

3-9 Considerations

Turaquiri District

The Turaquiri ore deposit is considered to have been formed with the development of a caldera. From the component minerals of the veins, the ore deposit is inferred to be an epithermal vein-type deposit accompanied by mineralization of base and precious metals.

The Phase-I dating of the host rocks indicated 5.51 ± 0.11 Ma, nearly coinciding with the 5.3 Ma in the existing data.

The homogenization temperatures of fluid inclusions of seven quartz samples collected from the vein ranged from 168°C to 227°C on the average, which suggests that the ores are deposited in an epithermal area. The salinity (NaCl equivalent) ranges from 3.1 wt% to 17.9 wt%, comparable to those of tin-tungsten veins in the Quechisla area, although the homogenization temperatures are far lower. (Table II-3-4)

At Cerro Llista Ponchuni, a galena and marcasite dissemination is observed. Since the past exploitation pursued only for the vein portions, it is likely that there remain low-grade, large stockwork or disseminated ore deposits.

In view of the distribution of alteration zones and fractures, the presence of parallel veins concordant with the Turaquiri deposit is expected in the area including the ore showings zone in the south.

Table II-3-3 Homogenization Temperature and Salinity of Fluid Inclusions from Some Bolivian Ore Deposits

MINERALIZATION TYPE	MINERAL ZONE	QUECHISLA DISTRICT *				SUD LIPEZ DISTRICT *		SAJAMA DISTRICT		CARANGAS DISTRICT	
		TASNA MINE		ANIMAS, SIETE SUYOS GRAN CHOCAYA, MINES		BUENA VISTA, SAN ANTONIO DE LIPEZ MINES		TURAQUIRI		SONIA SUSANA	
		HT °C	NaCl Wt%	HT C	NaCl Wt%	HT °C	NaCl Wt%	HT °C	NaCl Wt%	HT °C	NaCl Wt%
POLYMETALLIC	W	499 - 250	50.4 - 12.4	---	---	---	---	---	---	---	---
	Sn	---	---	379 - 228	11.9 - 4.6	---	---	---	---	---	---
	Sn - Ag	437 - 213	34.9 - 9.9	277 - 178	4.9 - 3.8	---	---	---	---	---	---
	Ag-Pb-Zn	377 - 202	8.6 - 7.4	268 - 176	5.2 - 3.7	---	---	---	---	---	---
EPITHERMAL	Pb-Zn	---	---	---	---	317 - 157	16.1 - 1.2	227 - 168	17.9 - 3.1	205 - 179	6.6 - 3.7

* After Sugaki A. et al.(1985)

Asu Asuni District

In spite of the fact that the district is underlain by andesite already propylitized, no indications of dominant mineralization has been found in the hydrothermal alteration zones. It is conceivable from these facts that ore deposits occur at depth, or else mineralization is so weak that there exist only alteration zones but no geochemical anomalies.

Chulcani District

The Phase-I geochemical survey ascertained two types of anomalous zones, those accompanied and unaccompanied by gold.

At a part of the anomalous portions accompanied by gold, anomalies of lead, mercury and arsenic overlap weak anomalies of lead and zinc. In view of the existing data, the anomalous zones are likely to further expand.

The geochemical anomalies unaccompanied by gold can be inferred related with the diatreme, where anomalies of copper, arsenic and mercury overlap weak anomalies of lead and zinc.

Although it is can not be determined whether the two types of anomalous zones underwent the same mineralization, occurrence of ore deposits of precious and base metals is highly likely at depth in these anomalous zones.

The dating of the host rocks indicated 6.13 ± 0.12 Ma, which is close to those of the Turaquiri ore deposit; therefore, it is conceivable that a series of mineralization related to the Turaquiri deposit occurred.

Sonia - Susana District

As geochemical anomalies of gold, copper, lead and zinc overlap in Santa Catalina Loma, presence of epithermal polymetallic ore deposits, similar to those at the Carangas area in the east, is expected.

Cerro Entre Campanini is inferred to be a rhyolite dome and, in the adjacent area to the southeast, geochemical anomalies of gold, tin, antimony and arsenic overlap. In view of the presence of tin, occurrence of Bolivian-type polymetallic deposits can be anticipated at depth of the area.

At Cerro Llica Khaua, a gold vein accompanied by copper has been seized; occurrence of an epithermal gold-silver(-copper) ore deposit is expected.

According to the information furnished by the Bolivian counterpart of the survey, COMINCO executed a drilling survey totaling 2,000 m at 10 boreholes but failed to discover marked ore showings. Locations of the drilling sites are unknown. It will be necessary to obtain relevant information, if available, for further study.

Calorno District

The dating of two host rock samples indicated 11.7 ± 0.23 Ma and 9.01 ± 0.18 Ma, which correspond to the middle to late Miocene time, older than the currently accepted Pliocene and Pleistocene. Accordingly, the alteration zones widespread in the host rocks were presumably formed in the Miocene time, as well.

In view of the fact that non-altered rocks are left on the mountaintops and the presence of propylite is unknown, the hydrothermal alteration zones in this district are inferred to be situated at the uppermost (outermost) parts of alteration zones.

Gossans mainly of goethite lying along the Rio Agua Milagro show arsenic and antimony anomalies at the starting point in the upper reaches, which suggests the possibility that thermal water gushed out around there and flowed down.

Geochemical anomalies of mercury, barium, arsenic and antimony are scattered at Cerro Huaylla -Cerro Irun Laque in the alteration zone (II). Also, pyrophyllite, a somewhat high-temperature, acidic alteration mineral, was ascertained, though only at a spot. The hydrothermal alteration zone was presumably generated from a strong acid solution; it is conceivable, therefore, that a high-sulfidization, epithermal deposit or a Bolivian-type polymetallic deposit occurs at depth in the area.

In the lower part of the gossan zone in the southeast, an occurrence of a low-sulfidization, hydrothermal deposit seems likely.

Loma Llena District

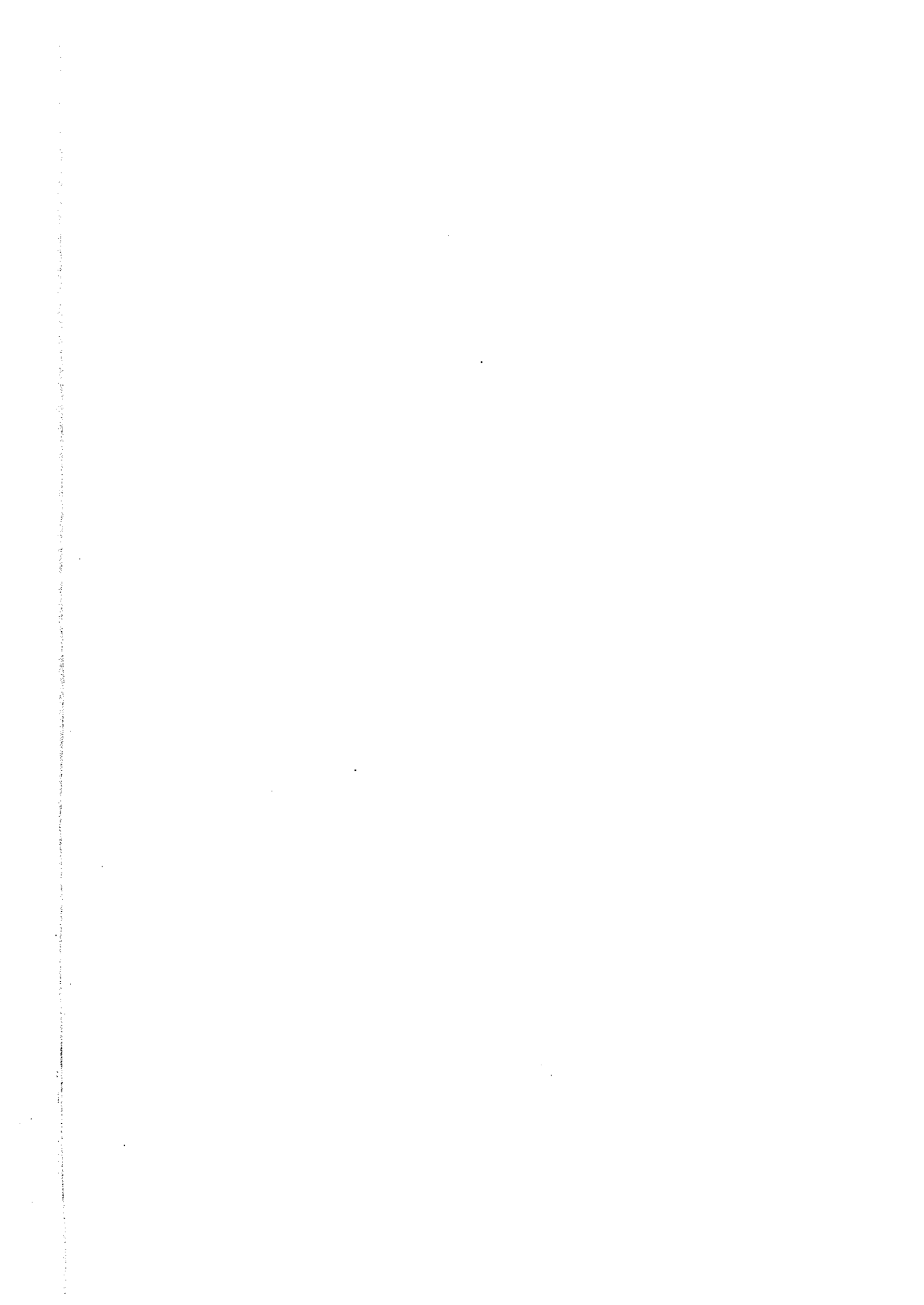
The dating of host rock samples taken at three sites indicated 6.24 ± 0.12 Ma, 4.07 ± 0.08 Ma and 3.75 ± 0.08 Ma, which correspond to the late Miocene to the early Pliocene. The dating is concordant with the existing data on the area. It is inferred that the alteration occurred close to these epochs.

Since non-altered rocks remain on the mountaintops and the presence of propylite is unknown, the epithermal alteration zones in the district are presumably situated in the uppermost (outermost) part of alteration zones, similarly to those in the Calorno district.

Since the geochemical anomalies are not dominant, it is highly likely that mineralization, if any, is weak, or else it occurs at depth.

In the light of these observations, the promising zones within the Phase-I survey area, in the order of priority, are as follows:

- (1) Chulcani District; (2) Turaquiri District; (3) Calorno District; and, (4) Sonia - Susana District.



PART III CONCLUSIONS AND RECOMMENDATIONS

Chapter 1 Conclusions

The geological and geochemical surveys were carried out in six districts, which are Turaquiri, Asu Asuni, Chulcani, Sonia - Susana, Calorno and Loma Llena, that were selected as promising districts as the result of the analysis of existing data and satellite image interpretation implemented in Phase I.

The survey findings are summarized as follows:

Turaquiri - Asu Asuni - Chulcani Districts

The Turaquiri deposit is considered to be an epithermal vein-type ore deposit accompanied by base and precious metals, which was formed in relation with the Pliocene resurgent caldera activity. The deposit had been exploited since the Colonial times. The exploitation targeted only the vein portions, consequently, there is the possibility that stockwork or disseminated ore deposits with low-grade, large ore reserves are left unexploited.

The occurrence of ore deposits of the mentioned types is especially likely at the deep portion where the south vein is intersected by the north vein, as bonanzas are apt to be formed in this portion.

From the distribution of alteration zones and fractures, the occurrence of parallel veins concordant with the Turaquiri deposit can be anticipated in the district including the south ore showings.

Despite the fact that the Asu Asuni districts are underlain by already propylitized andesite, no dominant geochemical anomaly was found. Mineralization, if any, is presumed to be weak or occur at depth. The district is considered to be of low priority for exploration.

In the Chulcani district, the geochemical survey found gold anomaly zones at two locations. From the presence of breccia pipes and a diatreme, possible occurrence of epithermal deposits of precious metals or epithermal polymetallic deposits is expected at depth. The district is considered to be of the highest priority.

Sonia - Susana District

Geochemical anomalies of gold, copper, lead and zinc overlap in Santa Catalina Loma; presence of epithermal polymetallic deposits similar to those at the Carangas district to the east is expected.

The Cerro Entre Campanani is considered to be a rhyolite dome, and is further southeast of geochemical anomalies of gold, tin, antimony and arsenic overlap. The occurrence of Bolivian-

type polymetallic ore deposits can be anticipated.

In the Cerro Llica Khaua, gold veins accompanied by copper has been ascertained. Although geochemical anomalies are not found in the surrounding areas, epithermal gold-silver-copper ore deposits can be anticipated in the lower part.

However according to the information furnished by the counterpart of the survey, COMINCO-Bolivia has carried out exploration including a drilling survey of 10 boreholes but no marked ore showings were encountered. It will be necessary to obtain relevant information for further study.

Calorno District

The dating of andesite samples taken at two spots in the district indicated the middle to late Miocene time, older than the so far accepted Pliocene to Pleistocene time. Accordingly, the alteration zones widespread in the wall rocks are also inferred to have been formed in the Miocene time.

In view of the fact that non-altered rocks are left on the mountain tops and the presence of propylite is unknown, hydrothermal alteration zones in the district appear to be situated at the topmost (outermost) parts of the alteration zones.

From the Cerro Huaylla to the Cerro Irun Laque, geochemical anomalies are not concentrated but those of mercury, barium, arsenic and antimony are spotted. High-sulfidation epithermal deposits or Bolivian-type polymetallic deposits possibly occur at depths.

Underneath the gossans in the southeast, there is a possibility of the occurrence of low-sulfidation epithermal deposits.

Loma Llana District

Since non-altered rocks are left on the mountain tops and the presence of propylite is unknown, the hydrothermal alteration zones in the district are presumably situated at the topmost (outermost) parts of the alteration zones.

A geochemical anomaly is not dominant; mineralization, if any, is likely to be weak or to occur at depths. Priority of the district is considered to be low.

On the basis of the Phase-I survey findings, the promising districts have been selected, which are (in the order of priority): [1] Chukani, [2] Turaquiri, [3] Calorno, and [4] Sonia - Susana.

Chapter 2 Recommendations for Phase II

The Phase-I survey revealed that the Oruro-Uyuni region is extensively underlain by hydrothermal alteration zones and the occurrence of epithermal ore deposits can be expected at depth of the zones.

For Phase II, it is recommended that a secondary geological survey should be conducted in the districts investigated in Phase I, in order to obtain further details.

Chulcani District

secondary geological and geochemical surveys should be conducted in the district, with the principal aims of ascertaining continuity and extension of gold anomaly zones, and zoning of altered minerals.

Turaquiri District

With a view to ascertaining the westward continuity of the known veins and presence and size of the parallel veins, it is desirable to carry out semi-detailed geological and geochemical surveys.

Sonia - Susana District

In the district, geochemical anomaly portions were ascertained. In order to further clarify the characteristics of the mineralization and zoning of the alteration zones, it is desirable to conduct semi-detailed geological and geochemical surveys. Simultaneously, it will be necessary to obtain information on past drilling and electric survey findings, as far as practicable, for further study.

Calorno District

In this district, it is desirable to conduct semi-detailed geological and geochemical surveys with the principal aim of ascertaining occurrence of hydrothermal breccia, presence of volcanic domes and zoning of the alteration zones from the Cerro Huaylla to the Cerro Irun Laque.

For the Asu Asuni and Loma Llana districts, complimentary geological and geochemical surveys will be needed.

Concerning the other districts where alteration zones were selected by image interpretation but a field survey was not implemented during Phase I, it is desirable to conduct geological and geochemical surveys at a preliminary level.

Blanca Nieves District

The district adjoins the Chilean border northwest of the Chulcani district and is situated northeast of the Choquelimpie mine, Chile. The satellite image analysis indicates alteration zones of iron oxide.

Cerro Picacho District

The district is situated to the north of the Cerro Panizo district and referred to below. The satellite image analysis indicates extensive alteration -- mainly argillization -- zones. On the slope of the Cerro Chinchiluma in the south, presence of a Bolivian-type polymetallic vein deposit of gold, silver, copper, lead, zinc and tin has been reported.

Cerro Panizo District

The district is situated to the north of the Calorno district. The satellite image analysis indicates extensive iron oxide and argillization zones.

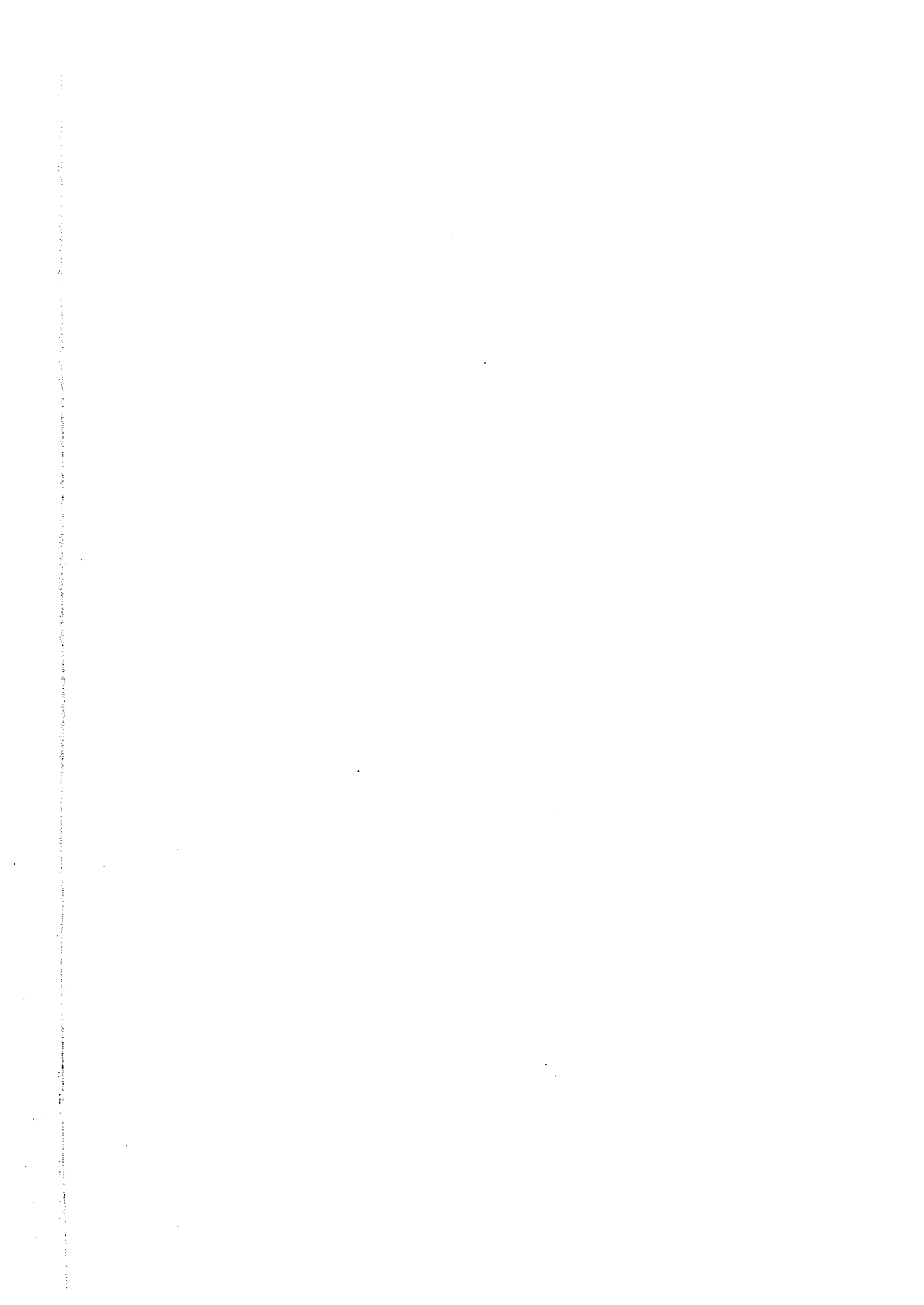
In addition to the mentioned districts, alteration zones are present in the Cerro Clebra, Iñexa, Año Nuevo, Cerro Puquisa, Cerro Cordillerita, Cerro Colorado, Cerro Sairica, Cerro Luxar, Cerro Cachi Unu, Cerro Chascos, Cerro Zedilla and Cerro Eskapa districts, where preliminary geological and geochemical surveys will be necessary.

To evaluate other minor-scale alteration zones and unconfirmed ore showings, it is recommended to conduct a geochemical survey of stream sediments covering the entire area of the survey.

