5-2-3 Mineralization and Associated Alteration

Several types of gold and sulfide mineralization were distinguished in the Cisasah area. Stratabound gypsum and manganese deposits have been found and exploited at Cisasah and Cidadap in the eastern part of the Cisasah area. Barite ore was found at the latest stage of the field survey this phase at Cibuniasih. Gold-bearing quartz veins were found at Padawaras in the western part of the area. Sulfide mineralization accompanied by silicification and clay alteration was recognized at Darawati in the western part and along S. Cilangla in the central part of the Cisasah area. The details are described below. The summary of mineralization in the Cisasah area is listed in Table 2-14.

Cisasah

Stratabound gypsum ore occurs in green tuff at the Cisasah gypsum mine. Green tuff is composed of dacite lava, tuff-breccia, pumice tuff and lapilli tuff of the upper member of the Jampang Formation. These tuffs are altered into montmorillonite, chlorite and sericite, showing green color. Four zones were distinguished stratigraphically in ascending order: (a) foot-wall green tuff, (b) grey massive anhydrite-gypsum zone, (c) green partly reddish clayey (mainly montmorillonite) tuff with gypsum veins, and (d) hanging-wall green pumice tuff. Pyrite is strongly disseminated in (b) zone. A small amount of sphalerite and galena were detected in the Cisasah gypsum mine. An assay result of 1.31 g/t Au, 124 g/t Ag, 0.19 % Pb, 0.45 % Zn and 14.60 % Fe was obtained from a gypsum ore in the Cisasah mine (CS4M). The assemblages of alteration minerals detected in each zone by X-ray diffraction analysis are: (a) (not-examined), (b) quartz-sericite, (c) montmorillonite-chlorite-sericite-kaolin-mixed layer mineral, and (d) montmorillonite-sericite.

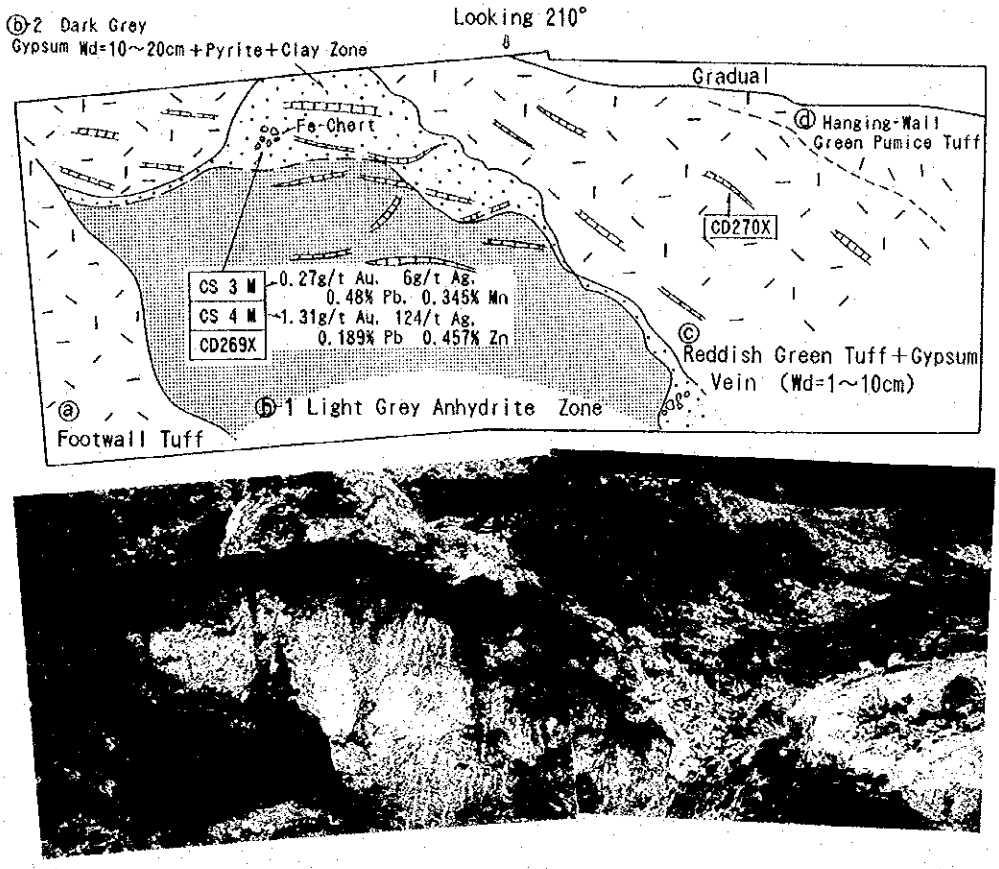
Manganese ore occurs above the gypsum ore horizon in green tuff. Four zones were distinguished in the Cisasah manganese deposit: (e) green pumice tuff, (f) rhodochrosite and manganese oxide (pyrolusite and psilomelane) ore, (g) montmorillonitized pumice tuff with a patch of rhodochrosite, and (h) hanging-wall green tuff.

Sketches of the mode of occurrence of gypsum and manganese ores are shown in Fig. 2-13.

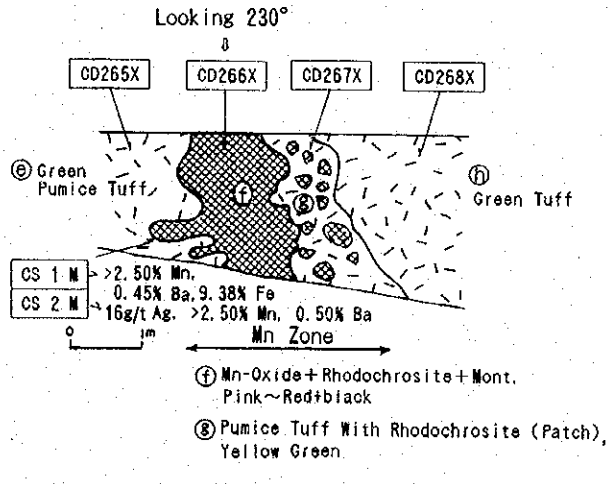
Stratigraphic horizons of gypsum and manganese ores are illustrated in Fig. 2-15.

One more zone of manganese ore occurs several hundred meters west-southwest of the Cisasah mine within hanging-wall green tuff.

Gypsum ore is mined by private company at a rate of a few tons per day. One mining concession (Surat Ijin Penambangan Daerah) of 1.5 ha for gypsum ore, and one KP of 5 ha for manganese ore are registered in this area.



Sketch (Ⅰ) & Photo of Gypsum Pit



Sketch (Ⅱ) Western Wall of Water Drain

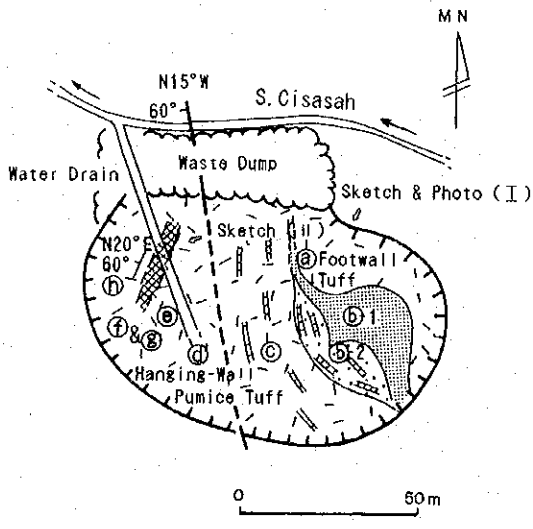
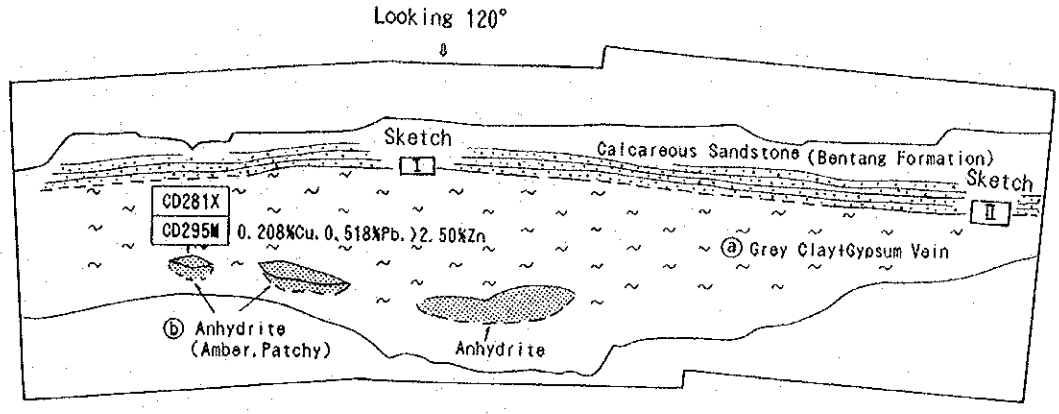
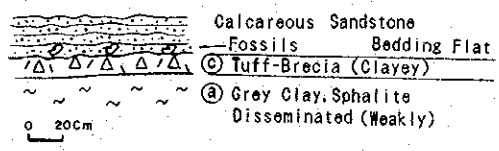
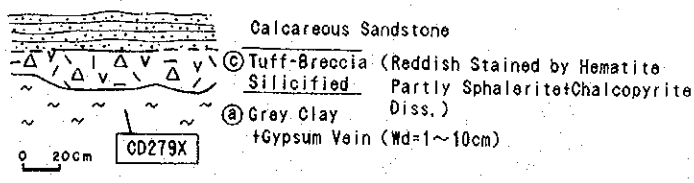


Fig. 2-13 Sketch of Massive Sulfide Mineralization in the Cisasah Mine





Pitwall Sketch (I)



Pitwall Sketch (II)

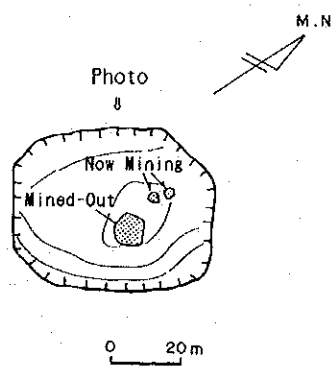
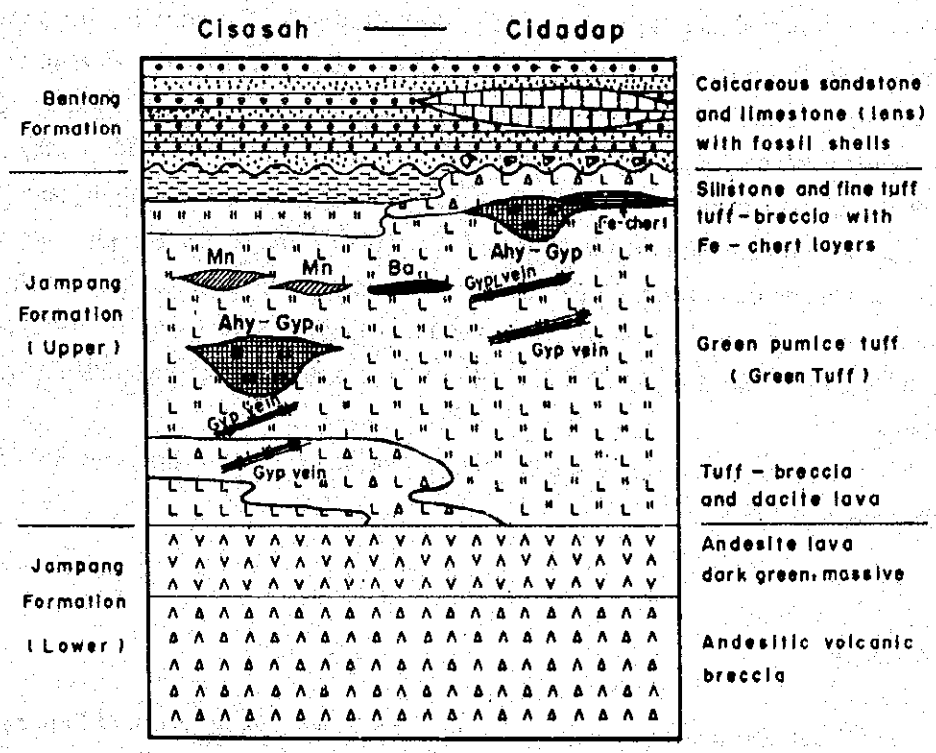


Fig. 2-14 Sketch of Massive Sulfide Mineralization in the Cidadap Mine



Schematic columner section of the Cisasah-Cidadap area showing the stratigraphic horizone of gypsum mineralization. Barite bed at Cibuniasih is temporary shown in this column. The details of it's horizon must be further studied.

Fig. 2-15 Schematic Columner Section of the Cisasah-Cidadap Area

Cidadap

At Cidadap, stratabound gypsum ore occurs in green tuff just below the boundary of green tuff of the Jampang Formation and calcareous sandstone of the Bentang Formation. Above the footwall green pumice tuff, the following three zones were recognized in ascending order: (a) grey clay zone with gypsum vein, (b) grey anhydrite-gypsum ore, (c) hanging-wall white clayey tuff-breccia. Zone (b) forms isolated masses up to 10 m in thickness within grey clay zone. Grey clay is mainly composed of sericite and quartz with some pyrite dissemination. Hanging-wall tuff-breccia at the northwestern pit wall is silicified and reddish stained by hematite. Sulfide minerals were found in (a), (b) and (c) zones. Pyrite and sphalerite (marmatite) are disseminated in (a) and (b) zones. Pyrite, sphalerite and chalcopyrite are disseminated in (c) zone. The dissemination of base-metal minerals is very little and sporadic in both cases. A gypsum ore of such sulfide dissemination showed an assay result of 0.06 g/t Au, 0.21 % Cu, 0.52 % Pb, >2.50 % Zn (CD295M). Fig. 2-14 shows the mode of occurrence of gypsum ore at the Cidadap mine.

Gypsum ore is produced in a small scale by a local government company. One SIPD of 97 ha is registered in this area.

Cibuniasih

A barite bed was found at the upper reaches of S. Cihaseum, a branch of Cimedang to the east of Cisasah. Barite ores occur in a green tuff member (fine tuff and pumice tuff) of the Jampang Formation together with sulfide minerals such as galena, sphalerite, chalcopyrite and pyrite as accessory minerals. One of these barite ores showed a significant concentration of gold and silver (See Table 2-9). Silicification, sericitization and chloritization were observed in the mineralized zone. Gravels of ferruginous chert occur in the alteration zone.

About 1 km east of the barite occurrence, manganese ore was found in green tuff of the Jampang Formation. Manganese ore occurs as interbedded with barite bed. These ores were found at the latest stage of field survey this phase. Therefore, much detailed study must be done in the next phase.

Padawaras

In the Padawaras prospect, quartz veins occur at several localities such as S. Cipatujah, S. Cikatulampa, S. Citisuk and S. Cijolang. During panning survey along S. Citisuk this phase, gold grains were detected at a couple of localities. Such places are located several hundred meters downstream of

quartz vein outcrops. The width of quartz veins ranges from a few centimeters up to 20 cm. These veins crop out together in several places, forming quartz stockwork zones up to 6 m in width. Each vein shows trends of NNW, N-S and NNE with steep dip in common. Quartz shows white to translucent, coarse-grained features. Druses are sometimes developed within quartz veins. Sulfide minerals contained in quartz veins/stockworks are pyrite, chalcopyrite, sphalerite and galena. One of these samples showed an assay result of 3.49 g/t Au, 16 g/t Ag, 2.21 % Pb and 0.38 % Zn (CA9M). Strong silicification and weak kaolinitization were observed in quartz stockwork zone.

No mining activity has been conducted in the Padawaras prospect.

Darawati

At the upper reaches of S. Cijambehaseum, green tuffs consisting mainly of fine tuff and tuffaceous siltstone are partly silicified and kaolinized with strong pyrite dissemination. Gypsum occurs in such alteration zones. These localities are situated at the southwest of the Tenjolaut granodiorite stock. Several Au and As anomalies of stream sediments were detected along S. Cijambehaseum.

Cilangla (1)

A silicified and sulfide disseminated zone was found at S. Cibersih in the Cilangla area. This sulfide zone, about 20 cm in thickness, occurs within lapilli tuff of the upper member of the Jampang Formation.

Sulfide minerals found in this zone are mostly pyrite with a small amount of chalcopyrite and covelline. Pyrite, galena and magnetite are disseminated in the hanging-wall silicified lapilli tuff. Specularite was found in cracks of sulfide zone. A grade of 2.03 % Cu and 15.80 % Fe was returned. Chloritization, sericitization, carbonitization and epidotization were detected by X-ray diffraction analysis.

Cilangla (2)

Quartz veins of N-S trend occur at several kilometers downstream of Cilangla (1). These veins are generally thin, up to 10 cm. Sulfide minerals such as pyrite, chalcopyrite, sphalerite and galena were found in thin veins. A grade of 1.62 % Cu and 15.00 % Fe was returned.

Table 2-14 Summary of Geological and Geochemical Surveys in the Cisasah Area

NAME	LOCATION	GEOCHEMISTRY		MINERALIZATION					IGNEOUS ROCK	ASSAY RESULT	MINING ACTIVITY
		PANNING	STREAM SEDIMENT	TYPE	HOST ROCK	STRUCTURE VEIN SYSTEM	ORE MINERALS	ALTERATION			
Cisasah	NE part Cisasah (branch of Ci-wulan)	Some Au	Some Au Ag,As,Sb Mn Cu,Pb,Zn	Gypsum & Mn (Stratabound)	Green tuff (P-tf & Tf-bre) (U of Jp)	Stratabound & vein	Py,Gp,Ah,Rd Mn-oxide	Sil, Ser Chl, Mont	-----	Au1.31g/t,Ag124g/t Pb0.19%,Zn0.45% Fe14.60%(CS4M)	Gp mine (open pit) SIPD (1.5 ha) Mn mine-KP (5ha)
Cidadap	SE part (lower reaches of Ciwu-lan)	Gold not detected	Some Au As	Gypsum (Stratabound)	Green tuff (P-tf & Tf-bre) (U of Jp)	Stratabound & vein	Py,Sp,Gp Ah	Sil, Ser (Mont)	-----	Au0.06g/t,Cu0.21% Pb0.52%,Zn>2.50% (CD295M)	Open pit SIPD (97 ha)
Cibuniasih	East of Cisasah (Cihaseum)	Not tried yet	-----	Barite bed & Mn	Green tuff (F-tf) (U of Jp)	Stratabound	Ba,Gn,Sp,Cp Py	Sil, Ser (Mont)	Qp	Au2.17g/t,Ag662g/t Cu0.83%,Pb38.64% Zn16.94%,Ba16.29% (DD2M)	Open pit (Mn) Old Pit (Ba)
Padawaras	Western part (Ci-patujah, Cikatu - lampa, Citisuk, Cijolang)	Some Au	Some Au As	Qz vein/stkwk with Au	Green tuff (F-tf & Tf-bre) (U of Jp)	N - S NNW NNE	Py,Cp,Sp Gn	Sil (Kaol)	Qp	Au3.49g/t,Ag16g/t Pb2.21%,Zn0.38% (CA9M)	Nothing
Darawati	Western part (Ci-jambehaseum)	Gold not detected	Some Au As	Silicified, kaolinized, & Py diss	Green tuff (F-tf & Silt) (U of Jp)	-----	Py	Sil, Kaol	Tenjolaut Gd	Fe7.91%(CD329M)	Nothing
Cilangla (1)	Central part (Ci-bersih)	Gold not detected	-----	Silicified & sulfide diss	Green tuff (Lap tf) (U of Jp)	N - S to NNW	Py,Cp,Cv,Gn Sc	Sil, Chl Carb, Ser Epi	Qp	Cu2.03%,Fe15.80% Mn0.27%(CK4M)	Small pits (Mn) in the vicinity
Cilangla (2)	Central part (Ci-bengang, Cikerepu Cibongas)	Gold not detected	Some Au As(low)	Qz sulfide vein & netwk	Green tuff (Lap tf & Tf-bre) (U of Jp)	N - S	Py,Cp,Sp Gn	Sil	And (dyke)	Cu1.62%,Fe15.00% (CS16M)	Nothing

5-3 Stream Sediment Geochemistry

5-3-1 Sampling and Chemical Analysis

Stream sediment geochemistry was carried out in the first phase for the purpose of defining hidden mineralized zones which would otherwise be undetected by geological survey, as well as for clarifying the extension of mineral occurrences known through the geological survey.

Fine sand samples of -80 mesh were collected from sediments in major channels and some of the bigger tributaries. The number of stream sediment samples collected was 401, which corresponds to a sampling density of approximately one sample per 0.8 km^2. The samples, after being air-dried in the field, were analyzed at Chemex Labs Ltd. for 12 elements; Au, Ag, Cu, Pb, Zn, As, Sb, Hg, P, Cr, Mn and Ba. The methods of analysis and limits of detection are shown in Table 2-10.

5-3-2 Anomalies of Stream Sediment Geochemistry

(1) Statistical Data Analysis

The same methods and procedures of stream sediment geochemistry in the Salopa area were applied in the Cisasah area.

The results were integrated together, and several significant anomalous zones were outlined. The distribution of geochemical anomalies was drawn by computer shown in the appendices.

(2) Anomalies of Stream Sediment Geochemistry

Cisasah: Three Au anomalies and several anomalies of Ag, Pb, Zn, Sb and Ba of stream sediments were found in this area. They showed significant anomalous values: up to 708 ppb Au, up to 50 ppm Ag, up to 522 ppm As, and up to 75 ppm Sb. Mn values were also extremely anomalous -- more than 10,000 ppm. Cu anomalies of the second order were also detected. These anomalies almost overlap with the anomalies of panning survey; gold, cinnabar, galena and arsenopyrite were found in pan concentrates in this area.

Cidadap: One Au anomaly (268 ppb) and one Ag, As, Sb and Ba low level anomalies of stream sediment samples were detected at Cidadap.

Padawaras: One Au anomaly (188 ppb) and several Cu, Pb and Sb low level anomalies of stream sediments were detected along S. Citisuk. They are located at just downstream of quartz veins and clay zones. A couple of Au anomalies of the second order were found at the upper reaches of S. Cipatujah.

Darawati: A couple of Au and Zn low level anomalies of stream sediments were detected along S. Cijambehaseum in Darawati.

Cilangla (1): There is no significant anomaly of stream sediment sample in the Cilangla (1) prospect. Only a couple of minor Cu and Zn anomalies was recognized at the upper reaches of S. Cibengan.

Cilangla (2): Several Ag, Cu, Pb and Zn anomalies of stream sediments, though low level ones, are distributed in this area. One weak Au anomaly (54 ppb) was caught at the southeastern part of this area.

The other anomalies detected in the first phase stream sediment geochemistry are as follows:

·Cibatuireng
·Cibungur
·Cipalahlar (a branch of Cicadas)

5-4 Panning Survey

5-4-1 Sampling and Heavy Mineral Identification

Panning survey was carried out in the Cisasah area in the first phase. One hundred and four panned samples were checked in the Cisasah area.

5-4-2 Anomalies of Panning

Gold was detected in six samples in the Cisasah area. It is composed of fine to very fine carat gold of up to 350 microns in diameter. The major heavy minerals observed in pan concentrates are: garnet, epidote, zircon, ilmenite and magnetite. As for sulfide minerals, pyrite, arsenopyrite, chalcopyrite, galena, argentite and cinnabar were found in some pan concentrate samples.

Gold was detected in the following three localities:

·Cisasah
·Cibungur
·Padawaras

Sulfide minerals such as pyrite, arsenopyrite, chalcopyrite, galena, argentite and cinnabar were also detected in pan concentrates in these places.

The other places where sulfide minerals were frequently found during panning survey are the following two localities:

·Cilangla (1)
·Cilangla (2)

5-5 Discussion

In the course of field survey this phase, the extensive distribution of dacitic pyroclastic rocks of the Upper Member of the Jampang Formation, which is so-called green tuff, was proved over an area from the eastern part to the east of the Cisasah area. The green tuff is composed of pumice tuff, lapilli tuff, tuff-breccia and fine tuff. So-called "moyamoya tuff", which is a dacite lava, also occurs in the green tuff succession. So far as the result of survey this phase, the structure of these tuffs is extremely monotonous and flat. The thickness is around 200 m in the vicinity of the Cisasah gypsum mine. They are overlain by the Kalipucang limestone or the Bentang calcareous sandstone. They crop out mainly along creeks and low-altitude areas within the survey area.

The results of field surveys which were conducted mostly at the Cisasah and Cidadap gypsum mines and some at Cibuniasih, indicate that the size and magnitude of submarine dacitic volcanic activity in this area were comparatively smaller-scale and weaker than those of in the Hokuroku district in Japan.

