	0.0	58	5	126	<1
512	RM	V	0.0	61	11	168	<1
513	RM	V	0.0	74	11	258	<1
514	RM	V	0.0	78	5	246	<1
515	RM	V	0.1	87	5	180	<1
516	RM	V	0.0	83	14	312	<1
517	RM	V	0.0	70	13	182	<1
518	RM	V	0.0	69	13	205	<1
519	RM	V	0.0	99	16	113	<1
520	RM	V	0.0	99	11	269	<1
521	TL	G	0.0	95	21	133	4
522	TL	G	0.0	95	13	142	4
523	TL	G	0.0	103	23	134	5
524	TL	G	0.0	94	24	119	4
525	TL	G	0.3	100	14	125	3
526	TL	G	0.0	79	14	127	4
527	TL	G	0.0	85	16	135	4
528	TL	G	0.0	89	5	132	6
529	TL	G	0.0	90	14	130	4
534	TL	G	0.0	104	5	104	4
535	TL	G	0.0	124	5	114	2
536	TL	G	0.0	89	5	96	<1
537	TL	G	0.0	129	10	127	2
538	TL	G	0.0	114	5	112	2
539	TL	G	0.0	79	5	96	<1
540	TL	G	0.0	19	5	91	<1
541	TL	G	0.0	10	14	96	<1
542	TL	G	0.0	25	5	99	<1
543	TL	G	0.0	24	5	96	<1
551	TL	G	0.0	31	32	129	<1
552	TL	G	0.0	30	38	127	<1
553	TL	G	0.0	34	31	135	<1
554	TL	G	0.0	25	35	127	<1
555	TL	G	0.0	35	31	144	4
556	TL	G	0.0	21	39	115	<1
557	TL	G	0.0	19	33	129	1
558	TL	G	0.0	19	32	208	<1
559	TL	G	0.0	25	33	126	<1
560	TL	G	0.1	19	26	177	<1
561	TL	G	0.0	15	26	160	<1
562	TL	G	0.0	20	36	148	<1
563	TL	G	0.0	20	31	138	<1
564	TL	G	0.0	19	31	117	<1
565	TL	G	0.0	20	32	148	<1
566	TL	G	0.0	66	27	138	<1
567	TL	G	0.0	44	28	117	<1
568	TL	G	0.0	29	30	148	<1
569	TL	G	0.3	24	24	135	<1
570	TL	G	0.3	24	29	213	<1
571	TL	G	0.4	34	25	177	1
572	TL	G	0.2	50	32	142	<1
573	TL	G	0.1	228	178	429	<1
574	TL	G	0.1	338	60	127	1
575	TL	G	0.0	102	27	158	<1
576	TL	G	0.0	112	27	153	<1
577	TL	G	0.0	54	23	382	<1
578	TL	G	0.0	55	26	273	<1
579	TL	G	0.0	96	23	135	<1
580	TL	G	0.0	90	27	253	<1
581	TL	G	0.0	24	29	159	<1
582	TL	G	0.0	24	25	166	<1
583	TL	G	0.0	29	32	144	<1
584	TL	G	0.0	29	30	240	<1
585	TL	G	0.0	55	27	127	<1
586	TL	G	0.5	30	27	126	<1
587	TL	G	0.0	34	17	112	4
588	TL	G	0.0	34	31	139	<1
589	TL	G	0.0	25	10	132	<1
590	TL	G	0.0	34	38	160	<1
591	TL	G	0.0	40	5	103	1
592	TL	G	0.0	36	28	192	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
593	TL	G	0.4	31	18	208	<1
594	TL	G	0.0	25	53	233	<1
595	TL	G	0.0	107	114	244	1
596	TL	G	0.0	25	33	127	<1
597	TL	G	0.0	14	18	210	<1
598	TL	G	0.0	24	30	108	1
599	TL	G	0.0	19	19	177	1
600	TL	G	0.0	29	34	180	1
604	TL	V	0.0	117	12	214	<1
606	TL	V	0.0	135	10	263	1
611	TL	V	0.0	80	5	315	<1
615	VG	V	0.0	698	12	183	<1
618	VG	V	0.0	184	18	263	4
621	VG	S	0.0	99	5	97	< 1
623	VG	S	0.0	98	15	106	< 1
624	VG	S	0.0	70	5	118	4
627	VG	V	0.0	109	15	122	< 1
630	VG	S	10.5	176	18	185	< 1
632	VG	S	0.6	113	15	131	< 1
635	VG	V	0.1	146	15	108	< 1
639	VG	S	1.5	71	12	143	1
642	VG	S	0.1	60	21	162	< 1
645	VG	S	0.0	61	5	134	1
646	VG	S	0.0	14	23	173	< 1
648	VG	G	0.0	8	5	119	< 1
651	VG	G	0.0	18	15	124	< 1
653	VG	G	0.0	13	18	106	< 1
654	VG	G	0.0	14	5	121	< 1
656	VG	S	0.0	66	5	83	< 1
657	VG	S	0.0	37	18	210	< 1
658	VG	S	0.0	27	12	173	< 1
659	VG	S	0.0	65	15	217	< 1
660	VG	S	0.0	46	17	158	< 1
667	VG	S	0.0	28	15	120	< 1
668	VG	V	0.0	104	5	149	2
669	VG	S	0.0	46	5	195	< 1
670	VG	S	0.0	32	15	144	2
673	VG	V	0.0	136	5	73	2
676	VG	S	0.0	36	5	240	< 1
677	VG	S	1.3	28	18	58	< 1
681	GL	V	0.0	81	5	131	2
683	GL	V	0.0	112	12	131	< 1
684	GL	V	0.0	95	15	156	< 1
685	GL	V	0.0	80	10	185	< 1
686	GL	V	0.0	112	18	302	< 1
687	GL	V	0.0	46	21	275	< 1
688	GL	V	0.0	55	10	198	< 1
689	GL	V	0.0	51	10	280	< 1
690	GL	V	0.0	80	12	164	< 1
691	GL	V	0.0	13	10	128	< 1
693	GL	V	0.0	94	18	187	< 1
694	GL	V	0.0	108	18	255	< 1
695	GL	V	0.0	84	5	131	< 1
697	GL	V	0.0	137	5	157	< 1
698	GL	V	0.0	81	12	194	< 1
699	GL	V	0.0	114	15	250	< 1
700	GL	V	0.0	108	12	211	< 1
701	GL	V	0.0	86	26	198	< 1