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12. MAPA METALOGENICO DE BOLIVIA (1:1,000,000) SERGEOMIN No.19:1999

13. Geological Map of Bolivia (1:100,000)
 - 1) San Pedro de Quemez (5931) 1997
 - 2) Abra de Napa/Yonza (5832/E – 5932) 1997
 - 3) Carangas (5837) 1965
 - 4) Sacabaya (5838) 1963
 - 5) Canquilla (5933) 1967
 - 6) Turco (5939) 1964
 - 7) Cueva Negra (5833) 1968
 - 8) Sajama (5839) 1963
14. Thematic maps of mineral resources of Bolivia (1:250,000)
 - 1) Uyuni (SF19-4) 1997
 - 2) Corocoro y Charana (SE19-6/E – SE19-7) 1996
 - 3) Corque and Nevados Payachata (SE19-10/E – SE19-11) 1995
 - 4) San Pablo de Lipez (SF19-8) 1999
 - 5) Salinas de Garci Mendoza (SE19-15) 1995



Appendices

Appendix 1
Sample List of Laboratory Works

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	TS ore	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
													N	E												
1	1001 IAR	X							sil str	massive silica	LOMA LLENA		7709.573	19,581.134	<2	<0.5	3	<3	13	<5	<5	10	4	151	<5	
2	1002 IAR	X					X		volbr-md sil-arg	mbs/sil-arg-limo	LOMA LLENA		7710.171	19,581.826	2	<0.5	39	9	6	13	<5	70	6	153	<5	
3	1003 IAR	X	X						vol Agglomerate	mbs/arc-FeOxd	LOMA LLENA		7711.258	19,582.743	2	<0.5	14	<3	48	<5	<5	40	<1	155	<5	
4	1004 IAR	X							r-sil	massive silica	LOMA LLENA		7711.927	19,582.562	<2	<0.5	2	<3	8	<5	<5	10	2	1,070	<5	
5	1005 IAR	X							brc-mdeil-wkarg	mbs/sil-arc	LOMA LLENA		7725.748	19,572.112	<2	<0.5	4	<3	4	6	<5	40	2	1,027	<5	
6	1006 IAR	X							brc-stasil	mbs/sil	LOMA LLENA		7725.998	19,572.117	<2	<0.5	28	<3	5	30	<5	40	2	192	<5	
7	1007 IAR	X							brc-stasil	mbs/massive sil	LOMA LLENA		7725.774	19,571.954	<2	<0.5	8	31	5	26	<5	20	6	498	<5	
8	1009 IAR	X							brc-stasil-wkarg	mbs/sil-arc	LOMA LLENA		7728.198	19,571.495	<2	<0.5	<2	<3	<2	<5	<5	70	2	57	<5	
9	1009 IAR	X							brc-arg-sil	mbs/sil-arc-limo	LOMA LLENA		7725.913	19,571.359	<2	<0.5	<2	48	<2	<5	10	3	1,437	<5		
10	1010 IAR	X							da2-wkarg-wksil	gndm/wksil	LOMA LLENA		7783.910	19,544.170	<2	<0.5	4	<3	<2	<5	10	3	1,437	<5		
11	1011 IAR	X							da-wkarg-wksil	gndm/wksil	LOMA LLENA		7783.910	19,544.170	<2	<0.5	4	<3	<2	<5	10	3	1,437	<5		
12	1012 IAR	X							v-sil	gndm/wksil-wkoxd	CALORNO		7783.820	19,543.957	<2	<0.5	7	<3	3	8	<5	150	3	99	<5	
13	1013 IAR	X							v-sil	massive/10cm wide	CALORNO		7783.808	19,543.884	<2	<0.5	6	7	3	9	<5	10	14	257	<5	
14	1014 IAR	X							v-sil	massive/40cm wide	CALORNO		7783.643	19,543.882	3	<0.5	2	19	<2	19	<5	<10	7	155	<5	
15	1015 IAR	X							v-sil-wkoxd	v-frcd/40cm wide	CALORNO		7783.593	19,543.799	2	<0.5	20	9	2	16	<5	350	6	122	<5	
16	1016 IAR	X							da-starg-wksil	gndm/wksil	CALORNO		7783.639	19,543.724	<2	<0.5	3	7	3	10	<5	30	3	174	<5	
17	1017 IAR	X							v-sil-wkoxd	v-frcd/30cm wide	CALORNO		7783.443	19,543.793	<2	<0.5	<2	9	<2	55	<5	10	<1	48	<5	
18	1018 IAR	X							da-alk-frc	lamellar bwk	CALORNO		7783.376	19,543.588	<2	<0.5	5	<3	2	20	<5	10	10	91	<5	
19	1019 IAR	X							da2-starg	arg wht to yw	CALORNO		7783.322	19,543.529	<2	<0.5	6	5	2	9	<5	10	2	40	<5	
20	1020 IAR	X							da2-stail-arg	Fe oxd located	CALORNO		7783.127	19,543.530	<2	<0.5	4	13	2	31	<5	60	2	78	<5	
21	1021 IAR	X							v-sil-wkoxd	v-sil-wkoxd	CALORNO		7783.038	19,543.529	<2	<0.5	8	36	3	80	<5	150	3	80	<5	
22	1022 IAR	X							v-sil-wkoxd	v-frcd/30cm wide	CALORNO		7782.959	19,543.408	<2	<0.5	12	<3	<2	17	<5	40	6	25	<5	
23	1023 IAR	X							v-sil-wkoxd	v-frcd/80cm wide	CALORNO		7782.872	19,543.378	2	<0.5	23	<3	<2	21	<5	400	6	144	<5	
24	1024 IAR	X					X		volbr-sil-wkoxd	mbs/sil-FeOxd	CALORNO		7782.662	19,543.372	2	<0.5	10	10	<2	13	<5	4,040	6	172	<5	
25	1025 IAR	X							da2-starg-wksil	grysl beated	CALORNO		7782.544	19,543.481	<2	<0.5	3	<3	<2	<5	<5	50	9	245	<5	
26	1026 IAR	X							r-stasil	grysl into frc	CALORNO		7782.416	19,543.470	<2	<0.5	10	<3	<2	<5	<5	410	8	996	<5	
27	1027 IAR	X							volbr-sil-wkoxd	mbs/sil-limo/hem	CALORNO		7782.416	19,543.529	12	<0.5	8	<3	<2	20	<5	70	25	541	<5	
28	1028 IAR	X							volbr-sil-wkoxd	mbs/sil-Fe Oxid	CALORNO		7781.995	19,543.423	<2	<0.5	6	<3	3	<5	<5	10	9	962	<5	
29	1029 IAR	X							trf-starg	whitish arg	CALORNO		7782.133	19,543.397	<2	<0.5	4	<3	2	<5	<5	20	4	1,548	<5	
30	1030 IAR	X							volbr-sil	whitish arg	CALORNO		7782.979	19,543.051	<2	<0.5	3	<3	<2	<5	<5	30	8	865	<5	
31	1031 IAR	X							volbr-sil	mbs/sil-wkFeOxd	CALORNO		7782.434	19,543.082	<2	<0.5	14	8	<2	23	<5	2,080	9	261	<5	
32	1032 IAR	X							v-sil-wkoxd	v-frcd/20cm wide	CALORNO		7781.867	19,545.179	<2	<0.5	<2	<3	<2	<5	<5	20	3	41	<5	
33	1033 IAR	X							v-sil	FeOxd into frc	CALORNO		7781.741	19,545.334	<2	<0.5	43	<3	<2	6	<5	<10	2	113	<5	
34	1034 IAR	X							v-sil	FeOxd into frc	CALORNO		7781.911	19,545.400	3	<0.5	7	<3	<2	10	<5	380	2	156	<5	
35	1035 IAR	X							v-sil	argOxd into frc	CALORNO		7782.016	19,545.231	<2	<0.5	4	<3	<2	<5	<5	80	2	11	<5	
36	1036 IAR	X							v-sil-wkoxd	FeOxd aggregated	CALORNO		7781.711	19,545.385	<2	<0.5	<2	<3	<2	<5	<5	<10	2	23	<5	
37	1037 IAR	X							r-stasil-wkarg	FeOxd aggregated	CALORNO		7781.601	19,545.527	2	<0.5	12	5	2	<5	<5	150	5	439	<5	
38	1038 IAR	X							v-sil	massive silica	CALORNO		7781.525	19,545.998	<2	<0.5	2	<3	<2	<5	<5	80	2	261	<5	
39	1039 IAR	X							v-frc-sil-wkoxd	FeOxd into frc	CALORNO		7781.305	19,545.805	<2	<0.5	36	5	2	18	<5	200	1	141	<5	
40	1040 IAR	X							v-frc-sil-wkoxd	FeOxd into frc	CALORNO		7781.186	19,545.551	<2	<0.5	11	6	<2	<5	<5	100	2	210	<5	
41	1041 IAR	X							v-arg	with low silica	CALORNO		7781.286	19,545.475	<2	<0.5	31	4	3	20	<5	20	2	116	<5	
42	1042 IAR	X							st-sil	with vit/FeOxd	CALORNO		7781.361	19,545.176	<2	<0.5	4	<3	<2	58	<5	80	3	40	<5	
43	1043 IAR						X		arg? gray-blakish	afanitic texture	LOMA LLENA		7770.833	19,582.348												
44	1044 IAR	X					X		da-porphritic	phcp-foliated bt	LOMA LLENA		7723.866	19,571.711												
45	1045 IAR	X							v-sil-wkoxd	with arg halos	SONIA SUSANA		7918.413	19,518.598	4	2	302	116	259	6	<5	30	2	153	<5	
46	1046 IAR	X							v-sil-wkoxd	with arg halos	SONIA SUSANA		7918.609	19,518.634	21	4	213	732	458	34	<5	70	5	1,005	<5	
47	1047 IAR	X							st-sil-py dias	with vit/FeOxd	SONIA SUSANA		7918.478	19,518.777	6	1	453	648	1,263	10	<5	30	2	468	<5	
48	1048 IAR	X						X	st-sil-py dias	with vit/FeOxd	SONIA SUSANA		7918.667	19,518.848	3	3	147	245	4,660	11	<5	20	<1	49	<5	
49	1049 IAR	X							r-sty arg-oxd	FeOxd into frc	SONIA SUSANA		7918.818	19,518.955	8	1	5	37	14	7	<5	30	3	366	<5	
50	1050 IAR	X							r-starg-wkprpy	with py bwk	SONIA SUSANA		7918.880	19,518.682	29	6	126	755	556	60	<5	30	2	39	<5	
		X							r-stasil	FeOxd into frc	SONIA SUSANA		7918.501	19,518.377	13	4	9	489	14	31	<5	40	5	159	<5	

Appendix 1 Sample List of Laboratory Works (All Samples)

Serial No.	Sample No.	CA rock ore	CA	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	UTM		District	Location	Concentration (ppm/ppb)												
												N	E			Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Ba	Sh		
51	1051	VAR X								tf-stgail-wharg v-sil	qtz drusy+FeOxd carb-chl	7 919 093	19 512 756	SOMIA SUSANA		<2	<0.5	3	13	8	5	<5	<5	10	1	87	<5	
52	1052	VAR X								tf-stgail-wharg v-sil	qtz drusy+FeOxd carb-chl	7 919 283	19 512 721	SOMIA SUSANA		<2	<0.5	4	8	16	15	<5	<5	21.0	4	23	<5	
53	1053	VAR X								r-stgprpy		7 919 377	19 512 882	SOMIA SUSANA		<2	<0.5	56	15	129	6	<5	<5	20	3	56	<5	
54	1054	VAR X								volve?+stgarg	mtz/arg+wkil	7 919 582	19 512 677	SOMIA SUSANA		<2	<0.5	3	4	8	<5	<5	20	2	34	<5		
55	1055	VAR X								r-stgprpy	carb-chl	7 919 674	19 512 706	SOMIA SUSANA		<2	<0.5	60	9	100	<5	<5	10	2	55	<5		
56	1056	VAR X								tf-stgarg	mtz/arg+wkil	7 919 800	19 512 579	SOMIA SUSANA		<2	<0.5	2	<3	8	<5	<5	280	1	22	<5		
57	1057	VAR X								volve-stgprpy	mtz/carb-chl	7 919 973	19 512 750	SOMIA SUSANA		<2	<0.5	10	23	38	7	<5	10	2	176	<5		
58	1058	VAR X								tf-mdsil/arg		7 920 099	19 512 605	SOMIA SUSANA		<2	<0.5	2	25	7	18	<5	20	1	85	<5		
59	1059	VAR X								tf-mdsil/arg		7 919 889	19 512 336	SOMIA SUSANA		<2	<0.5	4	1	3	4	3	49	<5	22 230	2	152	<5
60	1060	VAR X								tf-stgarg	lightly porous	7 920 089	19 512 674	SOMIA SUSANA		<2	<0.5	2	<3	4	<5	<5	60	1	91	<5		
61	1061	VAR X								tf-stgprpy	mtz/carb-chl	7 919 775	19 512 269	SOMIA SUSANA		<2	<0.5	83	8	96	<5	<5	70	2	238	<5		
62	1062	VAR X								tf-mdsil/arg	mtz/carb-chl	7 914 912	19 515 810	SOMIA SUSANA		<2	<0.5	31	15	282	46	<5	40	2	304	<5		
63	1063	VAR X								v-sil	massive silica	7 915 253	19 516 247	SOMIA SUSANA		10	1	37	16	7	6	<5	20	4	304	<5		
64	1064	VAR X								tf-stgarg	mtz/arg+wkil	7 915 158	19 516 416	SOMIA SUSANA		3	1	15	6	3	<5	<5	10	3	587	<5		
65	1065	VAR X								tf-stgail	with arg halos	7 915 487	19 516 721	SOMIA SUSANA		58	1	5	47	3	28	<5	20	5	51	<5		
66	1066	VAR X								tf-stgail	vlt/silica+FeOxd	7 915 731	19 516 673	SOMIA SUSANA		8	1	<2	27	5	13	<5	20	17	110	<5		
67	1067	VAR X								tf-stgail	vlt/silica+FeOxd	7 915 712	19 518 477	SOMIA SUSANA		4	<0.5	24	<3	50	25	<5	<5	20	<1	16	<5	
68	1068	VAR X								v-sil	massive silica	7 915 835	19 516 165	SOMIA SUSANA		9	2	3	109	4	35	<5	30	4	673	<5		
69	1069	VAR X								da?+stgarg	vlt/FeOxd	7 917 454	19 520 905	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	5	40	3	<5	<5	860	2	825	<5		
70	1070	VAR X								brc-sil	silicified mtz	7 977 033	19 520 407	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	10	5	7	13	<5	100	2	516	<5		
71	1071	VAR X								v-stgxd-sil	mass.agg/g+FeOxd	7 977 290	19 520 748	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	124	29	73	180	<5	230	<1	553	<5		
72	1072	VAR X								v-sil-oxid	mass/sil+FeOxd	7 977 033	19 520 407	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	3	14	<2	<5	<5	360	3	1574	<5		
73	1073	VAR X								r-stgail	mass.agg/g/sil	7 978 945	19 520 294	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	3	14	<2	<5	<5	360	3	1574	<5		
74	1074	VAR X								brc-stgxd	mtz/FeOxd+sil	7 978 945	19 520 294	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	38	14	29	<5	<5	340	6	806	<5		
75	1075	VAR X								brc-sil	mtz/sil+FeOxd	7 978 718	19 519 997	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	2	4	3	23	<5	340	2	275	<5		
76	1076	VAR X								da?+stgail	FeOxd into frc	7 978 478	19 519 521	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	4	<3	<2	<5	<5	20	9	228	<5		
77	1077	VAR X								v-sil-frc	FeOxd into frc	7 978 445	19 519 330	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	14	8	3	6	<5	20	4	398	<5		
78	1078	VAR X								tf-stgail-wharg v-sil	mtz/sil+arg+FeOxd	7 978 263	19 519 420	CHULLCANI	Co. Huayna Chullcani	408	4	<3	2	<5	<5	350	7	3165	<5			
79	1079	VAR X								v-sil	mass/sil+wt+FeOxd	7 977 439	19 520 605	CHULLCANI	Co. Huayna Chullcani	<2	<0.5	15	5	4	7	<5	150	<1	1047	<5		
80	1080	VAR X								da?+stgarg	FeOxd into frc	7 993 413	19 580 778	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	17	52	104	12	<5	30	3	183	<5		
81	1081	VAR X								da-wisarg	few agg/g+FeOxd	7 992 998	19 581 023	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	6	49	28	<5	<5	370	2	487	<5		
82	1082	VAR X								da-mdsil	FeOxd into frc	7 992 235	19 581 298	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	5	162	16	<5	<5	80	<1	200	<5		
83	1083	VAR X								r-stgarg	FeOxd into frc	7 993 020	19 581 551	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	10	190	63	<5	<5	40	<1	780	<5		
84	1084	VAR X								r-stgarg	vlt/sil+FeOxd	7 993 098	19 581 551	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	19	4	40	<5	<5	210	<1	500	<5		
85	1085	VAR X								r-stgarg	with agg/gsil	7 993 149	19 581 756	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	3	59	313	643	<5	<5	60	<1	147	<5	
86	1086	VAR X								brc-stgarg	with few chl	7 993 149	19 581 756	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	29	46	1194	402	6	<5	360	3	1066	<5	
87	1087	VAR X							X	da?+stgarg v-FeOxd-sil	FeOxd+grysil	7 993 135	19 581 788	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	21	52	5172	133	6	<5	160	1	266	<5	
88	1088	VAR X							X	da?+stgarg	with few FeOxd	7 993 141	19 581 927	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	2	10	190	63	<5	40	<1	510	<5		
89	1089	VAR X							X	altcarb dump	with chl+carb	7 993 117	19 582 299	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	4	7	188	89	<5	140	<1	40	<5		
90	1090	VAR X							X	aluph-Ba-qtz dump	carb+FeOxd+chl	7 993 011	19 582 557	TURAOQUI	Co. Huayna Chullcani	<2	<0.5	2	1	<2	307	89	<5	10	<1	40	<5	
91	1091	VAR X							X	volve	S-2	7 994 530	19 582 270	TURAOQUI	Co. Huayna Chullcani	13	119	16	7 515	2 248	<5	<5	480	3	1 276	<5		
92	1101	OAA X							X	volve	S-4	7 994 587	19 582 253	TURAOQUI	Co. Huayna Chullcani	46	48	5	4 798	1 118	365	<5	80	3	1 777	<5		
93	1102	OAA X							X	volve-limo-arg		7 716 087	19 577 585	LOMA LLENA		<2	<0.5	15	3	4	6	<5	1 180	1	162	<5		
94	1103	OAA X							X	volve-limo-arg		7 715 770	19 577 708	LOMA LLENA		<2	<0.5	2	<3	<2	<5	<5	10	<1	81	<5		
95	1104	OAA X							X	da-sil+arg		7 715 467	19 577 640	LOMA LLENA		<2	<0.5	14	<3	9	6	<5	60	<1	130	<5		
96	1105	OAA X							X	da-sil+arg		7 715 487	19 577 701	LOMA LLENA		<2	<0.5	2	11	3	<5	<5	20	<1	795	<5		
97	1106	OAA X							X	an-arg		7 715 920	19 578 050	LOMA LLENA		<2	<0.5	42	<3	54	<5	<5	10	3	58	<5		
98	1107	OAA X							X	an-brc		7 716 152	19 577 612	LOMA LLENA		<2	<0.5	9	<3	4	5	<5	90	1	187	<5		
99	1108	OAA X							X	volve-sil+arg		7 716 465	19 577 760	LOMA LLENA		<2	<0.5	10	<3	6	<5	<5	30	<1	165	<5		
100	1109	OAA X							X	volve-arg		7 728 326	19 572 235	LOMA LLENA		<2	<0.5	15	<3	4	11	<5	90	3	244	<5		