The total accumulation of green tuff is thin. Lava and coarse pyroclastic members are rather minor in the green tuff succession. The succession is characterized by the absence of mudstone layer, like the M2 mudstone in the Hokuroku district, although thin lenses of mudstone are intercalated in green tuff. Together with this, the occurrence of coral reef limestone near the massive sulfide horizon indicates that the volcanic activity of green tuff in this area occurred under rather shallow sea. As stratabound manganese deposit and ferruginous chert layer occur at the hanging-wall side of the massive sulfide horizon, it can be estimated that the conditions of the waning stage of massive sulfide mineralization became an oxidation environment in the sea. The massive sulfide deposit of a certain size could be formed from the thick sulfide accumulation under the reduction environment of deep sea. It is supposed to be an important factor for the massive sulfide ore that the sulfide should be covered by sealing rock such as mudstone or basalt lava just after the precipitation.

Some characteristic features of hydrothermal alteration around the massive sulfide ore zone in this area were investigated by the laboratory studies in the first phase. In the Cisasah and Cidadap gypsum mines, the quartz-sericite zone is distributed in the footwall -- including gypsum zone -- of the massive sulfide horizon. The alteration zone of the massive sulfide horizon is characterized by the quartz-sericite-chlorite assemblage. Montmorillonite, kaolin and mixed-layer mineral were detected in the massive sulfide horizon by X-ray diffraction analysis. The mixed layer mineral is chlorite-montmorillonite mixed layer. Montmorillonitization was observed in the hanging-wall side of the horizon commonly. The lateral extent of hydrothermal alteration has not been studied in detail. The distribution of alteration zones looks small from the observation at the sporadic outcrops of green tuff in the survey area.

Gold and base-metal mineralization were found in several localities from the central to the western parts of the Cisasah area. Intrusive bodies of quartz-porphyry, andesite and dacite sometimes occur in the vicinity of these mineralized places. Some relation of mineralization to the igneous bodies is implied from their intimate occurrences. Furthermore, some of those intrusive bodies were interpreted to be affiliated from the Tenjolaut granodiorite stock. Gold-bearing quartz veins in Padawaras show massive and coarse-grained morphology. They are different from those of the Salopa area. It shows rather mesothermal vein features. A small amount of pyrite, chalcopyrite, sphalerite and galena is associated with gold in the quartz veins. Arsenopyrite has not been found in the Padawaras prospect. The mineralization of sulfides such as pyrite, chalcopyrite, sphalerite and galena was found at the middle reaches of S. Cilangla. Silicification, chloritization and epidotization -- it is again different from the Salopa area -- were accompanied by the sulfide mineralization in this prospect. Based on the vein morphology and the mode of alteration, together with the occurrence of magnetite, it was interpreted to be formed at the deeper portion of a hydrothermal system, probably related with the igneous activity.

PART III

CONCLUSIONS AND RECOMENDATIONS

PART III CONCLUSIONS AND RECOMMENDATIONS

Chapter 1 Conclusions

On the basis of the results of the first phase works comprising satellite image photogeological interpretation, review of the existing geological information, geological survey and geochemical exploration, the following conclusions are obtained.

1-1 Salopa Area

(1) The JERS-1 SAR data were processed and two scenes of monochrome image of 1:200,000 scale were prepared. The topography, drainage systems, geology and geologic structure were analyzed on these images. A total of eleven geologic units was classified and identified within the area. These photogeologic units were examined during the field survey, and relatively good correlation with the results of geological survey was obtained. Photolineaments and circular structures were extracted on the image in the survey area. Among them, a complex circular structure centered near Salopa was interpreted to be an old volcanic depression related to the volcanic activity of the Upper Member of the Jampang Formation. No field evidence connecting this photogeological structure to the vein system has been found during the field survey. It must be further studied in the next phase survey.

(2) A total of 17 epithermal gold showings was found through geological survey and geochemical exploration in the Salopa area. Among them, the Ciniru-Cikuya prospect showed a significant potential of epithermal gold deposit. Several gold-bearing quartz veins and network veins occur at the junction of S. Ciniru and S. Cipanawar. Gold was recognized in a series of quartz veins/networks of mainly NW direction. Test samples taken from the quartz vein outcrops on the river-bed showed significant gold and silver values. Distinctive gold anomalies were caught by panning survey, stream sediment survey and reconnaissance soil survey in this prospect. A group of quarzt veins/networks trending NW and NNE is developed at S. Cikuya. Significant gold and silver grades were obtained from grab samples of old workings. Small but solid geochemical gold anomalies were also found in this prospect. These two prospects are located in an area of 8 km (NW-SE) by 5 km (NE-SW) in the southern part of the Salopa area. Some anomalies of panning survey and stream sediment geochemistry were caught at the middle reaches of S. Cimedang which was situated at the middle of these two prospects. Gold mineralization is expected to be continued in this zone.

(3) One more attractive prospect -- Cikondang-Citambal-Ciseel -- was extracted in the northeastern part of the Salopa area.

Numerous gold-bearing quartz veins and network veins of mainly NW trend are distributed in these prospects. Remarkable results of gold assay were returned from outcrops and old workings in these prospects. Significant gold anomalies were outlined by panning survey and stream sediment geochemistry. These three prospects are arranged within an area of approximately 40 km^2 elongating NW-SE. Gold anomalies are expected to extend about 5 km more to the southeast until S. Cijurey.

(4) Gold-bearing quartz veins in the Salopa area are hosted by andesitic and dacitic volcanic and pyroclastic rocks of the Jampang Formation, which are called "Old Andesites" and considered to be formed by the Oligocene to Miocene submarine tholeiitic volcanic activity. The NW system is dominant among the vein systems in this area. An area where quartz veins are developed is structurally situated on the wing of a regional anticlinorium (whose axis is WNW-ESE). On the other hand, the photogeological study indicated the existence of a complex circular structure of several tens of kilometers in diameter around Salopa. Some connection between the vein system and circular structure is assumed. Detailed structural analysis using airphotos is expected to be performed in the next phase.

(5) Characteristic features of gold mineralization on ore and gangue mineral assemblages and hydrothermal alteration were examined. These features are basically of the characteristics of epithermal gold deposit. Gold-bearing quartz veins in the Salopa area are thought to belong to the aduralia-sericitetype epithermal gold deposit. Compared with the well-known epithermal gold veins such as Cikotok and Pongkor in West Java, two things -- the occurrence of As-Sb minerals (arsenopyrite and stibnite), and lack of adularia in the gangue mineral assemblage -- are different. They are probably caused from the differences of age and conditions of formation between them.

1-2 Sidamulih Area

(1) It became clear through the survey that the gold ores which had been known at Karangjambe and other localities in the Sidamulih area were ore breccias contained in the volcanic breccia of the Jampang Formation. They are a kind of reworked ore. Geochemical gold anomalies which were deemed to be found in the past exploration in this area might come from such reworked origin. Therefore, they are empty ones.

(2) Grey to light grey clay zones with strong pyrite dissemination occur in the central-southern part of the survey area. The results of geochemical survey in the first phase showed that the level of Au anomaly was very low.

It was interpreted that the clayey alteration was formed by a geothermal activity.

1-3 Cisasah Area

(1) The distribution of dacitic pyroclastic rocks of the Upper Member of the Jampang Formation, so-called green tuff, was proved over an area from the eastern part to the east of the Cisasah area. The occurrences of two gypsum deposits and one barite bed are known within the area. Significant assay results for precious and base-metals were obtained from some samples in the Cibuniasih barite bed. It is a potential prospect of massive sulfide deposit. In this phase, we have confirmed the following matters: (a) distribution of green tuff, (b) stratigraphic succession of massive sulfide mineralization, and (c) assemblage of hydrothermal alteration minerals.

(2) The structure of green tuff horizon is extremely monotonous and flat. The thickness is rather thin, around 200 m in the vicinity of the Cisasah gypsum mine. The results of field surveys indicated that the size and magnitude of submarine dacitic volcanic activity in this area were comparatively smaller-scale and weaker than those of in the Hokuroku district in Japan. Some characteristic features of hydrothermal alteration around the massive sulfide ore zone were investigated. In the Cisasah and Cidadap gypsum mines, the quartz-sericite zone is distributed in the footwall -- including gypsum zone -- of the massive sulfide horizon. The alteration zone of the massive sulfide horizon is characterized by the quartz-sericite-chlorite assemblage. Montmorillonite, kaolin and mixed-layer mineral were detected in the massive sulfide horizon. Montmorillonitization was commonly observed in the hanging-wall side of the horizon. The distribution of alteration zones looks not extensive from the observation at the sporadic outcrops of green tuff in the survey area. In order to catch the significant size of massive sulfide ore, we have to look for such conditions as: (a) thick development of green tuff, (b) intensive activity of dacite lava, (c) thick coverage by mudstone, and (d) occurrence of intensive hydrothermal alteration haloes.

(3) Gold and base-metal mineralization were found in several localities from the central to the western parts of the Cisasah area. Gold-bearing quartz veins in Padawaras show massive vein features. Silicification, chloritization and epidotization are accompanied by the base-metal sulfide mineralization at the middle reaches of S. Cilangla. Based on the vein morphology, mineral assemblage and the mode of alteration in these prospects, it was interpreted to be formed at the deeper portion of a hydrothermal system. Intrusive bodies of quartz-porphyry, andesite and dacite sometimes occur in the vicinity of these mineralized places. Some relation of mineralization to the igneous bodies is implied from their intimate occurrences. The second-order anomalies were detected by stream sediment geochemistry. They are probably small scale and of minor importance.

Chapter 2 Recommendations for the Second Phase Exploration

Salopa Area

Structural analysis must be made on the area where indications of gold mineralization were extracted through the first phase survey by means of photogeology using airphotos. It is for the purpose of studying the relationship of structural factors to the gold mineralization, especially the circular structure recognized on the SAR image.

It is recommended that the major mineralized zones be explored by the detailed geological survey and soil survey in the second phase. Reconnaissance drilling is also recommended to test the geochemical anomalies delineated by the soil survey.

The promising prospects for the detailed survey and drilling are as follows:

(a) Ciniru-Cikuya prospect (40 km^2)

(b) Cikondang-Citambal-Ciseel prospect (40 km^2)

Sidamulih Area

No further work is recommended in the Sidamulih area.

Cisasah Area

It is recommended that the semi-detailed survey for massive sulfide deposit comprising geological survey and alteration survey be made on an area of 20 km (E-W) by 15 km (N-S) in which Cisasah, Cidadap and Cibuniasih are included. Structural drilling will be necessary for the purpose of exploring the horizon of mineralization and catching the alteration halo.

The gravity survey is also recommended over the prospect in order to investigate the basement structure and structural setting of massive sulfide mineralization.

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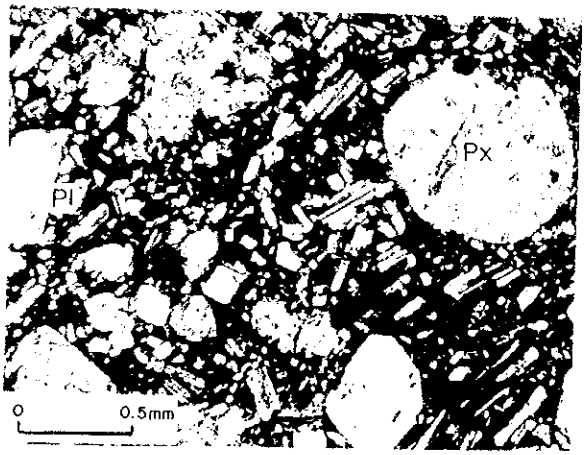
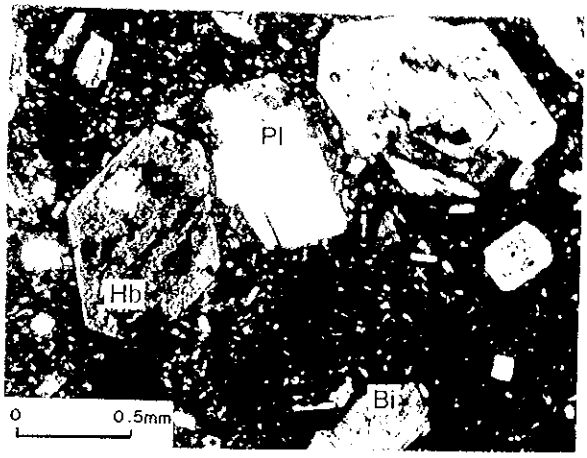
PHOTOGRAPHS

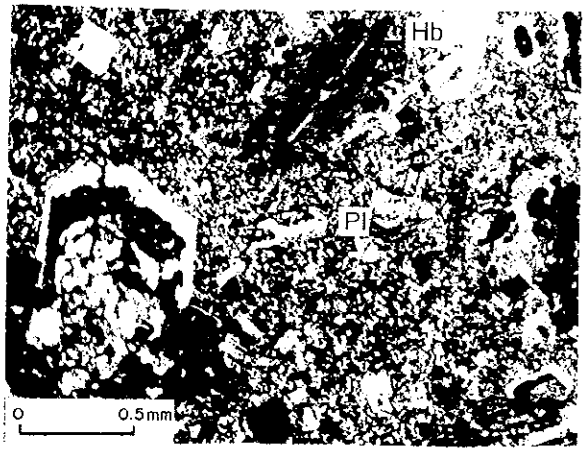
Photo. 1 Photomicrographs of Thin Sections



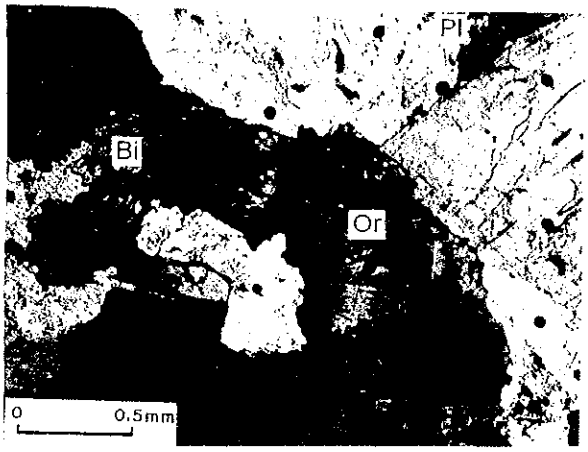
Rock Name :Andesite (Tomj)
Sample No. :AD83T
Locality :S. Cipagacian, Salopa
(Crossed Nicol)



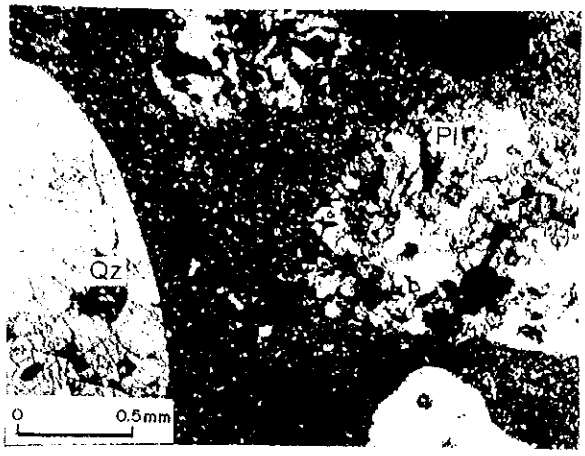
Rock Name :Granodiorite-Porphyry (Tgd)
Sample No. :AH27T
Locality :Gn. Payung, Salopa
(Crossed Nicol)



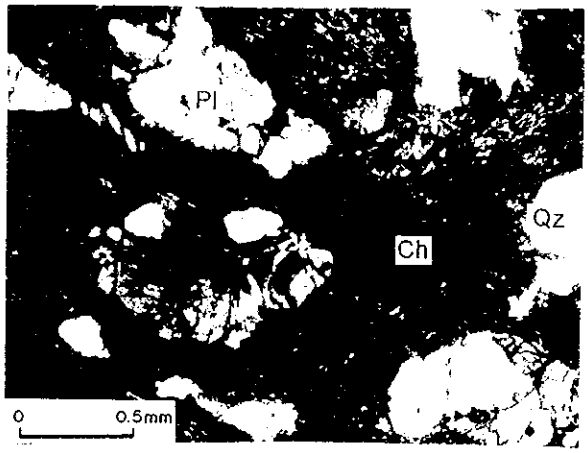
Rock Name :Hornblende Andesite (Tan)
Sample No. :AK6WT
Locality :S. Cikuya, Salopa
(Crossed Nicol)



Rock Name :Granodiorite (Tgd)
Sample No. :CD323T
Locality :Pr. Tenjolaut, Cisasah
(Crossed Nicol)



Rock Name :Quartz-Porphyry (Tgd)
Sample No. :CH20T
Locality :S. Cipunduan, Cisasah
(Crossed Nicol)



Rock Name :Dacitic Tuff (Tomj)
Sample No. :CS1T
Locality :Lebak Gintung, Cisasah
(Crossed Nicol)

Abbreviations: Qz:Quartz, Pl;Plagioclase, Or;Orthoclase, Bi;Biotite
Hb;Hornblende, Px;Pyroxene, Ch;Chlorite

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
\D100 ST	1	---	<.02	21.4	8.5	296	8.8	<.2	<.1	690	522	2,260	50
\D101 ST	2	---	0.02	23.4	9.0	235	17.4	<.2	<.1	470	568	1,970	50
\D102 ST	4	---	<.02	25.6	8.0	190	18.2	<.2	0.1	440	395	1,560	70
\D103 ST	2	---	0.02	26.0	9.0	225	18.0	<.2	<.1	490	491	1,895	60
\D104 ST	4	---	<.02	25.4	9.0	201	17.2	<.2	<.1	450	525	1,855	60
\D106 ST	<1	---	<.02	35.4	8.5	201	2.8	<.2	<.1	330	310	1,365	60
\D107 ST	2	---	<.02	25.4	9.0	252	16.2	<.2	<.1	400	528	2,090	50
\D108 ST	3	---	<.02	19.4	8.0	275	13.4	<.2	<.1	400	698	2,520	20
\D109 ST	3	---	<.02	24.2	8.5	229	15.6	<.2	<.1	420	515	2,330	40
\D110 ST	4	---	0.02	27.6	9.5	224	18.0	<.2	<.1	400	408	1,840	60
\D111 ST	4	---	0.02	36.0	9.0	162	23.6	0.4	0.1	420	241	1,105	60
\D114 ST	6	---	0.06	33.0	12.0	261	23.0	<.2	1.5	340	419	1,765	90
\D115 ST	1	---	<.02	25.6	14.0	217	12.4	<.2	<.1	310	229	1,570	70
\D116 ST	<1	---	<.02	37.0	8.5	192	8.6	<.2	0.1	280	575	1,830	70
\D117 ST	2	---	<.02	31.6	10.0	256	10.6	<.2	<.1	370	466	2,310	70
\D119 ST	1	---	<.02	25.6	10.0	145	3.4	<.2	<.1	470	187	1,400	160
\D120 ST	<1	---	<.02	17.6	9.0	188	3.6	<.2	<.1	480	242	1,485	150
\D121 ST	1	---	<.02	19.4	10.5	244	3.0	<.2	<.1	480	355	2,130	80
\D122 ST	<1	---	<.02	23.2	9.0	214	1.8	<.2	<.1	580	293	2,020	90
\D123 ST	5	---	<.02	26.4	10.0	221	2.6	<.2	<.1	560	299	1,935	90
\D125 ST	<1	---	0.02	22.0	9.0	144	2.6	<.2	<.1	620	212	1,715	120
\D126 ST	<1	---	<.02	19.8	9.5	161	3.2	<.2	<.1	570	169	1,915	130
\D127 ST	<1	---	<.02	23.4	9.5	152	2.0	<.2	<.1	530	203	1,815	130
\D128 ST	2	---	0.02	32.4	7.5	145	8.4	<.2	<.1	430	202	1,570	100
\D129 ST	<1	---	0.02	27.0	9.0	125	10.0	<.2	<.1	500	163	1,625	130
\D130 ST	<1	---	<.02	40.2	10.0	204	2.6	<.2	0.3	240	817	1,460	40
\D131 ST	3	---	<.02	43.4	8.5	185	5.8	<.2	<.1	230	575	1,395	60
\D133 ST	<1	---	<.02	39.4	7.0	82	19.4	0.6	<.1	300	266	870	50
\D134 ST	<1	---	<.02	26.4	6.5	59	14.8	<.2	0.2	300	398	840	60
\D135 ST	5	---	1.06	36.6	9.5	85	12.2	<.2	0.1	280	366	915	80
\D136 ST	384	---	0.02	54.2	9.5	122	11.8	<.2	<.1	280	439	1,315	80
\D137 ST	204	---	3.60	45.2	10.5	159	27.6	4.6	0.3	360	307	1,570	60
\D138 ST	6,990	---	0.92	39.0	10.5	212	32.0	0.8	0.1	420	442	2,010	60
\D139 ST	6,330	---	5.44	26.6	16.0	239	25.4	12.0	0.7	350	576	2,080	30
\D140 ST	47	---	0.48	33.6	13.0	179	25.4	0.6	<.1	430	397	2,000	80
\D141 ST	2	---	<.02	50.4	7.5	113	2.4	<.2	0.1	360	629	1,310	100
\D142 ST	32	---	0.36	43.8	8.0	148	18.2	0.2	0.2	460	437	1,465	80
\D143 ST	4,070	---	<.02	36.6	8.5	78	18.8	<.2	5.4	350	215	1,610	60
\D144 ST	2,390	---	0.08	37.2	8.5	158	6.2	<.2	0.4	340	549	1,305	70
D204 ST	2	---	<.02	20.0	8.5	67	16.0	<.2	<.1	330	135	1,305	60
D205 ST	2	---	<.02	20.6	10.0	143	5.8	<.2	<.1	650	250	1,520	110
D206 ST	1	---	<.02	15.6	10.0	93	6.8	<.2	0.1	410	167	1,145	90
D207 ST	4	---	<.02	22.2	10.0	122	2.6	<.2	<.1	610	433	1,780	130
D208 ST	7	---	<.02	20.0	10.0	190	3.6	<.2	<.1	640	361	2,040	100
D209 ST	5	---	<.02	21.4	9.5	175	1.4	<.2	<.1	620	332	1,995	120
D210 ST	37	---	<.02	20.0	10.0	200	1.8	<.2	<.1	610	438	2,270	100
D211 ST	<1	---	<.02	20.0	9.0	172	2.4	<.2	<.1	610	276	2,110	120
D212 ST	<1	---	<.02	17.8	10.0	239	2.2	<.2	<.1	630	404	2,580	80
D213 ST	<1	---	<.02	20.6	10.5	195	1.6	<.2	<.1	550	406	2,140	100
D214 ST	1	---	<.02	24.6	9.5	162	2.2	<.2	<.1	570	273	1,640	140
D215 ST	<1	---	<.02	30.4	11.5	217	1.4	<.2	<.1	380	295	2,180	80
D216 ST	4	---	0.06	19.6	26.5	174	31.2	<.2	0.1	600	149	1,200	100
D217 ST	252	---	<.02	27.8	10.0	168	3.2	<.2	<.1	430	198	1,625	110
D218 ST	<1	---	<.02	22.4	9.0	223	1.8	<.2	<.1	390	346	2,390	70
D219 ST	<1	---	<.02	25.0	8.5	195	3.0	<.2	<.1	430	321	2,120	100
D220 ST	<1	---	<.02	21.0	8.0	258	2.8	<.2	<.1	430	426	3,090	60
D221 ST	<1	---	<.02	32.8	8.5	162	2.6	<.2	<.1	450	263	2,030	120
D222 ST	1	---	<.02	20.4	11.5	215	3.0	<.2	<.1	440	332	2,870	80
D223 ST	<1	---	<.02	25.4	9.5	191	3.2	<.2	4.6	420	310	2,330	110
D224 ST	2	---	0.02	22.8	11.0	160	5.0	<.2	<.1	390	180	1,835	120
D225 ST	12	---	<.02	30.8	6.5	88	5.2	<.2	<.1	400	490	2,840	100
D226 ST	1	---	0.04	27.2	9.5	174	2.4	<.2	<.1	390	234	1,580	110
D227 ST	<1	---	<.02	23.4	9.5	276	1.2	<.2	<.1	350	405	2,800	50
D228 ST	<1	---	<.02	23.6	8.0	145	2.0	<.2	<.1	320	360	1,860	90
D229 ST	14	---	<.02	26.6	10.5	242	2.0	<.2	<.1	470	422	2,160	80
D230 ST	<1	---	<.02	29.6	9.5	154	2.8	<.2	<.1	450	211	1,385	110
D231 ST	<1	---	<.02	30.8	10.5	296	0.4	<.2	<.1	330	419	2,440	40
D232 ST	<1	---	<.02	36.8	8.0	216	1.2	<.2	<.1	280	258	1,770	60
D233 ST	<1	---	<.02	26.6	10.0	208	2.4	<.2	<.1	430	334	1,805	90
D234 ST	<1	---	<.02	25.0	10.0	243	2.2	<.2	<.1	360	452	2,330	50
D235 ST	1	---	<.02	28.2	10.5	206	2.6	<.2	<.1	450	361	1,830	90
D236 ST	<1	---	0.02	43.4	5.0	112	1.8	<.2	<.1	410	119	1,250	90
D237 ST	7	---	0.02	26.8	10.5	205	1.8	<.2	<.1	500	365	1,890	90
D238 ST	9	---	<.02	26.2	9.5	188	3.0	<.2	<.1	470	360	1,850	90
D239 ST	4	---	<.02	26.6	11.0	240	2.0	<.2	<.1	450	433	2,190	70
D240 ST	1	---	<.02	27.4	10.5	212	3.0	<.2	<.1	480	373	1,890	90
D241 ST	<1	---	<.02	27.2	10.0	180	2.4	<.2	0.1	450	325	1,720	90
D242 ST	651	---	4.30	94.2	374.0	1,675	115.0	8.4	7.7	600	227	1,885	170
D243 ST	621	---	4.72	106.5	406.0	1,965	147.5	11.0	10.2	560	157	1,890	190
D244 ST	527	---	6.24	123.0	566.0	2,240	160.0	11.6	10.8	600	165	1,785	200