702	GL	V	0.0	100	15	147	< 1
703	GL	V	0.0	98	15	173	< 1
704	GL	V	6.3	66	5	164	< 1
705	GL	V	0.7	123	18	163	< 1
706	GL	V	0.2	82	17	136	< 1
707	GL	V	0.1	108	22	162	< 1
708	GL	V	0.0	102	26	126	< 1
709	GL	V	0.0	86	23	154	< 1
710	GL	V	0.0	114	13	142	< 1
711	GL	V	0.0	14	14	103	< 1
712	GL	V	0.0	58	21	162	< 1
713	GL	V	0.0	126	13	138	< 1
714	GL	V	0.0	105	12	134	< 1
715	GL	V	0.0	170	10	101	< 1

Sample Number	Locality	Geology	Assay Value (ppm) Au	Cu	Pb	Zn	Mo
716	GL	V	0.0	111	12	138	<1
717	GL	V	0.0	86	22	194	<1
718	GL	V	0.0	133	17	154	<1
719	GL	V	0.0	70	24	185	<1
720	GL	V	0.0	73	16	159	<1
721	GL	V	0.0	70	17	177	<1
722	GL	V	0.0	62	11	98	<1
723	GL	V	0.0	64	8	105	<1
724	GL	V	0.0	55	14	162	<1
725	GL	V	0.0	68	14	128	<1
726	GL	V	0.0	66	14	126	<1
727	GL	V	0.0	64	14	135	<1
728	GL	V	0.0	55	14	203	<1
729	GL	V	0.0	61	14	143	<1
730	GL	V	0.0	60	11	126	<1
731	GL	V	0.0	81	14	129	<1
732	GL	V	0.0	107	14	78	<1
733	GL	V	0.0	66	8	109	<1
734	GL	V	0.0	64	20	99	<1
735	GL	V	0.0	74	25	91	<1
736	GL	V	0.0	69	25	90	<1
737	GL	V	0.0	49	20	108	<1
738	GL	V	0.0	55	20	142	<1
739	GL	V	0.0	94	20	157	<1
740	GL	V	0.0	54	14	124	<1
741	GL	V	0.0	84	14	73	<1
742	GL	V	0.0	89	17	159	<1
743	GL	V	0.0	68	19	191	<1
744	GL	V	0.0	52	21	162	<1
745	GL	V	0.0	126	22	188	<1
746	GL	V	0.0	102	22	186	<1
747	GL	V	0.0	118	16	143	<1
748	GL	V	0.0	124	17	145	<1
749	GL	V	0.0	80	19	238	<1
750	GL	V	0.0	61	19	191	<1
751	GL	V	0.0	102	15	199	<1
752	GL	V	0.0	52	26	165	<1
753	GL	V	0.0	41	17	147	<1
754	GL	V	0.0	54	19	167	<1
755	GL	V	0.0	58	5	170	<1
756	GL	V	0.0	165	17	258	<1
757	GL	V	0.0	55	18	173	<1
758	GL	V	0.0	49	19	201	<1
759	GL	V	0.0	70	19	206	1
760	GL	V	0.0	89	16	142	<1
761	GL	V	0.0	67	17	228	<1
762	GL	V	0.0	67	12	173	<1
763	GL	V	0.0	64	18	199	<1
764	GL	V	0.0	26	13	113	<1
765	GL	V	0.0	57	23	330	<1
766	GL	V	0.0	45	22	202	<1
767	GL	V	0.0	51	18	255	<1
768	GL	V	0.0	126	26	96	<1
769	GL	V	0.0	73	17	126	2
770	GL	V	0.0	83	19	177	3
771	GL	V	0.0	64	13	160	<1
772	GL	V	0.0	67	22	128	1
773	GL	V	0.0	55	38	250	<1
774	GL	V	0.0	68	38	164	1
775	GL	V	0.0	42	19	128	<1
776	GL	V	0.0	52	36	148	2
777	GL	V	0.0	95	43	217	<1
778	GL	V	0.0	67	34	181	1
779	GL	V	0.0	67	29	146	1
780	GL	V	0.0	17	16	121	<1
781	GL	V	0.0	129	17	180	<1
782	GL	V	0.0	74	24	161	<1
783	GL	V	0.0	101	18	183	<1
784	GL	V	0.0	86	17	148	<1
785	GL	V	0.0	73	16	123	<1
786	GL	V	0.0	82	18	138	<1
787	GL	V	0.0	86	13	164	<1

Sample Number	Locality	Geology	Assay Value (ppm) Au	Cu	Pb	Zn	Mo
788	GL	V	0.0	55	60	225	1
789	GL	V	0.0	79	16	161	<1
790	GL	V	0.0	99	19	143	<1
791	GL	V	0.0	42	23	114	<1
792	GL	V	0.0	32	18	182	<1
793	GL	V	0.0	36	17	113	<1
794	GL	V	0.0	45	10	124	<1
795	GL	V	0.0	61	44	141	<1
796	GL	V	0.0	65	45	140	<1
797	GL	V	0.0	64	54	170	<1
798	GL	V	0.0	136	45	190	<1
799	GL	V	0.0	149	49	193	<1
800	GL	V	0.1	150	48	182	<1
801	BL	V	0.0	258	23	228	1
802	BL	V	0.0	231	35	172	<1
803	BL	V	0.0	206	23	188	<1
804	BL	V	0.0	89	21	172	<1
805	BL	V	0.0	32	15	123	<1
806	BL	V	0.2	382	24	295	2
807	BL	V	0.0	379	22	214	2
808	BL	V	0.0	285	17	210	2
809	BL	V	0.0	102	24	183	<1
810	BL	V	0.0	77	27	207	<1
811	BL	V	0.0	82	26	244	<1
812	BL	V	0.0	114	18	164	<1
813	BL	V	0.0	83	26	244	<1
814	BL	V	0.0	80	17	182	<1
815	BL	V	0.0	90	22	453	1
816	BL	V	0.1	101	31	264	<1
817	BL	V	0.0	107	52	246	<1
818	BL	V	0.0	101	33	255	<1
819	BL	V	0.0	71	32	156	<1
820	BL	V	0.0	70	28	159	<1
821	BL	V	0.0	106	29	189	<1
822	BL	V	0.0	106	33	267	<1
823	BL	V	0.0	116	31	162	<1
824	BL	V	0.0	117	29	207	<1
825	BL	V	0.0	116	24	148	<1
826	BL	V	0.0	82	34	190	<1