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA ore	OA rock	TS ore	PS ore	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM N	UTM E	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
101	1110	AAA	X							vobre-sil-arg		LOMA LLENA		7726281	19571660	<2	<0.5	<2	<3	<2	<5	<5	10	4	127	<5	
102	1111	AAA	X							vobre-sil-arg		LOMA LLENA		7726047	19571752	<2	<0.5	38	98	<5	152	<5	40	86	314	<5	
103	1112	AAA	X							an-sil-arg		LOMA LLENA		7725843	19571087	<2	<0.5	22	<3	<2	10	<5	70	12	238	<5	
104	1113	AAA	X							da-arg		CALORNO		7763845	19544117	<2	<0.5	10	<3	2	28	<5	50	1	195	<5	
105	1114	AAA	X							bre-sil		CALORNO		7763646	19544083	<2	<0.5	8	<3	<2	<5	<5	20	8	964	<5	
106	1115	AAA	X							tuff-arg-limo		CALORNO		7763627	19544072	<2	<0.5	53	<3	5	28	<5	50	4	342	<5	
107	1116	AAA	X							bre-sil-oxd		CALORNO		7763627	19543988	<2	<0.5	21	<3	7	80	<5	40	7	70	<5	
108	1117	AAA	X							vobre-sil-arg		CALORNO		7763427	19543910	6	<0.5	81	40	5	84	<5	540	7	193	<5	
109	1118	AAA	X	X						bre-sil		CALORNO		7763322	19543775	<2	<0.5	57	<3	3	24	<5	130	<1	92	<5	
110	1119	AAA	X				X			bre-sil		CALORNO		7763313	19543755	<2	<0.5	12	<3	<2	10	<5	20	4	90	<5	
111	1120	AAA	X							r-sil		CALORNO		7763186	19543587	<2	<0.5	3	21	<2	84	<5	40	7	25	<5	
112	1121	AAA	X							r-sil		CALORNO		7763043	19543848	<2	<0.5	3	25	<2	41	21	30	9	92	<5	
113	1122	AAA	X							r-sil		CALORNO		7763043	19543545	2	<0.5	6	30	<2	83	<5	210	5	103	<5	
114	1123	AAA	X							r-sil		CALORNO		7762856	19543551	<2	<0.5	21	<3	10	13	<5	30	6	170	<5	
115	1124	AAA	X							bre-oxd		CALORNO		7762710	19543480	4	<0.5	20	12	5	31	9	450	26	118	<5	
116	1125	AAA	X							bre-sil		CALORNO		7762683	19543563	2	<0.5	5	3	<2	7	<5	440	5	177	<5	
117	1126	AAA	X							bre-sil		CALORNO		7762226	19543806	<2	<0.5	3	<3	<2	6	<5	30	6	518	<5	
118	1127	AAA	X							bre-sil		CALORNO		7762225	19544028	2	<0.5	14	17	3	111	<5	540	4	398	<5	
119	1128	AAA	X							r-sil		CALORNO		7762105	19544065	<2	<0.5	2	5	<2	34	<5	20	3	161	<5	
120	1129	AAA	X							r-sil-jar		CALORNO		7761850	19543920	<2	<0.5	5	93	4	165	<5	30	7	68	<5	
121	1130	AAA	X							r-sil-jar-arg		CALORNO		7761690	19544615	<2	<0.5	190	<3	11	<5	<5	20	2	34	<5	
122	1131	AAA	X							str-sil-oxd		CALORNO		7761620	19544720	<2	<0.5	6	5	6	18	<5	70	4	152	<5	
123	1132	AAA	X							bre-sil		CALORNO		7761380	19544793	<2	<0.5	17	<3	8	86	<5	20	3	137	<5	
124	1133	AAA	X							bre-sil		CALORNO		7761040	19545155	<2	<0.5	4	<3	<2	197	<5	180	7	64	<5	
125	1134	AAA	X							bre-sil		CALORNO		7761530	19544865	<2	<0.5	82	<3	7	104	<5	5260	12	92	<5	
126	1135	AAA	X					X		da-an		CALORNO		7765701	19544234	<2	<0.5	29	17	25	124	<5	180	49	412	<5	
127	1136	AAA	X							str-sil-oxd		CALORNO		7765452	19544093	<2	<0.5	10	<3	<2	<5	<5	20	5	118	<5	
128	1137	AAA	X							r-oxd		CALORNO		7765497	19544352	<2	<0.5	26	<3	8	41	<5	90	8	382	<5	
129	1138	AAA	X							r-arg-oxd		CALORNO		7765359	19544407	<2	<0.5	46	4	6	89	<5	70	7	100	<5	
130	1139	AAA	X							r-sil		CALORNO		7765437	19544610	<2	<0.5	53	<3	32	14	<5	130	2	214	<5	
131	1140	AAA	X							bre-sil-oxd		CALORNO		7765517	19544753	<2	<0.5	39	<3	35	72	<5	20	25	236	<5	
132	1141	AAA	X							r-oxd		CALORNO		7765137	19545873	<2	<0.5	71	<3	54	<5	<5	20	2	87	<5	
133	1142	AAA	X					X		da		LOMA LLENA		7710087	19579257	<2	<0.5	1	56	312	2609	47	<5	30	7	175	<5
134	1143	AAA	X							r-sil-chl		SONIA SUSANA		7918325	19518661	172	57	700	383	293	197	<5	10	238	37	5	
135	1144	AAA	X							bre-oxd		SONIA SUSANA		7918275	19518736	34	7	172	789	303	38	<5	10	4	97	<5	
136	1145	AAA	X							r-oxd-arg		SONIA SUSANA		7918452	19518795	504	27	122	143	57	15	<5	50	6	178	19	
137	1146	AAA	X							str-sil-oxd		SONIA SUSANA		7918335	19518908	51	7	182	1558	101	83	<5	50	45	61	8	
138	1147	AAA	X							bre-sil-oxd		SONIA SUSANA		7917905	19519018	8	3	15	167	18	82	<5	14	700	13	58	<5
139	1148	AAA	X							r-sil-arg		SONIA SUSANA		7918784	19512857	<2	<0.5	40	27	85	29	<5	150	3	62	<5	
140	1148	AAA	X							r-sil-arg		SONIA SUSANA		7918976	19512695	<2	<0.5	12	25	105	20	<5	140	1	127	<5	
141	1150	AAA	X							r-arg-sil		SONIA SUSANA		7918890	19512550	<2	<0.5	23	18	145	40	<5	100	1	103	<5	
142	1151	AAA	X							r-arg-oxd		SONIA SUSANA		7918840	19512475	<2	<0.5	68	29	46	30	<5	110	4	239	<5	
143	1152	AAA	X							r-sil		SONIA SUSANA		7918760	19512208	<2	<0.5	37	16	103	25	<5	30	1	122	<5	
144	1153	AAA	X							an-sil-oxd		SONIA SUSANA		7918316	19512708	<2	<0.5	130	3	118	<5	<5	20	2	87	<5	
145	1154	AAA	X					X		da-sil		SONIA SUSANA		7917650	19512070	<2	<0.5	17	11	83	<5	<5	990	2	223	<5	
146	1155	AAA	X							str-sil-oxd		SONIA SUSANA		7918824	19512708	<2	<0.5	29	7	53	75	<5	<5	590	<1	135	<5
147	1156	AAA	X							str-oxd		SONIA SUSANA		7918162	19513190	<2	<0.5	18	15	51	26	<5	20	1	922	<5	
148	1157	AAA	X							an-oxd		SONIA SUSANA		7918045	19513190	<2	<0.5	8	118	118	49	<5	390	1	2050	<5	
149	1158	AAA	X							r-sil-arg		SONIA SUSANA		7914728	19515713	<2	<0.5	8	118	118	49	<5	390	1	2050	<5	
150	1159	AAA	X							r-sil-oxd		SONIA SUSANA		7915510	19515725	<2	<0.5	2	10	2	7	<5	20	2	1054	<5	

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-LUYUNI AREA

Serial No.	Sample No.	CA rock	CA TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM N E	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
151	1160	0AA	X						bre-oxd		SONIA SUSANA		7915.625 19,515,960	7	<0.5	43	11	24	31	<5	20	3	93	<5	
152	1161	0AA	X						str-oxd		SONIA SUSANA		7916.031 19,516,087	5	<0.5	83	11	19	99	<5	60	29	792	<5	
153	1162	0AA	X						bre-sil-oxd		SONIA SUSANA		7916.136 19,516,404	6	1	15	119	53	14	<5	30	6	123	<5	
154	1163	0AA	X						str-sil-oxd		SONIA SUSANA		7916.305 19,516,541	3	<0.5	38	169	103	21	<5	30	6	85	<5	
155	1164	0AA	X						str-sil-oxd		SONIA SUSANA		7916.457 19,516,748	7	1	101	450	279	92	<5	40	13	50	<5	
156	1165	0AA	X						r-sil-oxd		ASU ASUNI		7984.278 19,550,732	<2	<0.5	7	<3	15	<5	<5	20	<1	180	<5	
157	1166	0AA	X						str-sil-oxd		ASU ASUNI		7984.293 19,550,737	<2	<0.5	26	3	7	<5	<5	100	<1	380	<5	
158	1167	0AA	X						bre-sil-oxd		ASU ASUNI		7984.158 19,550,304	<2	<0.5	14	<3	3	<5	<5	40	2	367	<5	
159	1168	0AA	X						bre-sil-oxd		ASU ASUNI		7984.349 19,550,065	<2	<0.5	3	<3	3	<5	<5	20	7	297	<5	
160	1169	0AA	X						bre-oxd		ASU ASUNI		7984.326 19,548,819	<2	<0.5	51	28	13	39	<5	80	5	372	<5	
161	1170	0AA	X						bre-sil		ASU ASUNI		7983.524 19,548,652	<2	<0.5	3	<3	4	<5	<5	20	2	711	<5	
162	1171	0AA	X						bre-sil		ASU ASUNI		7983.490 19,548,652	<2	<0.5	3	<3	11	<2	<5	20	12	201	<5	
164	1173	0AA	X						str-sil-oxd		TURAGURI		7993.709 19,561,300	<2	79	38	98	274	650	6	770	2	96	<5	
166	1175	0AA	X						r-arg-oxd		TURAGURI		7993.616 19,561,498	<2	2	34	204	1,554	<5	<5	60	<1	591	<5	
167	1176	0AA	X						str-sil-chl		TURAGURI		7993.538 19,561,598	<2	1	13	494	368	<5	<5	140	1	351	<5	
168	1177	0AA	X						r-sil		TURAGURI		7993.512 19,561,619	<2	1	18	170	40	<5	<5	290	2	489	<5	
169	1178	0AA	X						r-arg-oxd		TURAGURI		7993.540 19,561,673	<2	35	790	5,534	254	<5	<5	340	<1	903	<5	
170	1179	0AA	X						bre-sil-oxd		TURAGURI		7993.398 19,561,730	<2	5	46	103	6	<5	<5	10	2	643	<5	
171	1180	0AA	X						bre-sil-oxd		TURAGURI		7993.051 19,562,303	5	<0.5	6	84	73	6	<5	10	2	2894	<5	
172	1181	0AA	X					X	bre-sil-oxd		TURAGURI		7994.591 19,562,199	2	437	73	7,412	269	9	<5	400	9	2,984	<5	
173	1182	0AA	X						S-11		TURAGURI		7994.592 19,562,187	3	18	13	3,375	572	52	<5	130	1	4,008	<5	
174	1183	0AA	X						S-12		TURAGURI		7994.592 19,562,187	2	124	29	1,958	519	24	<5	130	7	3,956	<5	
175	1184	0AA	X						S-13		TURAGURI		7994.593 19,562,193	2	295	29	5,437	829	88	<5	270	2	4,788	<5	
176	1185	0AA	X						S-14		TURAGURI		7994.594 19,562,193	4	153	240	2,740	1,149	21	<5	740	7	5,260	<5	
177	1186	0AA	X						S-15		TURAGURI		7994.807 19,562,158	<2	<0.5	4	<3	<2	<5	<5	<5	<10	2	199	<5
178	1187	0AA	X						bre-sil-oxd		LOMA LLENA		7712.982 19,577,730	<2	<0.5	4	<3	<2	11	<5	20	2	429	<5	
179	1201	YSS	X						r-sil-bre		LOMA LLENA		7712.948 19,577,879	7	<0.5	24	93	105	34	<5	20	47	101	<5	
180	1202	YSS	X						r-arg		LOMA LLENA		7712.885 19,578,424	<2	<0.5	4	<3	<2	7	<5	10	4	105	<5	
181	1203	YSS	X						r-sil-bre		LOMA LLENA		7712.900 19,578,386	11	<0.5	6	<3	<2	7	<5	30	2	89	<5	
182	1204	YSS	X						r-sil-bre-arg		LOMA LLENA		7712.787 19,578,504	<2	<0.5	4	<3	<2	5	<5	3,420	12	355	<5	
183	1205	YSS	X						X		LOMA LLENA		7712.868 19,578,569	<2	<0.5	2	<3	<2	5	<5	10	2	51	<5	
184	1206	YSS	X						str-bre		LOMA LLENA		7712.268 19,578,416	<2	<0.5	5	<3	<2	5	<5	20	5	140	<5	
185	1207	YSS	X						str-bre		LOMA LLENA		7712.238 19,578,253	<2	<0.5	2	<3	<2	5	<5	10	1	100	<5	
186	1208	YSS	X						bre		LOMA LLENA		7712.095 19,578,336	<2	<0.5	2	<3	<2	5	<5	30	2	89	<5	
187	1209	YSS	X						str-bre		LOMA LLENA		7711.975 19,578,475	<2	<0.5	2	<3	<2	5	<5	10	2	69	<5	
188	1210	YSS	X						str-bre		LOMA LLENA		7723.917 19,572,043	<2	<0.5	18	3	4	12	<5	30	1	212	<5	
189	1211	YSS	X						r-sil		LOMA LLENA		7723.917 19,572,043	<2	<0.5	4	<3	<2	4	<5	40	3	801	<5	
190	1212	YSS	X						r-arg		LOMA LLENA		7724.152 19,572,183	<2	<0.5	2	<3	4	<5	40	<1	1,369	<5		
191	1213	YSS	X						r-arg		LOMA LLENA		7725.118 19,571,813	<2	<0.5	2	<3	<2	5	<5	10	<1	784	<5	
192	1214	YSS	X						r-arg		LOMA LLENA		7724.975 19,571,855	<2	<0.5	2	<3	<2	5	<5	20	<1	97	<5	
193	1215	YSS	X						r-sil		LOMA LLENA		7725.084 19,571,670	<2	<0.5	7	<3	2	6	<5	190	<1	96	<5	
194	1216	YSS	X						r-arg		LOMA LLENA		7725.353 19,572,020	<2	<0.5	15	<3	7	<5	5	10	2	219	<5	
195	1217	YSS	X						str-bre-arg		LOMA LLENA		7724.320 19,573,018	<2	<0.5	15	<3	7	<5	5	440	1	225	<5	
196	1218	YSS	X						str-bre-arg		LOMA LLENA		7724.387 19,573,006	3	<0.5	11	<3	5	5	<5	440	1	225	<5	
197	1219	YSS	X						str-bre		LOMA LLENA		7724.395 19,572,921	<2	<0.5	7	<3	3	15	<5	10	2	111	<5	
198	1220	YSS	X						str-sil-arg		LOMA LLENA		7710.718 19,579,069	3	<0.5	2	81	<2	12	<5	130	5	88	16	
199	1221	YSS	X						str-bre-arg		LOMA LLENA		7710.840 19,579,237	<2	<0.5	2	<3	<2	5	<5	<10	6	55	<5	
200	1222	YSS	X						str-bre-arg		LOMA LLENA		7711.206 19,579,177	<2	<0.5	2	<3	<2	5	<5	<10	2	146	<5	

Appendix 1 Sample List of Laboratory Works (All Samples)

Serial No.	Sample No.	CA	CA	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks
		rock	one								
201	1223	YSS	X							str-sil	
202	1224	YSS	X							r-sil	
203	1225	YSS	X							r-sil-jar	
204	1226	YSS	X							str-sil-ffc	
205	1227	YSS	X							r-sil-jar	
206	1228	YSS	X							bre-sil	
207	1229	YSS	X							str-sil-bre	
208	1230	YSS	X							str-sil-bre	
209	1231	YSS	X							str-sil-bre	
210	1232	YSS	X							str-sil-bre-ffc	
211	1233	YSS	X							str-sil-bre	
212	1234	YSS	X							str-sil	
213	1235	YSS	X							str-sil	
214	1236	YSS	X							r-arg	
215	1237	YSS	X							bre-arg	
216	1238	YSS	X							str-sil	
217	1239	YSS	X							str-sil-arg	
218	1240	YSS	X							r-arg	
219	1241	YSS	X			X				r-arg	
220	1242	YSS	X							str-bre	
221	1243	YSS	X							str-bre	
222	1244	YSS	X							str-bre	
223	1245	YSS	X							str-sil-bre	
224	1246	YSS	X							bre-ffc-jar-limo	
225	1247	YSS	X							str-arg-jar-limo	
226	1248	YSS	X							str-arg	
227	1249	YSS	X							str-sil	
228	1250	YSS	X							str-bre-sil	
229	1251	YSS	X							str-sil-jar	
230	1252	YSS	X							str-sil-ffc	
231	1253	YSS	X							str-arg-jar-limo	
232	1254	YSS	X							str-sil-bre	
233	1255	YSS	X							bre-arg	
234	1256	YSS	X							r-arg	
235	1257	YSS	X							str-bre	
236	1258	YSS	X							str-bre-arg	
237	1259	YSS	X							str-bre-arg	
238	1260	YSS	X							str-bre-arg	
239	1261	YSS	X							r-arg	
240	1262	YSS	X							str-bre-arg	
241	1263	YSS	X							vit-qtz	
242	1264	YSS	X							str-bre-arg	
243	1265	YSS	X							r-ffc-lim-jar	
244	1266	YSS	X							r-ffc-lim-jar	
245	1267	YSS	X							bre-sil	
246	1268	YSS	X							alt-da	
247	1269	YSS	X							str-sil-ffc	
248	1270	YSS	X							r-arg	
249	1271	YSS	X							str-sil-ffc	
250	1272	YSS	X							r-arg	

District	Location	UTM
		N E
LOMA LLENNA		7,711,414 19,579,344
CALORNO		7,784,052 19,543,651
CALORNO		7,783,989 19,543,967
CALORNO		7,784,050 19,543,442
CALORNO		7,784,212 19,540,268
CALORNO		7,784,256 19,542,939
CALORNO		7,784,255 19,542,960
CALORNO		7,784,237 19,542,831
CALORNO		7,784,093 19,542,694
CALORNO		7,783,850 19,542,638
CALORNO		7,783,990 19,542,424
CALORNO		7,783,908 19,542,096
CALORNO		7,783,806 19,541,994
CALORNO		7,783,892 19,541,640
CALORNO		7,783,189 19,543,980
CALORNO		7,783,067 19,544,116
CALORNO		7,782,982 19,544,139
CALORNO		7,782,933 19,544,291
CALORNO		7,782,910 19,544,210
CALORNO		7,782,891 19,544,174
CALORNO		7,782,843 19,544,431
CALORNO		7,782,890 19,544,384
CALORNO		7,782,976 19,544,470
CALORNO		7,782,892 19,544,627
CALORNO		7,782,830 19,544,351
CALORNO		7,782,704 19,544,143
CALORNO		7,783,108 19,544,273
CALORNO		7,783,163 19,544,350
CALORNO		7,783,092 19,544,865
CALORNO		7,783,098 19,544,967
CALORNO		7,782,783 19,545,005
CALORNO		7,782,675 19,545,053
CALORNO		7,782,595 19,545,021
CALORNO		7,782,355 19,545,206
CALORNO		7,784,354 19,542,964
CALORNO		7,754,297 19,542,981
CALORNO		7,754,123 19,543,198
CALORNO		7,754,037 19,543,345
CALORNO		7,755,986 19,543,384
CALORNO		7,755,852 19,543,625
CALORNO		7,755,978 19,543,788
CALORNO		7,754,116 19,544,556
SONIA SUSANA		7,916,068 19,518,774
SONIA SUSANA		7,917,640 19,518,600
SONIA SUSANA		7,917,622 19,518,724
SONIA SUSANA		7,917,450 19,520,187
SONIA SUSANA		7,917,313 19,520,048
SONIA SUSANA		7,917,310 19,520,226
SONIA SUSANA		7,917,114 19,520,222

Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
<2	<0.5	<2	<3	2	<5	<5	30	3	106	<5
<2	<0.5	19	<3	3	9	<5	40	2	240	<5
<2	<0.5	6	4	3	9	<5	20	<1	157	<5
<2	<0.5	3	<3	2	11	<5	140	<1	98	<5
<2	<0.5	12	<3	5	16	<5	190	2	217	<5
<2	<0.5	3	21	<2	6	<5	20	4	20	<5
<2	<0.5	<2	<3	<2	<5	<5	10	1	39	<5
<2	<0.5	<2	<3	<2	8	<5	80	<1	72	<5
<2	<0.5	6	<3	<2	6	<5	80	1	50	<5
<2	<0.5	10	<3	<2	19	<5	680	2	53	<5
3	<0.5	46	37	<2	164	7	570	7	218	<5
<2	<0.5	12	5	<2	<5	<5	20	4	772	<5
<2	<0.5	18	<3	<2	5	<5	160	6	907	<5
<2	<0.5	4	13	<2	7	<5	70	1	208	<5
<2	<0.5	3	8	<2	<5	<5	30	3	69	<5
<2	<0.5	2	<3	<2	<5	<5	20	6	155	<5
<2	<0.5	5	<3	2	<5	<5	60	3	769	<5
<2	<0.5	5	<3	<2	<5	<5	30	5	789	<5
<2	<0.5	3	<3	<2	<5	<5	10	18	960	<5
3	<0.5	6	4	4	5	<5	130	11	709	<5
<2	<0.5	<2	<3	<2	<5	<5	20	3	1299	<5
<2	<0.5	11	<3	6	22	<5	70	2	795	<5
<2	<0.5	5	<3	7	<5	<5	70	5	1356	<5
<2	<0.5	3	<3	<2	10	<5	10	<1	98	<5
<2	<0.5	32	<3	7	72	<5	10	16	1075	<5
<2	<0.5	8	<3	<2	11	<5	10	31	741	<5
<2	<0.5	5	<3	<2	6	<5	20	<1	219	<5
<2	<0.5	20	<3	<2	26	<5	430	2	80	<5
2	<0.5	48	5	<2	38	11	2450	5	924	<5
<2	<0.5	27	<3	25	51	6	30	3	120	<5
<2	<0.5	2	<3	<2	6	<5	30	2	82	<5
<2	<0.5	13	<3	<2	10	<5	240	4	196	<5
<2	<0.5	14	<3	<2	16	<5	460	2	140	<5
<2	<0.5	22	4	5	44	<5	1820	4	151	<5
<2	<0.5	24	5	13	12	<5	60	3	148	<5
<2	<0.5	21	<3	19	<5	<5	20	1	183	<5
<2	<0.5	19	4	8	29	<5	10	5	195	<5
<2	<0.5	19	<3	3	9	<5	200	1	256	<5
<2	<0.5	8	8	<2	34	<5	10	2	40	<5
<2	<0.5	53	<3	17	36	<5	80	3	156	<5
<2	<0.5	12	<3	4	92	<5	110	4	312	<5
13	1	123	953	82	50	<5	20	2	247	<5
100	3	122	1,051	96	15	<5	80	7	104	7
2	<0.5	13	20	214	48	<5	20	2	76	<5
2	3	6	255	219	33	<5	30	3	106	<5
13	18	53	99	62	9	<5	60	9	936	<5
26	10	49	935	125	8	<5	30	4	128	<5
2	6	35	306	76	7	<5	40	42	60	<5
<2	<0.5	5	18	40	14	<5	20	<1	287	<5