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
AD245 ST	326	---	5.08	96.2	379.0	1,785	126.5	8.0	7.5	570	167	1,660	180
AD246 ST	702	---	4.52	94.2	358.0	1,540	128.0	9.6	7.2	650	219	1,965	190
AD247 ST	603	---	7.90	162.0	832.0	2,240	199.5	18.2	12.8	540	273	2,220	170
AD248 ST	808	---	11.80	227.0	1,295.0	2,230	258.0	29.6	20.8	510	179	1,960	240
AD249 ST	1,190	---	6.76	123.5	495.0	2,220	196.0	15.0	9.5	530	354	2,390	160
AD250 ST	1,330	---	14.00	334.0	2,000.0	2,210	324.0	48.2	32.0	480	142	1,970	250
AD251 ST	>10,000	5.3	15.65	301.0	1,780.0	2,210	280.0	42.2	28.0	490	249	2,340	230
AD252 ST	1,455	---	15.90	364.0	1,760.0	2,210	269.0	49.0	34.0	500	148	2,240	160
AD258 ST	901	---	0.72	33.0	33.0	222	26.4	1.2	3.7	490	123	1,320	100
AD259 ST	3	---	0.08	44.0	18.5	159	3.6	<.2	8.6	470	155	1,635	90
AD262 ST	>10,000	12.9	33.60	64.6	93.5	374	2,990.0	392.0	281.0	490	73	895	100
AD263 ST	158	---	0.16	22.6	10.0	127	18.0	1.8	19.7	670	57	1,050	190
AD264 ST	140	---	0.02	48.2	10.0	187	8.2	<.2	37.0	620	279	1,750	110
AH001	2		0.02	24.8	5.0	82	10.6	<.2	0.1	620	91	1,520	110
AH002	<1		0.02	26.0	5.5	91	12.0	<.2	<.1	550	189	625	100
AH003	<1		0.02	38.4	6.5	98	1.0	<.2	<.1	500	94	1,395	160
AH004	<1		0.02	33.4	6.0	101	2.0	<.2	0.1	500	92	1,650	140
AH005	<1		0.02	22.6	5.0	66	21.0	<.2	<.1	810	46	1,095	100
AH006	<1		0.02	28.8	6.0	155	1.0	<.2	<.1	610	92	1,030	120
AH007	2,300		<.02	29.2	6.5	267	4.8	<.2	<.1	390	360	2,320	40
AH008	17		0.02	51.8	5.5	82	2.2	<.2	<.1	570	67	1,370	190
AH009	<1		0.02	17.4	6.0	87	15.4	<.2	<.1	580	48	895	100
AH010	<1		0.02	30.6	7.0	58	32.2	<.2	0.1	700	61	615	70
AH011	<1		0.02	24.0	6.0	65	20.2	<.2	0.1	440	124	880	70
AH012	<1		0.02	27.4	6.0	89	39.8	<.2	0.1	520	83	820	110
AH013	<1		0.02	31.6	10.0	228	9.2	<.2	<.1	460	281	1,960	70
AH014	<1		0.02	56.6	6.0	78	61.6	<.2	<.1	620	79	920	230
AH015	<1		0.02	27.2	7.5	138	12.6	<.2	<.1	750	158	890	140
AH016	2		0.02	22.4	8.5	188	7.8	<.2	<.1	720	113	1,740	120
AH017	<1		0.02	37.6	6.0	111	4.8	<.2	<.1	750	81	1,235	180
AH018	165		0.02	23.4	6.0	82	17.0	<.2	<.1	530	206	1,075	80
AH019	2		0.02	21.4	5.5	84	12.8	<.2	<.1	480	241	865	70
AH020	<1		0.02	42.4	5.0	121	11.0	<.2	<.1	440	147	1,390	130
AH021	<1		0.02	28.4	9.5	88	22.4	<.2	<.1	530	108	1,445	90
AH022	<1		0.02	22.6	5.0	74	19.2	<.2	<.1	660	82	940	170
AH023	<1		0.04	34.6	6.5	69	20.6	<.2	<.1	570	99	680	100
AH024	<1		0.04	29.4	5.0	130	15.8	<.2	<.1	1,380	293	970	70
AH025	<1		0.02	23.4	6.5	66	34.0	<.2	<.1	470	180	715	70
AH026	<1		0.02	28.2	6.0	76	23.0	<.2	<.1	470	224	635	80
AH027	<1		0.02	33.8	6.5	76	27.8	<.2	<.1	440	227	1,130	80
AH028	<1		0.02	31.6	8.5	117	17.6	<.2	<.1	390	159	1,880	90
AH029	<1		0.02	24.8	6.0	104	22.2	<.2	<.1	410	322	970	80
AH030	<1		0.02	33.4	7.0	104	15.4	<.2	<.1	370	426	1,110	80
AH031	<1		0.02	32.4	7.5	74	16.8	<.2	0.1	440	490	1,110	80
AH032	2		0.02	46.0	8.5	115	35.0	<.2	<.1	400	102	1,520	130
AH033	21		0.02	19.0	10.5	72	19.8	<.2	<.1	500	148	1,450	70
AH034	1		0.02	41.6	7.5	103	21.0	<.2	0.1	500	99	1,095	100
AH035	378		0.02	47.6	10.0	84	37.2	<.2	<.1	380	183	1,340	110
AH036	<1		0.02	30.0	8.0	94	16.4	<.2	0.1	350	134	1,500	70
AH037	<1		0.02	14.8	7.5	44	36.8	<.2	0.1	390	112	830	50
AH038	<1		0.02	27.8	7.0	97	16.8	<.2	<.1	360	148	1,515	80
AH039	<1		0.04	36.8	8.0	128	17.8	<.2	<.1	460	88	2,220	90
AH040	1		0.02	12.0	7.5	50	48.8	<.2	<.1	420	89	1,075	60
AH041	1		0.02	13.2	7.0	52	67.6	<.2	<.1	500	166	1,615	80
AH042	<1		<.02	53.2	8.5	82	38.0	<.2	<.1	430	205	1,070	60
AH043	3		0.02	16.8	8.0	74	7.8	<.2	0.1	530	312	765	70
AH044	<1		0.02	18.0	9.0	51	10.8	<.2	<.1	590	148	475	70
AH045	<1		0.02	38.0	6.0	136	2.6	<.2	0.1	390	329	1,290	80
AH046	2		0.02	17.4	8.0	59	19.4	<.2	<.1	740	180	660	80
AH047	3		0.08	54.0	7.5	112	33.4	<.2	0.1	480	125	1,035	60
AH048	<1		0.02	30.6	9.0	91	18.4	<.2	<.1	390	121	2,180	80
AH049	<1		0.02	26.8	9.5	87	15.4	<.2	<.1	380	115	1,640	90
AH050	1		0.02	34.6	9.0	118	13.8	<.2	<.1	400	207	1,840	100
AH051	<1		0.04	39.4	8.0	399	8.2	<.2	<.1	490	46	980	120
AH052	1		0.06	46.0	9.5	198	3.2	<.2	<.1	400	86	910	40
AH053	1		0.02	35.8	8.0	85	18.6	<.2	0.1	370	178	1,260	90
AH054	6		0.02	25.0	6.5	68	8.8	<.2	<.1	610	294	1,075	60
AH055	<1		0.02	17.0	7.0	39	33.0	<.2	<.1	260	74	560	50
AH056	1		0.06	49.4	8.0	116	19.2	<.2	<.1	400	86	1,325	240
AH057	<1		0.02	36.2	4.0	63	36.4	<.2	0.8	360	142	560	60
AH058	<1		0.02	42.8	4.0	77	26.6	<.2	<.1	350	197	915	70
AH059	<1		0.02	33.2	6.0	137	54.0	3.4	0.2	330	465	865	50
AH060	<1		0.02	23.2	8.5	99	7.4	<.2	0.1	360	272	1,835	40
AH061	493		<.02	21.0	6.5	63	24.4	<.2	<.1	630	345	1,040	60
AH062	4		<.02	19.4	6.0	64	25.6	<.2	<.1	370	715	1,370	40
AH063	<1		0.02	31.6	8.5	68	13.2	<.2	<.1	380	171	720	70
AH064	<1		0.02	31.2	10.5	80	12.4	<.2	<.1	380	179	1,215	60
AH065	<1		0.02	32.0	7.5	80	13.0	<.2	<.1	450	135	1,050	80
AH066	<1		0.02	27.0	7.0	151	11.2	<.2	0.1	480	157	1,820	90
AH067	<1		<.02	9.2	8.0	33	17.0	<.2	<.1	450	57	615	70

ample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
068	<1		0.02	11.4	5.5	63	13.0	<.2	0.2	350	216	1,070	80
069	<1		0.02	37.8	8.5	49	9.2	<.2	<.1	290	107	830	70
070	2		0.08	62.0	9.0	112	8.6	<.2	0.1	440	98	2,080	140
071	1		0.02	29.4	6.0	65	13.4	<.2	<.1	450	263	645	110
072	1		0.04	12.2	5.5	48	13.0	<.2	<.1	290	47	610	270
073	<1		0.02	32.2	7.0	66	27.2	<.2	<.1	340	194	1,215	80
074	<1		0.02	51.4	7.0	67	56.0	<.2	<.1	320	181	1,015	120
075	<1		0.02	33.2	8.5	59	18.2	<.2	<.1	260	189	1,045	90
076	<1		0.02	21.2	13.5	62	15.0	<.2	<.1	290	107	1,530	90
077	<1		0.02	18.4	8.0	138	41.8	<.2	<.1	580	233	1,390	70
078	510		<.02	19.4	9.5	112	8.8	<.2	0.1	490	105	1,300	90
079	<1		<.02	22.8	19.0	300	4.2	<.2	<.1	390	249	2,440	60
080	<1		0.04	30.0	9.5	162	2.8	<.2	0.1	380	333	1,900	80
081	<1		<.02	41.2	7.5	184	1.8	<.2	<.1	350	373	1,670	70
082	<1		<.02	47.6	3.5	91	0.2	<.2	<.1	450	84	1,180	80
083	2		<.02	23.4	8.0	267	2.8	<.2	0.1	440	298	2,370	60
084	82		<.02	31.2	29.5	250	2.0	<.2	42.7	410	450	2,150	60
085	2		<.02	70.8	7.5	119	16.8	<.2	0.3	440	85	1,355	80
086	1		<.02	28.2	11.0	329	3.2	<.2	<.1	410	448	2,170	80
087	8		<.02	25.4	14.0	104	10.4	<.2	<.1	520	209	2,030	90
088	<1		<.02	28.0	10.0	294	2.4	<.2	<.1	430	532	2,400	60
089	<1		0.02	36.6	8.5	162	1.6	<.2	0.1	350	117	1,465	100
090	2		<.02	45.8	6.0	244	0.6	<.2	<.1	230	526	1,700	80
091	<1		<.02	43.0	12.0	186	2.2	<.2	0.1	340	282	1,510	110
092	<1		<.02	34.8	9.0	266	1.4	<.2	<.1	200	631	1,785	60
093	<1		<.02	26.6	12.0	344	2.6	<.2	<.1	430	534	2,320	70
094	<1		<.02	45.0	9.0	239	1.4	<.2	<.1	240	501	1,255	90
095	2		<.02	28.4	6.5	197	2.0	<.2	<.1	310	355	1,765	70
096	<1		0.04	26.6	11.0	353	2.2	<.2	<.1	410	536	2,350	60
097	<1		<.02	22.4	10.5	324	0.6	<.2	<.1	270	333	2,560	80
098	<1		0.02	36.2	7.0	130	0.8	<.2	<.1	360	268	1,155	100
099	<1		<.02	27.4	10.0	270	2.0	<.2	<.1	440	427	2,060	90
100	<1		0.02	28.2	9.0	139	5.6	<.2	<.1	370	214	1,835	100
101	<1		0.04	26.2	11.0	322	2.0	<.2	<.1	400	497	2,180	70
102	<1		<.02	34.0	7.5	261	1.2	<.2	<.1	250	325	1,800	90
103	<1		<.02	26.2	11.5	367	1.4	<.2	<.1	420	564	2,380	60
104	<1		0.02	30.0	8.0	203	0.4	<.2	<.1	240	426	1,665	90
105	<1		<.02	28.2	8.0	322	0.4	<.2	<.1	200	476	1,990	70
106	<1		<.02	25.2	11.0	330	1.2	<.2	<.1	410	522	2,190	70
107	75		0.04	24.0	9.0	152	0.8	<.2	0.1	250	299	1,270	80
108	<1		<.02	39.6	10.0	157	1.6	<.2	<.1	290	236	1,200	100
109	18		<.02	21.8	11.5	173	3.2	<.2	<.1	250	328	2,020	70
110	<1		<.02	17.6	6.5	87	13.2	<.2	<.1	250	261	1,295	50
111	40		<.02	38.4	13.5	185	1.6	<.2	<.1	610	363	1,455	130
112	3		0.02	24.2	11.0	125	10.6	<.2	0.1	360	220	1,345	110
113	<1		<.02	29.6	10.0	331	1.0	<.2	<.1	260	389	2,390	80
114	1,020		1.38	34.6	14.0	222	15.0	<.2	1.8	430	210	1,640	130
115	13		0.18	29.4	16.5	191	9.6	<.2	0.1	370	203	1,560	140
116	<1		<.02	15.4	10.0	162	6.8	<.2	<.1	440	213	1,735	80
117	3		0.10	25.2	16.0	237	6.0	<.2	<.1	320	250	1,700	100
118	11		0.52	33.6	15.0	152	17.2	<.2	0.2	430	139	1,375	150
119	<1		<.02	15.2	11.5	116	12.0	<.2	<.1	170	134	1,570	100
120	9		0.06	28.4	11.0	211	7.8	<.2	0.1	330	292	1,730	110
121	18		0.66	38.2	14.0	306	21.6	0.2	0.1	520	309	2,400	120
122	31		0.04	31.0	10.0	174	22.8	<.2	0.7	410	135	1,535	190
123	276		6.06	57.2	36.5	384	106.0	9.4	7.4	530	215	1,770	150
124	4		0.12	34.2	9.5	145	15.2	<.2	0.2	370	251	1,295	180
125	<1		0.02	27.6	7.5	148	13.4	<.2	0.1	360	197	1,370	210
126	101		1.20	38.6	19.0	163	49.4	3.4	0.8	430	126	1,335	190
127	<1		<.02	27.4	8.0	111	6.2	<.2	0.1	270	134	1,585	100
128	<1		0.02	30.6	11.5	97	13.4	<.2	<.1	430	140	1,090	190
129	289		0.18	87.6	21.5	162	32.2	<.2	0.2	460	49	1,475	100
130	1		<.02	31.2	11.0	195	29.4	<.2	<.1	510	273	1,845	100
131	2		0.04	40.2	13.0	183	12.6	<.2	<.1	430	204	1,570	120
132	12		0.02	28.6	13.5	97	8.6	<.2	<.1	360	183	1,085	100
133	<1		<.02	22.0	9.5	130	163.5	<.2	<.1	270	276	1,320	80
134	2		<.02	31.0	12.5	308	6.4	<.2	<.1	460	222	2,250	80
135	5		0.12	41.4	36.0	132	21.6	<.2	0.4	470	99	665	100
01	37	---	0.22	27.2	10.5	254	7.2	<.2	<.1	580	578	2,170	60
02	<1	---	0.70	22.6	6.5	151	8.0	<.2	<.1	400	265	2,580	40
03	5	---	8.40	25.8	7.5	230	7.8	1.2	<.1	550	543	2,100	60
04	<1	---	0.02	19.8	6.5	113	10.6	<.2	<.1	310	327	1,630	30
05	<1	---	0.02	32.8	5.0	137	3.2	<.2	<.1	410	627	1,420	60
06	2	---	0.02	28.2	5.0	118	5.4	<.2	<.1	430	365	1,225	50
07	2	---	<.02	38.4	5.5	158	3.4	<.2	<.1	330	721	1,345	60
08	153	---	2.12	25.8	9.0	264	7.6	0.2	<.1	250	639	2,220	40
09	3	---	<.02	26.0	6.0	175	6.8	<.2	<.1	400	734	1,490	50
10	<1	---	<.02	32.0	6.5	182	5.4	<.2	<.1	320	849	1,305	40
11	940	---	8.08	27.4	7.5	192	15.8	4.0	0.2	300	389	1,865	40
12	320	---	0.06	28.4	8.0	212	9.2	<.2	<.1	540	540	1,805	80

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
AK013	8	---	0.04	28.0	5.5	219	10.6	<.2	<.1	260	4,050	1,645	40
AK014	<1	---	0.02	41.6	3.5	137	17.6	<.2	<.1	420	131	1,460	110
AK015	<1	---	0.02	33.4	4.0	96	4.0	<.2	<.1	480	162	1,165	70
AK016	142	---	2.38	27.2	9.5	257	7.2	1.4	<.1	580	523	2,190	60
AK017	2	---	<.02	21.6	9.5	289	3.6	<.2	<.1	670	546	2,340	50
AK018	6	---	0.04	31.0	7.5	203	8.8	1.2	<.1	590	415	1,810	80
AK019	<1	---	<.02	22.6	9.0	220	2.8	<.2	2.0	490	464	2,090	70
AK020	24	---	0.06	25.2	8.0	240	7.2	<.2	<.1	580	564	2,190	60
AK021	3	---	0.02	38.0	6.5	175	4.2	<.2	<.1	400	364	1,760	110
AK022	21	---	4.10	29.4	9.0	227	10.8	3.0	<.1	600	510	2,080	70
AK023	<1	---	<.02	33.2	7.0	166	1.8	<.2	<.1	360	628	1,665	70
AK024	30	---	1.70	27.2	10.5	229	9.4	<.2	<.1	550	506	2,070	60
AK025	<1	---	0.02	36.4	8.5	175	1.2	<.2	<.1	210	325	2,020	100
AK026	<1	---	<.02	30.4	5.5	114	0.8	<.2	0.1	250	401	1,350	110
AK027	1	---	0.02	29.8	4.5	161	2.0	<.2	0.2	310	465	1,250	90
AK028	<1	---	<.02	27.4	9.5	207	4.0	<.2	<.1	670	450	1,945	80
AK029	10	---	0.86	27.2	8.5	260	13.8	<.2	0.1	430	644	2,430	30
AK030	1,435	---	23.70	34.6	17.5	284	101.5	21.0	15.9	290	348	1,255	60
AK031	2,080	---	34.90	30.6	17.0	132	329.0	41.4	16.4	320	159	815	100
AK032	>10,000	15.2	99.40	23.0	153.0	374	1,415.0	443.0	45.3	430	12	385	150
AK033	1,110	---	16.70	29.2	14.0	281	139.0	14.4	18.9	350	482	2,660	40
AK034	1,190	---	2.60	32.6	8.0	191	42.2	4.0	4.5	270	663	2,060	40
AK035	1,425	---	18.05	30.0	9.0	179	59.6	12.6	2.4	310	399	1,175	60
AK036	1,585	---	12.60	29.4	7.5	210	38.0	6.8	4.0	300	508	2,160	40
AK037	66	---	4.86	28.2	13.5	254	17.4	2.6	1.3	280	699	2,670	30
AK038	56	---	0.80	53.0	5.5	80	7.2	0.2	0.1	260	335	1,260	80
AK039	29	---	0.18	25.8	7.0	107	13.2	0.2	3.2	250	318	1,015	70
AK040	530	---	3.84	60.4	18.5	109	36.0	6.6	1.0	290	873	585	90
AK041	860	---	7.42	30.8	25.0	285	44.0	4.4	24.7	270	590	1,935	40
AK042	527	---	7.56	35.8	8.5	202	13.2	4.0	2.8	290	259	1,490	70
AK043	42	---	4.40	31.6	9.0	238	6.2	1.4	2.0	300	735	1,630	50
AK044	132	---	7.12	24.8	8.0	131	10.6	3.0	8.2	300	231	1,890	70
AK045	2	---	0.18	46.4	3.5	305	1.6	<.2	1.5	130	946	2,510	40
AK046	61	---	0.18	35.2	7.5	168	5.0	<.2	1.0	300	218	1,420	70
AK047	1	---	0.02	24.8	7.0	86	18.0	<.2	<.1	320	202	1,260	70
AK048	1	---	0.02	39.0	7.0	120	4.0	<.2	<.1	370	214	1,480	100
AK049	<1	---	<.02	22.2	9.5	270	4.0	<.2	<.1	480	546	2,160	60
AK050	<1	---	<.02	25.6	7.0	154	3.6	<.2	<.1	290	368	1,475	70
AK051	<1	---	0.02	29.6	6.0	160	1.6	<.2	<.1	290	372	1,385	80
AK052	<1	---	<.02	22.2	10.5	315	3.8	<.2	<.1	600	619	2,510	50
AK053	<1	---	0.02	46.0	6.0	107	4.8	<.2	0.1	290	182	1,755	90
AK054	<1	---	<.02	22.2	10.5	321	3.6	<.2	<.1	580	591	2,460	40
AK055	<1	---	<.02	32.8	8.0	127	1.8	<.2	<.1	420	251	1,345	120
AK056	<1	---	<.02	38.4	8.5	273	3.6	<.2	<.1	280	495	2,090	60
AK057	2	---	0.02	23.4	10.5	282	4.4	<.2	<.1	580	469	2,150	70
AK058	1	---	<.02	20.4	9.5	251	4.0	<.2	<.1	520	415	1,925	80
AK059	<1	---	<.02	24.4	9.0	188	9.8	<.2	<.1	310	400	1,530	50
AK060	2	---	0.04	19.0	11.0	325	3.6	<.2	<.1	630	619	2,480	40
AK061	8	---	0.04	25.8	7.0	254	0.4	<.2	<.1	250	341	1,750	30
AK062	6	---	0.22	36.8	8.5	156	3.0	<.2	1.2	260	613	1,595	50
AK063	1	---	0.02	15.6	11.5	312	2.4	<.2	<.1	750	603	2,600	70
AK064	<1	---	<.02	26.0	9.0	187	3.8	<.2	<.1	380	362	1,405	70
AK065	<1	---	0.02	51.4	5.0	163	2.8	<.2	<.1	360	227	2,190	60
AK066	2	---	0.02	28.0	8.5	185	5.8	<.2	0.1	400	395	2,050	60
AK067	3	---	0.02	23.6	10.5	124	1.2	<.2	<.1	330	419	1,715	90
AK068	<1	---	<.02	33.2	14.0	220	2.4	<.2	<.1	280	465	1,670	70
AK069	1	---	<.02	68.0	15.5	277	3.0	<.2	<.1	390	597	2,090	100
AK070	23	---	0.02	28.4	10.5	124	3.0	<.2	<.1	430	316	1,970	130
AK071	1	---	<.02	26.0	11.0	102	2.8	<.2	<.1	340	168	1,265	140
AK072	<1	---	0.02	16.6	8.0	138	2.2	<.2	<.1	450	126	1,615	140
AK073	7	---	0.02	26.8	9.5	171	3.4	<.2	<.1	460	246	1,510	120
AK074	<1	---	<.02	22.6	10.5	136	3.8	<.2	<.1	390	116	1,520	90
AK075	<1	---	<.02	25.2	6.5	66	1.6	<.2	<.1	270	134	1,505	150
AK076	<1	---	<.02	21.4	10.0	139	2.0	<.2	<.1	350	303	1,420	140
AK077	<1	---	<.02	13.6	8.5	175	1.8	<.2	<.1	500	125	1,940	100
AK078	<1	---	<.02	23.6	9.0	152	3.2	<.2	<.1	400	208	1,390	110
AK079	<1	---	<.02	17.2	10.5	84	6.2	<.2	<.1	260	166	1,900	120
AK080	<1	---	<.02	17.2	8.5	144	4.2	<.2	<.1	410	165	1,615	120
AK081	19	---	<.02	17.0	9.5	240	5.8	<.2	<.1	310	113	2,550	80
AK082	3	---	<.02	21.2	8.0	119	3.8	<.2	<.1	560	112	1,420	130
AK083	2	---	<.02	26.8	12.5	138	3.6	<.2	<.1	430	169	1,560	130
AK084	1	---	<.02	46.2	10.0	89	9.0	<.2	<.1	230	200	910	50
AK085	1	---	<.02	39.2	11.5	123	3.6	<.2	<.1	510	148	1,775	140
AK086	<1	---	<.02	20.6	9.5	140	2.6	<.2	<.1	380	122	1,620	100
AK087	1	---	<.02	29.2	9.5	98	2.4	<.2	<.1	390	148	1,840	100
AK088	2	---	<.02	22.2	11.0	155	5.0	<.2	<.1	380	196	1,995	80
AK089	1	---	<.02	26.2	10.5	174	6.0	<.2	<.1	480	259	2,030	90
AK090	12	---	<.02	26.0	11.0	131	2.0	<.2	<.1	390	246	1,495	110
AK091	2	---	<.02	20.2	8.5	173	3.2	<.2	<.1	440	272	2,160	60
AK092	297	---	<.02	21.8	15.0	210	2.8	<.2	<.1	470	283	2,330	60