827	BL	V	0.0	64	29	171	<1
828	BL	V	0.0	102	28	198	<1
829	BL	V	0.0	116	29	171	<1
831	TL	G	0.0	19	27	124	<1
832	TL	G	0.0	20	24	123	<1
833	TL	G	0.0	21	27	118	<1
834	TL	G	0.0	25	43	127	<1
835	TL	G	0.0	126	106	402	<1
836	TL	G	0.0	21	25	142	<1
837	TL	G	0.0	25	31	154	<1
838	TL	G	0.0	31	43	129	<1
839	TL	G	0.0	21	23	136	<1
840	TL	G	0.0	21	27	142	<1
841	TL	G	0.0	25	35	136	<1
842	TL	G	0.0	19	26	148	<1
843	TL	G	0.0	29	31	109	<1
844	TL	G	0.0	24	21	145	<1
845	TL	G	0.0	24	31	129	<1
846	RM	G	0.0	50	13	130	<1
846	TL	V	0.0	30	33	109	<1
847	TL	G	0.0	24	25	114	<1
848	TL	G	0.0	24	28	165	<1
849	TL	G	0.0	25	27	102	<1
850	TL	G	0.0	40	45	111	<1
851	BL	G	0.4	79	5	328	<1
853	BL	V	0.0	194	5	240	<1
855	BL	V	0.3	320	13	145	2
859	BL	V	0.0	79	5	93	<1
864	BL	V	0.0	305	5	145	2
865	BL	V	0.0	506	5	88	4
867	BL	V	0.1	269	5	52	<1
868	BL	V	0.0	321	17	312	1
869	BL	V	0.0	220	14	252	3

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
870	BL	V	0.0	489	5	80	5
871	BL	V	0.0	58	5	104	<1
872	RM	V	0.0	104	11	295	<1
873	RM	V	0.0	87	14	212	<1
874	RM	V	0.0	90	5	417	<1
875	RM	V	0.0	115	13	273	<1
877	RM	V	0.0	49	16	107	<1
878	RM	V	0.0	56	5	109	<1
879	RM	V	0.0	49	12	114	<1
880	RM	V	0.0	66	13	104	<1
881	TL	G	0.1	133	120	315	<1
882	TL	G	0.0	103	103	310	<1
883	TL	G	0.0	86	120	324	<1
884	TL	G	0.4	98	105	263	<1
885	TL	G	0.0	112	124	259	<1
886	TL	G	0.8	127	133	320	<1
887	TL	G	6.5	107	143	336	<1
888	TL	G	0.2	96	96	291	<1
889	TL	G	1.0	87	87	268	<1
890	TL	G	3.2	91	139	327	<1
891	TL	G	0.0	62	22	170	2
892	TL	G	0.0	52	18	191	6
893	TL	G	0.0	10	5	124	1
894	TL	G	0.0	53	18	190	6
895	TL	G	0.0	10	11	106	1
896	TL	G	0.0	53	22	133	2
897	TL	G	0.0	15	16	154	2
898	TL	G	0.0	67	5	158	2
899	TL	G	0.0	52	16	202	5
900	TL	G	0.5	65	16	168	7
901	GL	V	0.0	110	20	128	<1
902	GL	V	0.0	114	18	115	<1
903	GL	V	0.0	117	18	131	<1
904	GL	V	0.0	139	20	148	<1
905	GL	V	0.0	75	20	153	<1
906	GL	V	0.0	55	20	117	<1
907	GL	V	0.0	88	29	125	<1
908	GL	V	0.0	70	14	144	<1
909	GL	V	0.0	93	27	129	<1
910	GL	V	0.0	110	18	94	<1
911	GL	V	0.0	68	14	111	<1
912	GL	V	0.0	151	11	118	<1
913	GL	V	0.0	110	23	118	<1
914	GL	V	0.0	139	20	120	<1
915	GL	V	0.0	126	25	138	<1
916	GL	V	0.0	29	23	108	<1
917	GL	V	0.0	93	20	117	<1
918	GL	V	0.0	93	16	115	<1
919	GL	V	0.0	122	23	142	<1
920	GL	V	0.0	119	11	83	<1
921	GL	V	0.0	110	16	119	<
922	GL	V	0.0	96	23	100	<1
923	GL	V	0.0	88	29	116	<1
924	GL	V	0.0	113	11	106	<1
925	GL	V	0.0	92	25	134	<1
926	GL	V	0.0	119	25	119	<1
927	GL	V	0.0	119	23	148	<1
928	GL	V	0.0	114	29	124	<1
929	GL	V	0.4	117	30	133	<1
930	GL	V	0.0	134	28	124	<1
931	GL	V	0.0	114	24	122	<1
932	GL	V	0.0	131	34	131	<1
933	GL	V	0.0	106	26	162	<1
934	GL	V	0.0	153	26	200	<1
935	GL	V	0.0	153	30	184	<1
936	GL	V	0.0	144	20	184	<1
937	GL	V	0.0	130	17	133	<1
938	GL	V	0.0	147	26	148	<1
939	GL	V	0.0	93	24	133	<1
940	GL	V	0.0	139	28	211	<1
941	GL	V	0.0	139	30	230	<1
942	GL	V	0.6	136	26	202	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
943	GL	V	0.0	147	34	142	<1
944	GL	V	0.0	152	24	144	<1
945	GL	V	0.0	28	24	78	<1
946	GL	V	0.0	97	30	107	<1
947	GL	V	0.0	62	28	111	<1
948	GL	V	0.0	140	17	200	<1
949	GL	V	0.0	72	15	144	<1
950	GL	V	0.0	59	11	142	<1
951	CR	G	0.0	53	5	116	1
952	TL	G	0.0	14	11	165	<1
953	TL	G	0.0	24	13	91	1
954	TL	G	3.0	31	13	117	<1
955	TL	G	0.0	30	15	153	1
956	TL	G	0.0	24	14	111	<1
957	TL	G	0.0	46	5	103	<1
958	TL	G	0.4	40	12	192	<1
959	TL	G	1.4	36	20	204	1
960	TL	G	0.	30	12	228	1
961	TL	G	0.1	13	24	133	1
962	TL	G	0.0	10	15	153	1
963	TL	G	0.0	34	37	153	2