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock ore	CA	TS	PS	KR	FI	DT	STD	Field name of Rock	Remarks
251	1273 YSS X	X								str-sil	
252	1274 YSS X	X								str-sil	
253	1275 YSS X	X								str-sil-fc	
254	1276 YSS X	X								str-sil	
255	1277 YSS X	X								vit-qz	
256	1278 YSS X	X								str-sil-chl	
257	1279 YSS X	X								str-sil-fc-lim	
258	1280 YSS X	X								vit-sil-gr-cal	
259	1281 YSS X	X								str-sil	
260	1282 YSS X	X								str-sil-bre	
261	1283 YSS X	X								str-sil	
262	1284 YSS X	X								str-sil	
263	1285 YSS X	X								str-sil	
264	1286 YSS X	X								str-sil	
265	1287 YSS X	X								str-sil-fc	
266	1288 YSS X	X								str-sil-fc	
267	1289 YSS X	X								str-sil-fc	
268	1290 YSS X	X								str-sil-chl-fc	
269	1291 YSS X	X								str-sil-fc	
270	1292 YSS X	X								str-sil-fc-jar	
271	1293 YSS X	X							X	str-sil-s	
272	1294 YSS X	X							X	str-sil-bre-s	
273	1295 YSS X	X								str-bre-sil-s	
274	1296 YSS X	X								str-sil-fc-jar	
275	1297 YSS X	X								str-sil-fc-jar	S-1
276	1298 YSS X	X								dump	S-3
277	1299 YSS X	X					X			vit	S-5
278	1300 YSS X	X								vit	
279	1301 MNL X	X							X	bre	
280	1302 MNL X	X								bre	
281	1303 MNL X	X								bre	
282	1304 MNL X	X								bre	
283	1305 MNL X	X					X			tbr	
284	1306 MNL X	X					X			tbr	
285	1307 MNL X	X								tbr	
286	1308 MNL X	X					X			tbr	
287	1309 MNL X	X								bre	
288	1310 MNL X	X								tf-sil	
289	1311 MNL X	X								tf-oxid	
290	1312 MNL X	X								tf	
291	1313 MNL X	X								tf	
292	1314 MNL X	X								tbr	
293	1315 MNL X	X								tf	
294	1316 MNL X	X								bre	
295	1317 MNL X	X								bre	
296	1318 MNL X	X								per	
297	1319 MNL X	X								str-sil	
298	1320 MNL X	X								tf	
299	1321 MNL X	X					X			tf-sil	
300	1322 MNL X	X								tf-per	

Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Sa ppm	Sn ppm
<2	<0.5	4	8	9	<5	<5	<110	5	65	<5
<2	<0.5	4	21	18	26	<5	20	2	1,170	<5
20	3	20	16	33	81	<5	20	2	69	<5
<2	<0.5	<2	9	15	<5	<5	20	1	31	<5
16	6	5	22	51	15	<5	10	<1	40	<5
<2	<0.5	7	17	39	<5	<5	<10	<1	50	<5
<2	1	6	19	27	9	<5	240	2	668	<5
<2	<0.5	<2	4	245	<5	<5	40	1	1,574	<5
<2	<0.5	3	28	33	5	<5	10	3	125	<5
<2	<0.5	4	21	92	21	<5	10	1	348	<5
<2	<0.5	13	24	72	34	<5	<10	9	228	<5
<2	<0.5	11	486	20	17	<5	10	6	275	<5
<2	<0.5	2	5	17	6	<5	10	2	198	<5
<2	<0.5	2	52	25	<5	<5	20	2	97	<5
<2	<0.5	19	10	26	<5	<5	<5	2	191	<5
<2	<0.5	11	22	23	<5	<5	50	2	102	<5
<2	<0.5	<2	<3	<2	<5	<5	40	1	327	<5
<2	<0.5	5	3	5	<5	<5	<10	1	1,191	<5
<2	<0.5	<2	<3	44	<5	<5	<10	<1	201	<5
<2	<0.5	<2	<3	2	<5	<5	<10	<1	273	<5
<2	<0.5	5	3	5	<5	<5	20	2	305	<5
<2	<0.5	<2	<3	<2	<5	<5	50	1	198	<5
<2	<0.5	5	3	3	<5	<5	40	1	327	<5
<2	<0.5	<2	<3	8	<5	<5	<10	4	171	<5
<2	<0.5	4	4	<2	<5	<5	60	4	145	<5
<2	<0.5	<2	<3	5	<5	<5	10	1	145	<5
136	890	213	66,600	1,916	71	<5	320	6	55	<5
10	315	535	2,395	5,757	241	15	2,420	2	5,953	<5
<2	<0.5	17	2,193	926	23	<5	70	3	3,225	<5
<2	<0.5	5	4	6	6	<5	20	5	539	<5
<2	<0.5	29	6	5	3	<5	110	6	317	<5
<2	<0.5	3	6	15	<5	<5	10	5	777	<5
<2	<0.5	6	5	5	17	<5	10	2	116	<5
<2	<0.5	<2	<3	<2	<5	<5	20	2	12	<5
<2	<0.5	<2	<3	<2	<5	<5	10	3	276	<5
<2	<0.5	25	<2	65	<5	<5	20	<1	101	<5
<2	<0.5	<2	<3	<2	<5	<5	10	3	218	<5
2	<0.5	4	4	2	6	<5	80	8	196	<5
<2	<0.5	4	4	9	<5	<5	10	<1	790	<5
<2	<0.5	29	3	15	<5	<5	670	1	190	<5
<2	<0.5	<2	<3	2	<5	<5	30	<1	914	<5
<2	<0.5	36	4	31	32	<5	10	21	214	<5
<2	<0.5	34	4	7	30	<5	160	5	423	<5
<2	<0.5	53	<3	29	<5	<5	70	<1	110	<5
<2	<0.5	15	8	3	11	<5	130	<1	178	<5
<2	<0.5	9	<3	<2	<5	<5	240	<1	840	<5
<2	<0.5	5	6	2	13	<5	40	1	218	<5
<2	<0.5	5	<3	5	5	<5	130	1	963	<5
<2	<0.5	11	4	<2	19	<5	80	3	159	<5
<2	<0.5	4	4	<2	16	<5	230	1	69	<5
<2	<0.5	6	6	<3	5	<5	120	6	575	<5

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	CA ore	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
														N	E											
301	1323 MML	X	X							por-da		CALORNO		7.763.817	19.543.946	<2	<0.5	5	3	<2	95	<5	420	3	52	<5
302	1324 MML	X	X	X						por-da		CALORNO		7.763.174	19.543.085	<2	<0.5	46	3	30	37	<5	262	4	125	<5
303	1325 MML	X	X							por		CALORNO		7.763.282	19.543.147	<2	<0.5	<2	<3	<2	6	<5	90	8	93	<5
304	1326 MML	X	X							por		CALORNO		7.763.200	19.543.079	<2	<0.5	4	3	<2	43	<5	50	12	234	<5
305	1327 MML	X	X							por-sil		CALORNO		7.763.600	19.543.921	<2	<0.5	6	13	<2	5	<5	10	8	423	<5
306	1328 MML	X	X							bre		CALORNO		7.763.261	19.542.827	<2	<0.5	5	14	<2	10	<5	50	5	436	<5
307	1329 MML	X	X							bre		CALORNO		7.763.093	19.542.853	<2	<0.5	7	22	<2	23	<5	1080	7	1.133	<5
308	1330 MML	X	X							bre		CALORNO		7.763.070	19.542.592	<2	<0.5	3	<3	<2	5	<5	30	4	485	<5
309	1331 MML	X	X							tr-ag		LOMA LLENA		7.710.180	19.579.050	<2	<0.5	8	4	4	8	<5	70	2	219	<5
310	1332 MML	X	X							tf		LOMA LLENA		7.710.341	19.578.757	<2	<0.5	2	8	<2	7	<5	630	2	88	<5
311	1333 MML	X	X							tf		LOMA LLENA		7.710.441	19.578.705	<2	<0.5	<2	<2	<2	5	<5	50	1	657	<5
312	1334 MML	X	X							lpf		LOMA LLENA		7.710.487	19.578.571	<2	<0.5	4	7	<2	5	<5	60	5	543	5
313	1335 MML	X	X							bre-sil		LOMA LLENA		7.710.594	19.578.564	<2	<0.5	6	<3	3	17	<5	730	7	288	<5
314	1336 MML	X	X							lpf		LOMA LLENA		7.710.775	19.578.546	<2	<0.5	5	<3	<2	5	<5	30	6	100	<5
315	1337 MML	X	X							tfbr		LOMA LLENA		7.710.698	19.578.440	<2	<0.5	4	96	7	<5	<5	10	4	104	<5
316	1338 MML	X	X							bre-sil		LOMA LLENA		7.710.522	19.578.391	3	<0.5	11	58	<2	30	<5	40	16	388	<5
317	1339 MML	X	X							bre		CALORNO		7.762.968	19.542.221	<2	<0.5	11	<3	3	7	<5	110	3	99	<5
318	1340 MML	X	X							tfbr		CALORNO		7.793.795	19.542.731	<2	<0.5	6	7	<2	17	<5	20	4	97	<5
319	1341 MML	X	X							tf		CALORNO		7.763.841	19.542.890	<2	<0.5	14	<3	<2	12	<5	280	2	108	<5
320	1342 MML	X	X							an		CALORNO		7.754.220	19.544.820	<2	2	26	8	51	222	<5	100	3	162	<5
321	1343 MML	X	X							tf-da		CALORNO		7.763.863	19.542.805	<2	<0.5	5	<3	<2	19	<5	90	4	32	<5
322	1344 MML	X	X							tf		CALORNO		7.763.872	19.542.582	<2	<0.5	11	<3	<2	13	<5	380	3	114	<5
323	1345 MML	X	X							bre		CALORNO		7.763.890	19.542.382	<2	<0.5	10	7	<2	10	<5	10	2	182	<5
324	1346 MML	X	X							bre		CALORNO		7.763.887	19.542.178	<2	<0.5	7	6	<2	15	<5	30	1	93	<5
325	1347 MML	X	X							bre		CALORNO		7.763.590	19.542.269	<2	<0.5	8	<3	<2	17	<5	100	2	43	<5
326	1348 MML	X	X							bre		CALORNO		7.763.134	19.542.140	<2	<0.5	4	12	<2	6	<5	70	2	640	<5
327	1349 MML	X	X							bre		CALORNO		7.766.528	19.547.174	<2	<0.5	6	12	<2	28	<5	20	13	149	<5
328	1350 MML	X	X							tf		CALORNO		7.766.270	19.547.160	<2	<0.5	48	289	11	72	<5	40	191	212	<5
329	1351 MML	X	X							tf		CALORNO		7.766.017	19.547.033	<2	<0.5	31	5	4	23	<5	80	2	289	<5
330	1352 MML	X	X							bre		CALORNO		7.765.576	19.547.091	<2	<0.5	8	<3	<2	7	<5	90	5	537	<5
331	1353 MML	X	X							bre		CALORNO		7.765.138	19.547.165	<2	<0.5	6	<3	2	27	<5	10	4	319	<5
332	1354 MML	X	X							bre		CALORNO		7.767.283	19.547.560	<2	<0.5	22	10	<2	26	<5	870	11	169	<5
333	1355 MML	X	X							bre		CALORNO		7.767.126	19.547.109	<2	<0.5	11	5	<2	16	<5	30	3	180	<5
334	1356 MML	X	X							tf		CALORNO		7.767.271	19.546.883	<2	<0.5	16	<3	14	<5	<5	130	2	387	<5
335	1357 MML	X	X							por		CALORNO		7.768.106	19.546.105	<2	<0.5	4	<3	4	8	<5	20	<1	174	<5
336	1358 MML	X	X							bre		CALORNO		7.765.534	19.545.663	<2	<0.5	37	5	9	112	<5	600	6	180	<5
337	1359 MML	X	X							bre		CALORNO		7.765.003	19.545.921	<2	<0.5	5	<3	3	26	<5	40	7	207	<5
338	1360 MML	X	X							bre		CALORNO		7.764.781	19.547.352	<2	<0.5	9	3	4	31	<5	20	2	268	<5
339	1361 MML	X	X							tf-wit		CALORNO		7.764.962	19.547.572	<2	<0.5	22	<3	23	33	<5	10	<1	216	<5
340	1362 MML	X	X							bre		CALORNO		7.765.159	19.547.698	<2	<0.5	35	<3	32	818	<5	40	1	154	<5
341	1363 MML	X	X							por-tf		SONIA SUSANA		7.918.213	19.518.691	<2	<0.5	220	520	145	42	<5	10	2	162	<5
342	1364 MML	X	X							por-da		SONIA SUSANA		7.918.189	19.518.732	3	1	12	116	22	18	<5	10	2	108	<5
343	1365 MML	X	X							por-da		SONIA SUSANA		7.917.934	19.518.799	<2	<0.5	3	47	137	235	<5	20	4	113	<5
344	1366 MML	X	X							por-da		SONIA SUSANA		7.917.601	19.518.668	<2	<0.5	4	13	93	29	<5	20	8	78	<5
345	1367 MML	X	X							an		SONIA SUSANA		7.917.590	19.515.061	<2	<0.5	47	4	107	<5	<5	20	1	117	<5
346	1368 MML	X	X	X						an		SONIA SUSANA		7.917.743	19.515.263	<2	<0.5	61	5	66	<5	<5	10	3	62	<5
347	1369 MML	X	X							tf		SONIA SUSANA		7.917.594	19.515.291	<2	<0.5	25	7	17	7	<5	10	1	501	<5
348	1370 MML	X	X	X						an		SONIA SUSANA		7.917.814	19.515.566	<2	<0.5	8	3	18	5	<5	<10	1	448	<5
349	1371 MML	X	X	X	X					bre		SONIA SUSANA		7.917.718	19.515.657	<2	<0.5	8	8	112	<5	<5	30	<1	156	<5
350	1372 MML	X	X							bre		SONIA SUSANA		7.917.850	19.515.907	<2	<0.5	2	9	15	15	<5	10	1	1380	<5

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock ore	CA	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
														N	E												
351	1373	MHL	X			X				por		SONIA SUSANA		7.917.929	19.515.070	<2	<0.5	115	14	88	<5	<5	<10	<1	156	<5	
352	1374	MHL	X							bre		SONIA SUSANA		7.917.760	19.515.845	<2	<0.5	2	3	32	<5	<5	30	<1	801	<5	
353	1375	MHL	X							an		SONIA SUSANA		7.917.464	19.513.878	<2	<0.5	4	9	84	<5	<5	30	<1	141	<5	
354	1376	MHL	X							bre		SONIA SUSANA		7.917.996	19.515.913	<2	<0.5	3	<3	6	<5	<5	10	1	268	<5	
355	1377	MHL	X							vlt-qz		SONIA SUSANA		7.917.990	19.513.985	<2	<0.5	24	75	115	<5	<5	20	5	65	<5	
356	1378	MHL	X							bre		SONIA SUSANA		7.917.431	19.518.147	<2	<0.5	1	63	<3	54	7	<5	10	372	<5	
357	1379	MHL	X							tf		SONIA SUSANA		7.917.409	19.518.413	<2	<0.5	3	<3	19	<5	<5	<10	<1	201	<5	
358	1380	MHL	X			X				tf-por		SONIA SUSANA		7.917.961	19.516.640	<2	<0.5	2	<3	238	<5	<5	<10	<1	193	<5	
359	1381	MHL	X							tf		SONIA SUSANA		7.917.949	19.518.963	<2	<0.5	1	12	77	149	<5	<10	145	43	<5	
360	1382	MHL	X							dr-por		SONIA SUSANA		7.913.841	19.516.354	<2	<0.5	4	12	29	<5	<5	20	3	566	<5	
361	1383	MHL	X							da		SONIA SUSANA		7.913.979	19.516.422	<2	<0.5	25	14	103	5	<5	120	1	314	<5	
362	1384	MHL	X							r-sil		SONIA SUSANA		7.913.829	19.516.024	<2	<0.5	<2	6	50	<5	<5	30	1	152	<5	
363	1385	MHL	X							r-sil		SONIA SUSANA		7.914.127	19.515.806	<2	<0.5	2	29	15	11	<5	30	<1	107	<5	
364	1386	MHL	X							bre		SONIA SUSANA		7.914.037	19.516.385	<2	<0.5	5	23	673	43	39	<5	580	9	259	<5
365	1387	MHL	X							bre		SONIA SUSANA		7.914.137	19.516.378	<2	<0.5	14	8	28	<5	<5	80	1	191	<5	
366	1388	MHL	X			X				bre		SONIA SUSANA		7.984.044	19.551.029	<2	<0.5	14	<3	20	<5	<5	20	<1	250	<5	
367	1389	MHL	X			X				bre		ASU ASUNI		7.984.024	19.550.882	<2	<0.5	15	7	82	<5	<5	10	<1	191	<5	
368	1390	MHL	X							an		ASU ASUNI		7.983.754	19.550.781	<2	<0.5	4	5	6	<5	<5	20	<1	114	<5	
369	1391	MHL	X							bre		ASU ASUNI		7.983.511	19.550.705	<2	<0.5	<2	13	2	<5	<5	10	3	194	<5	
370	1392	MHL	X							bre		ASU ASUNI		7.983.289	19.550.732	<2	<0.5	16	<3	11	<5	<5	70	<1	242	<5	
371	1393	MHL	X			X				bre		ASU ASUNI		7.983.123	19.550.669	<2	<0.5	28	3	4	<5	<5	40	<1	258	<5	
372	1394	MHL	X							bre		ASU ASUNI		7.982.928	19.550.963	<2	<0.5	4	<3	4	<5	<5	20	<1	152	<5	
373	1395	MHL	X			X				r-por		ASU ASUNI		7.982.875	19.550.561	<2	<0.5	24	<3	433	<5	<5	10	<1	152	<5	
374	1396	MHL	X			X				vein		TURAQURI		7.994.598	19.562.215	3	877	125	4,400	2,834	22	<5	360	2	6,595	<5	
375	1397	MHL	X				X			vein	S-6	TURAQURI		7.994.592	19.562.216	<2	<0.5	4	4	213	1,097	51	<5	280	<1	4,046	<5
376	1398	MHL	X			X				vein-qz	S-8	TURAQURI		7.994.593	19.562.204	<2	<0.5	92	92	5,198	611	33	<5	160	2	1,466	<5
377	1399	MHL	X			X				dump	S-10	TURAQURI		7.994.250	19.562.310	78	646	2,663	13,400	2,828	100	<5	270	5	78	<5	
378	1401	FMS	X			X				an tf		LOMA LLENA		7.717.500	19.577.500	<2	<0.5	3	<3	3	<5	<5	20	<1	133	<5	
379	1402	FMS	X							hyd bre vein		LOMA LLENA		7.717.817	19.577.600	<2	<0.5	13	<3	9	<5	<5	10	<1	180	<5	
380	1403	FMS	X							vei bre		LOMA LLENA		7.717.600	19.577.600	<2	<0.5	23	<3	12	<5	<5	10	<1	171	<5	
381	1404	FMS	X							px hb an voi bre		LOMA LLENA		7.717.760	19.577.435	<2	<0.5	28	<3	57	<5	<5	10	<1	192	<5	
382	1405	FMS	X							px an lava		LOMA LLENA		7.717.680	19.577.120	<2	<0.5	16	<3	10	<5	<5	20	1	205	<5	
383	1406	FMS	X							px an lava		LOMA LLENA		7.717.485	19.577.125	<2	<0.5	27	<3	50	<5	<5	20	2	55	<5	
384	1407	FMS	X							an lptf		LOMA LLENA		7.717.100	19.577.015	<2	<0.5	12	<3	8	6	<5	30	1	123	<5	
385	1408	FMS	X							an lptf		LOMA LLENA		7.716.973	19.577.100	<2	<0.5	20	<3	5	<5	<5	70	<1	95	<5	
386	1409	FMS	X			X				an da lptf		LOMA LLENA		7.725.430	19.571.810	4	<0.5	3	3	2	19	<5	60	2	135	<5	
387	1410	FMS	X			X				an da lava		LOMA LLENA		7.725.655	19.571.500	<2	<0.5	45	5	3	28	<5	90	10	154	<5	
388	1411	FMS	X							an da lava		LOMA LLENA		7.725.666	19.571.060	<2	<0.5	9	5	<2	7	<5	160	4	184	<5	
389	1412	FMS	X							hyd bre vein		LOMA LLENA		7.728.425	19.571.275	<2	<0.5	6	22	8	30	<5	10	<1	126	<5	
390	1413	FMS	X							da an lava		LOMA LLENA		7.727.150	19.571.470	<2	<0.5	96	<3	9	38	<5	470	2	287	<5	
391	1414	FMS	X			X				an lava		LOMA LLENA		7.725.810	19.571.470	<2	<0.5	11	34	5	51	<5	<10	7	208	<5	
392	1415	FMS	X							an lava		LOMA LLENA		7.725.380	19.571.060	<2	<0.5	32	<3	8	9	<5	40	<1	105	<5	
393	1416	FMS	X			X				an da lava		LOMA LLENA		7.725.240	19.571.025	<2	<0.5	15	<3	17	<5	<5	40	1	111	<5	
394	1417	FMS	X							an da lava		LOMA LLENA		7.725.155	19.570.740	<2	<0.5	8	<3	<2	8	<5	20	2	683	<5	
395	1418	FMS	X			X				an lava		CALORNO		7.784.180	19.539.780	<2	<0.5	5	<3	<2	16	<5	60	2	257	<5	
396	1419	FMS	X							an lava		CALORNO		7.784.385	19.539.900	<2	<0.5	58	<3	18	<5	<5	20	1	936	<5	
397	1420	FMS	X							an lava		CALORNO		7.784.900	19.540.300	<2	<0.5	22	3	2	41	<5	30	2	123	<5	
398	1421	FMS	X			X				an lava		CALORNO		7.784.750	19.540.450	<2	<0.5	19	<3	2	57	<5	50	3	59	<5	
399	1422	FMS	X							bt an da lava		CALORNO		7.784.825	19.540.700	<2	<0.5	8	9	3	21	<5	100	5	138	<5	
400	1423	FMS	X							bt an da lptf		CALORNO		7.784.955	19.540.970	<2	<0.5	4	<3	3	<5	<5	20	14	828	<5	