mple No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
93	9	---	0.14	46.2	9.0	155	7.2	<.2	0.3	450	232	1,535	100
94	26	---	<.02	34.2	9.5	205	4.0	<.2	16.6	390	364	1,730	60
95	888	---	0.08	47.6	18.5	247	30.4	<.2	1.2	680	276	4,370	150
96	294	---	1.46	47.4	87.0	223	25.2	0.6	12.5	460	560	1,505	80
97	6	---	0.02	57.4	9.0	124	4.8	<.2	1.5	480	320	2,250	70
98	<1	---	0.18	56.0	7.0	143	15.4	<.2	<.1	560	446	1,160	60
99	6	---	0.02	33.2	10.0	133	20.4	<.2	8.8	460	231	1,575	90
00	1	---	<.02	51.8	7.0	128	15.2	<.2	1.4	520	395	1,310	80
01	<1	---	0.02	53.2	6.5	101	12.6	<.2	<.1	460	214	1,395	100
02	67	---	0.06	57.6	7.0	110	25.2	<.2	<.1	430	302	1,240	90
03	1,110	---	0.08	48.2	8.0	222	23.4	<.2	1.6	370	546	2,020	80
04	28	---	<.02	29.8	8.5	149	3.2	<.2	<.1	220	257	1,140	90
05	2	---	<.02	29.0	9.0	259	1.2	<.2	<.1	300	396	2,620	60
06	8	---	<.02	28.4	7.0	181	2.8	<.2	<.1	260	339	1,200	90
07	<1	---	<.02	33.4	6.0	265	1.0	<.2	<.1	220	669	1,945	60
08	1	---	<.02	33.2	9.5	191	3.0	<.2	<.1	260	283	1,835	80
09	<1	---	<.02	27.6	7.5	186	1.6	<.2	<.1	280	301	1,590	100
10	<1	---	<.02	29.2	9.5	231	1.4	<.2	<.1	290	417	2,430	60
11	5	---	<.02	32.6	6.0	146	1.4	<.2	<.1	280	231	1,125	90
12	<1	---	<.02	27.0	7.0	228	0.6	<.2	<.1	300	342	1,540	70
13	3	---	<.02	31.8	8.0	231	1.0	<.2	<.1	280	350	1,765	60
14	<1	---	<.02	30.0	4.5	138	1.6	<.2	<.1	300	245	1,325	70
15	5	---	<.02	27.0	6.0	179	1.4	<.2	<.1	290	410	1,485	70
16	<1	---	<.02	35.6	5.5	194	2.6	<.2	<.1	320	209	1,840	60
17	3	---	<.02	39.4	8.0	213	1.4	<.2	<.1	350	326	1,685	60
18	2	---	<.02	43.0	8.5	178	3.0	<.2	<.1	350	252	1,705	90
19	3	---	<.02	29.4	9.0	220	1.4	<.2	<.1	300	380	2,240	70
20	1	---	<.02	38.4	9.0	231	0.8	<.2	<.1	200	395	2,520	60
21	5	---	<.02	34.8	7.0	179	1.6	<.2	<.1	290	230	1,985	80
22	<1	---	<.02	38.6	10.0	253	1.0	<.2	0.1	180	299	2,190	60
23	3	---	<.02	23.8	6.0	196	2.6	<.2	<.1	470	220	1,795	110
24	4	---	0.08	27.2	8.5	199	1.8	<.2	<.1	220	170	1,630	120
25	24	---	<.02	32.8	6.5	263	0.4	<.2	<.1	290	401	2,420	70
26	<1	---	<.02	31.4	7.0	152	1.6	<.2	<.1	280	186	1,555	100
27	218	---	<.02	25.0	7.5	194	3.2	<.2	<.1	450	175	1,980	130
28	10	---	<.02	33.4	9.0	195	2.6	<.2	0.2	390	250	1,755	90
29	3	---	<.02	21.8	8.5	159	3.0	<.2	<.1	470	134	1,735	110
30	4	---	<.02	26.0	8.0	144	4.4	<.2	<.1	430	142	1,580	140
31	4	---	<.02	28.4	11.0	109	2.8	<.2	0.1	500	199	1,355	170
32	5	---	0.02	50.8	12.5	113	2.6	<.2	0.2	600	142	1,115	190
33	2	---	<.02	23.2	8.5	148	3.0	<.2	1.1	410	142	1,450	140
34	1,570	---	6.88	70.8	63.0	392	23.8	20.2	26.2	500	160	1,940	200
35	127	---	1.26	43.6	32.5	268	7.4	4.0	3.3	780	136	2,150	130
36	6	---	0.02	32.0	9.5	150	2.0	<.2	0.6	310	397	1,850	140
37	4	---	<.02	27.6	11.5	175	2.4	<.2	0.6	400	90	1,835	130
38	32	---	<.02	27.0	10.0	152	4.6	<.2	1.2	490	131	1,630	160
39	6	---	<.02	24.0	13.5	181	3.6	<.2	0.2	470	210	2,020	170
40	7	---	0.02	32.6	9.5	181	6.8	<.2	0.1	430	293	2,720	90
41	2	---	<.02	20.2	12.0	162	2.4	<.2	<.1	680	134	1,770	130
42	3	---	<.02	20.8	12.0	140	7.2	<.2	0.3	460	97	1,650	160
43	18	---	0.16	27.6	37.0	297	13.4	<.2	0.7	420	121	1,825	170
44	7	---	<.02	26.0	10.5	114	5.4	<.2	0.6	330	125	1,365	150
45	5	---	0.02	24.8	9.5	140	6.2	<.2	0.5	460	95	1,335	150
46	32	---	<.02	24.0	11.5	149	5.0	<.2	<.1	470	213	1,550	120
47	8	---	<.02	20.2	11.5	148	6.0	<.2	0.3	590	102	1,385	130
48	7	---	0.22	27.8	35.0	331	7.0	<.2	0.7	560	126	1,930	150
49	10	---	0.02	25.4	12.0	179	13.4	0.2	0.2	570	206	1,435	190
50	385	---	4.96	63.8	53.0	429	17.4	11.4	4.5	610	197	2,070	170
51	41	---	0.20	34.0	13.0	162	167.5	3.0	1.8	510	132	1,410	190
52	9	---	0.06	21.4	10.0	125	68.2	3.4	0.3	440	111	910	110
53	7	---	0.04	25.0	9.0	107	23.4	<.2	<.1	450	102	1,130	160
54	20	---	0.06	18.8	9.0	135	53.0	5.4	0.1	470	106	1,385	200
55	18	---	0.22	34.6	152.0	350	38.2	2.8	0.3	450	105	1,470	210
56	17	---	0.06	30.6	14.0	129	63.6	0.6	0.2	400	199	1,105	190
57	18	---	0.24	49.6	23.5	173	38.8	1.4	1.2	410	133	1,440	180
58	562	---	0.98	46.4	22.5	179	285.0	4.8	8.2	420	111	2,070	210
1 ST	9		<.02	28.4	5.5	169	10.8	<.2	<.1	650	323	1,885	80
2 ST	2		<.02	29.2	9.0	156	4.6	<.2	<.1	650	413	1,510	120
3 ST	<1		<.02	20.6	3.0	98	3.6	<.2	<.1	430	366	1,720	70
4 ST	<1		0.02	22.2	7.0	141	4.0	<.2	<.1	470	215	1,780	90
5 ST	<1		<.02	16.0	29.0	195	1.2	<.2	<.1	370	416	2,280	30
6 ST	<1		0.02	40.8	24.5	149	3.2	<.2	<.1	360	289	1,380	120
7 ST	<1		<.02	19.6	5.0	143	2.8	<.2	<.1	410	391	2,030	60
8 ST	1		<.02	25.4	7.0	178	2.0	<.2	<.1	440	384	2,150	60
9 ST	2		<.02	25.4	7.0	208	0.4	<.2	<.1	440	568	1,990	50
0 ST	<1		<.02	18.4	5.0	154	2.0	<.2	<.1	420	371	1,990	60
1 ST	<1		<.02	19.0	2.0	106	1.4	<.2	<.1	410	277	1,690	80
2 ST	<1		<.02	17.8	2.0	89	0.8	<.2	<.1	390	358	1,500	70
3 ST	<1		<.02	22.8	4.5	122	4.8	<.2	<.1	410	245	2,050	80
4 ST	<1		<.02	19.6	4.5	154	1.0	<.2	<.1	400	381	1,715	60

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
AS015 ST	<1		<.02	21.0	16.5	167	2.0	<.2	<.1	450	379	2,100	50
AS016 ST	<1		<.02	24.6	7.0	196	3.4	<.2	<.1	430	375	2,090	60
AS017 ST	<1		<.02	19.6	5.5	128	2.4	<.2	<.1	430	317	1,710	70
AS018 ST	<1		<.02	19.0	4.0	154	1.6	<.2	<.1	410	383	1,975	60
AS019 ST	<1		<.02	26.4	20.5	161	1.2	<.2	<.1	460	374	1,970	60
AS020 ST	<1		<.02	19.2	12.0	141	1.8	<.2	<.1	400	422	2,090	60
AS021 ST	43		<.02	16.6	4.0	125	1.6	<.2	<.1	410	365	1,700	70
AS022 ST	<1		<.02	17.4	13.5	212	1.6	<.2	<.1	360	487	2,540	20
AS023 ST	<1		<.02	19.8	5.5	149	5.4	<.2	<.1	440	273	1,665	60
AS024 ST	<1		<.02	18.8	9.0	315	1.4	<.2	<.1	450	294	3,090	20
AS025 ST	15		<.02	15.8	6.0	102	5.2	<.2	<.1	420	224	1,485	60
AS026 ST	<1		<.02	10.4	4.0	114	20.6	<.2	<.1	400	130	>10,000	20
AS027 ST	<1		<.02	18.2	5.0	184	2.6	<.2	<.1	400	353	2,330	40
AS028 ST	<1		0.02	24.4	5.0	131	83.0	<.2	<.1	460	213	1,620	90
AS029 ST	<1		<.02	20.6	5.0	128	49.2	1.8	0.2	590	184	1,725	120
AS030 ST	<1		<.02	19.6	7.5	208	4.8	<.2	0.1	400	372	2,470	30
AS031 ST	<1		0.02	21.6	4.5	125	1.4	<.2	<.1	460	316	1,820	80
AS032 ST	<1		<.02	20.4	5.5	193	1.4	<.2	<.1	360	350	2,120	40
AS033 ST	<1		<.02	31.0	3.5	91	2.2	<.2	<.1	480	124	1,535	100
AS034 ST	<1		<.02	15.0	4.5	132	7.2	<.2	<.1	480	290	1,830	50
AS035 ST	<1		0.02	29.8	5.0	195	5.6	<.2	0.1	530	249	2,260	70
AS036 ST	<1		<.02	22.6	6.5	120	7.6	<.2	<.1	520	209	1,260	80
AS037 ST	<1		<.02	16.6	15.0	194	6.0	<.2	<.1	430	311	1,830	40
AS038 ST	<1		<.02	16.2	6.0	175	6.2	<.2	<.1	360	387	1,970	40
AS039 ST	<1		<.02	34.8	6.5	181	1.4	<.2	<.1	370	371	1,775	40
AS040 ST	<1		<.02	22.0	7.5	132	8.0	<.2	<.1	430	276	1,670	60
AS041 ST	<1		0.02	16.8	8.0	123	10.2	<.2	<.1	460	250	1,330	60
AS042 ST	<1		<.02	19.6	6.5	151	7.0	<.2	<.1	460	231	1,665	70
AS043 ST	<1		<.02	22.2	7.5	182	1.8	<.2	<.1	330	287	2,040	40
AS044 ST	<1		0.02	20.0	6.5	130	6.2	<.2	<.1	450	268	1,390	70
AS045 ST	1,490		<.02	12.0	6.5	137	9.6	<.2	<.1	400	282	1,715	40
AS046 ST	14		0.02	12.0	6.0	71	22.0	<.2	<.1	380	104	1,165	80
AS047 ST	<1		<.02	10.4	5.0	72	13.6	<.2	0.1	500	106	1,045	70
AS048 ST	<1		<.02	10.6	5.0	64	16.0	<.2	<.1	490	248	760	60
AS049 ST	<1		<.02	11.0	4.0	49	9.4	<.2	<.1	390	194	725	40
AS050 ST	<1		0.02	18.8	6.5	64	9.8	<.2	<.1	360	240	905	60
AS051 ST	<1		<.02	6.6	4.0	49	9.4	<.2	<.1	290	110	950	40
AS052 ST	<1		<.02	8.6	5.0	56	13.0	<.2	<.1	380	195	845	50
AS053 ST	<1		<.02	14.6	6.0	101	27.4	<.2	<.1	410	170	885	50
AS054 ST	<1		0.02	35.0	7.5	175	6.8	<.2	<.1	500	276	1,440	80
AS055 ST	1		<.02	26.0	8.0	160	1.8	<.2	<.1	430	326	1,750	70
AS056 ST	<1		<.02	34.8	8.0	166	3.2	<.2	<.1	540	258	1,470	100
AS057 ST	<1		0.02	35.8	6.0	167	7.2	<.2	<.1	550	290	1,785	90
AS058 ST	<1		0.02	41.8	6.0	203	10.2	<.2	<.1	480	246	1,995	80
AS059 ST	<1		<.02	19.6	7.5	272	0.4	<.2	<.1	270	748	2,380	20
AS060 ST	<1		<.02	33.6	7.0	147	9.0	<.2	<.1	500	250	1,450	80
AS061 ST	<1		<.02	14.4	6.0	78	16.8	<.2	<.1	320	159	1,215	80
AS062 ST	<1		<.02	25.0	2.0	248	3.8	<.2	<.1	420	696	1,940	70
AS063 ST	<1		<.02	40.4	8.5	182	4.6	<.2	<.1	460	329	1,810	70
AS064 ST	<1		<.02	33.2	8.0	144	10.0	<.2	<.1	490	288	1,580	90
AS065 ST	<1		<.02	35.0	7.0	218	6.2	<.2	<.1	490	439	1,910	60
AS066 ST	<1		0.02	40.4	7.0	153	9.0	<.2	0.2	540	278	1,420	100
AS067 ST	<1		<.02	11.4	7.0	73	35.0	<.2	<.1	380	283	1,765	50
AS068 ST	<1		<.02	25.8	14.0	153	31.8	<.2	<.1	450	402	2,200	60
AS069 ST	<1		0.02	23.0	9.0	153	31.0	<.2	<.1	250	361	2,270	70
AS070 ST	<1		0.02	15.4	6.5	86	61.4	<.2	0.1	350	170	1,270	70
AS071 ST	74		0.02	21.8	8.0	96	46.2	<.2	<.1	360	227	1,440	80
AS072 ST	<1		0.02	36.8	11.0	61	267.0	<.2	<.1	440	424	1,295	180
AS073 ST	<1		<.02	23.6	8.5	154	19.8	<.2	<.1	370	351	2,350	40
AS074 ST	<1		<.02	21.0	8.5	133	21.2	<.2	<.1	390	303	1,920	50
AS075 ST	<1		<.02	22.2	12.0	109	31.0	<.2	<.1	340	254	1,430	70
AS076 ST	<1		<.02	11.6	6.0	63	15.2	<.2	<.1	350	138	980	80
AS077 ST	<1		<.02	18.0	8.5	116	17.4	<.2	0.2	290	326	2,230	50
AS078 ST	<1		<.02	13.0	5.5	75	16.8	<.2	1.2	360	186	1,155	80
AS079 ST	<1		<.02	33.0	10.5	175	25.6	<.2	0.1	340	360	2,120	50
AS080 ST	<1		<.02	15.2	9.0	111	12.6	<.2	0.6	260	340	2,030	50
AS081 ST	10		0.04	33.0	14.0	175	109.0	5.2	0.2	500	120	3,180	480
AS082 ST	5		0.04	28.0	10.5	76	789.0	13.6	0.6	370	220	825	100
AS083 ST	6		0.02	29.0	9.5	72	1,070.0	14.0	0.1	380	231	830	150
AS084 ST	4		0.02	28.6	11.0	83	409.0	8.8	0.1	400	329	935	80
AS085 ST	3		0.08	39.0	12.0	55	78.8	32.0	0.3	350	115	485	110
AS086 ST	<1		<.02	15.2	9.0	211	4.0	<.2	<.1	580	313	1,840	70
AS087 ST	2		<.02	15.4	15.5	281	3.4	<.2	<.1	530	531	2,420	50
AS088 ST	<1		<.02	21.0	14.5	286	3.0	<.2	<.1	380	517	2,150	80
AS089 ST	1		0.02	18.0	11.0	166	4.8	<.2	0.1	350	374	1,865	70
AS090 ST	<1		<.02	17.4	13.0	258	2.4	<.2	<.1	530	477	2,160	60
AS091 ST	<1		<.02	17.8	11.0	288	2.0	<.2	0.1	450	457	2,550	70
AS092 ST	<1		<.02	19.8	9.0	196	1.6	<.2	<.1	520	317	2,010	80
AS093 ST	1		<.02	23.2	10.0	219	2.2	<.2	<.1	460	268	2,260	80
AS094 ST	<1		<.02	19.4	16.0	247	1.8	<.2	<.1	350	589	2,430	40

Sample No	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
AS095 ST	<1		<.02	16.8	12.5	249	1.6	<.2	<.1	330	287	2,490	80
AS096 ST	1		<.02	14.2	11.0	246	2.2	<.2	<.1	440	467	2,240	60
AS097 ST	<1		<.02	16.4	13.0	247	0.6	<.2	<.1	390	392	2,180	70
AS098 ST	<1		0.02	25.6	15.0	239	1.4	<.2	<.1	420	337	2,220	90
AS099 ST	<1		<.02	13.6	13.0	270	0.8	<.2	<.1	270	254	2,780	40
AS100 ST	<1		<.02	20.2	9.0	248	1.0	<.2	<.1	380	386	2,200	60
AS101 ST	<1		<.02	19.2	7.0	209	0.8	<.2	<.1	340	305	2,190	50
AS102 ST	<1		<.02	31.6	11.0	285	1.0	<.2	0.1	290	432	2,400	40
AS103 ST	<1		<.02	24.4	8.5	303	0.8	<.2	<.1	270	635	2,990	10
AS104 ST	<1		<.02	29.4	9.5	301	1.0	<.2	0.1	300	453	2,910	30
AS105 ST	<1		<.02	33.8	6.0	253	0.4	<.2	<.1	330	251	2,320	60
AS106 ST	<1		<.02	33.4	11.5	297	0.6	<.2	0.1	270	327	2,520	40
AS107 ST	2		<.02	23.8	11.0	302	1.2	<.2	<.1	440	619	2,630	40
AS108 ST	<1		<.02	26.6	9.5	272	0.6	<.2	0.5	250	437	2,390	30
AS109 ST	2		<.02	24.0	10.5	249	1.6	<.2	0.6	430	453	2,160	60
AS110 ST	<1		<.02	30.8	6.0	202	<.2	<.2	4.1	290	220	1,760	50
AS111 ST	9,360		27.40	56.0	25.0	205	2,340.0	208.0	138.5	550	202	1,350	140
AS112 ST	2,490		6.32	42.2	13.5	154	1,100.0	178.5	53.9	530	454	1,335	180
AS113 ST	385		1.74	33.6	10.5	139	111.0	6.0	8.6	500	320	1,445	130
AS114 ST	24		0.02	17.6	10.0	210	7.2	<.2	1.2	440	387	1,815	100
AS115 ST	8		0.04	27.8	14.5	136	7.8	<.2	0.1	310	237	1,630	150
AS116 ST	<1		0.02	15.6	12.0	141	2.0	<.2	0.3	340	189	1,655	110
AS117 ST	53		0.06	24.0	10.5	113	11.4	0.8	1.4	520	172	1,535	110
AS118 ST	<1		<.02	26.8	8.0	85	2.0	<.2	0.3	660	151	1,305	110
AS119 ST	<1		<.02	38.0	6.5	100	1.6	<.2	<.1	460	130	1,490	80
AS120 ST	<1		0.02	23.6	7.0	96	1.8	<.2	0.1	530	121	1,310	110
AS121 ST	<1		<.02	18.2	10.0	149	0.6	<.2	<.1	410	200	1,655	90
AS122 ST	<1		<.02	24.6	8.5	158	1.8	<.2	0.3	310	142	2,010	120
AS123 ST	<1		<.02	21.4	9.0	171	2.8	<.2	0.1	510	134	1,875	100
AS124 ST	<1		<.02	10.2	6.5	197	1.2	<.2	<.1	470	33	2,280	140
AS125 ST	<1		<.02	11.6	5.5	222	1.0	<.2	<.1	1,000	61	2,220	130
AT001	3	---	0.02	41.4	8.5	152	41.8	<.2	<.1	380	275	1,825	110
AT002	<1	---	0.02	44.4	9.5	84	25.2	<.2	0.1	330	201	1,075	160
AT003	<1	---	0.02	67.4	11.0	122	40.6	<.2	<.1	300	200	1,885	180
AT004	<1	---	0.02	52.6	9.5	98	73.6	<.2	<.1	420	139	1,290	110
AT005	20	---	<.02	48.6	7.5	116	55.4	<.2	<.1	360	155	1,300	110
AT006	<1	---	0.02	36.6	9.5	99	18.0	<.2	<.1	290	291	1,175	150
AT007	<1	---	<.02	48.2	7.5	90	47.8	<.2	0.1	530	134	1,090	110
AT008	<1	---	<.02	34.6	11.0	124	23.4	<.2	<.1	350	206	1,515	140
AT009	2	---	<.02	64.0	7.0	114	21.0	<.2	<.1	350	207	1,340	100
AT010	1	---	<.02	45.8	9.0	165	31.2	<.2	3.5	350	224	1,750	90
AT011	1	---	<.02	59.2	9.5	77	76.8	<.2	<.1	310	79	1,335	110
AT012	<1	---	<.02	63.2	5.5	60	57.6	<.2	<.1	280	52	1,535	110
AT013	2	---	<.02	52.4	9.0	83	1,040.0	<.2	<.1	300	147	1,090	100
AT014	<1	---	<.02	49.2	13.5	92	156.5	<.2	<.1	310	115	1,610	80
AT015	2	---	<.02	56.2	6.5	75	27.6	<.2	<.1	360	44	1,195	90
AT016	<1	---	<.02	47.0	7.5	60	27.4	<.2	<.1	300	70	1,215	110
AT017	<1	---	<.02	71.6	6.5	66	4.0	<.2	<.1	170	28	1,425	70
AT018	4	---	<.02	68.8	6.5	87	11.2	<.2	<.1	330	52	1,265	90
AT019	4	---	<.02	43.2	8.5	106	72.6	<.2	<.1	350	128	1,025	110
AT020	<1	---	<.02	93.2	8.5	93	39.0	<.2	<.1	380	58	1,470	110
AT021	1	---	<.02	39.4	7.5	101	137.5	<.2	<.1	390	134	1,215	110
AT022	<1	---	<.20	73.0	12.0	58	8,270.0	<2.0	<1.0	560	99	855	40
AT023	36	---	<.02	59.2	6.0	101	331.0	2.4	0.1	320	206	1,450	110
AT024	<1	---	<.02	57.0	7.0	133	18.8	<.2	0.7	410	158	1,520	90
AT025	2	---	<.02	34.0	8.5	132	36.0	<.2	<.1	500	150	1,625	130
AT026	<1	---	<.02	23.6	7.0	71	19.8	<.2	<.1	330	87	860	120
AT027	2	---	0.02	53.0	6.5	96	269.0	<.2	<.1	480	99	2,260	120
AT028	3	---	<.02	35.8	9.0	145	17.8	<.2	<.1	580	212	1,770	110
AT029	2	---	<.02	29.4	9.5	136	25.8	<.2	<.1	730	208	1,625	100
AT030	2	---	<.02	34.0	8.0	126	3.2	<.2	<.1	300	179	1,265	120
AT031	74	---	<.02	33.0	11.0	120	6.6	<.2	<.1	400	188	1,120	140
AT032	1	---	0.02	28.4	7.5	106	3.4	<.2	<.1	540	188	1,245	140
AT033	<1	---	<.02	29.2	8.0	126	8.6	<.2	<.1	540	163	1,325	150
AT034	2	---	<.02	24.0	9.0	98	0.4	<.2	<.1	400	275	1,285	120
AT035	2	---	<.02	31.6	7.5	112	0.2	<.2	<.1	320	284	1,420	150
AT036	<1	---	0.02	22.0	7.0	83	1.0	<.2	<.1	350	192	1,345	140
AT037	2	---	<.02	24.4	10.5	96	0.6	<.2	<.1	320	308	1,525	120
AT038	<1	---	<.02	33.8	18.0	215	0.2	<.2	<.1	250	646	1,755	80
AT039	1	---	<.02	20.4	8.0	78	0.8	<.2	<.1	370	193	1,370	140
AT040	4	---	0.04	30.8	10.5	156	16.6	<.2	<.1	460	151	1,725	140
AT041	2	---	<.02	20.4	10.5	253	1.6	<.2	<.1	300	203	1,700	100
AT042	<1	---	<.02	28.2	10.0	111	1.0	<.2	<.1	330	342	1,355	110
AT043	<1	---	<.02	23.4	6.5	93	1.2	<.2	<.1	890	139	1,025	160
AT044	2	---	0.04	29.2	8.5	110	9.2	<.2	0.1	620	111	1,360	130
AT045	2	---	0.02	24.8	11.5	120	19.8	<.2	<.1	500	80	1,460	150
AT046	1	---	0.02	21.2	8.0	79	6.0	<.2	<.1	460	58	995	150
AT047	<1	---	0.02	29.6	12.0	103	14.6	<.2	<.1	690	71	1,460	170
AT048	<1	---	<.02	25.2	9.0	85	5.0	<.2	<.1	600	57	1,265	160
AT049	4	---	0.06	30.2	14.0	97	52.6	<.2	1.4	740	43	1,395	160