964	TL	G	0.0	39	48	164	2
965	TL	G	0.0	34	32	188	1
966	TL	G	0.6	19	33	148	1
967	GL	V	0.0	86	38	255	<1
968	GL	V	0.0	74	15	127	<1
969	GL	V	0.0	86	22	135	<1
970	GL	V	0.0	65	20	153	<1
971	GL	V	0.0	80	24	189	<1
972	GL	V	0.0	86	32	174	<1
973	GL	V	0.0	66	32	289	<1
974	GL	V	0.0	65	31	213	<1
975	GL	V	0.0	50	17	339	<1
976	GL	V	0.0	35	13	85	<1
977	GL	V	0.0	55	15	237	1
978	GL	V	0.0	82	46	212	1
979	GL	V	0.0	63	18	194	1
980	GL	V	0.0	36	22	146	1
981	GL	V	0.0	33	11	185	<1
982	GL	V	0.0	92	22	201	<1
983	GL	V	0.0	105	13	180	<1
984	GL	V	0.0	138	5	192	<1
985	GL	V	0.0	122	11	185	<1
986	GL	V	0.0	126	5	160	<1
987	GL	V	0.0	110	5	131	<1
988	GL	V	0.0	139	13	178	<1
989	GL	V	0.0	109	14	162	<1
990	GL	V	0.0	131	17	177	<1
991	GL	V	0.0	131	5	177	<1
992	GL	V	0.0	114	5	83	<1
993	GL	V	0.0	199	18	258	<1
994	GL	V	0.0	113	13	198	<1
995	GL	V	0.0	93	14	157	<1
996	GL	V	0.0	97	5	166	<1
997	GL	V	0.0	100	11	142	<1
998	GL	V	0.0	105	22	205	<1
999	GL	V	0.0	101	23	185	<1
1000	GL	V	0.0	58	11	125	<1
1001	CR	V	0.0	112	26	180	<1
1003	CR	V	0.0	102	21	177	<1
1004	CR	V	0.0	92	24	199	<1
1005	CR	V	0.0	93	24	214	<1
1006	CR	V	1.8	99	21	133	<1
1007	CR	V	0.0	92	21	143	<1
1008	CR	V	0.0	116	18	115	<1
1009	CR	V	0.0	116	24	145	<1
1010	CR	V	0.0	85	18	123	<1
1011	CR	V	0.0	50	13	107	<1
1012	CR	V	0.0	119	18	123	<1
1013	CR	V	0.0	84	16	120	<1
1016	CR	V	0.0	111	18	202	<1
1017	CR	V	0.0	87	21	357	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
1018	CR	V	0.0	89	18	272	<1
1019	CR	V	0.0	80	18	301	<1
1020	CR	V	0.0	233	13	108	<1
1021	CR	V	0.0	104	18	193	<1
1022	CR	V	0.0	113	18	194	<1
1023	CR	V	0.0	72	5	50	<1
1024	CR	V	0.0	155	42	193	<1
1025	CR	V	0.0	83	18	111	<1
1027	CR	V	0.3	84	16	301	<1
1028	CR	V	0.0	63	5	46	<1
1029	CR	V	1.7	57	5	34	<1
1031	CR	V	0.0	100	16	242	<1
1032	CR	V	0.0	109	16	191	<1
1033	CR	V	1.4	85	11	95	<1
1036	CR	V	0.2	519	82	147	<1
1037	CR	V	0.0	42	8	91	<1
1038	CR	V	0.0	67	16	170	<1
1039	CR	V	0.2	40	13	146	<1
1040	CR	V	0.0	52	16	110	<1
1041	CR	V	0.0	97	16	85	<1
1042	CR	V	0.0	87	16	103	<1
1044	CR	V	0.0	79	13	76	<1
1045	CR	V	0.0	90	13	87	<1
1046	CR	V	0.0	99	16	107	<1
1047	CR	V	0.0	90	13	129	<1
1048	CR	V	0.0	123	16	109	<1
1049	CR	V	0.0	35	8	67	<1
1050	CR	V	0.0	57	11	154	<1
1052	CR	S	0.0	24	11	79	<1
1055	CR	G	0.4	31	5	63	1
1056	CR	G	0.4	23	8	99	1
1057	CR	G	0.0	34	8	122	<1
1058	CR	G	0.2	11	8	59	<1
1059	CR	G	0.0	38	8	142	1
1061	CR	S	0.0	62	14	159	<1
1062	CR	S	1.2	75	8	102	<1
1063	CR	V	2.2	40	5	146	<1
1064	CR	S	3.1	37	8	244	<1
1065	CR	S	1.8	50	14	122	<1
1066	CR	S	1.0	37	8	148	<1
1067	CR	S	0.0	31	5	103	1
1068	CR	S	0.0	24	5	75	<1
1069	CR	S	0.8	32	8	169	<1
1070	CR	S	2.7	31	8	163	1
1071	CR	S	0.0	29	5	200	<1
1072	CR	S	0.4	17	8	146	<1
1073	CR	S	0.2	50	8	185	<1
1074	CR	S	0.3	11	5	155	<1
1077	CR	S	0.0	26	8	122	<1
1078	CR	S	0.1	19	5	158	<1
1079	CR	S	0.0	24	8	118	<1
1080	CR	S	2.5	34	8	164	<1
1081	CR	S	0.0	39	11	127	<1
1082	CR	S	12.6	44	27	240	<1
1087	CR	S	0.3	63	14	162	<1
1088	CR	S	0.0	188	19	129	2
1089	CR	S	0.0	18	8	145	<1
1091	CR	S	3.7	30	62	331	<1
1092	CR	S	0.7	39	62	203	<1
1093	CR	S	2.3	43	65	176	<1
1094	CR	S	3.9	21	41	439	<1
1095	CR	S	4.1	37	82	310	<1
1096	CR	S	0.8	27	11	287	<1
1097	CR	S	0.2	27	5	233	<1
1098	CR	S	5.2	17	8	354	<1
1099	CR	S	8.4	20	14	326	<1
1100	CR	S	0.7	30	8	152	<1
1101	CR	S	1.1	39	5	163	<1
1102	CR	S	8.3	25	14	363	<1
1103	CR	S	0.2	43	8	184	1
1105	CR	S	0.1	38	11	153	1
1106	CR	S	0.0	36	14	169	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
1107	CR	S	0.0	37	14	186	<1
1108	CR	S	0.0	42	8	78	<1