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	CA ore	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM N	UTM E	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
401	1424	FMS	X	X		X				an lava	st sil op vit	CALORNO		7,764,870	19,541,700	<2	<0.5	16	19	2	29	<5	130	19	321	<5
402	1425	FMS	X							an lava	st hema m sil	CALORNO		7,764,585	19,541,595	<2	<0.5	103	28	3	23	<5	20	4	88	<5
403	1426	FMS	X							an lava	st sil	CALORNO		7,765,200	19,541,925	2	<0.5	18	12	<2	24	<5	30	5	125	<5
404	1427	FMS	X							an lava	st sil py	CALORNO		7,765,700	19,541,920	<2	<0.5	7	76	<2	29	<5	40	3	104	<5
405	1428	FMS	X							an lava	m arg	CALORNO		7,766,320	19,541,010	2	<0.5	14	<3	13	127	<5	420	4	242	<5
406	1429	FMS	X							an lava	st sil arg	CALORNO		7,765,700	19,542,700	<2	<0.5	<2	4	<2	<3	<5	10	<1	268	<5
407	1430	FMS	X							vein	barred calcdony	CALORNO		7,765,680	19,542,535	<2	<0.5	7	<3	<2	25	<5	70	<1	64	<5
408	1431	FMS	X							an lptf	st arg m sil	CALORNO		7,765,935	19,540,580	4	<0.5	107	6	17	123	<5	30	8	178	<5
409	1432	FMS	X							an lptf	st arg m sil	CALORNO		7,765,600	19,540,180	2	<0.5	3	14	<2	7	<5	<10	2	407	<5
410	1433	FMS	X							an lptf	st sil	CALORNO		7,766,025	19,539,910	<2	<0.5	30	<3	<2	9	<5	1,920	2	138	<5
411	1434	FMS	X							boulder	ly hema sil hyd bre	CALORNO		7,766,575	19,547,331	<2	<0.5	76	3	12	42	<5	40	8	71	<5
412	1435	FMS	X							an lava	st sil arg	CALORNO		7,766,310	19,547,400	<2	<0.5	18	5	3	15	<5	140	6	547	<5
413	1436	FMS	X							an lf	m sil veins	CALORNO		7,766,110	19,547,375	<2	<0.5	35	6	9	74	<5	30	5	411	<5
414	1437	FMS	X							vol bre	st sil arg	CALORNO		7,765,615	19,547,115	<2	<0.5	47	6	7	9	<5	20	3	222	<5
415	1438	FMS	X							vol bre	m st sil limo	CALORNO		7,765,250	19,547,120	<2	<0.5	36	<3	5	483	<5	10	3	169	<5
416	1439	FMS	X							an lf	st sil arg limo bre	CALORNO		7,764,950	19,547,180	<2	<0.5	8	<3	12	115	<5	40	2	90	<5
417	1440	FMS	X							vol bre	st sil hema	CALORNO		7,765,142	19,547,190	<2	<0.5	9	124	9	30	<5	20	3	543	<5
418	1441	FMS	X							an lf	st arg m sil limo	CALORNO		7,767,070	19,547,425	<2	<0.5	29	6	12	205	<5	20	3	848	<5
419	1442	FMS	X							an lf	st sil	CALORNO		7,767,400	19,547,150	<2	<0.5	16	13	5	14	<5	280	5	400	<5
420	1443	FMS	X							an lava	w m arg limo	CALORNO		7,765,790	19,545,580	<2	<0.5	29	5	24	22	<5	80	1	191	<5
421	1444	FMS	X							vol bre	m sil arg limo	CALORNO		7,764,885	19,546,015	<2	<0.5	9	3	5	12	<5	110	4	131	<5
422	1445	FMS	X							an lptf	m st sil limo	CALORNO		7,765,180	19,546,750	<2	<0.5	4	7	7	129	<5	30	9	153	<5
423	1446	FMS	X							an lptf	st sil	CALORNO		7,765,225	19,547,500	<2	<0.5	15	<3	14	1,647	<5	30	6	120	<5
424	1447	FMS	X							hyd bre	m st sil hema limo	CALORNO		7,765,300	19,543,870	<2	<0.5	18	<3	11	<3	<5	10	<1	80	<5
425	1448	FMS	X							hb bt an da lava	st m arg sil py	CALORNO		7,754,390	19,543,050	<2	<0.5	61	20	51	16	<5	90	3	322	<5
426	1449	FMS	X							hb bt an da lava	calcdony vein	CALORNO		7,754,300	19,543,180	<2	<0.5	6	4	3	24	<5	40	3	168	<5
427	1450	FMS	X							hb bt an da lava	st sil hema limo	CALORNO		7,754,130	19,543,300	<2	<0.5	3	19	<2	5	<5	10	2	159	<5
428	1451	FMS	X							hb bt an da lava	st sil m arg	CALORNO		7,754,120	19,543,300	<2	<0.5	11	11	19	16	<5	10	2	149	<5
429	1452	FMS	X							hb bt an da lava	st arg sil	CALORNO		7,754,100	19,544,085	<2	<0.5	37	<3	67	6	<5	110	<1	736	<5
430	1453	FMS	X							hb bt an da lava	sil vein (?) st arg	CALORNO		7,754,310	19,544,440	<2	<0.5	11	<3	10	847	<5	840	4	67	<5
431	1454	FMS	X							hb bt an da lava	st sil vit py	CALORNO		7,754,360	19,544,820	<2	<0.5	25	<3	5	308	<5	60	43	288	<5
432	1455	FMS	X							hb bt an da lava	vein vit hema hyd bre	CALORNO		7,918,735	19,517,785	15	3	250	857	143	90	<5	20	<1	164	<5
433	1456	FMS	X							bt an da lp lf	st arg	SONIA SUSANA		7,918,465	19,517,950	37	2	169	511	96	174	<5	<10	43	297	<5
434	1457	FMS	X							an lava	m sil arg	SONIA SUSANA		7,918,370	19,518,093	6	3	80	1,284	126	18	<5	<10	3	261	<5
435	1458	FMS	X							an lava	m st sil arg	SONIA SUSANA		7,918,160	19,518,080	38	1	119	624	84	20	<5	10	7	244	<5
436	1459	FMS	X							an lava	m st sil arg	SONIA SUSANA		7,917,900	19,518,030	9	6	149	200	35	<5	<5	<10	1	98	<5
437	1460	FMS	X							an lp lf	st arg limo m sil	SONIA SUSANA		7,917,800	19,518,050	59	8	278	233	98	37	<5	<10	3	102	<5
438	1461	FMS	X							an lp lf	st arg m sil	SONIA SUSANA		7,919,200	19,518,350	20	<0.5	114	117	791	76	<5	30	21	92	<5
439	1462	FMS	X							bt an da lf	m sil arg vit py	SONIA SUSANA		7,917,977	19,513,952	<2	<0.5	<2	13	10	<3	<5	<10	<1	244	<5
440	1463	FMS	X							bt an da lf	m sil arg	SONIA SUSANA		7,918,055	19,513,685	<2	<0.5	2	18	52	11	<5	10	<1	365	<5
441	1464	FMS	X							bt an da lp lf	st sil m arg	SONIA SUSANA		7,917,740	19,513,900	<2	<0.5	<2	9	10	<5	<5	20	<1	77	<5
442	1465	FMS	X							bt an da lp lf	m sil arg limo	SONIA SUSANA		7,917,440	19,513,700	<2	<0.5	<2	10	14	<5	<5	60	<1	62	<5
443	1466	FMS	X							bt an da lp lf	m arg limo	SONIA SUSANA		7,916,950	19,512,900	<2	<0.5	15	105	428	<5	<5	40	<1	15	<5
444	1467	FMS	X							bt an da lp lf	st arg m sil	SONIA SUSANA		7,917,140	19,514,280	<2	<0.5	3	12	26	<5	<5	10	<1	287	<5
445	1468	FMS	X							bt an da lp lf	st arg py	SONIA SUSANA		7,917,040	19,513,975	2	<0.5	<2	11	55	12	<5	30	<1	225	<5
446	1469	FMS	X							bt an da lp lf	st sil arg	SONIA SUSANA		7,917,340	19,514,460	<2	<0.5	3	9	8	<5	<5	10	1	173	<5
447	1470	FMS	X							bt an da lp lf	st sil	SONIA SUSANA		7,917,400	19,514,380	<2	<0.5	<2	11	11	7	<5	10	<1	135	<5
448	1471	FMS	X							bt an da lp lf	st sil	SONIA SUSANA		7,917,400	19,514,380	<2	<0.5	<2	11	11	7	<5	10	<1	135	<5
449	1472	FMS	X							an lava	st sil arg	CHULLCANI	Co. Chullcani	7,978,200	19,516,330	<2	<0.5	34	15	22	8	<5	380	2	799	<5
450	1473	FMS	X							bt an da lava	st arg m sil limo	CHULLCANI	Co. Chullcani	7,977,985	19,517,700	<2	<0.5	1	8	22	52	<5	20	1	364	<5

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-LUYUNI AREA

Serial No.	Sample No.	CA rock	CA one	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM N	UTM E	Au pbb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
451	1474 FMS	X								bt an da tf	at arg m sil	CHULLCANI	Co. Chullacani	7,976,270	19,517,828	<2	<0.5	8	8	75	<5	<5	10	2	157	<5	
452	1475 FMS	X			X					bt an da tf	at sil arg	CHULLCANI	Co. Chullacani	7,977,790	19,518,360	<2	<0.5	13	<3	8	12	<5	40	6	237	<5	
453	1476 FMS	X							X	an vol bre	at sil arg vit.py	CHULLCANI	Co. Chullacani	7,977,300	19,518,590	<2	<0.5	16	<3	19	<5	<5	10	2	168	<5	
454	1477 FMS	X								an vol bre	at sil limo m arg	CHULLCANI	Co. Chullacani	7,977,480	19,518,590	344	4	25	2,569	21	373	10	110	9	949	<5	
455	1478 FMS	X			X					irreg lent vein	at sil limo irregular	CHULLCANI	Co. Chullacani	7,977,500	19,518,740	121	<0.5	17	280	19	21	<5	60	9	2,760	<5	
456	1479 FMS	X								irreg lent vein	at sil arg	CHULLCANI	Co. Chullacani	7,977,770	19,519,070	<2	<0.5	59	5	9	19	<5	70	4	273	<5	
457	1480 FMS	X								px an lava	at sil arg	CHULLCANI	Co. Chullacani	7,977,810	19,519,220	<2	<0.5	34	4	12	5	<5	140	<1	297	<5	
458	1481 FMS	X								px an lava	at sil arg	CHULLCANI	Co. Chullacani	7,978,000	19,519,420	<2	<0.5	15	19	34	16	<5	140	2	108	<5	
459	1482 FMS	X								px an lava	at sil	CHULLCANI	Co. Chullacani	7,978,000	19,519,710	<2	<0.5	9	9	46	<5	<5	10	1	91	<5	
460	1483 FMS	X								bt an da fine g lava	lens bre at sil bwk	TURAOQUI		7,995,770	19,561,890	<2	1	7	132	18	<5	<5	40	1	193	<5	
461	1484 FMS	X			X					bt an da fine g lava	at sil py	TURAOQUI		7,995,520	19,581,050	<2	<0.5	4	77	45	161	<5	420	<1	237	<5	
462	1485 FMS	X								bt da lo tf	narrow m sil arg halos	TURAOQUI		7,995,215	19,580,760	<2	38	368	9,265	2,985	7	<5	300	2	4,448	<5	
463	1486 FMS	X								vein	barite ox Mn limo	TURAOQUI		7,994,820	19,580,780	<2	12	14	62	367	<5	<5	50	2	281	<5	
464	1487 FMS	X			X					banded vein	barite ox Mn limo	TURAOQUI		7,994,605	19,582,167	8	191	94	653	464	8	<5	50	8	3,287	<5	
465	1488 FMS	X								vein	qz ga sph barite	TURAOQUI		7,994,599	19,582,184	<2	251	159	2,585	898	12	<5	70	2	5,168	<5	
466	1489 FMS	X								vein	bands qz barite(S-16)	TURAOQUI		7,994,810	19,582,184	7	399	75	9,196	1,058	13	<5	110	6	4,721	<5	
467	1490 FMS	X								vein	bands qz barite(S-17)	TURAOQUI		7,994,810	19,582,184	20	229	24	1,393	1,463	88	<5	90	4	3,715	<5	
468	1491 FMS	X								vein	barite limo qz(S-18)	TURAOQUI		7,994,608	19,582,109	24	287	61	25,000	4,503	61	<5	80	4	3,968	<5	
469	1492 FMS	X								vein	barite limo qz(S-19)	TURAOQUI		7,994,487	19,582,047	<2	7	6	82	3,801	<5	20	1	3,948	<5		
470	1493 FMS	X			X					bt an da lava	at limo lens barite qz(S-20)	TURAOQUI		7,994,481	19,582,025	<2	6	4	118	2,215	<5	<5	110	2	922	<5	
471	1494 FMS	X								bt da pl tf	w sil(S-21)	TURAOQUI		7,994,481	19,582,025	<2	6	4	118	2,215	<5	<5	110	2	922	<5	
472	1501 GOC	X								r-sil	w sil limo(S-22)	LOMA LLENA		7,705,908	19,581,635	<2	<0.5	6	<3	9	<5	<5	<10	4	170	<5	
473	1502 GOC	X								bre-oxid		LOMA LLENA		7,710,488	19,581,738	<2	<0.5	5	5	6	13	<5	110	6	104	<5	
474	1503 GOC	X								bre-oxid		LOMA LLENA		7,710,408	19,581,738	<2	<0.5	6	4	6	37	<5	40	8	32	<5	
475	1504 GOC	X								r-arg-wk-sil-oxid		LOMA LLENA		7,712,112	19,583,058	<2	<0.5	22	<3	15	<5	<5	80	<1	143	<5	
476	1505 GOC	X								bre-alt-arg-wk-oxid		LOMA LLENA		7,711,892	19,582,741	<2	<0.5	56	4	21	<5	<5	20	1	167	<5	
477	1506 GOC	X								da-md-arg-wk-oxid		LOMA LLENA		7,725,842	19,572,223	<2	<0.5	53	<3	12	15	<5	40	2	362	<5	
478	1507 GOC	X								vt-arg-sil		LOMA LLENA		7,723,642	19,572,223	<2	<0.5	23	<3	7	9	<5	120	3	211	<5	
479	1508 GOC	X								r-alt-arg		LOMA LLENA		7,725,375	19,571,542	<2	<0.5	19	<3	19	8	<5	10	2	357	<5	
480	1509 GOC	X								r-alt-arg-wk-sil		LOMA LLENA		7,725,603	19,571,616	<2	<0.5	43	<3	5	56	<5	110	2	258	<5	
481	1510 GOC	X								bre-sil-oxid		LOMA LLENA		7,726,731	19,571,571	<2	<0.5	7	<3	6	9	<5	<10	<1	665	<5	
482	1511 GOC	X								r-da-alt-arg		LOMA LLENA		7,726,836	19,571,240	<2	<0.5	40	10	10	10	18	<5	1,250	1	448	<5
483	1512 GOC	X								r-alt-y-oxid-Fe		LOMA LLENA		7,726,842	19,571,016	<2	<0.5	6	7	<2	16	<5	<5	20	6	448	<5
484	1513 GOC	X								r-sil-wk-oxid		LOMA LLENA		7,726,125	19,570,782	<2	<0.5	6	7	<2	16	<5	<5	10	<1	1,057	<5
485	1514 GOC	X								r-sil		CALORNO		7,764,649	19,539,799	<2	<0.5	42	<3	2	<5	<5	10	<1	1,057	<5	
486	1515 GOC	X								r-alt-sil-arg		CALORNO		7,764,481	19,539,905	<2	<0.5	4	4	7	<5	<5	90	1	368	<5	
487	1516 GOC	X								r-sil-wk-arg-oxid		CALORNO		7,764,554	19,540,021	<2	<0.5	5	5	<2	20	<5	20	2	303	<5	
488	1517 GOC	X								r-sil-wk-arg-oxid		CALORNO		7,764,895	19,540,405	<2	<0.5	11	8	5	13	<5	10	2	70	<5	
489	1518 GOC	X								r-sil-arg-oxid		CALORNO		7,764,991	19,540,583	<2	<0.5	4	<3	<2	5	<5	10	3	31	<5	
490	1519 GOC	X								r-sil-wk-arg		CALORNO		7,765,219	19,540,829	<2	<0.5	5	8	<2	15	<5	<5	2	93	<5	
491	1520 GOC	X								da-sil-arg		CALORNO		7,765,336	19,540,880	<2	<0.5	5	8	8	<2	<5	30	1	612	<5	
492	1521 GOC	X								r-sil-arg-wk-oxid		CALORNO		7,765,454	19,540,742	<2	<0.5	3	3	<2	16	<5	140	2	54	<5	
493	1522 GOC	X								r-sil-arg-wk-oxid		CALORNO		7,765,790	19,540,641	<2	<0.5	7	<3	<2	6	<5	20	1	153	<5	
494	1523 GOC	X								r-sil-arg-wk-oxid		CALORNO		7,765,758	19,540,984	<2	<0.5	7	<3	2	<5	<5	50	7	797	<5	
495	1524 GOC	X								r-sil-arg		CALORNO		7,766,306	19,541,303	<2	<0.5	68	16	<2	17	<5	140	3	79	<5	
496	1525 GOC	X								r-sil-wk-arg-oxid		CALORNO		7,766,495	19,541,729	<2	<0.5	3	<3	<2	<5	<5	10	4	1,030	<5	
497	1526 GOC	X								r-sil-md-arg-oxid		CALORNO		7,768,495	19,542,227	<2	<0.5	2	<3	<2	<5	<5	<10	4	721	<5	
498	1527 GOC	X								r-sil-arg		CALORNO		7,766,018	19,540,589	<2	<0.5	2	<3	<2	<5	<5	10	3	295	<5	
499	1528 GOC	X								da-arg-wk-sil		CALORNO		7,766,310	19,540,589	<2	<0.5	2	6	14	8	<5	10	3	295	<5	
500	1529 GOC	X								da-sil-arg		CALORNO		7,766,348	19,540,468	<2	<0.5	3	<3	4	13	<5	20	<1	95	<5	