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
AT050	<1	---	<.02	24.4	8.0	92	5.2	<.2	<.1	600	76	1,575	150
AT051	1	---	<.02	63.0	9.0	109	8.4	<.2	<.1	750	120	1,360	110
AT052	2	---	<.02	32.4	8.0	96	202.0	0.2	<.1	680	158	1,405	140
AT053	3	---	<.02	21.8	8.5	100	12.4	<.2	<.1	690	190	2,300	140
AT054	<1	---	<.02	36.2	8.0	95	592.0	0.6	<.1	740	136	2,270	160
AT055	27	---	0.80	33.4	10.0	141	22.8	<.2	0.1	570	285	1,280	110
AT056	<1	---	0.02	29.8	8.5	88	152.5	3.0	<.1	400	104	1,130	140
AT057	<1	---	<.02	20.0	8.5	59	1,275.0	1.8	<.1	330	172	950	100
AT058	2	---	0.02	25.4	8.5	79	790.0	5.0	0.2	380	75	1,635	230
AT059	7	---	<.02	38.2	11.5	142	22.0	<.2	<.1	510	113	1,360	160
AT060	27	---	0.04	62.0	13.5	94	19.2	<.2	<.1	320	60	1,240	170
AT061	2	---	<.02	15.6	7.5	66	13.2	<.2	<.1	270	33	805	170
AT062	3	---	0.02	35.4	9.0	64	45.0	<.2	<.1	470	31	740	140
AT063	<1	---	<.02	31.0	6.5	67	8.6	<.2	<.1	350	48	1,295	140
AT064	1	---	<.02	28.4	9.5	102	4.4	<.2	0.1	570	136	1,055	130
AT065	1	---	<.02	25.0	8.0	99	11.2	<.2	0.1	520	84	1,265	150
AT066	1	---	<.02	25.8	6.5	100	1.8	<.2	<.1	480	72	1,035	130
AT067	<1	---	<.02	19.2	8.0	172	2.0	<.2	<.1	450	144	1,500	170
AT068	2	---	0.06	66.6	6.5	186	2.0	<.2	<.1	940	173	2,190	130
AT069	2	---	<.02	26.2	10.0	188	3.8	<.2	<.1	510	337	1,690	100
AT070	<1	---	<.02	28.2	6.5	182	<.2	<.2	<.1	230	749	1,480	70
AT071	<1	---	<.02	38.0	7.0	105	<.2	<.2	<.1	290	412	1,220	80
AT072	<1	---	<.02	34.8	7.5	108	0.2	<.2	<.1	280	494	1,185	80
AT073	1	---	<.02	45.6	7.0	182	<.2	<.2	<.1	300	299	1,220	50
AT074	<1	---	<.02	40.6	6.0	122	<.2	<.2	<.1	300	407	1,245	70
AT075	<1	---	<.02	36.0	5.5	112	<.2	<.2	<.1	280	849	1,250	110
AT076	2	---	<.02	22.8	9.0	194	3.4	<.2	<.1	600	492	2,120	90
AT077	<1	---	<.02	17.8	5.5	252	0.4	<.2	<.1	250	966	2,270	40
AT078	1	---	<.02	29.4	8.5	200	4.4	<.2	<.1	350	392	1,780	70
AT079	<1	---	<.02	23.2	5.0	142	0.6	<.2	<.1	360	518	1,670	100
AT080	1	---	<.02	29.4	7.5	156	6.4	<.2	<.1	680	402	1,670	110
AT081	2	---	<.02	22.0	7.5	155	3.4	<.2	<.1	430	300	1,615	110
AT082	<1	---	0.02	38.8	7.5	193	9.8	<.2	0.2	190	444	1,550	100
AT083	<1	---	<.02	34.8	7.0	167	8.0	<.2	<.1	230	491	1,485	60
AT084	<1	---	0.02	22.8	9.5	157	4.0	<.2	0.1	220	318	1,310	110
AT085	<1	---	<.02	45.8	4.0	204	1.2	<.2	<.1	150	888	1,970	70
AT086	<1	---	<.02	24.8	8.0	210	2.4	<.2	<.1	320	734	1,880	70
AT087	<1	---	<.02	22.2	8.0	186	4.2	<.2	<.1	430	272	1,655	100
AT088	<1	---	<.02	25.6	9.0	189	5.6	<.2	<.1	440	214	1,900	120
AT089	2	---	<.02	28.2	8.5	186	2.2	<.2	<.1	340	259	1,915	110
AT090	<1	---	<.02	28.8	8.0	208	2.0	<.2	<.1	800	337	1,995	100
AT091	<1	---	0.02	47.6	6.0	85	19.6	<.2	<.1	240	339	975	60
AT092	<1	---	<.02	9.0	3.5	29	13.8	<.2	<.1	340	39	390	80
AT093	3	---	<.02	17.8	5.5	91	10.8	<.2	<.1	300	155	935	90
AT094	<1	---	0.68	23.2	7.5	139	2.0	<.2	<.1	450	235	1,635	110
AT095	3	---	0.02	29.2	8.0	179	3.2	<.2	<.1	630	348	1,735	110
AT096	2	---	<.02	24.4	7.5	166	1.8	<.2	<.1	590	250	1,735	110
AT097	1	---	<.02	21.0	9.5	151	2.2	<.2	<.1	380	275	1,570	80
AT098	1	---	<.02	25.2	9.0	201	2.6	<.2	<.1	500	407	1,835	120
AT099	1	---	0.02	20.8	6.0	100	1.2	<.2	<.1	370	171	1,360	130
AT100	2	---	0.14	19.0	8.0	136	2.8	<.2	<.1	490	218	1,645	110
AT101	2	---	0.02	55.4	9.5	65	73.6	<.2	<.1	550	206	730	70
AT102	<1	---	<.02	21.6	10.5	152	5.6	<.2	<.1	350	266	1,395	100
AT103	<1	---	<.02	29.2	11.5	187	4.6	<.2	<.1	360	292	1,500	100
AT104	350	---	<.02	30.6	8.0	102	14.8	<.2	<.1	300	225	1,210	100
AT105	4	---	<.02	22.0	10.5	170	4.6	<.2	0.1	410	294	1,555	110
AT106	73	---	<.02	24.6	8.0	94	25.2	<.2	<.1	320	229	1,255	120
AT107	3	---	<.02	31.8	8.0	87	12.0	<.2	<.1	220	207	930	70
AT108	<1	---	0.02	19.6	10.5	170	2.6	<.2	0.1	380	423	1,645	80
AT109	1	---	<.02	19.4	10.0	125	7.6	<.2	<.1	340	247	1,470	120
AT110	<1	---	0.02	20.2	10.5	155	5.6	<.2	<.1	420	268	1,310	120
AT111	<1	---	0.02	42.0	11.5	157	2.4	<.2	<.1	380	235	1,565	150
AT112	<1	---	0.02	22.8	11.5	198	2.2	<.2	<.1	420	356	1,700	100
AT113	2	---	<.02	27.4	14.0	220	1.2	<.2	<.1	380	459	1,715	110
AT114	1	---	0.02	28.4	12.5	148	6.6	<.2	0.1	460	289	1,755	170
AT115	<1	---	<.02	21.4	15.0	180	1.4	<.2	<.1	340	373	3,430	80
AT116	1	---	0.02	36.2	15.0	170	0.8	<.2	0.1	350	357	1,615	190
AT117	3	---	<.02	31.4	14.5	163	1.6	<.2	0.1	380	521	1,815	130
AT118	2	---	<.02	27.4	14.0	184	1.6	<.2	0.1	380	450	1,925	130
AT119	4	---	0.04	52.0	19.5	123	2.8	<.2	0.1	420	269	1,280	350
AT120	3	---	<.02	39.8	16.5	106	2.6	<.2	0.4	380	396	1,445	120
AT121	1	---	<.02	28.6	13.5	121	1.8	<.2	<.1	460	338	1,385	210
AT122	2	---	<.02	46.6	16.0	230	2.6	<.2	0.3	450	1,105	1,400	190
AT123	<1	---	<.02	23.8	14.5	220	1.8	<.2	0.9	420	477	2,040	110
AT124	<1	---	<.02	22.0	10.0	235	1.6	<.2	0.1	380	411	2,630	60
AT125	<1	---	<.02	34.6	7.0	161	1.4	<.2	<.1	400	206	1,620	80
AT126	<1	---	<.02	41.0	7.5	171	1.0	<.2	1.3	370	282	1,400	80
AT127	<1	---	0.02	28.8	5.5	158	1.6	<.2	0.1	360	154	1,450	80
AT128	<1	---	<.02	31.4	9.0	218	<.2	<.2	0.7	350	269	2,050	60
AT129	40	---	<.02	25.0	7.0	158	0.6	<.2	0.4	350	158	1,400	80

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
AT130	24	---	<.02	30.0	7.0	196	1.0	<.2	<.1	390	212	1,895	80
AT131	<1	---	<.02	28.8	11.5	261	0.2	<.2	0.1	380	257	1,975	70
AT132	<1	---	<.02	33.6	9.5	237	0.6	<.2	0.1	380	284	1,825	70
AT133	<1	---	<.02	29.0	9.5	164	1.0	<.2	0.2	360	257	1,840	90
AT134	3	---	<.02	30.2	11.5	243	2.6	<.2	0.5	420	449	2,310	70
AT135	<1	---	<.02	37.2	13.5	205	3.4	<.2	0.3	480	309	1,710	120
AT136	2	---	<.02	46.2	18.0	138	4.0	<.2	0.7	530	179	1,350	180
AT137	242	---	4.84	52.2	119.0	766	83.8	2.8	2.2	560	222	1,840	140
AT138	276	---	5.86	106.0	525.0	1,570	135.0	10.6	8.8	540	153	1,650	200
AT139	43	---	0.40	26.6	43.0	240	42.6	0.8	1.0	450	182	1,300	100
AT140	8	---	0.02	28.4	19.0	154	23.4	<.2	0.2	440	126	1,630	100
AT141	1,250	---	3.88	90.2	378.0	1,275	103.0	9.0	6.9	510	143	1,525	170
AT142	9	---	0.04	32.0	22.5	88	22.2	<.2	0.4	410	84	1,055	100
AT143	<1	---	0.02	48.0	13.0	154	2.8	<.2	1.0	490	92	1,445	130
AT144	2	---	0.02	22.6	14.5	164	4.8	<.2	0.6	440	210	1,315	100
AT145	4	---	0.02	28.6	18.5	114	4.2	<.2	1.0	410	172	1,725	110
AT146	509	---	6.26	56.2	44.5	312	82.8	12.0	9.7	580	149	1,455	170
AT147	149	---	1.32	45.2	22.5	164	253.0	5.2	5.5	550	82	2,040	230
AT148	19	---	0.06	32.4	9.5	153	137.0	3.0	6.4	450	460	1,225	140
AT149	<1	---	0.02	35.4	8.0	140	16.0	<.2	1.4	470	200	1,185	120
AT150	>10,000	16.6	34.10	61.6	107.0	322	2,830.0	423.0	301.0	470	83	950	20
AT151	16	---	0.42	45.6	26.5	107	103.5	6.2	15.6	500	79	810	210
AT152	228	---	0.24	32.4	10.5	87	172.0	3.8	1.1	640	113	1,055	220
BD387 ST	<1		0.02	23.8	7.0	194	6.0	<.2	<.1	320	509	1,935	70
BD388 ST	<1		0.02	31.0	8.0	139	11.2	<.2	<.1	350	297	1,580	90
BD389 ST	<1		0.02	24.8	8.5	93	12.4	<.2	<.1	340	265	1,160	80
BD391 ST	<1		0.10	27.4	8.0	111	19.2	<.2	<.1	400	221	1,390	150
BD392 ST	1		<.02	70.0	8.5	138	6.2	<.2	<.1	310	337	1,425	150
BD393 ST	<1		0.02	43.8	11.5	117	5.0	<.2	<.1	310	174	1,475	120
BD394 ST	<1		0.04	45.4	9.0	72	11.2	<.2	<.1	530	134	1,405	120
BD395 ST	1		0.02	42.0	8.5	88	8.2	<.2	<.1	390	198	1,175	120
BD396 ST	<1		0.04	42.2	8.5	98	10.0	<.2	<.1	390	215	1,280	120
BD397 ST	7		0.02	37.4	9.5	176	2.2	<.2	<.1	290	290	1,835	120
BD399 ST	<1		0.02	36.4	14.0	160	3.8	<.2	<.1	370	215	1,610	110
BD400 ST	<1		<.02	49.0	11.0	130	1.6	<.2	<.1	270	198	1,440	140
BD402 ST	<1		0.02	43.2	15.0	192	3.8	<.2	<.1	370	288	1,400	120
BD403 ST	<1		0.02	45.2	13.0	123	4.8	<.2	<.1	370	159	1,285	140
BD404 ST	<1		0.02	37.4	12.0	180	0.6	<.2	<.1	300	380	1,525	110
BD405 ST	<1		0.02	37.6	13.0	124	5.0	<.2	<.1	330	133	1,265	120
BD406 ST	22		0.06	48.0	14.0	158	2.4	<.2	<.1	570	279	1,390	130
BD407 ST	<1		0.02	28.6	12.0	98	<.2	1.4	<.1	410	79	695	110
BD409 ST	1		<.02	71.4	5.0	128	0.4	<.2	<.1	270	254	1,395	140
BD410 ST	1		0.08	44.4	11.0	144	2.8	<.2	<.1	370	242	1,460	130
BD411 ST	<1		<.02	69.6	6.5	162	0.4	<.2	<.1	350	221	1,680	140
BD412 ST	<1		<.02	51.8	9.0	147	2.6	<.2	<.1	320	296	1,435	120
BD413 ST	<1		0.02	26.0	8.5	178	0.4	<.2	<.1	450	88	2,060	140
BD416 ST	<1		0.02	28.4	6.0	147	0.2	<.2	<.1	380	107	2,230	130
BD417 ST	<1		0.02	23.0	9.5	191	0.6	<.2	<.1	510	81	1,770	150
BD418 ST	<1		0.02	20.0	9.0	208	0.4	<.2	<.1	390	116	2,070	130
BD419 ST	4		0.02	26.8	7.0	168	<.2	<.2	<.1	380	132	1,845	120
BD420 ST	3		0.04	24.8	14.0	303	1.4	<.2	<.1	470	65	2,480	160
BD422 ST	2		0.04	28.4	11.0	114	2.0	<.2	<.1	530	53	1,370	160
BD424 ST	<1		0.04	31.0	7.0	93	2.6	<.2	0.1	430	202	1,065	130
BD429 ST	1		0.02	51.6	13.5	79	10.4	<.2	<.1	340	96	980	130
BD430 ST	7		0.04	35.0	16.5	194	4.4	<.2	<.1	360	151	2,110	120
BD431 ST	<1		0.02	37.8	9.5	138	1.6	<.2	<.1	310	172	1,625	150
BD432 ST	<1		0.04	42.0	7.0	161	2.0	<.2	<.1	290	271	1,675	120
BD433 ST	<1		<.02	38.2	9.5	184	0.8	<.2	<.1	270	184	1,920	110
BD434 ST	<1		0.02	40.8	7.5	108	2.2	<.2	<.1	360	160	1,365	160
BD436 ST	<1		0.02	34.8	12.0	115	1.4	<.2	<.1	400	75	1,115	170
BD437 ST	<1		0.02	47.8	6.0	115	0.8	<.2	<.1	390	169	1,370	150
BD438 ST	<1		0.02	44.4	8.5	118	1.4	<.2	<.1	410	144	1,470	160
BD439 ST	<1		0.02	49.2	9.0	87	0.6	<.2	<.1	430	130	1,140	130
BD440 ST	2		0.04	49.0	7.0	94	3.0	<.2	<.1	420	132	1,420	220
BH001 ST	7		0.08	49.2	27.0	178	7.0	<.2	<.1	400	180	1,380	150
BH002 ST	7		0.06	42.4	14.5	145	7.4	<.2	<.1	420	148	1,370	150
BH003 ST	2		0.04	39.0	16.0	237	4.2	<.2	<.1	430	272	1,520	120
BH005 ST	1		<.02	26.6	14.0	255	1.8	<.2	<.1	360	334	2,110	100
BH008 ST	2		0.02	43.8	12.0	77	11.4	<.2	<.1	420	113	1,030	140
BH009 ST	<1		0.02	49.8	12.5	84	13.6	<.2	<.1	420	131	1,370	160
BH010 ST	16		0.06	32.8	11.0	120	5.4	<.2	<.1	410	141	1,275	120
BH012 ST	2		0.02	28.4	11.0	204	2.8	<.2	<.1	350	337	1,585	90
BH013 ST	<1		0.04	31.0	8.0	113	7.4	<.2	0.1	420	251	1,220	100
BH015 ST	<1		0.02	29.8	9.0	205	0.8	<.2	<.1	320	517	1,575	80
BH017 ST	<1		<.02	23.6	9.5	197	4.0	<.2	<.1	260	523	1,680	40
BH020 ST	164		0.02	22.8	9.5	142	3.0	<.2	<.1	300	470	1,435	70
BH023 ST	3		0.02	32.0	10.5	179	4.8	<.2	<.1	350	303	1,095	80
BH026 ST	2		0.02	34.4	9.0	139	6.0	<.2	<.1	350	293	1,350	100
BH027 ST	1		0.02	43.6	10.5	109	3.2	<.2	<.1	400	75	1,705	140
BH028 ST	1		0.02	32.2	10.0	194	1.2	<.2	<.1	300	162	1,825	110

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
BH029 ST	<1		<.02	37.0	13.5	272	0.6	<.2	<.1	280	139	1,925	110
BH030 ST	<1		0.02	40.4	7.5	115	1.0	<.2	<.1	370	106	1,340	120
BH031 ST	<1		0.04	36.6	7.5	98	3.2	<.2	<.1	480	67	1,340	170
BH032 ST	2		0.02	40.2	8.0	137	2.4	<.2	<.1	350	120	1,360	130
BH033 ST	10		0.02	29.0	9.0	253	4.0	<.2	<.1	380	147	1,860	90
BH034 ST	3		0.06	48.0	10.5	113	6.4	<.2	<.1	400	125	1,285	180
BH035 ST	<1		<.02	39.4	9.5	144	3.2	<.2	<.1	400	121	1,740	190
BH036 ST	2		0.04	45.6	11.5	130	5.0	<.2	<.1	440	88	1,980	170
BH037 ST	<1		0.02	34.8	11.0	179	2.4	<.2	<.1	340	146	1,720	130
BH038 ST	58		0.06	49.0	9.0	96	5.4	<.2	0.1	410	212	1,335	150
BH039 ST	1		0.02	39.4	10.0	184	2.6	<.2	<.1	440	266	1,645	120
BH041 ST	<1		0.04	57.2	6.0	80	2.6	0.4	<.1	370	162	1,210	150
BH042 ST	<1		0.06	48.6	5.5	68	3.2	<.2	<.1	440	100	1,080	180
BH044 ST	1		0.04	45.0	6.5	122	1.2	<.2	<.1	390	167	1,380	150
BH045 ST	<1		<.02	35.8	12.0	101	2.4	<.2	<.1	420	36	1,405	210
BH048 ST	1		0.02	25.6	9.5	125	1.4	<.2	<.1	430	82	1,800	160
BH049 ST	2		0.02	29.8	14.5	161	1.8	<.2	<.1	500	97	1,705	210
BH050 ST	<1		<.02	19.8	8.5	303	1.0	<.2	<.1	360	585	2,140	70
BH051 ST	<1		<.02	38.6	10.5	179	1.8	<.2	<.1	360	187	1,685	140
BH052 ST	<1		0.02	37.0	9.0	147	1.4	<.2	<.1	340	148	1,635	160
BH053 ST	1		0.04	40.6	9.5	117	2.6	<.2	<.1	410	108	1,530	150
BH054 ST	<1		<.02	26.2	5.0	220	0.2	<.2	<.1	300	176	1,705	90
BH055 ST	<1		<.02	32.0	5.0	125	<.2	<.2	<.1	320	110	1,255	120
BH056 ST	1		0.02	38.6	7.5	113	0.6	<.2	<.1	310	81	1,250	130
BH057 ST	<1		<.02	26.8	8.0	182	1.2	<.2	<.1	280	111	1,810	130
BH058 ST	1		<.02	30.0	5.5	187	0.4	<.2	<.1	300	163	1,405	110
BT001 ST	1		<.02	47.6	10.0	171	4.0	<.2	<.1	450	230	1,495	120
BT003 ST	<1		0.02	40.6	9.0	203	3.0	<.2	<.1	420	363	1,905	100
BT004 ST	<1		0.02	36.0	11.5	202	3.4	<.2	<.1	450	279	1,615	150
BT009 ST	2		0.02	56.0	9.5	70	8.2	0.4	<.1	510	213	825	130
BT011 ST	3		<.02	43.2	7.0	110	5.0	<.2	<.1	280	255	1,585	130
BT012 ST	2		0.02	51.8	7.0	79	7.6	<.2	<.1	380	292	1,315	140
BT013 ST	1		<.02	36.6	9.0	126	7.8	<.2	<.1	300	238	1,590	110
BT016 ST	2		0.02	31.4	9.0	131	9.6	<.2	<.1	310	210	1,570	100
BT018 ST	2		<.02	29.2	8.5	314	6.4	<.2	<.1	300	466	2,330	60
BT019 ST	<1		<.02	31.8	10.0	219	8.8	<.2	<.1	270	424	1,690	100
BT021 ST	<1		0.04	23.2	7.0	194	7.6	<.2	<.1	380	315	1,510	70
BT022 ST	<1		<.02	23.0	13.0	263	1.6	<.2	<.1	210	195	2,020	70
BT023 ST	1		<.02	27.6	12.5	176	2.0	<.2	<.1	280	149	1,525	90
BT024 ST	<1		<.02	32.0	10.0	185	0.8	<.2	<.1	220	207	1,590	80
BT025 ST	2		<.02	38.2	10.0	106	1.6	<.2	<.1	320	82	1,395	140
BT026 ST	<1		<.02	24.4	8.0	171	0.8	<.2	<.1	260	91	1,695	130
BT027 ST	2		<.02	25.2	8.5	254	1.2	<.2	<.1	260	210	2,030	90
BT028 ST	2		<.02	26.8	9.0	255	0.8	<.2	<.1	260	190	2,020	90
BT029 ST	2		<.02	33.6	5.0	118	0.4	<.2	<.1	260	163	1,385	140
BT030 ST	2		<.02	40.4	6.0	160	0.8	<.2	<.1	250	142	1,345	140
BT031 ST	<1		<.02	38.6	5.0	125	0.6	<.2	<.1	220	213	1,215	110
BT032 ST	<1		<.02	32.4	4.5	136	1.0	<.2	<.1	270	149	1,200	110
BT033 ST	6		0.08	48.2	9.0	106	12.0	<.2	<.1	410	86	1,205	180
BT034 ST	1		<.02	27.8	7.0	239	0.8	<.2	<.1	310	194	1,865	120
BT039 ST	<1		<.02	55.4	6.0	127	0.6	<.2	<.1	250	84	1,315	110
BT040 ST	8		<.02	35.0	9.0	120	1.6	<.2	<.1	1,090	87	1,485	130
BT041 ST	<1		<.02	28.2	6.5	149	<.2	<.2	<.1	300	104	1,440	150
BT042 ST	<1		<.02	35.2	6.5	132	0.2	<.2	<.1	280	106	1,445	130
BT043 ST	2		<.02	34.2	10.0	163	1.2	<.2	<.1	340	177	1,525	140
BT044 ST	<1		<.02	25.2	7.0	370	<.2	<.2	<.1	200	427	2,870	50
BS002 ST	<1		<.02	44.4	10.5	200	0.6	<.2	<.1	350	442	1,520	70
BS003 ST	<1		<.02	35.2	11.0	176	3.4	<.2	<.1	410	436	1,660	70
BS004 ST	<1		<.02	37.8	9.0	349	1.2	<.2	<.1	240	985	2,520	50
BS005 ST	<1		<.02	47.6	9.5	201	0.4	<.2	<.1	210	755	1,880	80
BS007 ST	<1		<.02	30.6	10.0	267	1.2	<.2	<.1	280	733	2,300	40
BS009 ST	1		<.02	36.2	7.0	446	1.4	<.2	<.1	160	1,200	3,180	20
BS011 ST	29		<.02	28.4	7.0	399	<.2	<.2	<.1	230	981	2,760	30
BS012 ST	<1		<.02	32.6	10.0	231	2.4	<.2	<.1	320	596	1,915	60
BS013 ST	<1		<.02	37.8	11.5	225	2.4	<.2	<.1	290	454	1,935	80
BS016 ST	<1		<.02	31.0	8.5	122	1.8	<.2	<.1	370	311	1,525	110
BS017 ST	<1		0.04	37.2	8.0	126	4.4	<.2	<.1	430	144	1,545	130
BS019 ST	<1		0.10	35.0	11.0	149	14.6	<.2	<.1	520	136	2,190	150
BS020 ST	3		0.06	38.0	9.0	172	10.8	<.2	<.1	520	73	2,000	130
BS021 ST	<1		0.04	36.4	7.5	165	4.6	<.2	<.1	490	99	1,745	130
BS022 ST	1		0.02	31.4	6.5	207	3.8	<.2	<.1	530	95	1,845	110
BS023 ST	<1		0.02	31.6	10.0	209	1.8	<.2	<.1	480	126	1,830	110
BS024 ST	1		0.04	43.6	6.5	166	4.4	<.2	<.1	720	150	1,675	130
BS025 ST	2		0.06	37.4	7.0	110	6.6	<.2	<.1	500	73	1,245	140
BS026 ST	1		0.08	39.8	9.0	236	7.4	<.2	<.1	550	110	1,945	120
BS027 ST	4		0.06	34.4	8.5	237	7.2	<.2	<.1	580	143	2,090	120
BS029 ST	1		0.02	31.8	7.0	151	2.8	<.2	<.1	430	134	1,510	130
BS030 ST	<1		0.02	30.6	8.5	140	1.8	<.2	<.1	300	99	1,350	120
BS031 ST	<1		<.02	29.0	9.0	230	1.4	<.2	<.1	290	135	1,760	100
BS032 ST	<1		<.02	32.2	8.0	201	1.2	<.2	<.1	350	138	1,855	120