1109	CR	S	1.0	37	19	179	<1
1110	CR	S	0.0	28	5	80	<1
1111	CR	S	0.1	47	14	118	<1
1112	CR	S	1.4	47	8	83	<1
1113	CR	S	0.0	49	11	84	<1
1114	GB	V	0.0	56	19	101	<1
1115	GB	V	0.0	48	16	111	<1
1116	GB	V	0.0	50	14	91	<1
1117	GB	V	0.0	60	14	89	<1
1118	GB	V	0.1	20	8	114	<1
1119	GB	G	0.0	35	8	73	<1
1120	GB	S	0.0	44	11	79	<1
1121	GB	S	0.0	50	11	86	<1
1123	GB	S	0.0	68	16	73	<1
1124	GB	S	0.0	52	11	80	<1
1131	GL	V	0.6	62	130	123	2
1132	GL	V	1.4	62	117	112	1
1133	GL	V	0.5	61	163	164	1
1134	GL	V	2.4	56	43	112	<1
1135	GL	V	0.6	59	84	88	1
1136	GL	V	0.0	79	16	105	<1
1137	GL	V	0.8	60	111	93	1
1138	GL	V	3.2	73	141	135	1
1139	GL	V	0.0	59	16	129	<1
1140	GL	V	0.0	30	8	118	1
1141	GL	V	0.4	62	101	91	<1
1142	GL	V	0.6	54	84	95	<1
1143	GL	V	0.0	79	16	143	<1
1144	GL	V	0.7	56	109	88	1
1145	GL	V	2.8	51	139	179	2
1146	GL	V	0.0	58	11	112	1
1147	GL	V	0.0	56	14	83	<1
1148	GL	V	0.0	67	14	83	<1
1149	GL	V	0.0	49	11	98	<1
1150	GL	V	0.0	49	14	89	<1
1151	GL	V	0.0	37	5	61	<1
1152	GL	V	0.3	50	79	85	<1
1153	GL	V	0.4	61	95	82	2
1154	GL	V	0.1	69	16	92	<1
1155	GL	V	0.7	59	65	73	<1
1156	GL	V	2.2	46	182	149	3
1157	GL	V	0.1	63	62	132	2
1158	GL	V	0.6	63	117	83	2
1159	GL	V	0.7	63	160	103	<1
1160	GL	V	0.2	98	43	130	<1
1161	GL	V	9.4	59	296	170	3
1162	GL	V	0.4	58	106	75	1
1163	GL	V	0.0	49	11	73	<1
1164	GL	V	0.0	48	8	62	<1
1165	GL	V	0.3	56	82	80	2
1166	GL	V	0.0	6	5	48	1
1167	GL	V	0.8	100	17	79	<1
1168	GL	V	0.6	86	19	88	<1
1169	GL	V	1.3	77	18	138	<1
1170	GL	V	0.6	84	20	136	3
1171	GL	V	0.1	88	15	81	<1
1172	GL	V	0.2	95	17	67	1
1173	GL	V	0.2	65	16	107	<1
1174	GL	V	0.2	80	15	119	<1
1175	GL	V	0.2	122	17	101	<1
1176	GL	V	0.1	73	15	105	1
1177	GL	V	0.0	123	12	94	<1
1178	GL	V	0.0	125	15	96	<1
1179	GL	V	0.0	123	12	99	<1
1180	GL	V	0.0	48	6	66	<1
1181	GL	V	0.2	107	12	91	<1
1182	GL	V	2.2	108	19	94	<1
1183	GL	V	0.2	108	15	97	<1
1184	GL	V	0.0	36	6	92	<1
1185	GL	V	0.0	6	6	80	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
1186	GL	V	0.0	6	6	50	<1
1187	GL	V	0.0	36	9	76	<1
1188	GL	V	0.0	56	12	90	<1
1189	GL	V	0.0	55	15	102	<1
1190	GL	V	0.0	43	9	102	<1
1191	GL	V	0.0	34	12	80	<1
1192	GL	V	0.0	12	6	99	<1
1193	GL	V	0.0	5	3	132	1
1194	GL	V	0.0	53	15	207	1
1195	GL	V	0.0	50	9	85	<1
1196	GL	V	0.0	112	19	89	<1
1197	GL	V	0.0	54	9	77	<1
1198	GL	V	0.0	37	9	61	<1
1199	GL	V	0.0	25	9	67	1
1200	GL	V	0.0	5	3	31	<1
1301	GL	V	0.0	82	5	85	<1
1302	GL	V	0.0	101	5	142	<1
1303	GL	V	0.0	194	5	118	<1
1304	GL	V	0.0	77	12	138	<1
1305	GL	V	0.0	150	12	110	1
1306	GL	V	0.0	101	14	186	<1
1307	GL	V	0.0	110	12	118	<1
1308	GL	V	0.0	87	12	103	<1
1309	GL	V	0.0	90	14	92	<1
1310	GL	V	0.0	62	11	120	<1
1311	GL	V	0.0	103	16	120	<1
1312	GL	V	0.0	98	18	135	<1
1313	GL	V	0.0	101	17	105	<1
1314	GL	V	0.2	111	10	110	<1
1315	GL	V	0.0	99	5	99	<1
1316	GL	V	0.0	38	15	104	<1
1317	GL	V	0.0	57	11	108	<1
1318	GL	V	0.0	58	12	137	<1
1319	GL	V	0.0	99	5	114	<1
1320	GL	V	0.2	120	5	135	<1
1321	GL	V	0.0	68	5	123	<1
1322	GL	V	0.0	14	13	93	<1
1323	GL	V	0.0	28	15	121	<1
1324	GL	V	0.0	85	15	112	<1
1325	GL	V	0.0	33	19	95	<1
1326	GL	V	0.0	90	14	107	<1
1327	LG	V	0.0	47	14	115	<1
1328	GL	V	0.0	63	16	100	1
1329	GL	V	0.0	103	10	105	1
1330	GL	V	0.0	90	19	137	
1332	GL	V	0.0	123	11	204	<1
1333	GL	V	0.0	101	5	105	1
1335	GL	V	0.0	139	5	143	<1
1336	GL	V	0.0	186	5	130	<1
1337	GL	V	0.0	90	13	87	<1
1338	GL	V	0.0	119	10	93	<1
1339	GL	V	0.0	98	10	90	<1
1340	GL	V	0.0	115	35	135	1
1341	GL	V	0.0	120	10	107	1
1342	GL	V	0.0	57	44	125	1
1343	GL	V	0.0	152	12	204	<1
1344	GL	V	0.0	58	15	125	<1
1345	GL	V	0.0	180	13	140	<1