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA OROURO-UYUNI AREA

Serial No.	Sample No.	CA rock ore	CA TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
													N	E												
501	1530 GOC X	X							r-sil-arg		CALORNO		7 786 684	19 540 569	<2	<0.5	10	4	3	9	<5	160	2	167	<5	
502	1531 GOC X	X			X				str-sil		CALORNO		7 786 562	19 540 217	<2	<0.5	60	<3	8	<5	<5	<5	10	1	122	<3
503	1532 GOC X	X							bre-sil-oxd		CALORNO		7 766 537	19 547 137	<2	<0.5	8	8	<2	10	<5	320	6	340	<5	
504	1533 GOC X	X							bre-sil		CALORNO		7 766 344	19 547 028	<2	<0.5	35	25	3	62	<5	130	13	902	<5	
505	1534 GOC X	X							bre-arg-md-sil		CALORNO		7 766 159	19 546 859	<2	<0.5	2	7	<2	29	5	10	2	150	<5	
506	1535 GOC X	X							bre-arg-sil		CALORNO		7 765 706	19 546 888	<2	<0.5	3	7	2	26	<5	10	2	222	<5	
507	1536 GOC X	X							bre-sil		CALORNO		7 765 196	19 548 984	<2	<0.5	8	<3	4	333	<5	10	6	176	<5	
508	1537 GOC X	X							r-sil-wk-oxd		CALORNO		7 762 736	19 544 691	<2	<0.5	23	8	7	34	6	1590	14	263	<5	
509	1538 GOC X	X							dr-oxd		CALORNO		7 762 506	19 544 854	<2	<0.5	42	<3	20	<5	<5	20	1	378	<5	
510	1539 GOC X	X							r-arg-sil		CALORNO		7 761 998	19 544 703	<2	<0.5	39	<3	6	15	<5	30	9	108	<5	
511	1540 GOC X	X							bre-arg-wk-sil-oxd		CALORNO		7 761 903	19 545 143	<2	<0.5	20	4	24	10	<5	10	3	262	<5	
512	1541 GOC X	X							r-sil-oxd-wk-arg		SONIA SUSANA		7 818 888	19 517 820	8	5	12	324	60	15	<5	10	2	39	<5	
513	1542 GOC X	X							r-sil-oxd-wk-arg		SONIA SUSANA		7 918 983	19 518 082	16	2	117	210	201	78	<5	10	<1	302	<5	
514	1543 GOC X	X							r-arg-md-oxd		SONIA SUSANA		7 818 783	19 518 148	24	2	167	83	181	129	<5	10	8	212	<5	
515	1544 GOC X	X							r-arg		SONIA SUSANA		7 818 987	19 518 223	45	2	121	54	131	81	<5	10	4	105	<5	
516	1545 GOC X	X							r-oxd-sil	py	SONIA SUSANA		7 818 058	19 518 148	6	<0.5	117	179	310	48	<5	10	3	45	<5	
517	1546 GOC X	X							r-arg-oxd		SONIA SUSANA		7 818 160	19 518 372	18	1	201	120	629	54	<5	10	2	80	<5	
518	1547 GOC X	X							tr-sil		SONIA SUSANA		7 917 682	19 515 066	<2	<0.5	60	8	24	<5	<5	10	<1	69	<5	
519	1548 GOC X	X							r-sil		SONIA SUSANA		7 817 425	19 515 165	<2	<0.5	4	14	32	<5	<5	10	<1	343	<5	
520	1549 GOC X	X							r-sil	vt-qz	SONIA SUSANA		7 917 328	19 515 307	2	1	3	30	6	6	<5	180	<1	112	<5	
521	1550 GOC X	X							r-arg		SONIA SUSANA		7 816 785	19 515 669	<2	<0.5	2	<3	302	8	<5	110	1	624	<5	
522	1551 GOC X	X							tr-arg		SONIA SUSANA		7 916 783	19 515 599	<2	<0.5	11	<3	139	<5	<5	60	<1	541	<5	
523	1552 GOC X	X					X		r-oxd		SONIA SUSANA		7 916 527	19 515 617	<2	<0.5	2	7	136	9	<5	20	1	850	<5	
524	1553 GOC X	X							str-arg	vt-qz	SONIA SUSANA		7 916 445	19 515 657	2	<0.5	4	7	100	<5	<5	10	2	156	<5	
525	1554 GOC X	X							r-arg		SONIA SUSANA		7 916 393	19 515 712	<2	<0.5	5	<3	188	8	<5	10	<1	178	<5	
526	1555 GOC X	X							r-arg		SONIA SUSANA		7 916 259	19 515 813	<2	<0.5	10	4	94	<5	<5	10	<1	104	<5	
527	1556 GOC X	X							r-oxd-arg		SONIA SUSANA		7 916 387	19 515 892	<2	<0.5	11	15	170	<5	<5	10	<1	77	<5	
528	1557 GOC X	X							r-arg		SONIA SUSANA		7 916 337	19 515 807	5	2	80	158	65	6	<5	10	<1	123	<5	
529	1558 GOC X	X							r-arg		SONIA SUSANA		7 916 440	19 516 290	10	1	<2	14	5	9	<5	20	2	98	<5	
530	1559 GOC X	X							r-arg		SONIA SUSANA		7 916 480	19 516 325	2	2	5	82	3	6	<5	<5	570	<1	111	<5
531	1560 GOC X	X							r-oxd	jar	SONIA SUSANA		7 916 449	19 516 445	2	<0.5	79	<3	132	7	<5	20	<1	95	<5	
532	1561 GOC X	X							r-oxd	py	SONIA SUSANA		7 916 557	19 516 554	2	<0.5	41	<3	118	17	<5	20	<1	93	<5	
533	1562 GOC X	X							r-sil		CHULLCANI		7 976 097	19 518 270	<2	<0.5	28	4	20	<5	<5	30	<1	124	<5	
534	1563 GOC X	X					X		r-sil		CHULLCANI		7 976 471	19 518 514	<2	<0.5	2	7	11	<5	<5	20	3	116	<5	
535	1564 GOC X	X							r-arg		CHULLCANI		7 976 173	19 518 569	<2	<0.5	2	42	23	<5	<5	10	1	438	<5	
536	1565 GOC X	X							r-sil-oxd		CHULLCANI		7 976 371	19 518 822	120	<0.5	69	16	60	8	<5	20	58	407	<5	
537	1566 GOC X	X							r-sil		CHULLCANI		7 976 910	19 518 852	51	1	21	124	11	60	<5	70	26	1 542	<5	
538	1567 GOC X	X							r-sil		CHULLCANI		7 977 097	19 519 355	<2	<0.5	2	4	3	<5	<5	10	10	358	<5	
539	1568 GOC X	X							bre-oxd		TURAQUIRI		7 995 579	19 560 380	<2	<0.5	11	9	71	<5	<5	20	3	54	<5	
540	1569 GOC X	X							bre-sil	py	TURAQUIRI		7 993 824	19 560 248	<2	<0.5	16	14	84	<5	<5	30	<1	91	<5	
541	1570 GOC X	X							bre-oxd		TURAQUIRI		7 994 390	19 560 540	<2	<0.5	8	9	45	<5	<5	480	2	520	<5	
542	1571 GOC X	X							r-sil		TURAQUIRI		7 994 628	19 560 750	<2	<0.5	5	31	55	<5	<5	170	<1	173	<5	
543	1572 GOC X	X							tr-arg		TURAQUIRI		7 994 788	19 560 179	<2	<0.5	15	12	85	<5	<5	20	<1	452	<5	
544	1573 GOC X	X							r-sil		TURAQUIRI		7 994 793	19 560 125	<2	<0.5	13	4	75	<5	<5	10	<1	422	<5	
545	1574 GOC X	X							r-sil		TURAQUIRI		7 994 222	19 559 880	<2	<0.5	9	<3	68	<5	<5	10	<1	151	<5	
546	1575 GOC X	X							str-sil		TURAQUIRI		7 994 187	19 559 787	<2	<0.5	7	4	63	<5	<5	60	<1	183	<5	
547	1576 GOC X	X					X		v	S-7	TURAQUIRI		7 994 593	19 562 215	<2	<0.5	14	650	331	6	<5	510	8	3 481	<5	
548	1577 GOC X	X							v	S-9	TURAQUIRI		7 994 612	19 562 215	<2	<0.5	13	44	925	3 400	49	<5	180	<1	4 988	<5
549	1578 GOC X	X							v	S-23	TURAQUIRI		7 994 250	19 562 310	3	17	80	975	951	289	<5	110	7	98	<5	
550	1601 Ti X	X							tr		SONIA SUSANA		7 917 501	19 514 995	<2	<0.5	9	7	31	<5	<5	10	2	338	<5	

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	CA one	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
551	1802	TI	X					X		fug. ft		SONIA SUSANA	7,917,182	19,514,975	<2	<0.5	27	5	106	10	<5	<5	20	1	125	<5	
552	1803	TI	X							an lava		SONIA SUSANA	7,917,041	19,514,985	<2	<0.5	13	10	64	6	<5	<5	10	<1	260	<5	
553	1804	TI	X							tf-sil		SONIA SUSANA	7,916,930	19,514,980	<2	<0.5	6	4	35	10	<5	<5	30	3	137	<5	
554	1805	TI	X							an-sil		SONIA SUSANA	7,916,838	19,514,851	<2	<0.5	<2	5	16	15	<5	<5	10	2	352	<5	
555	1806	TI	X							an-sil		SONIA SUSANA	7,916,702	19,514,832	2	<0.5	2	13	40	35	<5	<5	20	2	53	<5	
556	1807	TI	X							an-arg		SONIA SUSANA	7,916,672	19,514,839	<2	<0.5	41	14	157	<5	<5	<5	20	<1	113	<5	
557	1808	TI	X							an-sil		SONIA SUSANA	7,916,619	19,514,637	<2	<0.5	3	21	66	6	<5	<5	40	2	70	<5	
558	1809	TI	X			X				qz v	qz vein	SONIA SUSANA	7,916,473	19,514,775	<2	<0.5	30	371	12,109	10	<5	<5	450	3	2,143	<5	
559	1810	TI	X							an		SONIA SUSANA	7,916,428	19,514,551	<2	<0.5	115	6	97	<5	<5	<5	40	2	1,266	<5	
560	1811	TI	X		X					barite v	barite vein	SONIA SUSANA	7,916,347	19,514,540	10	18	439	42,400	9,685	16	6	1,110	5	159	<5		
561	1812	TI	X							tf-arg		SONIA SUSANA	7,916,252	19,514,276	<2	<0.5	24	148	50	<5	<5	<5	60	2	2,690	<5	
562	1813	TI	X							lptf		SONIA SUSANA	7,916,383	19,514,209	<2	<0.5	5	23	48	27	<5	<5	40	1	104	<5	
563	1814	TI	X							bt an		SONIA SUSANA	7,916,656	19,514,225	<2	<0.5	<2	20	341	<5	<5	<5	20	2	170	<5	
564	1815	TI	X							bt an		SONIA SUSANA	7,916,797	19,514,430	<2	<0.5	<2	12	19	<5	<5	<5	10	<1	173	<5	
565	1816	TI	X							bt an		SONIA SUSANA	7,917,001	19,514,608	<2	<0.5	6	48	21	13	<5	<5	30	2	241	<5	
566	1817	TI	X							r-sil		SONIA SUSANA	7,918,008	19,520,306	<2	<0.5	8	16	38	20	<5	<5	30	<1	150	<5	
567	1818	TI	X			X				bt-hb an		SONIA SUSANA	7,918,172	19,520,423	<2	<0.5	5	23	48	27	<5	<5	40	1	104	<5	
568	1819	TI	X							an-sil		SONIA SUSANA	7,918,443	19,520,490	<2	<0.5	15	23	467	<5	<5	<5	30	<1	231	<5	
569	1820	TI	X							lptf		SONIA SUSANA	7,918,015	19,520,547	<2	<0.5	7	32	122	7	<5	<5	30	<1	95	<5	
570	1821	TI	X							tf-sil		SONIA SUSANA	7,919,315	19,520,550	<2	<0.5	1	8	16	48	13	<5	<5	20	2	35	<5
571	1822	TI	X							r-sil		SONIA SUSANA	7,919,566	19,519,707	5	1	6	14	17	8	<5	<5	20	13	419	<5	
572	1823	TI	X			X				qz v	qz v	TURACQUIRI	7,994,584	19,562,187	<2	<0.5	17	<3	40	<5	<5	<5	10	1	80	<5	
573	1701	MH	X							bt-an		LOMA LLENA	7,710,930	19,580,180	<2	<0.5	5	<3	<2	7	<5	<5	10	<1	1,119	<5	
574	1702	MH	X							lptf		LOMA LLENA	7,710,471	19,579,842	<2	<0.5	6	<3	3	6	<5	<5	20	6	582	<5	
575	1703	MH	X			X				lptf		LOMA LLENA	7,710,358	19,578,957	<2	<0.5	4	<3	<2	7	<5	<5	10	1	663	<5	
576	1704	MH	X							lptf		LOMA LLENA	7,710,178	19,579,922	<2	<0.5	7	5	4	11	<5	<5	20	2	304	<5	
577	1705	MH	X							lptf		LOMA LLENA	7,708,971	19,579,852	<2	<0.5	17	<3	32	6	<5	<5	10	3	200	<5	
578	1706	MH	X							gm-ry-lptf		LOMA LLENA	7,710,051	19,579,489	<2	<0.5	5	<3	3	5	<5	<5	50	4	322	<5	
579	1707	MH	X			X				arg-sil-r		LOMA LLENA	7,710,186	19,579,500	<2	<0.5	24	<3	67	<5	<5	<5	10	3	198	<5	
580	1708	MH	X						X	bt an-ry		LOMA LLENA	7,710,119	19,579,284	<2	<0.5	9	3	7	24	<5	<5	280	8	175	<5	
581	1709	MH	X							pur-lptf		LOMA LLENA	7,710,354	19,579,170	<2	<0.5	5	<3	<2	10	<5	<5	1,110	1	599	<5	
582	1710	MH	X							whit brn-whit lptf		LOMA LLENA	7,710,391	19,579,336	<2	<0.5	7	<3	<2	11	<5	<5	20	6	336	<5	
583	1711	MH	X							red-brn-whit lptf		LOMA LLENA	7,710,433	19,579,457	<2	<0.5	4	<3	3	10	<5	<5	10	3	803	<5	
584	1712	MH	X							l-ry whit lptf		LOMA LLENA	7,710,586	19,579,348	<2	<0.5	4	<3	3	10	<5	<5	10	3	411	<5	
585	1713	MH	X							grt-whit lptf		LOMA LLENA	7,710,624	19,579,252	<2	<0.5	5	3	4	7	<5	<5	10	3	818	<5	
586	1714	MH	X							whit pur-ry lptf		LOMA LLENA	7,710,677	19,579,546	<2	<0.5	11	18	18	91	<5	<5	10	5	388	<5	
587	1715	MH	X							whit lptf		LOMA LLENA	7,722,129	19,571,919	<2	<0.5	13	5	5	74	<5	<5	5,750	7	117	<5	
588	1716	MH	X			X			X	whit sil-r		LOMA LLENA	7,721,988	19,571,977	<2	<0.5	5	<3	3	16	<5	<5	40	4	185	<5	
589	1717	MH	X							whit sil-r		LOMA LLENA	7,721,893	19,572,022	<2	<0.5	4	<3	<2	13	<5	<5	20	4	863	<5	
590	1718	MH	X							whit sil-r		LOMA LLENA	7,721,845	19,572,056	<2	<0.5	5	<3	2	<3	<5	<5	10	3	818	<5	
591	1719	MH	X			X				pur-red brn an		LOMA LLENA	7,721,900	19,572,083	<2	<0.5	61	6	7	82	<5	<5	20	1	110	<5	
592	1720	MH	X							pur-red brn an		LOMA LLENA	7,721,759	19,572,105	<2	<0.5	19	10	8	42	<5	<5	150	2	226	<5	
593	1721	MH	X							pur-ry an		LOMA LLENA	7,721,693	19,572,225	<2	<0.5	28	9	7	63	<5	<5	20	5	193	<5	
594	1722	MH	X							pur-ry an		LOMA LLENA	7,721,614	19,572,437	<2	<0.5	5	4	164	14	<5	<5	280	4	729	<5	
595	1723	MH	X							p-brn whit lptf		LOMA LLENA	7,721,584	19,572,484	<2	<0.5	39	6	2	27	<5	<5	80	6	1,250	<5	
596	1724	MH	X							l-ry sil-r		LOMA LLENA	7,721,400	19,572,517	<2	<0.5	36	4	58	25	<5	<5	20	2	188	<5	
597	1725	MH	X			X				bt an p-brn p-gm-ry		LOMA LLENA	7,721,349	19,572,266	2	<0.5	39	7	13	36	<5	<5	30	42	147	<5	
598	1726	MH	X							p-gm-ry an		LOMA LLENA	7,721,119	19,572,003	<2	<0.5	29	32	43	<5	<5	<5	50	3	236	<5	
599	1727	MH	X							ry p-brn-ry an		LOMA LLENA	7,721,084	19,571,748	<2	<0.5	68	<3	112	<5	<5	<5	40	2	83	<5	
600	1728	MH	X							cas an d-gm-ry gm-d-ry bt an		LOMA LLENA	7,721,288	19,571,787	<2	<0.5	24	<3	23	6	<5	<5	10	2	245	<5	

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	CA on	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM			E								
														N	E	U									
601	1729	MH	X							whit sil an		Co. Tirañi	Co. Tirañi	7,721,443	19,572,025	<5	88	13	<5	30	9	185	<5		
602	1730	MH	X							Y-sil arg bt an lava		Co. Tirañi	Co. Tirañi	7,721,564	19,571,923	<5	21	36	<5	80	5	96	<5		
603	1731	MH	X							p-brn i-ry-wht an		Co. Tirañi	Co. Tirañi	7,721,721	19,571,800	<5	6	7	<5	60	3	229	<5		
604	1732	MH	X							p-brn-wht an md-sil		Co. Tirañi	Co. Tirañi	7,721,849	19,571,758	<5	4	12	<5	60	1	141	<5		
605	1733	MH	X							mdg-an-whit-ry		Co. Jun Leque	Co. Jun Leque	7,761,507	19,543,901	<5	9	3	<5	70	2	193	<5		
606	1734	MH	X							d-ry bt hb-da		Co. Jun Leque	Co. Jun Leque	7,761,331	19,543,470	<5	4	17	<5	110	2	276	<5		
607	1735	MH	X							p-brn wht arg lptf brc		Co. Jun Leque	Co. Jun Leque	7,761,098	19,542,985	<5	6	5	<5	60	<1	340	<5		
608	1736	MH	X							p-brn wht da		Co. Jun Leque	Co. Jun Leque	7,760,528	19,542,887	<5	6	9	<5	10	2	164	<5		
609	1737	MH	X		X					i-ry-wht bt da		Co. Jun Leque	Co. Jun Leque	7,760,428	19,543,384	<5	3	9	<5	20	<1	310	<5		
610	1738	MH	X							bi-hb da p-brn-wht		Co. Jun Leque	Co. Jun Leque	7,760,499	19,543,569	<5	3	44	<5	20	<1	271	<5		
611	1739	MH	X							p-brn-wht arg da		Co. Jun Leque	Co. Jun Leque	7,761,100	19,543,814	<5	5	19	<5	120	2	433	<5		
612	1740	MH	X							wht p-brn-wht brc		Co. Jun Leque	Co. Jun Leque	7,761,281	19,543,819	<5	4	<2	<5	1510	2	186	<5		
613	1741	MH	X			X			X	wht sil an		Co. Jun Leque	Co. Jun Leque	7,761,416	19,543,921	<5	5	<2	5	60	2	84	<5		
614	1742	MH	X							wht da		Co. Jun Leque	Co. Jun Leque	7,761,638	19,543,198	<5	3	3	<5	40	6	970	<5		
615	1743	MH	X							p-brn wht da sil		Co. Jun Leque	Co. Jun Leque	7,760,611	19,544,144	<5	20	4	12	17	60	1	175	<5	
616	1744	MH	X							p-brn wht da sil		Co. Jun Leque	Co. Jun Leque	7,760,919	19,544,215	<5	4	5	<2	11	<5	90	<1	85	<5
617	1745	MH	X							p-brn wht da sil		Co. Jun Leque	Co. Jun Leque	7,761,214	19,544,145	<5	25	6	9	29	<5	20	3	123	<5
618	1746	MH	X							p-brn wht da arg		Co. Jun Leque	Co. Jun Leque	7,761,407	19,544,178	<5	27	37	15	118	<5	20	32	571	<5
619	1747	MH	X							p-brn wht da sil		Co. Jun Leque	Co. Jun Leque	7,761,510	19,544,088	<5	25	20	2	92	<5	10	18	243	<5
620	1748	MH	X			X			X	p-brn wht alt r arg		Co. Jun Leque	Co. Jun Leque	7,761,479	19,544,342	<5	8	11	6	13	<5	20	3	312	<5
621	1749	MH	X							sil brc		Co. Jun Leque	Co. Jun Leque	7,761,469	19,544,405	<5	4	<3	<2	5	70	11	84	<5	
622	1750	MH	X							p-brn wht an sil		Co. Jun Leque	Co. Jun Leque	7,761,168	19,544,955	<5	9	<2	<5	<5	10	2	1,088	<5	
623	1751	MH	X							i-ry hb da sil		Co. Jun Leque	Co. Jun Leque	7,761,009	19,544,664	<5	19	7	2	14	<5	330	<1	221	<5
624	1752	MH	X							p-brn wht sil		Co. Jun Leque	Co. Jun Leque	7,760,794	19,544,793	<5	19	3	3	22	<5	60	1	165	<5
625	1753	MH	X							pur p-brn wht da arg		Co. Jun Leque	Co. Jun Leque	7,760,593	19,544,900	<5	8	<2	9	<5	220	1	209	<5	
626	1754	MH	X							p-brn wht da sil		Co. Jun Leque	Co. Jun Leque	7,760,441	19,545,010	<5	5	<2	10	<5	30	2	131	<5	
627	1755	MH	X							p-brn wht lptf		Co. Jun Leque	Co. Jun Leque	7,760,187	19,545,145	<5	9	5	<2	18	<5	10	2	209	<5
628	1756	MH	X							yhr-wht lptf brc		Co. Jun Leque	Co. Jun Leque	7,762,151	19,543,139	<5	5	19	<2	15	<5	30	14	190	<5
629	1757	MH	X			X			X	p-brn wht tr sil		Co. Jun Leque	Co. Jun Leque	7,762,029	19,543,152	<5	15	<2	20	<5	920	9	1,261	<5	
630	1758	MH	X							brc-r sil		Co. Jun Leque	Co. Jun Leque	7,761,652	19,543,150	<5	7	70	<2	23	<5	30	11	51	<5
631	1759	MH	X							brc-r sil porous		Co. Jun Leque	Co. Jun Leque	7,761,737	19,543,023	<5	3	<3	<2	<5	240	5	700	<5	
632	1760	MH	X							i-ry sil-r		Co. Jun Leque	Co. Jun Leque	7,761,840	19,542,988	<5	4	<3	<2	<5	20	6	883	<5	
633	1761	MH	X							i-ry bt da sil		Co. Jun Leque	Co. Jun Leque	7,761,981	19,542,923	<5	9	<3	<2	30	<5	270	8	85	<5
634	1762	MH	X							p-brn wht sil-r		Co. Jun Leque	Co. Jun Leque	7,761,818	19,542,572	<5	4	<2	<5	<5	20	1	684	<5	
635	1763	MH	X							wht-pur bt hb an da arg		Co. Jun Leque	Co. Jun Leque	7,761,588	19,542,924	<5	10	<3	3	6	<5	370	8	1,000	<5
636	1764	MH	X							wht p-brn an		Co. Jun Leque	Co. Jun Leque	7,761,652	19,543,584	<5	26	11	5	81	<5	50	3	108	<5
637	1765	MH	X							wht-pur bt hb an da arg		Co. Jun Leque	Co. Jun Leque	7,761,283	19,544,991	<5	6	4	80	<5	310	3	169	<5	
638	1766	MH	X							i-ry lptf s-sil		Co. Jun Leque	Co. Jun Leque	7,761,208	19,545,047	<5	4	4	27	<5	920	3	199	<5	
639	1767	MH	X							p-brn wht sil-r		Co. Jun Leque	Co. Jun Leque	7,761,189	19,545,194	<5	22	<3	2	10	<5	70	2	513	<5
640	1768	MH	X							p-brn wht sil-r		Co. Jun Leque	Co. Jun Leque	7,761,158	19,545,341	<5	38	4	6	<5	<5	120	2	218	<5
641	1769	MH	X							wht ad arg part-sil		Co. Jun Leque	Co. Jun Leque	7,760,955	19,545,477	<5	7	<3	6	42	<5	160	2	118	<5
642	1770	MH	X							p-brn wht an sil		Co. Jun Leque	Co. Jun Leque	7,760,671	19,545,508	<5	20	5	5	43	<5	110	1	46	<5
643	1771	MH	X			X			X	ry p-brn wht sil-r		Co. Jun Leque	Co. Jun Leque	7,760,577	19,545,714	<5	14	4	4	15	<5	90	1	41	<5
644	1772	MH	X							p-brn wht sil-r		Co. Jun Leque	Co. Jun Leque	7,760,512	19,545,714	<5	7	14	9	1,600	16	30	1	1,678	<5
645	1773	MH	X							p-brn wht sil-r		Co. Jun Leque	Co. Jun Leque	7,760,377	19,545,984	<5	9	15	3	32	<5	<10	1	205	<5
646	1774	MH	X							p-brn wht bt an		Co. Jun Leque	Co. Jun Leque	7,760,392	19,546,305	<5	3	3	20	<5	80	2	13	<5	
647	1775	MH	X							p-brn wht lptf		Co. Jun Leque	Co. Jun Leque	7,760,100	19,546,551	<5	66	3	3	20	<5	20	<1	37	<5
648	1776	MH	X							p-brn wht tr		Co. Jun Leque	Co. Jun Leque	7,760,041	19,546,672	<5	15	21	53	7,810	357	120	5	298	<5
649	1777	MH	X							red brn fe-oxd lptf		Co. Jun Leque	Co. Jun Leque	7,754,532	19,543,215	<5	6	<3	<2	27	<5	40	2	96	<5
650	1778	MH	X							p-brn wht tr arg		Co. Jun Leque	Co. Jun Leque			<5	<5	<5	<5	40	2	96	<5		