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
BS034 ST	<1		<.02	28.2	8.5	234	1.6	<.2	<.1	370	119	1,850	110
BS036 ST	<1		<.02	26.2	10.0	273	2.0	<.2	<.1	310	181	2,280	70
BS037 ST	<1		0.02	30.2	7.0	158	2.6	<.2	<.1	440	99	1,295	110
BS038 ST	<1		0.04	38.4	6.5	168	5.8	<.2	<.1	420	91	1,410	100
BS039 ST	3		0.04	35.2	8.5	293	7.8	<.2	<.1	610	206	2,600	90
BS040 ST	2		0.02	21.2	7.5	278	2.4	<.2	<.1	250	228	1,770	70
BS041 ST	<1		0.04	31.8	7.5	235	6.4	<.2	<.1	500	136	1,920	110
BS042 ST	<1		0.02	28.4	9.0	157	3.4	<.2	<.1	370	121	1,700	130
BS043 ST	<1		0.02	26.4	5.5	96	1.4	<.2	<.1	340	92	1,375	140
BS044 ST	2		0.04	35.6	7.5	113	7.0	<.2	<.1	480	77	1,545	150
BS045 ST	<1		0.02	30.0	10.5	172	3.4	<.2	<.1	360	96	1,820	110
BS046 ST	<1		0.02	28.4	7.0	159	3.8	<.2	<.1	480	127	1,490	120
BS047 ST	<1		<.02	31.6	13.0	293	1.0	<.2	<.1	300	201	1,970	80
BS048 ST	10		<.02	24.6	12.5	302	0.6	<.2	<.1	250	281	2,250	70
BS049 ST	<1		<.02	39.0	8.5	209	1.4	<.2	<.1	350	206	1,695	100
BS050 ST	<1		<.02	34.6	10.5	253	0.8	<.2	<.1	240	183	2,140	110
BS051 ST	1		0.02	35.0	8.5	225	2.8	<.2	<.1	230	140	1,090	80
BS052 ST	2		<.02	32.6	9.5	247	5.8	<.2	<.1	460	328	2,630	150
BS053 ST	<1		<.02	30.0	2.0	110	0.4	<.2	<.1	170	463	1,495	90
BS054 ST	2		<.02	28.4	8.0	263	2.8	<.2	<.1	260	244	1,905	70
BS057 ST	<1		<.02	37.6	5.5	218	1.2	<.2	<.1	210	269	1,635	90
BS058 ST	1		0.02	38.0	6.5	194	2.0	<.2	<.1	250	297	1,550	100
BS060 ST	<1		<.02	23.8	8.0	258	1.0	<.2	<.1	340	297	2,400	40
BS061 ST	<1		<.02	31.2	5.5	278	0.6	<.2	<.1	180	457	2,230	60
BS062 ST	<1		<.02	46.0	5.5	171	0.4	<.2	<.1	240	285	1,465	110
BS063 ST	2		<.02	33.0	5.0	208	1.2	<.2	<.1	250	390	1,885	80
BS064 ST	<1		<.02	29.0	11.0	289	3.6	<.2	<.1	340	419	2,020	90
BS065 ST	<1		<.02	34.8	7.5	225	3.2	<.2	<.1	350	596	1,595	100
BS066 ST	2		0.06	34.6	10.0	147	3.8	<.2	<.1	450	120	1,515	210
BS067 ST	1		0.02	31.4	14.5	174	10.0	<.2	<.1	250	176	980	70
BS068 ST	<1		<.02	19.6	11.5	320	2.0	<.2	<.1	680	427	3,170	100
BK001 ST	3		<.02	33.8	9.5	126	1.8	<.2	<.1	500	84	1,925	170
BK006 ST	<1		<.02	22.0	9.0	145	2.2	<.2	<.1	500	232	1,355	130
BK007 ST	1		<.02	41.2	9.5	136	2.0	<.2	<.1	390	100	1,500	220
BK008 ST	2		0.02	30.0	10.5	140	3.6	<.2	<.1	440	139	1,720	170
BK009 ST	<1		0.02	35.4	11.0	127	4.0	<.2	<.1	430	94	1,370	180
BK010 ST	<1		0.02	31.2	11.5	193	4.2	<.2	<.1	450	393	1,785	130
BK011 ST	<1		0.02	38.4	8.5	139	10.0	<.2	<.1	390	228	2,060	150
BK012 ST	<1		0.02	27.4	9.5	118	9.0	<.2	<.1	490	103	1,555	200
BK013 ST	1		0.02	28.8	6.5	172	7.8	<.2	<.1	370	278	1,740	90
BK014 ST	4		<.02	29.6	9.0	164	4.0	<.2	<.1	410	160	1,680	150
BK015 ST	2		0.02	34.0	7.5	106	8.8	<.2	<.1	410	231	1,500	100
BK016 ST	1		0.02	30.4	8.5	105	5.8	<.2	<.1	400	136	1,580	170
BK017 ST	21		0.02	24.0	9.0	160	5.8	<.2	<.1	440	198	1,955	120
BK021 ST	<1		0.02	10.6	6.5	44	3.8	<.2	<.1	660	110	570	90
BK022 ST	<1		<.02	20.4	8.0	281	3.0	<.2	<.1	380	391	2,080	70
BK023 ST	1		0.02	37.2	9.0	230	2.8	<.2	<.1	500	136	1,920	120
BK024 ST	1		<.02	30.8	11.5	344	1.0	<.2	<.1	270	192	2,490	80
BK025 ST	2		<.02	33.2	14.5	272	1.6	<.2	<.1	300	183	1,910	110
BK026 ST	1		0.02	36.8	12.5	172	1.8	<.2	<.1	380	146	1,710	210
BK027 ST	<1		<.02	29.0	11.0	353	0.6	<.2	<.1	270	272	2,600	70
BK028 ST	<1		<.02	33.0	9.5	291	1.4	<.2	<.1	270	309	2,070	80
BK029 ST	1		<.02	44.8	9.0	214	2.2	<.2	<.1	390	147	1,805	120
BK030 ST	<1		<.02	39.0	10.0	264	1.8	<.2	<.1	330	202	2,100	120
BK032 ST	6		0.04	60.2	13.0	150	12.4	<.2	<.1	340	185	1,480	120
BK033 ST	1		0.02	51.0	10.0	119	2.2	<.2	<.1	310	167	1,615	160
BK034 ST	4		0.04	43.2	9.5	197	3.8	<.2	<.1	350	238	1,620	130
BK035 ST	55		0.04	49.8	7.5	109	3.4	<.2	<.1	350	180	1,200	150
BK036 ST	6		0.04	49.6	11.0	122	4.2	<.2	<.1	350	257	1,425	140
BK037 ST	<1		0.10	43.4	6.5	112	4.6	<.2	<.1	340	327	1,370	150
BK038 ST	3		0.12	51.8	7.5	94	3.8	<.2	<.1	360	178	1,140	130
BK039 ST	2		0.02	44.0	8.5	189	2.2	<.2	<.1	320	218	1,615	130
BK040 ST	<1		<.02	20.0	13.5	368	0.4	<.2	<.1	280	224	2,640	80
BK041 ST	23		<.02	35.0	12.5	155	1.2	<.2	<.1	420	81	1,470	170
BK043 ST	2		<.02	27.8	10.0	173	0.2	<.2	<.1	370	104	1,755	140
BK045 ST	<1		<.02	23.8	7.0	350	0.2	<.2	<.1	210	417	2,860	40
BK046 ST	1		0.02	40.6	10.0	106	1.4	<.2	<.1	470	148	1,705	160
BK048 ST	54		<.02	35.0	10.5	257	1.4	<.2	<.1	310	173	1,850	120
BK050 ST	1		<.02	21.2	14.0	260	0.6	<.2	<.1	290	269	1,865	80
BK051 ST	<1		0.02	34.4	12.0	174	2.0	<.2	<.1	360	114	2,050	140
BK052 ST	<1		<.02	30.8	11.0	206	1.6	<.2	<.1	340	177	1,755	120
BK053 ST	4		<.02	36.8	12.5	83	2.8	<.2	<.1	490	103	1,345	210
CD272	<1		0.02	3.8	6.5	59	1.6	<.2	0.1	150	65	1,340	120
CD274	<1		<.02	17.8	7.5	308	0.8	<.2	<.1	90	173	1,775	40
CD275	12		<.02	14.0	12.5	110	4.8	<.2	<.1	310	212	1,620	90
CD276	14		0.02	18.0	16.0	110	7.0	<.2	<.1	350	169	1,620	120
CD278	<1		<.02	19.0	16.5	149	7.8	<.2	<.1	340	253	1,895	110
CD282	268		0.48	5.6	13.5	113	55.4	1.4	<.1	210	13	335	1,230
CD283	6		<.02	20.0	12.0	120	8.8	<.2	<.1	280	190	1,660	110
CD284	<1		<.02	24.8	14.5	34	11.8	0.2	0.1	120	128	1,205	90

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
CD285	<1		<.02	10.6	6.0	84	3.6	<.2	<.1	270	129	1,285	110
CD286	<1		<.02	7.2	7.0	73	2.2	<.2	<.1	190	69	1,870	90
CD287	1		0.02	22.6	7.5	92	7.4	<.2	0.1	240	85	1,110	80
CD288	<1		0.02	16.2	8.5	119	3.8	<.2	<.1	500	37	940	100
CD289	<1		0.02	9.2	7.0	32	6.4	<.2	<.1	200	33	1,105	60
CD290	<1		<.02	7.6	6.5	68	4.6	<.2	<.1	280	48	1,010	70
CD291	2		<.02	14.4	12.5	101	17.0	<.2	0.1	450	138	1,660	100
CD292	<1		<.02	11.0	10.5	132	10.2	<.2	<.1	290	160	1,700	80
CD293	<1		3.32	11.6	43.5	94	8.6	<.2	<.1	310	84	1,210	110
CD296	<1		0.02	16.2	13.0	67	6.4	0.4	<.1	360	51	950	190
CD297	1		<.02	18.0	13.5	82	5.8	<.2	<.1	270	87	1,210	110
CD298	<1		<.02	15.4	14.5	96	4.8	<.2	<.1	260	115	1,380	110
CD299	<1		<.02	14.8	13.5	77	4.2	<.2	<.1	280	90	1,220	120
CD300	<1		<.02	16.6	15.0	83	5.0	<.2	<.1	280	86	1,175	120
CD301	<1		<.02	17.0	16.0	90	4.0	<.2	<.1	270	103	1,225	130
CD302	<1		<.02	22.0	17.5	67	5.0	<.2	<.1	350	87	1,390	120
CD303	2		<.02	20.2	14.5	58	25.8	0.2	<.1	200	58	430	40
CD304	<1		<.02	20.6	12.5	79	8.2	<.2	<.1	190	59	1,035	90
CD305	<1		<.02	58.2	25.0	114	3.6	<.2	<.1	290	27	1,165	130
CD306	<1		<.02	15.6	8.5	67	9.8	<.2	<.1	190	64	1,075	60
CD307	1		<.02	22.8	14.0	62	7.6	<.2	<.1	260	53	990	120
CD308	<1		<.02	21.6	14.5	72	5.8	<.2	<.1	340	73	740	120
CD309	<1		<.02	14.6	9.5	45	7.0	<.2	<.1	250	17	345	80
CD310	10		<.02	10.2	9.0	30	6.8	<.2	<.1	230	28	405	60
CD311	<1		<.02	16.2	8.0	74	7.0	<.2	<.1	430	21	425	60
CD312	<1		<.02	26.6	11.5	127	10.4	<.2	<.1	250	112	1,445	50
CD313	1		<.02	28.2	12.5	100	12.0	<.2	<.1	260	61	1,080	80
CD314	2		<.02	29.8	12.0	63	10.0	<.2	<.1	210	31	615	80
CD315	<1		<.02	6.4	6.0	20	4.2	<.2	<.1	150	12	640	130
CD317	<1		<.02	18.2	7.5	28	2.8	<.2	<.1	240	22	275	30
CD318	1		<.02	15.8	10.0	105	15.2	<.2	<.1	410	104	1,075	100
CD319	<1		<.02	19.0	11.5	145	5.4	<.2	<.1	370	107	955	70
CD320	10		<.02	40.2	8.0	41	8.4	0.2	0.1	130	21	590	40
CD324	1		<.02	10.2	6.5	35	<.2	<.2	<.1	210	23	1,895	150
CD325	<1		<.02	14.6	8.0	214	1.2	<.2	<.1	240	261	2,150	40
CD326	1		0.04	24.8	8.0	92	6.8	<.2	<.1	270	92	700	60
CD328	2		<.02	24.6	12.0	95	9.2	<.2	<.1	330	114	1,310	60
CD330	2		0.02	18.2	10.5	54	9.4	<.2	0.2	220	58	960	90
CD332	<1		<.02	20.0	12.5	79	1.6	<.2	0.1	300	103	1,165	140
CD333	<1		<.02	22.8	12.5	79	2.2	<.2	0.1	300	84	1,080	140
CD334	<1		<.02	21.6	15.5	80	1.8	0.2	<.1	290	94	1,220	100
CD335	1		<.02	51.6	25.0	84	3.8	<.2	<.1	390	54	950	170
CD336	3		<.02	20.6	18.5	68	2.6	<.2	<.1	410	46	830	110
CD337	<1		0.04	34.8	17.5	108	5.2	<.2	0.3	380	75	1,355	120
CD338	188		0.06	48.8	24.5	157	6.4	<.2	0.1	340	90	1,450	90
CD339	4		0.04	46.8	23.5	191	5.2	<.2	<.1	350	42	810	80
CD340	9		<.02	33.8	15.5	108	7.0	<.2	0.1	320	80	905	80
CD341	1		0.02	18.6	22.5	66	2.4	<.2	0.2	260	80	1,340	70
CD344	<1		<.02	67.8	62.5	103	2.8	<.2	0.1	240	32	1,240	100
CD345	1		0.02	29.0	11.0	92	6.0	<.2	<.1	240	48	790	60
CD347	<1		0.02	40.0	13.5	176	6.2	<.2	0.1	330	150	1,735	70
CD348	2		0.02	50.0	13.5	124	7.6	<.2	<.1	760	55	915	80
CD349	1		<.02	42.8	7.5	82	0.2	<.2	<.1	300	46	950	100
CD350	<1		0.02	26.8	13.5	85	2.4	<.2	<.1	280	77	1,100	130
CD352	1		0.02	61.0	11.0	112	2.2	<.2	<.1	330	59	1,805	140
CD354	<1		0.02	33.4	14.0	85	9.8	<.2	<.1	250	96	1,005	90
CD355	<1		0.04	131.5	11.5	220	16.8	<.2	<.1	290	41	1,720	100
CD356	<1		0.08	111.0	14.5	248	21.6	<.2	<.1	310	74	1,595	100
CD357	<1		0.06	83.6	16.5	199	17.4	2.8	<.1	330	92	1,520	100
CD358	<1		<.02	26.8	17.0	98	5.8	<.2	<.1	320	57	1,285	70
CD359	<1		<.02	44.0	19.5	184	8.4	<.2	<.1	360	83	1,285	90
CD360	2		<.02	57.8	12.0	428	4.8	<.2	<.1	270	49	1,400	70
CD361	2		0.04	44.0	18.5	198	5.0	<.2	<.1	340	102	1,510	80
CD362	1		0.02	20.0	10.5	91	2.8	<.2	<.1	310	54	1,455	110
CD363	<1		0.02	34.6	18.0	138	7.2	<.2	<.1	290	83	1,135	70
CD365	<1		0.02	41.0	41.5	182	6.8	<.2	<.1	310	104	1,320	60
CD366	<1		0.02	34.4	16.5	174	5.8	<.2	<.1	330	100	1,490	80
CD367	1		0.02	21.8	14.0	102	4.0	<.2	<.1	310	70	1,060	110
CD368	<1		0.02	39.2	21.0	173	7.2	<.2	<.1	340	83	1,355	80
CD369	<1		<.02	21.6	13.0	88	4.6	<.2	<.1	290	83	1,010	130
CD370	1		<.02	20.8	16.5	116	5.2	<.2	<.1	360	76	1,300	90
CD371	<1		0.04	90.6	14.0	142	3.4	<.2	<.1	350	58	1,515	110
CD372	1		<.02	20.8	12.5	191	14.6	<.2	<.1	320	171	1,535	80
CD373	<1		<.02	8.0	11.5	48	3.0	<.2	<.1	80	16	250	100
CD374	1		0.02	37.2	28.0	210	4.6	<.2	<.1	340	147	1,620	70
CD375	1		0.02	30.6	17.5	193	4.8	<.2	<.1	310	135	1,460	80
CD376	1		0.02	34.2	17.5	179	6.4	<.2	<.1	310	123	1,310	90
CD377	<1		<.02	22.8	14.5	192	0.8	<.2	<.1	110	111	1,560	40
CD378	<1		<.02	13.6	10.5	76	2.2	<.2	<.1	180	52	1,685	90
CD379	<1		0.02	34.2	16.0	126	5.4	<.2	<.1	300	75	1,170	90