1346	GL	V	0.0	98	15	113	<1
1351	CR	V	0.0	34	10	246	<1
1352	CR	V	0.0	55	15	329	<1
1353	CR	V	0.0	62	14	261	<1
1354	CR	S	0.0	82	13	323	1
1355	CR	S	0.0	88	18	231	<1
1356	CR	S	0.4	82	13	329	1
1357	CR	S	0.0	257	14	355	1
1358	CR	S	0.0	166	21	308	1
1359	CR	S	0.0	230	12	312	3
1360	CR	S	0.1	260	19	262	6
1361	CR	S	0.0	273	10	200	2
1362	CR	V	0.0	233	16	208	1
1363	CR	V	0.0	22	10	231	2

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
1364	CR	S	0.0	391	5	153	1
1365	CR	S	0.0	153	18	156	<1
1366	PL	S	0.0	77	22	146	<1
1367	PL	S	0.0	92	19	341	<1
1368	PL	S	0.0	93	18	296	<1
1369	PL	S	0.0	142	17	340	<1
1370	PL	S	0.0	164	15	323	<1
1371	PL	S	0.0	152	16	348	<1
1372	PL	V	0.0	126	11	91	<1
1373	PL	V	0.1	82	21	400	<1
1374	PL	V	0.1	76	14	402	<1
1375	PL	V	0.0	81	21	189	<1
1376	PL	V	0.1	82	17	436	<1
1377	PL	V	0.0	125	14	332	<1
1378	PL	V	0.1	194	17	425	1
1379	PL	V	0.1	66	23	137	<1
1380	PL	V	0.0	69	22	84	<1
1381	PL	V	0.0	90	16	142	<1
1382	PL	V	0.0	70	22	90	<1
1383	PL	V	0.0	58	24	108	<1
1384	PL	V	0.0	71	21	90	<1
1385	PL	V	0.0	79	29	120	<1
1386	PL	V	0.0	71	23	290	<1
1387	PL	V	0.0	60	15	368	<1
1401	RM	V	0.0	53	5	97	<1
1402	RM	V	0.0	56	11	135	<1
1403	RM	V	0.0	95	5	145	<1
1404	RM	V	0.0	57	18	188	<1
1405	RM	V	0.0	66	16	217	<1
1407	RM	V	0.0	32	5	166	<1
1408	RM	V	0.0	48	5	181	<1
1409	RM	V	0.0	52	37	236	<1
1410	RM	V	0.0	48	18	106	<1
1411	RM	V	0.0	45	5	109	<1
1412	RM	V	0.0	45	5	119	<1
1413	RM	V	0.0	49	13	126	<1
1414	RM	V	0.0	94	5	104	<1
1415	RM	V	0.0	103	11	100	<1
1416	RM	V	0.0	58	11	129	<1
1417	RM	V	0.0	95	13	101	<1
1418	RM	V	0.0	23	28	124	<1
1419	NM	V	0.0	12	35	102	<1
1420	NM	V	0.0	12	28	108	<1
1421	NM	V	0.0	129	24	265	<1
1422	NM	V	0.0	128	20	285	<1
1423	NM	V	0.0	74	17	362	<1
1424	NM	V	0.0	163	16	256	<1
1425	NM	V	0.0	154	5	268	<1
1426	NM	V	0.0	137	20	315	<1
1427	NM	V	0.0	155	14	276	<1
1428	NM	V	0.0	65	5	175	<1
1429	NM	V	0.0	67	18	186	<1
1430	NM	V	0.0	56	16	239	<1
1431	NM	V	0.0	52	16	283	<1
1432	NM	V	0.0	11	16	99	<1
1433	NM	V	0.0	65	5	121	<1
1434	NM	V	0.0	36	18	212	<1
1435	NM	V	0.0	74	14	268	<1
1436	NM	V	0.0	44	13	210	<1
1437	NM	V	0.0	37	15	224	<1
1438	NM	V	0.2	42	15	248	<1
1439	NM	V	0.0	37	5	194	<1
1440	NM	V	0.0	32	5	201	<1
1441	NM	V	0.0	38	12	211	<1
1442	NM	V	0.0	36	26	199	<1
1443	NM	V	0.0	47	18	161	<1
1444	NM	V	0.0	37	12	161	<1
1445	NM	V	0.0	65	12	161	<1
1446	NM	V	0.0	22	26	120	<1
1447	NM	V	0.0	60	5	235	<1
1448	NM	V	0.0	51	21	168	<1
1449	NM	V	0.0	51	5	161	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
1450	NM	V	0.0	52	5	179	<1
1451	NM	V	0.0	52	12	141	<1
1452	NM	V	0.0	52	21	143	<1
1453	NM	V	0.0	46	35	174	<1
1454	NM	V	0.0	9	15	94	<1
1455	NM	V	0.0	32	5	132	<1
1456	NM	V	0.0	28	29	141	<1
1457	NM	V	0.0	9	5	108	<1
1458	NM	V	0.0	33	15	113	<1
1459	NM	V	0.0	13	12	113	<1
1460	NM	V	0.0	9	5	106	<1
1461	NM	V	0.0	51	5	234	1
1462	NM	V	0.0	56	10	208	<1
1463	NM	V	0.0	55	15	207	<1
1464	NM	V	0.0	47	21	275	<1
1465	NM	V	0.0	55	5	348	<1
1466	NM	V	0.0	52	15	260	<1
1467	NM	V	0.0	51	12	219	<1
1468	NM	V	0.0	60	5	218	2
1469	NM	V	0.0	61	12	258	2
1470	NM	V	0.0	50	12	268	<1
1471	NM	V	0.0	65	21	168	1
1472	NM	V	0.0	71	15	182	<1
1473	NM	V	0.0	61	12	180	<1
1474	NM	V	4.0	70	15	187	<1
1475	NM	V	0.0	85	15	172	<1
1476	NM	V	0.0	70	15	186	<1
1477	NM	V	0.0	70	12	266	<1
1478	NM	V	0.0	64	21	197	<1
1479	NM	V	0.0	66	26	191	<1
1480	NM	V	0.0	60	12	228	<1
1481	NM	V	0.0	37	15	136	<1
1482	NM	V	0.0	36	5	126	<1
1483	NM	V	0.0	27	5	124	<1
1484	NM	V	0.0	18	10	117	<1
1485	NM	V	0.0	32	15	127	<1
1486	NM	V	0.0	37	12	173	<1