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock one	CA TS one	PS	NR	FI	STD	Field name of Rock	Remarks
651	1779 MH	X						l-gy p-brm wht lptf	
652	1780 MH	X						p-brm wht tf	
653	1781 MH	X						ylw-wht tf	
654	1782 MH	X						p-brm wht tf lptf	
655	1783 MH	X						p-brm wht bt an da arg	
656	1784 MH	X						p-brm wht bt an arg	
657	1785 MH	X						p-brm pur-brm ylw wht bt an	
658	1786 MH	X						p-brm wht bt an arg	
659	1787 MH	X						ylw-brm brm-wht bt an	
660	1788 MH	X						p-brm wht l-gy bt an sil	
661	1791 MH		X					br-r	
662	1792 MH		X					bt-hb da	
663	1793 MH		X					flng hb an	
664	1794 MH		X					gn-r tf	
665	1785 MH		X					Mn-oxid	
666	1796 MH		X					Mn-oxid gn-qz v	
667	1797 MH		X					gn-barite v	
668	1798 MH		X					gn-barite v	
669	1799 MH		X					Mn-oxid py-qz v (stock pile)	
670	1800 MH		X					gn-oxid qz (stock pile)	
671	1801 KN	X						bt-hb da-an	
672	1802 KN	X					X	an lava	
673	1803 KN	X						an lava	
674	1804 KN	X						an lava	
675	1805 KN	X						an lava	
676	1806 KN	X						an lava	
677	1807 KN	X						an lava	
678	1808 KN	X						an lava	
679	1809 KN	X						stg sil r	
680	1810 KN	X						stg sil r	
681	1811 KN	X						volbre, stg sil	
682	1812 KN	X						sil arg an	
683	1813 KN	X				X		an lava	
684	1814 KN	X						da-an	
685	1815 KN	X						dacitic an	
686	1816 KN	X						an lava	
687	1817 KN	X						an lava	
688	1818 KN	X						an lava	
689	1819 KN	X						da-an lava	
690	1820 KN	X						da-an lava	
691	1821 KN	X						hb-an	
692	1822 KN	X		X				lptf-sil	
693	1823 KN	X						lptf-sil	
694	1824 KN	X						lptf-sil	
695	1825 KN	X						lptf	
696	1826 KN	X						lptf	
697	1827 KN	X						lptf-sil	
698	1828 KN	X						lptf-arg	
699	1829 KN	X						bt-hb da-an	
700	1830 KN	X						bt-hb an	

Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Ba	Sn
ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<2	<0.5	29	7	6	<5	<5	30	2	125	<5
<2	<0.5	9	9	5	22	<5	50	3	291	<5
<2	<0.5	54	6	18	43	<5	20	5	339	<5
<2	<0.5	167	<3	42	9	<5	50	2	240	<5
<2	<0.5	44	4	19	112	<5	20	1	135	<5
<2	<0.5	108	18	63	11,388	<5	30	8	59	<5
<2	<0.5	27	<3	17	29	<5	80	2	745	<5
<2	<0.5	14	5	12	32	<5	600	2	198	<5
<2	<0.5	30	<3	36	4,220	<5	80	1	189	<5
<2	<0.5	19	<3	11	3,303	<5	80	5	43	<5
<2	2.157	283	4,000	9,000	59	<5	930	2	9	<5
<2	<0.5	27	<3	56	<5	<5	<10	2	104	<5
<2	<0.5	40	<3	74	<5	<5	30	1	117	<5
<2	<0.5	36	<3	56	<5	<5	30	<1	62	<5
<2	<0.5	33	<3	80	<5	<5	<10	1	114	<5
<2	<0.5	50	<3	74	<5	<5	<10	1	83	<5
<2	<0.5	25	<3	89	<5	<5	20	2	117	<5
<2	<0.5	25	<3	85	<5	<5	10	2	84	<5
<2	<0.5	23	<3	109	<5	<5	10	2	187	<5
<2	<0.5	8	<3	4	<5	<5	30	7	110	<5
<2	<0.5	2	<3	5	<5	<5	20	3	174	<5
<2	<0.5	4	<3	3	<5	<5	20	4	127	<5
<2	<0.5	3	<3	4	<5	<5	10	2	32	<5
<2	<0.5	4	<3	3	<5	<5	10	3	285	<5
<2	<0.5	24	<3	37	<5	<5	20	1	83	<5
<2	<0.5	19	<3	40	<5	<5	10	2	55	<5
<2	<0.5	24	<3	90	<5	<5	10	3	78	<5
<2	<0.5	35	<3	50	<5	<5	10	2	82	<5
<2	<0.5	28	<3	96	<5	<5	10	2	107	<5
<2	<0.5	39	<3	81	<5	<5	10	2	143	<5
<2	<0.5	23	<3	61	<5	<5	10	1	144	<5
<2	<0.5	45	<3	46	<5	<5	10	<1	73	<5
<2	<0.5	21	<3	6	8	<5	10	<1	308	<5
<2	<0.5	8	<3	6	16	<5	140	7	196	<5
<2	<0.5	18	<3	11	7	<5	10	7	156	<5
<2	<0.5	42	<3	38	14	<5	20	3	264	<5
<2	<0.5	24	<3	16	45	<5	20	3	77	<5
<2	<0.5	17	6	2	38	<5	10	2	191	<5
<2	<0.5	6	5	3	7	<5	10	6	238	<5
<2	<0.5	36	<3	15	22	<5	20	2	367	<5
<2	<0.5	60	<3	90	<5	<5	10	2	140	<5

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	CA ore	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM	N	E	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
701	1831	KN	X							hb-bt an		LOMA LLENA	Cerro Pao Kheilu	7,723,253	19,572,558	<2	<0.5	52	<3	80	<5	<5	<5	20	2	145	<5
702	1832	KN	X							lpf-sil		LOMA LLENA	Cerro Pao Kheilu	7,723,059	19,572,485	<2	<0.5	<2	<3	3	<5	<5	<5	20	<1	1,233	<5
703	1833	KN	X							lpf-stg sil		LOMA LLENA	Cerro Pao Kheilu	7,723,095	19,572,285	<2	<0.5	6	<3	3	<5	<5	<5	20	5	1,231	<5
704	1834	KN	X							lpf-sil-arg		LOMA LLENA	Cerro Pao Kheilu	7,723,005	19,572,228	<2	<0.5	3	<3	3	<5	<7	<5	50	1	1,484	<5
705	1835	KN	X							lpf-arg		CALORNO	Cerro Pichu Kheilu	7,757,446	19,542,839	<2	<0.5	6	8	5	10	<5	<5	20	2	473	<5
706	1836	KN	X							arg		CALORNO	Cerro Pichu Kheilu	7,757,496	19,542,754	<2	<0.5	39	<3	48	6	<5	<5	20	<1	128	<5
707	1837	KN	X							lpf-sil		CALORNO	Cerro Pichu Kheilu	7,757,585	19,543,144	3	<0.5	6	5	3	<5	<5	<5	110	6	238	<5
708	1838	KN	X							lpf-arg		CALORNO	Cerro Pichu Kheilu	7,757,858	19,543,402	<2	<0.5	4	4	<2	<5	<5	<5	780	1	213	<5
709	1839	KN	X							lpf-arg		CALORNO	Cerro Pichu Kheilu	7,758,180	19,543,702	<2	<0.5	7	8	8	11	<5	<5	90	2	363	<5
710	1840	KN	X							lpf-arg		CALORNO	Cerro Pichu Kheilu	7,758,112	19,543,977	<2	<0.5	<2	3	3	10	<5	<5	10	2	97	<5
711	1841	KN	X							lpf-arg		CALORNO	Cerro Pichu Kheilu	7,757,879	19,544,311	<2	<0.5	56	<3	39	<5	<5	<5	10	1	159	<5
712	1842	KN	X							bt-hb an		CALORNO	Cerro Pichu Kheilu	7,757,822	19,544,138	<2	<0.5	60	<3	224	<5	<5	<5	10	3	130	<5
713	1843	KN	X							lpf-sil-arg		CALORNO	Cerro Pichu Kheilu	7,758,127	19,543,151	<2	<0.5	3	22	4	11	<5	<5	40	2	312	<5
714	1844	KN	X							r-sil		CALORNO	Cerro Pichu Kheilu	7,758,258	19,542,877	<2	<0.5	5	5	5	6	<5	<5	40	2	157	<5
715	1845	KN	X							arg sil lptf		CALORNO	Cerro Pichu Kheilu	7,758,492	19,542,654	<2	<0.5	4	5	4	6	<5	<5	50	<1	377	<5
716	1846	KN	X							sil-arg lptf		CALORNO	Cerro Pichu Kheilu	7,758,690	19,543,931	<2	<0.5	13	8	5	9	<5	<5	30	2	309	<5
717	1847	KN	X							lpf-arg		CALORNO	Cerro Pichu Kheilu	7,759,129	19,544,125	<2	<0.5	34	<3	27	<5	<5	<5	10	1	204	<5
718	1848	KN	X							hb-bt an lava		CALORNO	Cerro Pichu Kheilu	7,758,890	19,543,784	<2	<0.5	8	4	6	25	<5	<5	10	2	386	<5
719	1849	KN	X							arg sil lptf		CALORNO	Cerro Pichu Kheilu	7,758,388	19,543,827	<2	<0.5	2	11	<2	<5	<5	<5	10	2	355	<5
720	1850	KN	X				X			arg lptf		CALORNO	Cerro Pichu Kheilu	7,758,367	19,544,088	<2	<0.5	21	14	10	15	<5	<5	40	2	414	<5
721	1851	KN	X							sil-lptf		CALORNO	Cerro Pichu Kheilu	7,758,440	19,544,377	<2	<0.5	3	8	4	17	<5	<5	10	2	272	<5
722	1852	KN	X				X			arg-an		CALORNO	Cerro Pichu Kheilu	7,758,157	19,544,377	<2	<0.5	33	3	19	28	<5	<5	50	2	235	<5
723	1853	KN	X							arg sil lptf		CALORNO	Cerro Pichu Kheilu	7,758,089	19,544,463	<2	<0.5	<2	<3	3	<5	<5	<5	10	2	190	<5
724	1854	KN	X							sil arg lptf		CALORNO	Cerro Pichu Kheilu	7,757,975	19,544,586	<2	<0.5	7	3	3	10	<5	<5	60	2	134	<5
725	1855	KN	X					X		sil lptf		CALORNO	Cerro Pichu Kheilu	7,757,919	19,543,700	<2	<0.5	3	7	<2	44	<5	<5	40	3	219	<5
726	1856	KN	X							sil lptf		CALORNO	Cerro Pichu Kheilu	7,757,714	19,543,637	<2	<0.5	2	<3	<2	6	<5	<5	50	1	112	<5
727	1857	KN	X							sil tbr		CALORNO	Cerro Pichu Kheilu	7,757,581	19,543,505	<2	<0.5	8	4	<2	10	<5	<5	10	6	96	<5
728	1858	KN	X							sil-tf		CALORNO	Cerro Pichu Kheilu	7,757,290	19,543,387	<2	<0.5	5	<3	2	<5	<5	<5	30	6	182	<5
729	1859	KN	X							bt-hb an lava		CALORNO	Cerro Pichu Kheilu	7,756,777	19,543,519	<2	<0.5	53	<3	50	<5	<5	<5	20	2	138	<5
730	1860	KN	X							tbr		CALORNO	Cerro Pichu Kheilu	7,756,460	19,543,652	<2	<0.5	17	4	11	33	<5	<5	90	2	285	<5
731	1861	KN	X							bt-hb an lava		CALORNO	Cerro Pichu Kheilu	7,756,137	19,543,855	<2	<0.5	57	<3	82	<5	<5	<5	10	3	180	<5
732	1862	KN	X							tbr		CALORNO	Cerro Pichu Kheilu	7,755,190	19,543,747	<2	<0.5	81	<3	10	<5	<5	<5	50	<1	270	<5
733	1863	KN	X					X		hb-bt an		CALORNO	Cerro Pichu Kheilu	7,755,838	19,543,883	<2	<0.5	53	<3	46	<5	<5	<5	20	2	148	<5
734	1864	KN	X							lpf-arg		CALORNO	Cerro Pichu Kheilu	7,755,218	19,544,183	<2	<0.5	46	<3	40	<5	<5	<5	80	1	150	<5
735	1865	KN	X							hb-bt an lava		CALORNO	Cerro Pichu Kheilu	7,756,468	19,544,102	<2	<0.5	5	7	11	72	<5	<5	330	3	168	<5
736	1866	KN	X							sil-arg tbr		CALORNO	Cerro Pichu Kheilu	7,756,876	19,543,895	<2	<0.5	11	<3	4	20	<5	<5	30	7	223	<5
737	1867	KN	X							sil an lava		CALORNO	Cerro Pichu Kheilu	7,756,340	19,541,484	<2	<0.5	4	265	4	873	<5	<5	30	1	82	<5
738	1868	KN	X					X		arg-sil an		CALORNO	Cerro Pichu Kheilu	7,756,955	19,541,615	<2	<0.5	14	3	6	48	<5	<5	10	2	231	<5
739	1869	KN	X							arg-sil an		CALORNO	Cerro Pichu Kheilu	7,757,251	19,541,887	<2	<0.5	6	60	9	219	<5	<5	20	1	77	<5
740	1870	KN	X				X			stg-sil arg tbr		CALORNO	Cerro Pichu Kheilu	7,757,717	19,542,297	<2	<0.5	4	<3	5	38	<5	<5	20	2	581	<5
741	1871	KN	X							wt-arg bt-hb an lava		CALORNO	Cerro Pichu Kheilu	7,757,252	19,542,252	<2	<0.5	4	<3	30	<5	<5	<5	10	<1	172	<5
742	1872	KN	X							bt-hb-an		CALORNO	Cerro Pichu Kheilu	7,756,482	19,541,732	<2	<0.5	3	4	7	11	<5	<5	10	2	240	<5
743	1873	KN	X							sil lptf		CALORNO	Cerro Pichu Kheilu	7,757,635	19,542,826	<2	<0.5	3	4	7	11	<5	<5	10	<1	172	<5
744	1874	KN	X							sil arg tbr		CALORNO	Cerro Pichu Kheilu	7,757,332	19,543,088	<2	<0.5	8	10	5	5	<5	<5	90	2	102	<5
745	1875	KN	X							stg-sil tbr		CALORNO	Cerro Pichu Kheilu	7,757,865	19,543,068	<2	<0.5	6	<3	5	<5	<5	<5	80	6	223	<5
746	1876	KN	X							stg-sil lptf		CALORNO	Cerro Pichu Kheilu	7,757,185	19,543,518	<2	<0.5	6	<3	5	<5	<5	<5	10	2	333	<5
747	1877	KN	X							wt-sil lptf		CALORNO	Cerro Pichu Kheilu	7,757,101	19,543,648	<2	<0.5	14	<3	6	17	<5	<5	20	1	212	<5
748	1878	KN	X							wt-sil arg tbr		CALORNO	Cerro Pichu Kheilu	7,757,020	19,543,970	<2	<0.5	2	4	4	33	<5	<5	20	2	87	<5
749	1879	KN	X							lpf		CALORNO	Cerro Pichu Kheilu	7,757,194	19,543,923	<2	<0.5	2	<3	2	15	<5	<5	30	1	87	<5
750	1880	KN	X							tbr		CALORNO	Cerro Pichu Kheilu	7,757,375	19,543,818	<2	<0.5	4	<3	4	30	<5	<5	30	<1	139	<5

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	CA ore	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks	District	Location	UTM													
														N	E	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm	
751	1881	KN	X							wk-sil tbr		CALORNO	Cerro Pichu Kholu	7757.030	19,544,109	<2	<0.5	4	7	8	46	<5	20	2	66	<5	
752	1882	KN	X							r-sil		CALORNO	Cerro Pichu Kholu	7757.041	19,544,187	<2	<0.5	13	9	9	23	<5	150	2	259	<5	
753	1883	KN	X							sil-lptf		CALORNO	Cerro Pichu Kholu	7757.028	19,544,304	<2	<0.5	8	8	5	21	<5	120	3	83	<5	
754	1884	KN	X			X				arg-tbr		CALORNO	Cerro Pichu Kholu	7757.051	19,544,319	<2	<0.5	11	15	14	17	<5	70	3	204	<5	
755	1885	KN	X							nd-sig sil tbr		CALORNO	Cerro Pichu Kholu	7757.058	19,544,423	<2	<0.5	17	<3	4	25	7	170	1	59	<5	
756	1886	KN	X			X				sig arg tbr		CALORNO	Cerro Pichu Kholu	7758.973	19,544,377	<2	<0.5	21	<3	4	16	14	<5	10	5	54	<5
757	1887	KN	X							sig-sil vein		CALORNO	Cerro Pichu Kholu	7758.919	19,544,389	<2	<0.5	23	<3	8	54	<5	50	6	400	<5	
758	1888	KN	X							arg-ppry tbr		CALORNO	Cerro Pichu Kholu	7758.877	19,544,478	<2	<0.5	50	<3	24	<5	<5	740	1	116	<5	
759	1889	KN	X							sig-sil tbr		CALORNO	Cerro Pichu Kholu	7758.923	19,544,678	<2	<0.5	6	<3	7	8	<5	60	1	111	<5	
760	1890	KN	X							sig-sil vein		CALORNO	Cerro Pichu Kholu	7758.954	19,544,737	<2	<0.5	19	4	3	28	<5	330	4	255	<5	
761	1891	KN	X							sig arg tbr		CALORNO	Cerro Pichu Kholu	7758.954	19,544,737	<2	<0.5	11	<3	7	15	<5	20	4	589	<5	
762	1892	KN	X				X			sig arg tbr		CALORNO	Cerro Pichu Kholu	7758.954	19,544,958	<2	<0.5	9	7	8	10	<5	20	2	213	<5	
763	1893	KN	X							wk-sil tbr		CALORNO	Cerro Pichu Kholu	7757.021	19,544,958	<2	<0.5	6	6	14	7	<5	<10	2	1,641	<5	
764	1894	KN	X							wk-arg-lptf		CALORNO	Cerro Pichu Kholu	7757.058	19,545,144	<2	<0.5	7	<3	5	<5	<5	20	<1	278	<5	
765	1895	KN	X							lptf		CALORNO	Cerro Pichu Kholu	7757.189	19,545,222	<2	<0.5	26	<3	4	9	<5	780	2	191	<5	
766	1896	KN	X							sil-arg tbr		CALORNO	Cerro Pichu Kholu	7757.182	19,545,380	<2	<0.5	62	4	56	7	<5	80	2	219	<5	
767	1897	KN	X							arg lptf		CALORNO	Cerro Pichu Kholu	7757.247	19,547,190	<2	<0.5	8	<3	19	84	<5	20	2	181	<5	
768	1898	KN	X							arg lptf		CALORNO	Cerro Pichu Kholu	7759.591	19,547,190	<2	<0.5	14	15	32	156	<5	30	2	107	<5	
769	1899	KN	X			X				sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	17	42	67	200	<5	30	1	149	<5	
770	1900	KN	X					X		sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	13	102	30	232	<5	30	1	192	<5	
771	1901	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	12	82	30	254	<5	20	2	121	<5	
772	1902	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	17	245	34	347	<5	30	2	270	<5	
773	1903	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	14	78	32	236	<5	30	<1	201	<5	
774	1904	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	14	83	35	255	<5	20	<1	248	<5	
775	1905	KN	X				X			gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	12	50	28	188	<5	40	<1	231	<5	
776	1906	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	17	25	36	209	<5	20	<1	266	<5	
777	1907	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	13	51	28	208	<5	30	<1	235	<5	
778	1908	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	11	47	21	177	<5	40	1	181	<5	
779	1909	KN	X							gth ore (host rock an?)		CALORNO	Rio Agua Miago	7759.591	19,547,130	<2	<0.5	10	19	22	168	<5	20	1	227	<5	
780	1910	KN	X							gth ore		CALORNO	Rio Agua Miago	7759.591	19,547,143	<2	<0.5	42	18	62	482	<5	20	<1	317	<5	
781	1911	KN	X							sil gth ore		CALORNO	Rio Agua Miago	7759.555	19,547,150	<2	<0.5	39	22	85	918	<5	10	2	142	<5	
782	1912	KN	X							gth ore in sig-arg sil an?		CALORNO	Rio Agua Miago	7759.591	19,547,108	<2	<0.5	45	<3	201	10	<5	10	2	629	<5	
783	1913	KN	X					X		gth in wk-arg ppy an		CALORNO	Rio Agua Miago	7759.411	19,547,168	<2	<0.5	54	<3	89	356	<5	30	1	25	<5	
784	1914	KN	X							gth vein		CALORNO	Rio Agua Miago	7759.942	19,547,192	<2	<0.5	10	4	12	84	<5	10	2	159	<5	
785	1915	KN	X							arg lptf		CALORNO	Rio Agua Miago	7759.542	19,547,192	<2	<0.5	19	4	25	20	<5	20	2	319	<5	
786	1916	KN	X							wk-sil gth lptf		CALORNO	Rio Agua Miago	7758.910	19,547,489	<2	<0.5	5	45	4	159	<5	10	1	89	<5	
787	1917	KN	X							wk-sil wk-arg tbr		CALORNO	Rio Agua Miago	7758.788	19,547,708	<2	<0.5	3	28	470	588	6	<5	70	2	140	<5
788	1918	KN	X			X				sil tf		SONIA SUSANA	Santa Catalina Loma	7918.859	19,518,523	10	2	3	206	7	6	<5	10	2	1,077	<5	
789	1919	KN	X							sil-arg tbr		SONIA SUSANA	Santa Catalina Loma	7918.820	19,518,157	<2	<0.5	19	<3	82	<5	<5	10	1	97	<5	
790	1920	KN	X				X		X	ppry tf	float for FI	SONIA SUSANA	Cerro Huacall Kholu	7918.920	19,518,537	<2	<0.5	12	26	59	15	<5	10	<1	207	<5	
791	1921	KN	X							wk-sil tbr		SONIA SUSANA	Cerro Huacall Kholu	7918.859	19,518,523	<2	<0.5	12	37	7	31	<5	230	4	195	<5	
792	1922	KN	X							arg lptf		SONIA SUSANA	Cerro Lica Khaua	7919.345	19,519,091	<2	<0.5	12	97	7	9	<5	30	3	150	<5	
793	1923	KN	X						X	seandy tf		SONIA SUSANA	Cerro Lica Khaua	7919.527	19,519,245	<2	<0.5	13	16	107	9	<5	10	3	172	<5	
794	1924	KN	X							arg lptf		SONIA SUSANA	Cerro Lica Khaua	7919.225	19,519,122	<2	<0.5	6	12	17	<5	<5	260	<1	129	<5	
795	1925	KN	X							sil lptf		SONIA SUSANA	Cerro Lica Khaua	7919.212	19,519,324	<2	<0.5	4	71	26	12	<5	10	2	171	<5	
796	1926	KN	X							frag tf		SONIA SUSANA	Cerro Lica Khaua	7919.230	19,519,315	<2	<0.5	25	10	127	5	<5	20	2	70	<5	
797	1927	KN	X							seandy tf		SONIA SUSANA	Cerro Lica Khaua	7919.231	19,519,380	<2	<0.5	40	8	106	<5	<5	10	2	70	<5	
798	1928	KN	X							sil arg lptf		SONIA SUSANA	Cerro Lica Khaua	7919.315	19,519,403	<2	<0.5	<2	12	20	6	<5	10	1	179	<5	
799	1929	KN	X							sil wk-arg lptf		SONIA SUSANA	Cerro Lica Khaua	7919.440	19,518,482	<2	<0.5	<2	13	32	7	<5	10	<1	217	<5	
800	1930	KN	X							arg sil lptf		SONIA SUSANA	Cerro Lica Khaua	7919.398	19,518,650	<2	<0.5	3	20	34	23	<5	10	2	180	<5	