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
CD380	1		0.02	27.2	10.5	79	6.6	<.2	<.1	200	24	1,115	190
CD381	<1		0.02	26.6	14.0	96	5.6	<.2	<.1	300	73	1,295	110
CD382	<1		0.02	44.6	17.5	142	5.0	<.2	<.1	300	63	1,405	100
CD383	1		0.02	53.4	12.5	180	6.2	<.2	<.1	340	69	1,215	100
CD384	3		0.06	30.2	37.0	222	6.6	<.2	<.1	280	69	1,235	100
CD385	<1		0.02	39.6	17.0	184	5.4	<.2	<.1	330	96	1,190	100
CD386	<1		0.02	18.2	12.0	99	5.0	0.2	<.1	180	108	1,640	60
CK001	197		28.00	41.0	332.0	726	522.0	26.6	1.1	400	63	>10,000	130
CK002	<1		0.20	29.2	7.0	134	9.6	<.2	0.1	360	215	1,845	350
CK003	<1		0.04	35.8	5.0	97	1.4	0.2	<.1	370	78	1,425	140
CK004	2		0.02	9.8	5.0	107	0.2	<.2	<.1	440	61	1,405	130
CK005	<1		0.02	28.0	6.0	179	5.2	<.2	0.1	320	261	1,865	90
CK006	<1		0.04	42.0	6.5	96	4.2	<.2	0.1	400	119	1,360	140
CK007	<1		<.02	29.4	21.0	67	81.6	5.8	0.1	420	70	8,170	640
CK008	1		0.02	35.2	7.0	87	4.6	0.2	<.1	360	165	1,345	120
CK009	<1		0.02	19.4	7.0	57	1.2	<.2	<.1	340	32	975	140
CK010	<1		<.02	22.6	5.0	89	2.6	<.2	0.1	300	114	1,065	110
CK011	<1		<.02	18.6	7.0	110	4.0	<.2	<.1	310	93	1,545	90
CK012	<1		<.02	10.8	8.0	42	7.0	<.2	<.1	250	52	1,145	100
CK013	<1		<.02	8.0	7.0	48	0.6	<.2	<.1	220	43	890	110
CK014	<1		<.02	5.6	7.5	56	1.2	<.2	<.1	250	26	970	180
CK015	<1		<.02	20.2	6.5	126	4.2	<.2	0.2	310	107	1,575	70
CK016	<1		<.02	19.4	9.0	56	3.8	<.2	<.1	300	65	1,195	150
CK017	<1		0.04	69.8	31.5	638	13.8	<.2	<.1	390	57	2,010	170
CK018	<1		<.02	11.0	8.0	75	5.2	0.2	<.1	420	67	1,150	90
CK019	13		0.02	18.0	7.0	65	8.0	<.2	0.1	270	72	1,670	130
CK020	<1		<.02	18.2	7.0	93	15.4	<.2	0.1	360	72	1,530	80
CK021	<1		0.02	25.0	7.5	77	3.6	<.2	<.1	300	66	780	70
CK022	4		0.02	22.2	11.5	52	7.8	<.2	<.1	370	54	905	80
CK023	<1		<.02	21.8	10.5	130	5.8	<.2	<.1	390	40	1,065	120
CK024	1		<.02	12.4	7.0	61	3.4	<.2	<.1	260	54	1,240	70
CK025	1		0.02	11.2	9.0	37	5.6	<.2	<.1	230	26	625	90
CK026	<1		<.02	37.2	6.0	106	3.4	<.2	<.1	240	110	940	80
CK027	<1		<.02	20.2	9.0	47	8.2	<.2	<.1	370	72	1,675	90
CK028	<1		<.02	38.4	9.0	127	2.2	<.2	<.1	550	58	905	100
CK029	<1		<.02	24.4	6.5	136	5.0	<.2	<.1	530	46	1,445	100
CK030	2		0.02	64.2	17.5	605	3.4	<.2	<.1	610	32	2,430	250
CK031	<1		0.04	82.8	21.0	606	7.2	<.2	<.1	560	34	2,020	240
CK032	3		<.02	32.2	15.5	296	5.6	<.2	<.1	350	179	2,090	80
CK033	<1		0.02	22.0	10.0	117	6.4	<.2	<.1	330	71	1,040	110
CK034	<1		0.02	6.6	5.5	30	3.6	<.2	<.1	140	13	485	100
CK035	<1		0.02	19.8	15.5	111	4.4	<.2	<.1	320	40	1,240	110
CK036	<1		<.02	15.4	13.0	119	3.0	3.2	<.1	160	94	1,845	80
CK037	<1		0.02	28.0	15.5	194	4.4	<.2	<.1	280	152	1,590	80
CK038	2		<.02	16.0	14.5	52	3.6	<.2	<.1	210	97	1,395	110
CK039	<1		<.02	11.8	9.0	90	1.6	<.2	<.1	190	92	1,890	80
CK040	13		0.02	18.8	13.5	106	6.4	<.2	<.1	360	94	1,110	100
CK041	<1		<.02	20.2	12.0	126	6.2	<.2	<.1	300	94	1,345	110
CK042	2		<.02	18.2	10.5	109	5.6	<.2	<.1	250	87	965	80
CK043	3		<.02	15.4	10.0	117	3.8	<.2	<.1	180	119	1,740	60
CK044	<1		0.02	12.0	8.0	44	1.2	<.2	<.1	230	21	890	140
CK045	<1		<.02	10.6	9.5	31	1.0	<.2	<.1	110	10	1,105	150
CK046	<1		0.02	8.2	19.0	50	1.6	<.2	<.1	190	48	550	120
CK047	<1		<.02	8.0	7.0	45	4.2	<.2	0.1	230	70	890	90
CK048	<1		<.02	5.8	8.5	39	1.4	<.2	<.1	120	26	1,205	120
CK049	<1		<.02	9.2	8.5	83	<.2	<.2	<.1	40	70	2,230	50
CK050	<1		0.02	15.0	23.5	102	4.8	<.2	<.1	210	82	1,280	130
CK051	<1		<.02	15.2	18.0	117	10.0	<.2	<.1	230	77	2,750	170
CK052	13		<.02	17.6	24.5	63	9.8	<.2	<.1	250	42	915	130
CK053	2		<.02	28.8	13.0	321	3.2	<.2	<.1	230	225	2,370	50
CK054	1		<.02	27.4	13.0	157	7.0	0.2	<.1	390	118	1,370	110
CK055	<1		0.04	18.8	19.5	101	9.2	<.2	0.1	350	35	1,035	160
CK056	<1		0.04	45.8	28.0	432	4.4	<.2	<.1	330	71	1,720	110
CK057	2		0.02	36.8	27.5	198	7.8	<.2	<.1	490	67	2,730	170
CK058	<1		0.02	28.2	28.5	139	9.4	<.2	<.1	360	64	1,755	150
CK059	2		0.12	40.8	48.0	155	14.8	<.2	<.1	330	43	1,705	150
CK060	<1		<.02	31.4	14.0	350	5.0	<.2	<.1	250	243	2,430	60
CK061	<1		<.02	13.2	7.0	43	17.8	<.2	0.1	230	47	775	60
CK062	<1		<.02	13.8	11.0	61	35.2	0.2	<.1	330	86	1,015	40
CK063	<1		0.02	8.6	7.0	56	1.0	<.2	<.1	170	34	990	80
CK064	<1		<.02	12.6	8.5	59	5.8	0.2	<.1	340	44	1,800	130
CK065	8		0.02	10.2	10.0	49	4.6	<.2	<.1	330	31	620	190
CK066	11		0.06	21.2	48.0	127	12.8	<.2	0.1	280	48	1,330	210
CK067	2		0.02	19.4	81.5	317	6.4	<.2	<.1	270	45	3,930	140
CK068	3		0.14	10.6	12.0	38	7.8	<.2	<.1	250	42	795	70
CK069	1		0.06	21.6	52.5	149	9.6	<.2	<.1	380	32	3,460	240
CK070	<1		0.02	17.6	40.0	105	5.8	<.2	0.1	260	59	1,370	200
CK071	<1		0.04	30.4	61.0	202	6.4	<.2	<.1	370	78	2,150	270
CK072	<1		0.02	19.0	35.5	55	6.0	<.2	0.1	170	29	1,150	210
CK073	1		<.02	22.4	19.5	64	7.4	<.2	<.1	300	68	1,025	140

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
CK074	<1		<.02	20.2	16.5	119	3.4	<.2	<.1	350	122	1,325	110
CK075	<1		<.02	22.2	16.0	66	4.4	<.2	0.1	250	77	990	140
CK076	<1		<.02	20.8	17.5	76	3.6	<.2	<.1	320	97	1,315	100
CK077	2		<.02	23.2	18.5	52	4.2	0.2	<.1	330	84	1,120	90
CK078	<1		<.02	18.2	10.5	115	3.0	<.2	<.1	260	95	1,350	110
CK079	1		<.02	21.4	19.5	67	3.8	<.2	<.1	300	66	1,495	150
CK080	1		0.02	23.6	18.0	54	4.4	<.2	<.1	310	73	1,145	140
CK081	<1		<.02	15.0	9.5	163	<.2	<.2	<.1	90	116	2,310	30
CT001	450		0.04	18.0	10.5	108	22.6	<.2	<.1	210	150	1,965	110
CT002	4		<.02	10.0	8.5	114	5.8	<.2	<.1	210	47	1,365	120
CT003	1		0.02	22.6	6.5	29	7.6	<.2	<.1	310	22	575	150
CT004	<1		0.02	19.8	7.5	55	8.4	<.2	<.1	260	49	1,250	110
CT005	<1		<.02	18.8	7.5	49	3.6	<.2	<.1	310	31	990	150
CT006	1		0.08	20.2	19.0	61	8.0	<.2	<.1	210	58	965	140
CT007	<1		0.02	16.4	13.0	50	2.0	<.2	<.1	220	93	720	110
CT008	<1		<.02	11.2	12.5	46	6.6	<.2	<.1	230	71	1,805	130
CT009	<1		0.30	13.2	69.0	153	7.0	<.2	<.1	230	88	1,340	120
CT010	<1		<.02	22.4	14.0	141	3.4	<.2	<.1	450	94	1,255	70
CT011	<1		<.02	13.6	10.5	151	4.0	<.2	<.1	170	161	1,785	60
CT012	<1		<.02	13.2	10.0	113	9.2	<.2	<.1	260	136	1,540	100
CT013	2		0.04	16.8	10.0	56	12.4	<.2	<.1	400	71	1,165	100
CT014	<1		<.02	13.2	12.0	163	9.2	<.2	<.1	280	212	1,810	70
CT015	1		<.02	34.4	20.0	450	0.6	<.2	<.1	190	357	2,620	10
CT016	<1		0.02	12.2	4.5	184	0.6	<.2	<.1	280	87	1,910	80
CT017	<1		0.02	30.0	10.5	96	2.4	<.2	<.1	270	51	960	100
CT018	6		0.04	24.6	7.0	92	33.4	<.2	<.1	220	53	1,300	60
CT019	<1		<.02	20.0	6.5	214	3.0	<.2	<.1	350	40	1,640	100
CT020	1		0.16	22.8	17.0	228	9.8	8.6	<.1	380	69	5,040	590
CT021	7		<.02	32.0	14.0	323	7.0	<.2	<.1	270	231	2,080	60
CT022	<1		<.02	37.6	14.0	399	0.4	<.2	<.1	220	191	2,170	30
CT023	<1		<.02	16.0	9.5	111	2.8	<.2	<.1	270	37	1,180	70
CT024	1		<.02	15.0	7.5	185	5.4	<.2	<.1	470	59	1,035	130
CT025	<1		<.02	11.6	7.0	213	1.4	<.2	<.1	260	84	2,270	80
CT026	<1		<.02	17.8	14.0	120	3.4	<.2	<.1	310	85	1,240	70
CT027	22		<.02	16.0	9.5	172	2.2	<.2	<.1	330	137	1,550	140
CT028	<1		<.02	15.0	8.5	112	3.6	<.2	<.1	460	72	995	110
CT029	<1		0.02	18.6	12.5	119	3.4	<.2	<.1	340	57	1,075	110
CT030	<1		<.02	14.6	7.5	197	5.8	<.2	<.1	460	51	1,055	90
CT031	<1		0.06	19.0	9.5	158	5.0	<.2	<.1	430	142	1,465	120
CT032	1		<.02	9.8	7.5	30	6.6	<.2	<.1	110	39	2,360	60
CT033	36		<.02	24.0	11.5	69	2.6	<.2	<.1	180	26	720	70
CT034	<1		<.02	27.4	12.0	124	8.6	<.2	<.1	360	73	915	120
CT035	3		0.06	70.6	16.0	170	15.2	<.2	<.1	350	73	1,205	80
CT036	1		<.02	27.6	14.0	174	3.2	<.2	<.1	290	95	1,435	90
CT037	2		0.02	18.4	10.0	102	5.0	<.2	<.1	340	71	605	120
CT038	<1		<.02	36.6	13.5	321	1.8	<.2	<.1	310	157	1,780	60
CT039	2		<.02	40.6	15.5	185	5.6	<.2	<.1	340	73	1,520	100
CT040	<1		<.02	30.6	9.0	210	3.4	<.2	<.1	670	24	1,580	130
CT041	<1		<.02	35.8	13.0	326	1.0	<.2	<.1	330	165	2,020	50
CT042	1		<.02	18.4	8.5	92	2.8	<.2	<.1	390	52	985	60
CT043	<1		<.02	20.8	10.5	146	5.8	<.2	<.1	410	95	1,150	140
CT044	<1		<.02	23.6	13.5	125	7.4	<.2	<.1	170	57	705	80
CT045	<1		0.02	37.4	44.5	216	9.6	0.4	<.1	730	66	1,270	110
CT046	<1		<.02	30.4	10.5	312	5.0	<.2	<.1	360	119	1,325	130
CT047	<1		<.02	29.2	9.0	166	4.2	<.2	<.1	390	124	1,015	120
CT048	<1		0.14	111.0	289.0	268	7.2	<.2	<.1	280	39	1,500	130
CT049	<1		<.02	6.6	9.5	58	1.2	<.2	<.1	150	71	445	90
CT050	<1		<.02	8.2	8.0	53	2.6	<.2	<.1	180	42	500	110
CT051	<1		<.02	18.0	8.5	103	3.0	<.2	<.1	260	43	625	130
CT052	<1		<.02	29.4	12.0	241	2.0	<.2	<.1	270	148	1,655	80
CT053	1		<.02	20.8	14.0	166	3.8	<.2	<.1	330	100	1,240	120
CT054	<1		<.02	28.0	13.0	228	1.6	<.2	<.1	190	134	1,745	80
CT055	<1		<.02	21.4	12.5	201	3.6	<.2	<.1	320	95	1,280	110
CT056	<1		<.02	27.8	12.5	184	6.0	<.2	<.1	250	116	1,580	110
CT057	<1		0.02	17.6	18.5	103	12.6	<.2	<.1	220	82	935	320
CT058	<1		<.02	17.6	10.0	146	3.0	<.2	<.1	350	141	1,270	110
CT059	<1		<.02	27.6	12.0	130	8.6	<.2	<.1	300	166	1,825	120
CT060	<1		<.02	22.2	11.0	152	2.6	<.2	<.1	250	220	1,640	120
CT061	<1		<.02	23.2	11.5	137	5.0	<.2	<.1	290	181	1,565	140
CT062	<1		<.02	14.2	10.5	123	3.6	<.2	<.1	230	120	1,985	80
CT063	1		<.02	18.6	12.0	126	4.8	<.2	<.1	370	99	1,745	110
CT064	<1		<.02	7.8	6.0	57	2.0	<.2	<.1	170	44	1,395	70
CT065	<1		<.02	20.2	14.5	64	4.4	<.2	<.1	230	87	975	130
CT066	<1		<.02	13.6	8.5	79	3.2	<.2	<.1	220	72	1,330	130
CT067	<1		<.02	15.4	7.0	243	1.2	<.2	<.1	170	202	2,860	30
CT068	<1		<.02	16.2	7.0	89	1.6	<.2	<.1	170	90	1,700	100
CS001 ST	708		49.60	51.4	615.0	1,235	356.0	75.2	0.6	480	32	>10,000	90
CS002 ST	6		0.24	15.0	19.5	416	44.0	6.2	<.1	600	237	>10,000	3,700
CS003 ST	<1		0.06	10.8	6.5	264	1.6	<.2	<.1	230	121	3,810	100
CS004 ST	<1		0.02	9.2	7.0	143	1.8	<.2	<.1	260	86	1,735	140

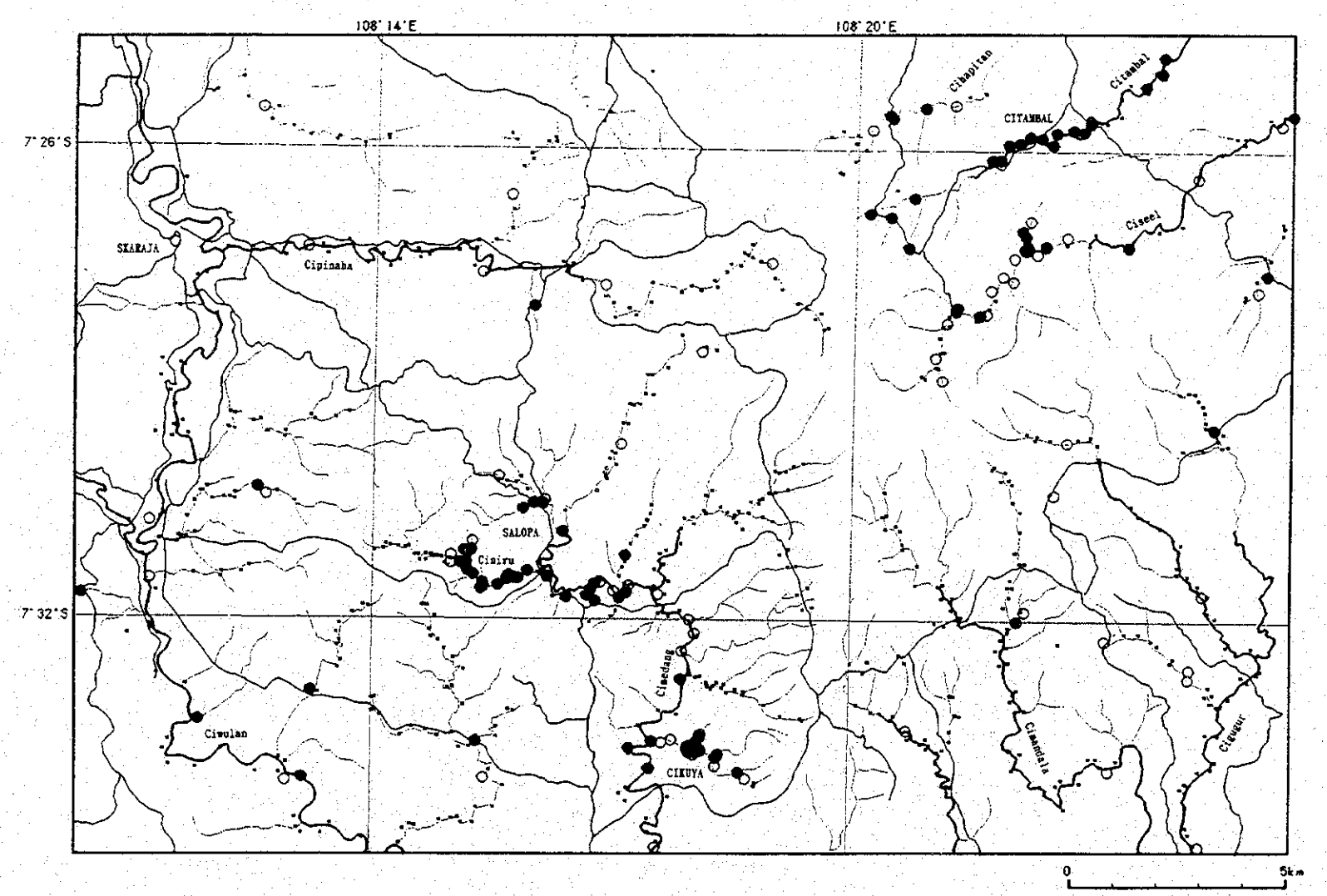
Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
CS005 ST	<1		<.02	17.4	8.5	118	7.6	<.2	<.1	310	204	1,450	70
CS006 ST	<1		0.02	13.8	8.0	146	8.6	<.2	<.1	410	164	1,270	80
CS007 ST	<1		<.02	12.4	9.0	202	5.4	<.2	<.1	230	220	1,765	60
CS008 ST	<1		<.02	16.8	7.5	170	3.0	<.2	<.1	170	217	2,190	40
CS009 ST	1		0.24	13.2	43.5	197	8.4	<.2	0.1	210	221	2,540	30
CS010 ST	<1		<.02	9.0	10.0	121	7.4	<.2	<.1	230	205	2,250	40
CS011 ST	<1		<.02	10.8	12.0	151	6.2	<.2	0.1	290	226	1,990	60
CS012 ST	<1		<.02	11.4	9.5	125	7.0	<.2	<.1	350	243	2,520	40
CS013 ST	<1		<.02	10.8	9.0	85	6.8	<.2	<.1	290	153	2,010	30
CS014 ST	1		<.02	12.2	11.5	299	2.4	<.2	0.1	400	361	1,950	50
CS015 ST	31		0.04	17.8	47.0	237	4.0	<.2	<.1	290	315	2,470	30
CS016 ST	<1		<.02	11.8	11.5	211	3.8	<.2	<.1	240	340	2,510	40
CS017 ST	<1		<.02	18.8	10.5	127	7.0	<.2	0.1	380	197	1,505	70
CS018 ST	1		0.02	18.4	7.5	51	4.8	<.2	<.1	360	152	955	80
CS019 ST	1		0.02	24.2	14.0	105	11.0	1.2	<.1	410	174	4,000	130
CS020 ST	1		<.02	29.2	18.5	83	6.0	<.2	<.1	410	84	1,530	80
CS021 ST	<1		<.02	37.4	7.5	63	1.2	<.2	<.1	350	210	835	110
CS022 ST	<1		<.02	26.8	8.5	51	5.0	<.2	<.1	380	122	2,320	90
CS023 ST	<1		0.06	33.2	13.5	68	8.0	<.2	<.1	640	61	730	110
CS024 ST	2		0.06	22.8	9.0	83	8.6	<.2	<.1	370	40	455	100
CS025 ST	<1		0.04	16.4	16.5	113	12.0	0.6	0.1	370	161	1,360	70
CS026 ST	<1		<.02	28.6	20.5	292	6.6	<.2	<.1	410	284	2,610	60
CS027 ST	<1		<.02	28.6	16.5	342	4.4	<.2	<.1	370	259	2,450	40
CS028 ST	<1		<.02	27.6	17.0	325	4.6	<.2	<.1	340	268	2,340	60
CS029 ST	34		<.02	31.6	13.5	410	3.8	<.2	0.1	320	343	2,970	20
CS030 ST	<1		0.04	34.8	11.0	157	4.6	<.2	<.1	350	129	1,165	60
CS031 ST	<1		<.02	24.8	12.0	187	6.4	<.2	0.1	410	146	1,830	100
CS032 ST	<1		0.20	61.2	43.5	331	16.0	<.2	<.1	450	78	1,470	120
CS033 ST	<1		0.08	53.2	73.0	392	9.8	<.2	<.1	470	66	1,100	90
CS034 ST	1		0.14	75.8	84.0	127	11.6	<.2	<.1	490	68	1,200	110
CS035 ST	<1		0.10	115.5	182.5	449	11.6	<.2	<.1	460	51	1,575	90
CS036 ST	<1		0.04	59.2	88.0	107	14.2	<.2	<.1	370	113	1,345	110
CS037 ST	3		0.10	37.8	13.0	78	16.2	0.2	0.1	570	59	805	120
CS038 ST	<1		0.20	106.0	173.0	151	12.8	<.2	<.1	390	50	1,430	110
CS039 ST	<1		0.08	53.0	72.0	290	11.0	<.2	<.1	470	38	1,315	80
CS040 ST	<1		0.02	17.2	25.0	103	3.4	<.2	<.1	390	101	1,135	90
CS041 ST	<1		0.04	29.6	24.0	308	10.2	<.2	<.1	530	86	2,420	140
CS042 ST	<1		0.04	21.6	33.5	144	6.0	<.2	<.1	280	25	1,390	190
CS043 ST	54		0.02	23.8	17.5	195	7.8	<.2	<.1	360	160	1,795	110
CS044 ST	<1		0.16	11.2	25.5	102	6.2	<.2	<.1	210	38	885	190
CS045 ST	<1		0.04	15.8	39.0	82	8.6	<.2	<.1	240	44	1,045	280
CS046 ST	<1		<.02	7.0	9.5	112	2.0	<.2	<.1	260	64	2,050	130
CS047 ST	<1		<.02	12.8	12.5	134	9.0	<.2	<.1	360	123	1,685	70
CS048 ST	<1		<.02	14.6	7.5	212	3.6	<.2	0.1	320	84	1,735	80
CS049 ST	<1		<.02	19.8	9.0	152	4.2	<.2	0.2	300	127	1,590	90
CS050 ST	<1		<.02	23.8	13.5	269	2.6	<.2	<.1	270	188	1,935	70
CS051 ST	<1		<.02	5.6	9.5	409	1.8	<.2	<.1	290	53	1,910	80
CS052 ST	<1		0.02	19.0	9.5	117	3.4	<.2	<.1	270	106	1,320	130
CS053 ST	<1		<.02	22.6	11.5	179	8.2	<.2	<.1	390	139	1,365	90
CS054 ST	<1		<.02	16.2	8.5	300	2.8	<.2	<.1	320	158	1,760	70
CS055 ST	<1		<.02	12.4	9.5	193	3.4	<.2	<.1	410	128	1,390	90
CS056 ST	1		<.02	23.2	8.0	149	2.4	<.2	<.1	520	210	1,460	110
CS057 ST	<1		<.02	13.0	8.0	189	1.8	<.2	<.1	400	190	2,240	100
CS058 ST	32		0.02	15.8	6.5	161	2.0	<.2	<.1	330	146	1,950	110
CS059 ST	<1		0.02	14.0	14.0	116	8.0	<.2	<.1	350	147	1,040	110
CS060 ST	<1		0.10	38.6	23.5	191	8.8	<.2	<.1	600	128	1,000	120
CS061 ST	<1		<.02	21.4	14.0	101	8.0	<.2	<.1	390	131	960	100
CS062 ST	1		<.02	16.2	8.0	80	6.4	<.2	<.1	560	127	1,060	100
CS063 ST	<1		0.02	24.6	14.5	120	8.2	<.2	<.1	570	95	1,140	120
CS064 ST	<1		<.02	25.4	9.0	64	6.0	<.2	<.1	480	90	965	110
CS065 ST	<1		<.02	22.0	19.0	161	5.6	<.2	<.1	610	236	2,940	80
CS066 ST	1		0.02	63.6	33.0	104	6.4	<.2	<.1	320	145	970	110
CS067 ST	<1		0.02	30.2	80.5	104	6.0	<.2	<.1	290	33	1,570	70
CS068 ST	<1		0.04	38.0	44.5	123	5.0	<.2	<.1	420	91	2,790	140
CS069 ST	<1		0.02	23.8	29.5	177	7.0	<.2	0.1	510	157	1,895	90
CS070 ST	<1		0.06	33.2	22.5	157	7.2	<.2	<.1	580	122	1,515	130
CS071 ST	<1		0.04	38.8	16.0	240	6.4	<.2	<.1	530	224	2,100	90
CH001 ST	7		0.02	29.0	4.5	102	7.0	<.2	<.1	400	228	1,610	110
CH002 ST	<1		0.02	30.8	10.0	167	5.0	<.2	<.1	310	207	1,980	120
CH003 ST	<1		0.02	28.2	7.5	121	2.8	<.2	<.1	320	192	1,420	130
CH004 ST	<1		0.04	17.0	14.0	100	3.4	<.2	<.1	460	66	1,310	140
CH005 ST	<1		0.02	30.6	5.0	134	7.6	<.2	<.1	400	226	1,725	110
CH006 ST	1		0.08	26.2	5.0	159	6.6	<.2	<.1	360	267	1,935	90
CH007 ST	<1		0.02	29.0	4.5	133	6.2	<.2	<.1	450	222	1,680	110
CH008 ST	<1		<.02	17.2	13.5	147	25.6	<.2	0.1	880	96	1,585	120
CH009 ST	1		<.02	34.4	4.5	190	0.6	<.2	<.1	280	339	2,000	80
CH010 ST	<1		<.02	3.2	4.5	26	1.4	<.2	<.1	130	15	720	150
CH011 ST	<1		<.02	3.8	5.5	58	1.4	<.2	0.1	250	77	1,900	110
CH012 ST	<1		<.02	9.2	6.0	118	2.2	<.2	<.1	360	76	2,170	70
CH013 ST	1		<.02	6.4	6.0	61	8.6	<.2	<.1	220	65	2,010	30