1487	NM	V	0.0	23	18	177	<1
1488	NM	V	0.0	27	21	162	<1
1489	NM	V	0.0	42	5	185	<1
1490	NM	V	0.0	41	23	166	<1
1491	NM	V	0.0	51	12	113	<1
1492	NM	V	0.0	42	12	127	<1
1493	NM	V	0.0	32	23	144	<1
1494	NM	V	0.0	27	21	157	<1
1501	GL	V	0.0	42	6	66	<1
1502	GL	V	0.0	102	17	71	<1
1503	GL	V	0.0	60	36	94	<1
1504	GL	V	0.0	62	28	86	<1
1505	GL	V	0.0	58	25	82	<1
1506	GL	V	0.0	51	34	93	<1
1507	GL	V	0.1	63	25	82	<1
1508	GL	V	0.0	88	8	67	<1
1509	GL	V	0.0	89	14	112	<1
1510	GL	V	0.0	85	14	88	<1
1511	GL	V	0.0	102	14	91	<1
1512	GL	V	0.0	59	11	140	<1
1513	GL	V	0.0	42	14	173	<1
1514	GL	V	0.0	35	14	131	<1
1515	GL	V	0.0	33	14	126	<1
1516	GL	V	0.0	15	14	71	<1
1517	GL	V	0.0	26	14	97	<1
1518	GL	V	0.0	32	14	134	<1
1519	GL	V	0.0	38	14	162	<1
1520	GL	V	0.0	25	14	94	<1
1521	GL	V	0.0	93	21	162	<1
1522	GL	V	0.0	95	13	130	<1
1523	GL	V	0.0	105	16	93	<1
1523	GL	V	0.0	63	16	133	<1
1525	GL	V	0.0	71	16	110	<1
1526	GL	V	0.0	69	16	139	<1
1527	GL	V	0.0	34	13	77	<1

Sample Number	Locality	Geology	Assay Value (ppm)				
			Au	Cu	Pb	Zn	Mo
1528	GL	V	0.0	26	16	120	<1
1529	GL	V	0.0	63	16	120	<1
1530	GL	V	0.0	27	11	67	<1
1531	GL	V	0.2	121	48	204	<1
1532	GL	V	0.1	123	54	201	<1
1533	GL	V	0.1	83	52	177	<1
1534	GL	V	0.0	89	45	186	<1
1535	GL	V	0.0	111	38	140	<1
1536	GL	V	0.0	83	48	118	<1
1537	GL	V	0.0	82	52	159	<1
1538	GL	V	0.0	77	53	215	<1
1540	GL	V	0.0	64	55	188	<1
1541	GL	V	0.0	74	48	196	<1
1542	GL	V	0.0	79	49	190	<1
1543	GL	V	0.0	73	53	230	<1
1544	GL	V	0.0	86	54	231	<1
1545	GL	V	0.0	76	52	228	<1
1546	GL	V	0.0	77	50	265	<1
1547	GL	V	0.0	79	52	233	<1
1548	GL	V	0.0	71	48	215	<1
1549	GL	V	0.0	83	52	209	<1
1550	GL	V	0.0	79	5	143	<1
1551	GL	V	0.0	89	12	204	<1
1552	GL	V	0.0	67	16	153	<1
1553	GL	V	0.0	51	19	250	<1
1554	GL	V	0.0	55	22	218	<1
1601	GL	V	0.0	59	5	120	<1
1602	GL	V	0.1	63	11	91	<1
1603	GL	V	0.0	80	34	107	<1
1604	GL	V	0.3	97	16	122	<1
1605	GL	V	0.0	85	22	112	<1
1606	GL	V	0.0	25	20	77	<1
1607	GL	V	0.0	84	22	114	<1
1608	GL	V	0.0	96	24	124	<1
1609	GL	V	0.0	28	17	86	<1
1610	GL	V	0.0	79	15	90	<1
1611	GL	V	0.0	137	16	135	<1
1612	GL	V	0.0	145	16	148	<1
1613	GL	V	0.0	80	24	154	<1
1614	GL	V	0.0	121	13	138	<1
1615	GL	V	0.0	136	13	146	<1
1616	GL	V	0.0	20	13	85	<1
1617	GL	V	0.0	30	5	93	<1
1618	GL	V	0.0	130	20	295	<1
1619	GL	V	0.0	133	20	148	<1
1620	GL	V	0.0	150	24	152	<1
1621	GL	V	0.0	132	36	282	<1
1622	GL	V	0.0	93	17	89	<1
1623	GL	V	0.0	124	22	138	<1
1624	GL	V	0.0	108	22	95	<1
1625	GL	V	0.0	161	13	122	<1
1626	GL	V	0.0	59	36	107	<1
1627	GL	V	0.0	137	36	142	<1
1628	GL	V	0.0	178	28	118	<1
1629	GL	V	0.0	80	5	124	<1
1630	GL	V	0.0	148	5	146	<1
1631	GL	V	0.0	23	17	92	<1
1632	GL	V	0.0	118	17	218	<1
1633	GL	V	0.0	87	13	107	<1
1634	GL	V	0.0	117	13	177	<1
1635	GL	V	0.0	153	20	184	<1
1636	GL	V	0.0	112	16	197	<1
1637	GL	V	0.0	96	20	105	<1
1638	GL	V	0.0	129	16	261	<1
1639	GL	V	0.0	48	5	186	<1
1640	GL	V	0.0	133	11	184	<1
1641	GL	V	0.0	111	32	111	<1
1642	GL	V	0.0	100	30	204	<1
1643	GL	V	0.0	158	35	301	<1
1644	GL	V	0.7	133	32	159	<1
1645	GL	V	0.0	82	40	175	<1
1646	GL	V	0.0	124	30	17	<1

Sample Number	Locality	Geology	Assay Value (ppm) Au	Cu	Pb	Zn	Mo
1647	GL	V	0.0	45	46	127	<1
1648	GL	V	0.0	87	32	140	<1
1649	GL	V	0.0	83	86	174	<1
1650	GL	V	0.0	95	41	199	<1
1651	GL	V	0.0	92	43	142	<1
1652	GL	V	0.0	83	22	87	<1
1653	GL	V	0.0	108	24	100	<1
1654	GL	V	0.0	79	27	111	<1
1655	GL	V	0.0	117	15	98	<1
1656	GL	V	0.0	75	36	160	<1
1657	GL	V	0.0	99	27	129	<1
1658	GL	V	0.0	90	25	107	<1
1659	GL	V	0.0	96	25	109	<1
1660	GL	V	0.0	115	22	131	<1