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-UYUNI AREA

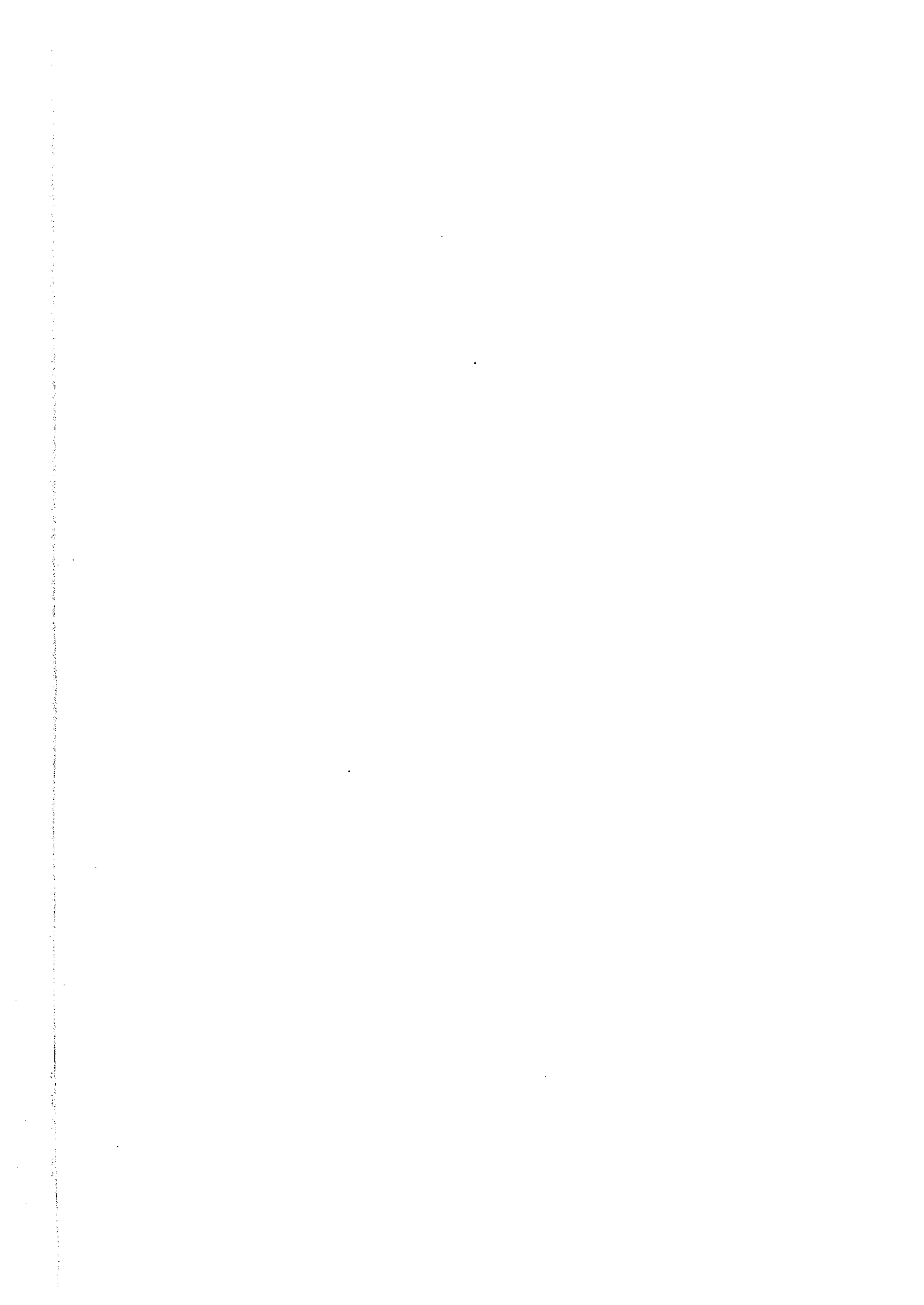
Sample No.	CA rock	CA ore	TS	PS	XR	FI	STD	Field name of Rock	Remarks	District	Location	UTM		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
												N	E											
801	1951 KN	X	X	X				ore vein	Green Cu clay	SONIA SUSANA	Cerro Lica Khaua	7,919,460	19,513,695	48	4	13,814	1,167	5,534	114	11	70	2	150	<5
802	1952 KN	X		X				stg arg sil ipst?		SONIA SUSANA	Cerro Lica Khaua	7,919,460	19,513,695	846	10	38	94	33	129	91	10	15	1,410	18
803	1953 KN	X						oz vein		SONIA SUSANA	Cerro Lica Khaua	7,919,480	19,513,695	2,970	24	34	130	10	224	371	10	26	2,876	43
804	1954 KN	X						arg ipst		SONIA SUSANA	Cerro Lica Khaua	7,919,386	19,513,712	4	<0.5	4	16	32	5	<5	<10	<1	823	<5
805	1955 KN	X						(weided?) wk arg ipst		SONIA SUSANA	Cerro Lica Khaua	7,919,325	19,513,809	2	<0.5	<2	34	17	<5	<5	<10	2	1,083	<5
806	1956 KN	X						an		SONIA SUSANA	Cerro Lica Khaua	7,919,162	19,513,912	2	<0.5	36	4	76	<5	<5	<10	2	113	<5
807	1957 KN	X						arg ipst		SONIA SUSANA	Cerro Lica Khaua	7,919,025	19,513,805	2	<0.5	3	28	18	<5	<5	<10	1	382	<5
808	1958 KN	X						arg-sil ipst		SONIA SUSANA	Cerro Lica Khaua	7,919,120	19,513,707	2	<0.5	6	15	31	<5	<5	<10	<1	91	<5
809	1959 KN	X						ipst		SONIA SUSANA	Cerro Lica Khaua	7,918,948	19,513,495	2	<0.5	3	11	98	<5	<5	<20	<1	186	<5
810	1940 KN	X						sil, wk-arg ipst		SONIA SUSANA	Cerro Lica Khaua	7,919,243	19,514,040	2	<0.5	2	19	17	<5	<5	<20	2	277	<5
811	1941 KN	X						an prpy tfr		SONIA SUSANA	Cerro Lica Khaua	7,919,350	19,514,092	2	<0.5	33	5	92	<5	<5	30	3	75	<5
812	1942 KN	X						welid ipst		SONIA SUSANA	Cerro Lica Khaua	7,918,720	19,513,808	2	<0.5	8	35	11	93	<5	30	3	75	<5
813	1943 KN	X						arg ipst		SONIA SUSANA	Cerro Lica Khaua	7,918,511	19,514,238	2	<0.5	42	30	69	41	<5	250	12	1,586	<5
814	1944 KN	X						stg-sil (ipst?)		SONIA SUSANA	Cerro Lica Khaua	7,918,621	19,514,570	2	<0.5	<2	12	31	<5	<5	20	<1	1,247	<5
815	1945 KN	X						r-sil		SONIA SUSANA	Cerro Lica Khaua	7,918,428	19,514,651	2	<0.5	22	<3	80	<5	<5	30	1	78	<5
816	1946 KN	X						prpy tf		SONIA SUSANA	Cerro Lica Khaua	7,918,371	19,515,126	2	<0.5	5	10	30	<5	<5	30	3	62	<5
817	1947 KN	X						welid ipst		SONIA SUSANA	Cerro Pako Khellu	7,918,382	19,515,710	2	<0.5	40	4	83	<5	<5	30	<1	76	<5
818	1948 KN	X						prpy tfr		SONIA SUSANA	Cerro Pako Khellu	7,918,579	19,515,787	2	<0.5	10	56	109	61	<5	300	1	164	<5
819	1949 KN	X	X					stg-arg, tf		SONIA SUSANA	Cerro Pako Khellu	7,918,555	19,515,990	2	<0.5	<2	3	80	6	<5	20	2	21	<5
820	1950 KN	X						an		SONIA SUSANA	Cerro Pako Khellu	7,918,453	19,516,157	2	<0.5	188	7	83	<5	<5	10	<1	126	<5
821	1951 KN	X						prpy an		SONIA SUSANA	Cerro Pako Khellu	7,918,487	19,516,008	23	<0.5	104	3	78	<5	<5	30	2	136	<5
822	1952 KN	X						stg sil-rock		SONIA SUSANA	Cerro Pako Khellu	7,918,482	19,516,336	2	<0.5	3	28	40	9	<5	20	<1	145	<5
823	1953 KN	X						arg sil ipst		SONIA SUSANA	Cerro Pako Khellu	7,918,702	19,516,265	121	1	10	41	<2	528	26	110	6	607	21
824	1954 KN	X						stg sil-ipst		SONIA SUSANA	Cerro Pako Khellu	7,918,408	19,516,845	17	14	31	280	10	21	<5	80	4	128	<5
825	1955 KN	X						arg ipst		SONIA SUSANA	Cerro Pako Khellu	7,917,679	19,517,766	2	<0.5	9	21	3	161	9	80	4	128	<5
826	1956 KN	X						stg sil-ipst		SONIA SUSANA	Cerro Pako Khellu	7,917,574	19,516,858	6	23	143	1,672	148	33	<5	100	87	74	<5
827	1957 KN	X						arg-tf (rhy) stg sil vein		SONIA SUSANA	Cerro Pako Khellu	7,917,002	19,516,265	7	<0.5	17	75	28	13	<5	30	7	45	<5
828	1958 KN	X						arg sil tf (rpy)		SONIA SUSANA	Cerro Pako Khellu	7,916,645	19,516,775	8	1	59	7	286	118	<5	50	<1	58	<5
829	1959 KN	X						an	py in an	SONIA SUSANA	Cerro Pako Khellu	7,916,440	19,516,325	2	<0.5	2	11	43	6	<5	<10	2	45	<5
830	1960 KN	X						prpy rhy	Cancel	SONIA SUSANA	Cerro Pako Khellu	7,918,971	19,516,256	410	9	93	136	24	3,210	93	<10	224	1,441	44
831	1961 KN	X						stg sil vein in stg-arg an		SONIA SUSANA	Cerro Pako Khellu	7,918,653	19,517,034	2	<0.5	22	74	356	37	<5	<10	2	122	<5
832	1962 KN	X						mid-sil zone in ipst		SONIA SUSANA	Cerro Pako Khellu	7,918,846	19,517,343	2	13	21	9,500	4,383	191	<5	480	3	39	<5
833	1963 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,395	19,561,356	5	25	43	2,456	3,628	115	<5	460	<1	472	<5
834	1964 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,395	19,561,339	31	140	287	15,200	15,639	288	13	1,240	3	23	<5
835	1965 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,385	19,561,332	21	24	55	2,904	7,801	859	11	1,670	<1	72	<5
836	1966 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,395	19,561,319	2	45	128	1,325	2,243	121	<5	690	2	28	<5
837	1967 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,387	19,561,307	8	39	85	2,281	4,528	259	6	560	2	21	<5
838	1968 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,388	19,561,289	2	82	249	3,150	4,373	61	<5	1,100	1	30	<5
839	1969 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,388	19,561,286	2	8	31	590	3,021	61	<5	280	<1	97	<5
840	1970 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,388	19,561,287	2	2	11	228	637	36	<5	170	2	357	<5
841	1971 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,390	19,561,278	2	12	10	2,135	1,115	47	<5	410	2	334	<5
842	1972 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,383	19,561,375	2	3	76	5,501	1,306	7	<5	400	<1	113	<5
843	1973 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,383	19,561,371	2	1	34	2,519	1,648	79	<5	156	<1	224	<5
844	1974 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,384	19,561,363	2	58	148	8,035	4,538	30	<5	480	3	134	<5
845	1975 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,384	19,561,361	2	7	174	11,300	2,825	44	<5	860	1	136	<5
846	1976 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,385	19,561,336	2	9	12	1,314	1,047	59	<5	530	4	86	<5
847	1977 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,386	19,561,336	2	<0.5	4	140	1,852	<5	<5	100	<1	412	<5
848	1978 MH	X						tunnel		TURAQUIRI	Cerro Pako Khellu	7,994,388	19,561,338	2	1	4	101	1,317	<5	<5	270	2	251	<5
850	1980 MH	X	X					bt-oz da (py-mp)		TURAQUIRI	Cerro Pako Khellu	7,994,400	19,561,442											

Appendix 1 Sample List of Laboratory Works (All Samples)

1999 BOLIVIA ORURO-UYUNI AREA

Serial No.	Sample No.	CA rock	CA one	TS	PS	XR	FI	DT	STD	Field name of Rock	Remarks
851	2101 YSS			X				X		da-an lava	
852	2102 FMS										not for dating
853	2103 MML							X		da lava	not for dating
854	2107 FMS			X				X		da (tf)	
855	2108 GOC			X				X	X	da	
856	2108 GOC			X				X	X	an	
857	2110 FMS			X						da	not for dating
858	2111 FMS			X						bt an (tf)	not for dating
859	2112 FMS			X				X		bt rhy	
860	2113 MML			X				X		da or/da an	
861	2114 YSS									da	not for dating
		803	32	50	30	50	10	10	30		

District	Location	UTM		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
		N	E											
CALORNO		7.765.981	19.545.979											
CALORNO		7.763.525	19.541.090											
CALORNO		7.765.841	19.542.870											
SONIA SUSANA		7.922.907	19.521.079											
SONIA SUSANA		7.922.593	19.508.987											
SONIA SUSANA		7.919.177	19.508.313											
SONIA SUSANA		7.921.334	19.506.070											
TURACQUIRI		7.955.625	19.561.400											
TURACQUIRI		7.954.430	19.561.220											
CHULLCANI		7.974.520	19.520.104											
CHULLCANI		7.974.776	19.520.404											



Appendix 2

Microscopic Observations of Thin Sections

"SAMPLE LIST of LABORATORY WORKS" (THIN SECTION)

Sample No.	District	UTM		Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Ba	Sn	
		N	E	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
1	1181	TURAQUIRI	7,993,398	19,561,730	<2	5	46	103	120	6	<5	310	2	488	<5
2	1493	TURAQUIRI	7,994,487	19,562,047	<2	7	6	82	3,801	<5	<5	20	1	3,349	<5
3	1980	TURAQUIRI	7,994,400	19,561,442											
4	2111	TURAQUIRI	7,995,625	19,561,400											
5	2112	TURAQUIRI	7,994,430	19,561,220											
6	2113	CHULLCANI	7,974,520	19,520,104											
7	1172	ASU ASUNI	7,983,734	19,549,209	3	<0.5	29	21	59	<5	<5	30	5	218	<5
8	1293	ASU ASUNI	7,984,703	19,550,265	<2	<0.5	<2	<3	<2	<5	<5	50	1	198	<5
9	1294	ASU ASUNI	7,984,759	19,550,226	<2	<0.5	5	<3	3	<5	<5	40	1	327	<5
10	1389	ASU ASUNI	7,984,024	19,550,862	<2	<0.5	15	7	82	<5	<5	10	<1	191	<5
11	1395	ASU ASUNI	7,982,975	19,550,561	<2	<0.5	24	<3	433	<5	<5	10	<1	152	<5
12	1153	SONIA SUSANA	7,918,316	19,512,706	<2	<0.5	37	16	103	25	<5	30	1	122	<5
13	1368	SONIA SUSANA	7,917,743	19,515,263	<2	<0.5	61	5	66	<5	<5	10	3	62	<5
14	1370	SONIA SUSANA	7,917,814	19,515,566	<2	<0.5	8	3	18	5	<5	<10	1	448	<5
15	1602	SONIA SUSANA	7,917,182	19,514,975	<2	<0.5	27	5	106	10	<5	20	1	125	<5
16	1794	SONIA SUSANA	7,917,956	19,520,263											
17	1920	SONIA SUSANA	7,918,320	19,515,537	<2	<0.5	19	<3	82	<5	<5	10	1	97	<5
18	1923	SONIA SUSANA	7,919,527	19,513,245	<2	<0.5	13	16	107	9	<5	10	3	150	<5
19	1949	SONIA SUSANA	7,918,555	19,515,990	<2	<0.5	<2	3	80	6	<5	20	2	21	<5
20	2107	SONIA SUSANA	7,922,907	19,521,079											
21	2108	SONIA SUSANA	7,922,593	19,508,987											
22	2109	SONIA SUSANA	7,919,177	19,508,313											
23	2110	SONIA SUSANA	7,921,334	19,506,070											
24	1012	CALORNO	7,763,808	19,543,884	<2	<0.5	6	7	3	9	<5	10	14	257	<5
25	1023	CALORNO	7,762,662	19,543,372	2	<0.5	10	10	<2	13	<5	4,040	6	172	<5
26	1118	CALORNO	7,763,322	19,543,775	<2	<0.5	57	<3	3	24	<5	130	<1	62	<5
27	1135	CALORNO	7,763,701	19,544,234	<2	<0.5	29	17	25	124	<5	180	49	412	<5
28	1320	CALORNO	7,763,613	19,543,678	<2	<0.5	11	4	<2	19	<5	80	3	159	<5
29	1323	CALORNO	7,763,617	19,543,346	<2	<0.5	5	3	<2	95	<5	420	3	52	<5
30	1424	CALORNO	7,764,870	19,541,700	<2	<0.5	16	19	2	29	<5	130	19	321	<5
31	1428	CALORNO	7,766,320	19,541,010	2	<0.5	14	<3	13	127	<5	420	4	242	<5
32	1431	CALORNO	7,765,935	19,540,560	4	<0.5	107	6	17	123	<5	30	8	178	<5
33	1433	CALORNO	7,766,025	19,539,910	<2	<0.5	30	<3	<2	9	<5	1,920	2	138	<5
34	1448	CALORNO	7,765,300	19,543,870	<2	<0.5	18	<3	11	<5	<5	10	<1	80	<5
35	1792	CALORNO	7,761,074	19,543,615											
36	1793	CALORNO	7,761,302	19,544,408											
37	1855	CALORNO	7,757,919	19,543,700	<2	<0.5	3	7	<2	44	<5	40	3	219	<5
38	1863	CALORNO	7,755,838	19,543,883	<2	<0.5	53	<3	46	<5	<5	20	2	149	<5
39	2101	CALORNO	7,765,981	19,545,979											
40	1002	LOMA LLENA	7,710,171	19,581,626	2	<0.5	39	9	6	13	<5	70	6	153	<5
41	1042	LOMA LLENA	7,710,833	19,582,348											
42	1043	LOMA LLENA	7,723,886	19,571,711											
43	1102	LOMA LLENA	7,715,770	19,577,708	<2	<0.5	2	<3	<2	<5	<5	10	<1	81	<5
44	1142	LOMA LLENA	7,710,067	19,579,257											
45	1409	LOMA LLENA	7,725,430	19,571,810	4	<0.5	3	3	2	19	<5	60	2	135	<5
46	1708	LOMA LLENA	7,710,119	19,579,264	<2	<0.5	24	<3	67	<5	<5	10	3	109	<5
47	1719	LOMA LLENA	7,721,900	19,572,083	<2	<0.5	61	6	7	82	<5	20	1	110	<5
48	1791	LOMA LLENA	7,721,849	19,571,758											
49	1802	LOMA LLENA	7,711,132	19,581,341	<2	<0.5	40	<3	74	<5	<5	30	1	117	<5
50	1821	LOMA LLENA	7,723,075	19,573,069	<2	<0.5	45	<3	46	<5	<5	10	<1	73	<5