1661	GL	V	0.0	107	30	115	<1
1662	GL	V	0.0	121	5	86	<1
1663	GL	V	0.0	53	15	133	<1
1664	GL	V	0.2	56	13	148	<1
1665	GL	V	0.0	100	18	124	<1
1666	GL	V	0.0	41	15	148	<1
1667	GL	V	0.0	640	78	103	<1
1668	GL	V	0.0	108	13	120	<1
1669	GL	V	0.0	83	5	142	<1
1670	GL	V	0.0	78	11	140	<1
1671	GL	V	0.0	70	5	118	<1
1672	GL	V	0.0	83	5	156	<1
1673	GL	V	0.0	87	5	130	<1
1674	GL	V	0.0	83	5	117	<1
1675	GL	V	0.0	69	5	113	<1
1676	GL	V	0.0	28	5	161	<1
1677	GL	V	0.0	70	5	116	<1
1678	GL	V	0.0	82	11	100	<1
1679	GL	V	0.0	68	13	128	<1
1680	GL	V	0.0	20	11	116	<1
1681	GL	V	0.0	53	13	127	<1
1682	GL	V	0.0	96	43	139	<1
1701	GL	V	0.0	5	6	37	<1
1702	GL	V	0.0	7	3	34	<1
1703	GL	V	0.0	8	3	34	<1
1704	GL	V	0.0	8	6	31	<1
1705	GL	V	0.0	7	6	35	<1
1706	GL	V	0.0	6	3	51	<1
1707	GL	V	0.0	6	3	42	<1
1708	GL	V	0.0	6	3	47	<1
1709	GL	V	0.0	5	3	56	<1
1710	GL	V	0.0	72	136	87	<1
1711	GL	V	0.0	4	3	62	<1
1712	GL	V	0.0	7	6	52	<1
1713	GL	V	0.0	57	9	145	<1
1714	GL	V	0.0	129	12	107	<1
1715	GL	V	0.0	58	12	85	<1
1716	GL	V	0.0	66	12	114	<1
1717	GL	V	0.0	87	148	101	<1
1718	GL	V	0.0	66	154	94	<1
1719	GL	V	0.0	65	123	95	<1
1720	GL	V	0.0	73	164	121	<1
1721	GL	V	0.0	59	102	108	<1
1722	GL	V	0.0	51	80	89	<1
1723	GL	V	0.0	63	80	96	<1
1724	GL	V	0.0	54	77	88	<1
1731	GL	V	0.0	65	142	106	2
1732	GL	V	0.0	60	71	87	1
1733	GL	V	0.0	59	15	79	1
1734	GL	V	0.0	70	12	107	1
1735	GL	V	0.0	98	15	151	1
1736	GL	V	0.0	78	15	120	<1
1737	GL	V	0.0	66	15	90	1
1738	GL	V	0.0	63	12	117	1
1739	GL	V	0.0	57	12	92	1
1740	GL	V	0.0	92	12	103	<1
1741	GB	G	0.0	68	12	92	<1
1742	GB	G	0.0	84	15	125	<1
1743	GB	S	0.0	66	19	151	<1
1744	GB	S	0.0	93	22	146	<1
1745	GB	S	0.0	89	19	135	<1
1746	GB	S	0.0	66	12	81	<1
1747	GB	S	0.0	82	12	112	<1
1748	GB	S	0.0	88	15	180	<1
1749	GB	S	0.0	107	19	112	<1
1750	GB	V	0.0	138	19	129	<1
1751	GB	V	0.0	31	6	127	<1
1752	GB	V	0.0	66	12	124	<1
1753	GB	V	0.0	72	9	126	<1
1754	GB	V	0.0	89	9	117	<1
1755	GB	V	0.0	129	12	118	<1
1756	GB	G	0.0	95	6	118	<1
1757	GB	G	0.0	83	9	150	<1
1758	GB	G	0.0	93	15	139	<1
1759	GB	G	0.0	91	12	127	<1
1760	GB	G	0.0	89	15	125	<1
1761	GB	G	0.0	88	15	122	<1
1762	GB	G	0.0	69	12	154	<1
1763	GB	G	0.0	84	14	166	<1
1764	GB	G	0.0	90	22	127	<1
1765	GB	G	0.0	99	18	100	<1
1766	GB	G	0.5	95	17	107	3
1767	GB	G	0.0	91	22	104	4
1768	GB	G	0.0	42	17	267	<1
1769	GB	V	0.0	42	13	116	<1
1770	GB	V	0.0	62	15	136	1
1771	GB	V	0.0	58	14	151	<1
1772	GB	V	0.0	73	15	96	<1
1773	GB	V	0.0	16	9	111	<1
1774	GB	V	0.0	54	12	95	<1
1775	GB	V	0.0	52	12	106	<1
1776	GB	V	0.0	53	15	139	<1
1777	GB	V	0.0	55	12	157	<1
1778	GB	V	0.0	71	15	96	<1
1779	GB	V	0.0	66	12	99	<1
1780	GB	V	0.0	68	12	94	<1
1781	GB	S	1.8	55	9	168	<1
1782	GB	S	0.0	36	12	104	<1
1783	GB	S	0.0	93	19	130	<1
1784	GB	S	0.0	79	9	91	<1
1785	GB	S	0.2	51	6	118	2
1786	GB	S	0.0	53	6	106	3
1787	GB	S	0.0	71	6	85	3
1788	GB	S	0.0	63	9	86	3
1789	GB	S	0.0	56	9	94	3
1790	GB	S	0.0	68	12	109	3
1791	GB	V	0.0	61	12	101	<1
1792	G	V	0.0	119	19	100	1
1793	GB	V	0.0	73	19	110	1
1794	GB	V	0.0	58	15	125	<1
1795	GB	V	0.0	84	12	109	<1
1796	GB	S	0.0	72	9	107	1
1797	GB	S	0.0	79	9	108	1
1798	GB	S	0.0	78	9	110	1
1799	GB	S	0.0	83	9	105	1

Table 9 Results of X-ray Diffractive Analysis

Sample No.	Locality	Geological Unit	Clay Mineral			Muscovite	Quartz	Calcite	Ore Mineral	
			Montmori -llonite	Chlorite	Sericite				Sphalerite	Pyrite
TH-7	Desquite Mine	Hornblende-bio -tite granodiori -te		++		+++	+	+	+	
TH-14	Rio Blanco (Gualcala)	Pyroxene andesite	+	+	+		+++			+

Note: +++ Very much

++ Much

\+ Present (recognizable peak)