Sample No.	Au (NAA) ppb	Au (FA) g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	P ppm	Cr ppm	Mn ppm	Ba ppm
CH014 ST	<1		0.02	18.0	8.5	175	3.4	<.2	<.1	400	129	1,460	130
CH015 ST	<1		0.02	11.4	7.0	35	6.4	<.2	<.1	260	59	2,500	50
CH016 ST	101		<.02	27.6	12.5	355	3.4	<.2	0.1	370	288	2,720	40
CH017 ST	<1		<.02	21.4	11.0	168	7.8	<.2	<.1	360	140	1,545	100
CH018 ST	1		0.06	18.4	29.0	150	52.0	4.0	<.1	410	103	>10,000	460
CH019 ST	<1		<.02	11.2	9.5	206	2.0	<.2	<.1	260	91	2,380	110
CH020 ST	<1		<.02	30.0	12.5	358	3.6	<.2	<.1	420	298	2,960	40
CH021 ST	1		0.02	13.2	11.5	122	9.0	<.2	<.1	450	163	1,815	70
CH022 ST	<1		0.02	23.4	16.0	108	8.2	<.2	<.1	510	145	1,790	110
CH023 ST	1		0.10	33.6	79.0	267	161.5	19.2	0.1	600	183	>10,000	2,040
CH024 ST	1		0.02	17.0	29.0	190	7.0	0.4	<.1	430	216	1,990	90
CH025 ST	6		0.20	61.4	55.5	270	11.6	<.2	<.1	530	130	1,645	120
CH026 ST	<1		<.02	20.2	9.5	242	2.0	<.2	<.1	340	79	1,595	80
CH027 ST	26		0.02	15.2	13.5	88	3.2	<.2	<.1	360	129	1,075	90
CH028 ST	38		0.02	17.8	19.5	200	5.2	<.2	<.1	350	197	1,870	70
CH029 ST	<1		<.02	21.0	4.5	354	1.8	<.2	<.1	220	626	2,980	10
CH030 ST	<1		0.04	30.2	16.5	194	14.4	1.0	<.1	510	321	1,960	120
CH031 ST	17		<.02	18.4	8.0	154	8.4	<.2	<.1	420	164	1,890	80
CH032 ST	<1		<.02	29.8	4.0	101	0.6	<.2	<.1	440	101	980	140
CH033 ST	<1		<.02	33.4	6.0	89	1.0	<.2	<.1	450	81	745	90
CH034 ST	<1		0.02	55.6	8.0	78	2.2	<.2	<.1	520	55	1,160	130
CH035 ST	<1		0.02	20.2	12.5	34	14.6	<.2	0.1	460	24	800	120
CH036 ST	<1		<.02	8.4	2.0	11	1.0	<.2	<.1	160	34	280	100
CH037 ST	3		0.02	4.4	10.5	46	0.8	<.2	0.1	160	35	1,195	110
CH038 ST	<1		<.02	5.8	5.0	11	1.2	<.2	<.1	90	18	220	40
CH039 ST	<1		0.02	3.8	4.0	20	2.2	<.2	<.1	90	15	225	100
CH040 ST	<1		<.02	5.0	4.0	39	3.2	0.2	<.1	190	27	595	100
CH041 ST	<1		<.02	15.2	14.0	99	4.8	<.2	<.1	290	70	1,495	190
CH042 ST	<1		0.02	12.8	11.0	103	2.8	<.2	<.1	190	107	2,080	80
CH043 ST	<1		<.02	19.4	7.5	129	3.2	<.2	<.1	220	61	1,275	110
CH044 ST	<1		0.02	12.2	20.0	94	3.4	<.2	<.1	240	101	1,215	150
CH045 ST	<1		<.02	8.2	8.0	86	1.6	<.2	0.1	180	74	2,880	40
CH046 ST	2		<.02	7.0	6.0	41	0.2	<.2	<.1	150	80	2,150	120
CH047 ST	<1		<.02	8.6	11.0	43	1.2	<.2	<.1	130	51	1,895	100
CH048 ST	<1		0.02	7.4	9.0	35	0.4	<.2	0.1	240	55	880	150
CH049 ST	<1		<.02	14.6	10.0	104	6.4	<.2	0.2	240	124	1,640	80
CH050 ST	<1		<.02	12.4	9.5	45	3.2	<.2	<.1	130	60	1,580	80
CH051 ST	<1		<.02	14.8	8.0	87	11.4	<.2	<.1	230	115	1,260	70
CH052 ST	<1		<.02	14.6	8.5	112	0.8	<.2	<.1	160	142	2,820	20
CH053 ST	<1		<.02	21.2	13.0	126	5.0	<.2	<.1	470	181	1,265	80
CH054 ST	<1		<.02	19.4	8.5	159	3.4	<.2	<.1	270	100	1,570	70
CH055 ST	<1		<.02	12.8	9.5	108	4.2	<.2	<.1	230	95	1,660	120
CH056 ST	<1		<.02	26.8	13.0	159	6.6	<.2	<.1	310	152	1,640	110
CH057 ST	<1		<.02	14.8	11.0	83	4.4	<.2	<.1	220	91	1,670	90
CH058 ST	<1		<.02	16.4	10.5	77	5.6	0.2	<.1	260	94	1,235	90
CH059 ST	<1		<.02	11.4	12.0	39	1.8	<.2	<.1	140	81	1,600	50
CH060 ST	14		<.02	14.0	8.0	106	2.4	<.2	<.1	190	159	2,640	30
CH061 ST	<1		<.02	14.2	10.0	55	1.8	<.2	<.1	140	103	2,800	40
CH062 ST	<1		0.02	26.2	15.5	75	3.6	<.2	0.1	400	141	1,070	160
CH063 ST	<1		<.02	14.4	9.5	104	8.0	<.2	<.1	190	102	1,715	90
CH064 ST	<1		<.02	11.0	11.5	119	2.2	<.2	<.1	180	54	2,500	90
CH065 ST	<1		<.02	12.2	11.5	45	2.6	<.2	0.1	150	73	1,980	60
CH066 ST	<1		<.02	16.0	12.5	101	5.4	<.2	0.1	300	127	1,810	110
CH067 ST	<1		<.02	12.6	10.5	125	4.0	<.2	0.1	240	96	2,240	60
CH068 ST	<1		<.02	13.4	10.0	153	3.2	<.2	<.1	320	181	2,240	50
CH069 ST	<1		<.02	10.6	8.0	67	2.2	<.2	<.1	160	95	2,400	30
CH070 ST	2		<.02	16.0	12.0	52	5.4	<.2	<.1	180	80	1,480	90
CH071 ST	3		0.02	9.8	10.5	99	5.6	<.2	<.1	190	56	2,050	70
CH072 ST	<1		<.02	13.0	9.0	76	5.0	<.2	<.1	180	89	1,395	70
CH073 ST	2		<.02	8.4	8.5	89	2.6	<.2	<.1	180	57	1,695	40
CH074 ST	<1		<.02	14.0	9.0	84	5.2	<.2	<.1	230	110	1,355	80
CH075 ST	<1		<.02	16.2	11.0	55	6.6	<.2	<.1	220	87	1,505	100
CH076 ST	<1		<.02	19.2	9.5	107	12.2	<.2	<.1	270	78	1,115	100
CH077 ST	<1		<.02	14.4	11.0	68	4.2	<.2	<.1	190	97	1,775	70
CH078 ST	<1		<.02	17.4	10.0	110	4.2	<.2	0.1	350	108	1,105	120
CH079 ST	<1		<.02	16.2	11.5	93	7.0	<.2	<.1	330	85	1,225	90
CH080 ST	<1		<.02	13.2	9.0	33	3.4	<.2	0.1	190	63	1,575	40
CH081 ST	<1		<.02	17.2	8.5	100	16.8	0.2	<.1	300	79	1,015	60
CH082 ST	<1		<.02	15.2	11.0	89	7.2	<.2	<.1	220	93	1,635	60
CH083 ST	<1		<.02	16.8	10.0	124	5.0	<.2	<.1	310	140	1,575	90
CH084 ST	<1		<.02	17.6	10.5	112	7.4	0.2	<.1	360	134	1,345	100
CH085 ST	<1		<.02	27.6	21.0	89	4.6	<.2	0.1	300	130	1,645	120
CH086 ST	1		<.02	25.8	21.5	77	5.2	<.2	<.1	370	143	1,715	130

App. 3

Anomalies of Stream Sediment Geochemistry

SALOPA AREA



Stream Sediment Geochemistry

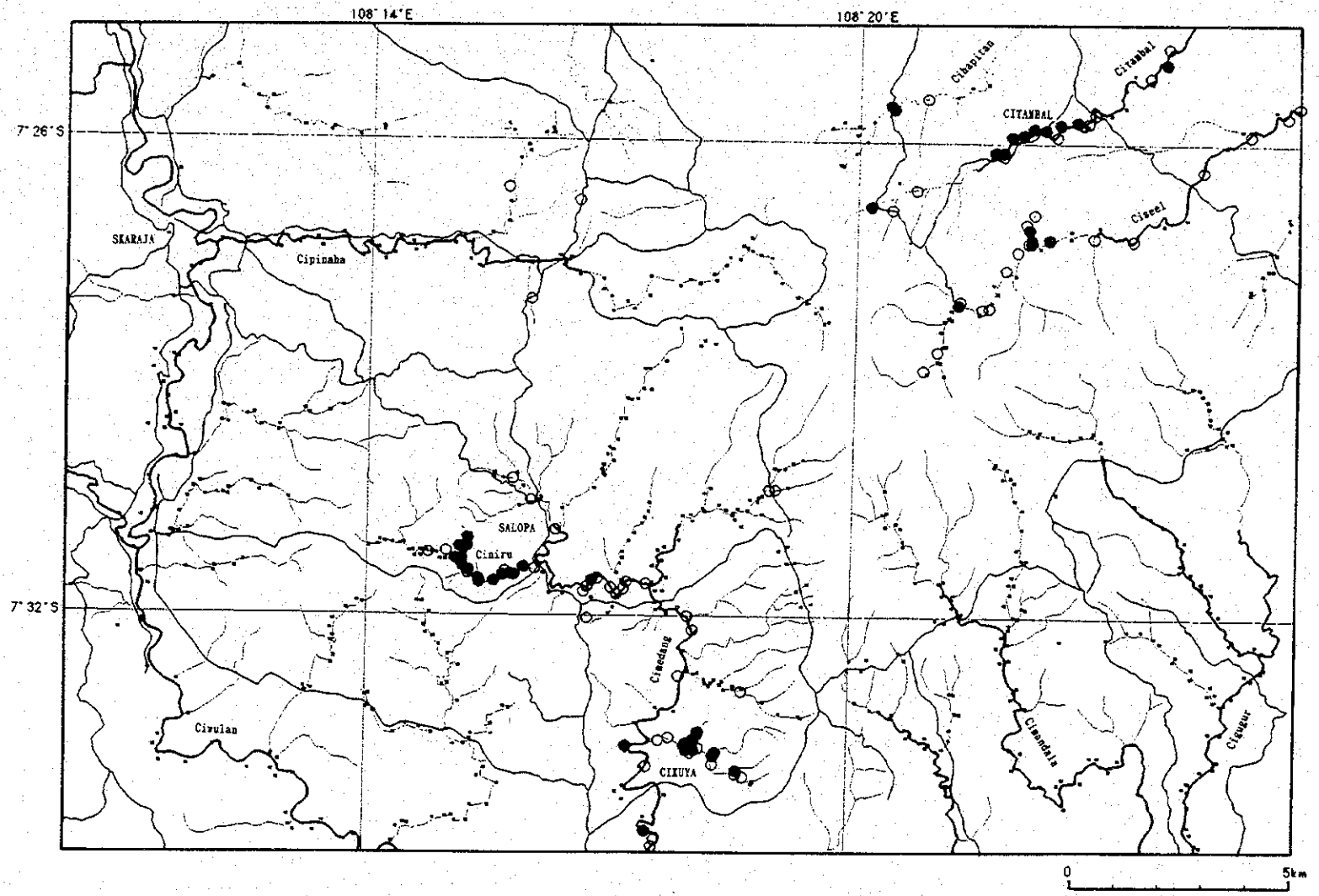
Au

● >95ppb

○ >13ppb

• <13ppb

SALOPA AREA



Stream Sediment Geochemistry

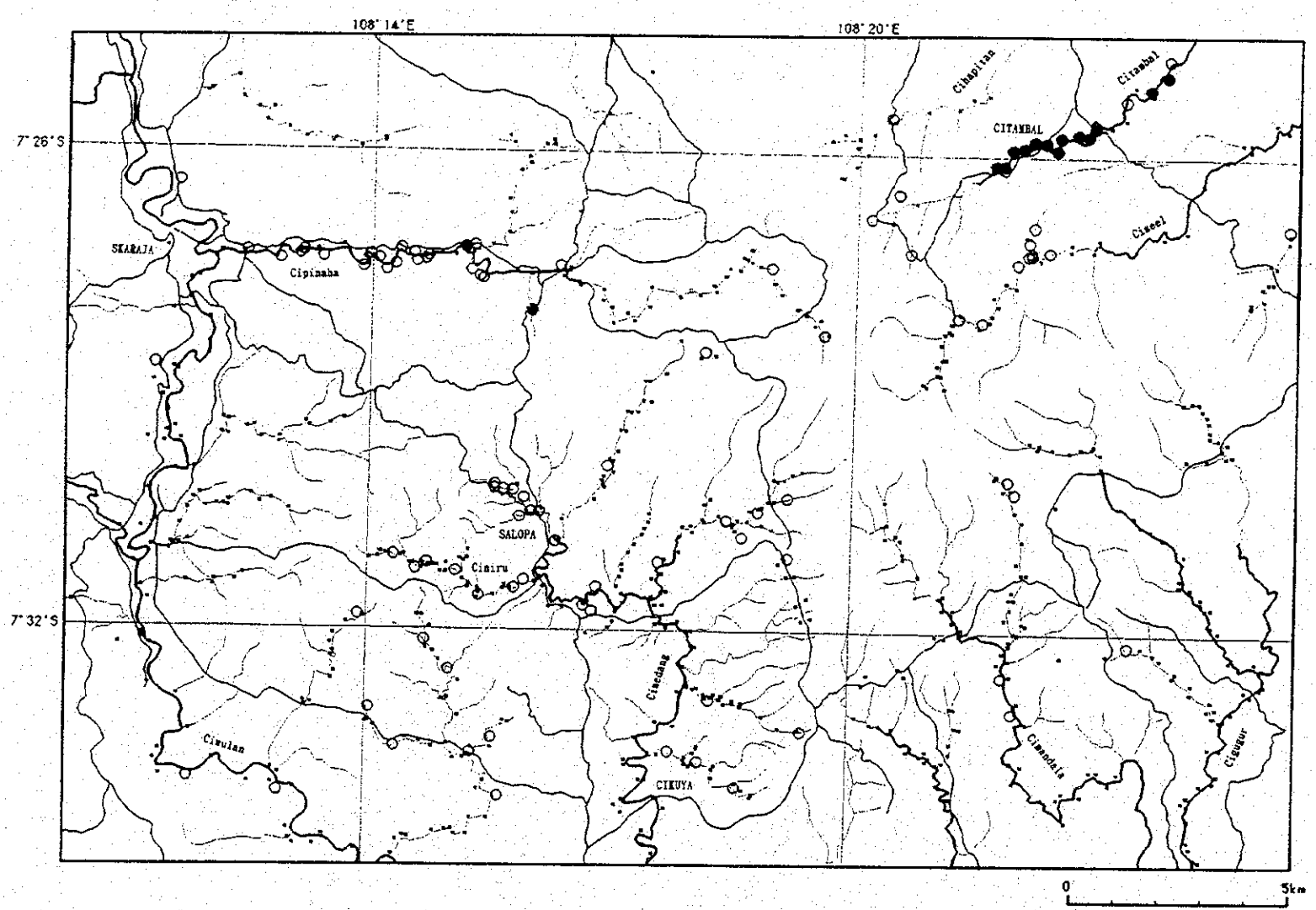
Ag

● >5.00ppm

○ >0.12ppm

· <0.12ppm

SALOPA AREA



Stream Sediment Geochemistry

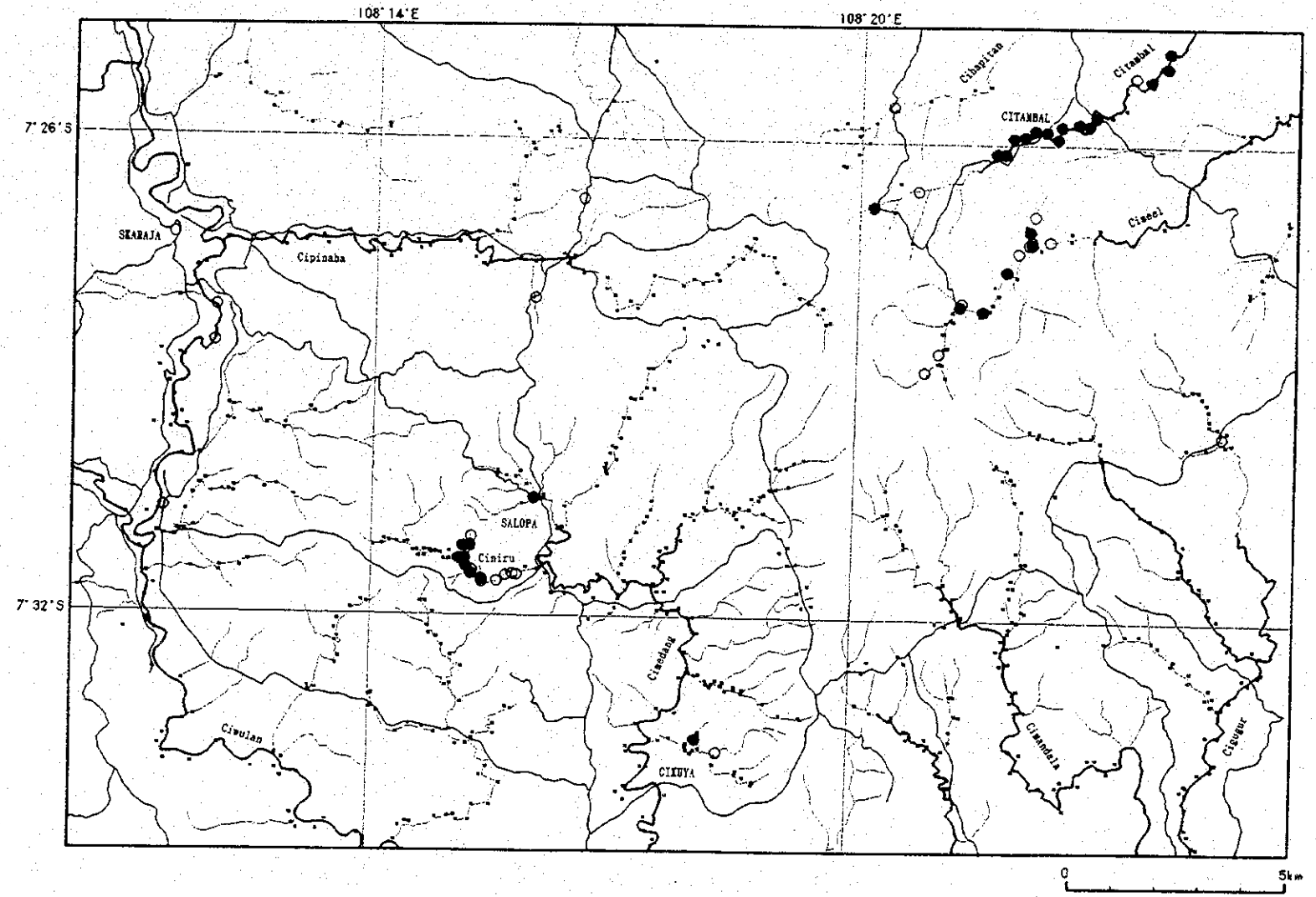
Cu

● >80.0ppm

○ >44.0ppm

· <44.0ppm

SALOPA AREA



Stream Sediment Geochemistry

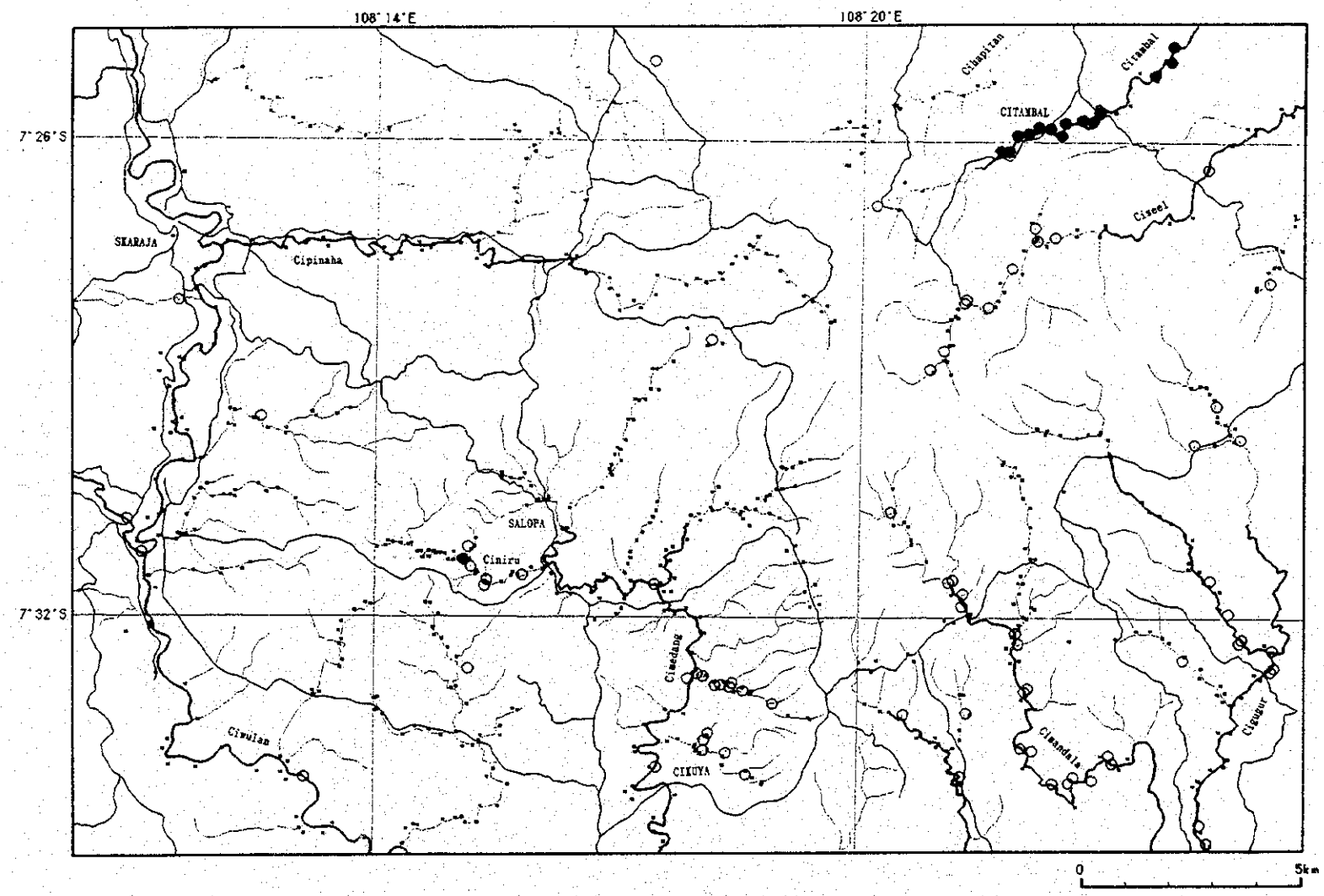
Pb

● >42.0ppm

○ >20.0ppm

· <20.0ppm

SALOPA AREA



Stream Sediment Geochemistry

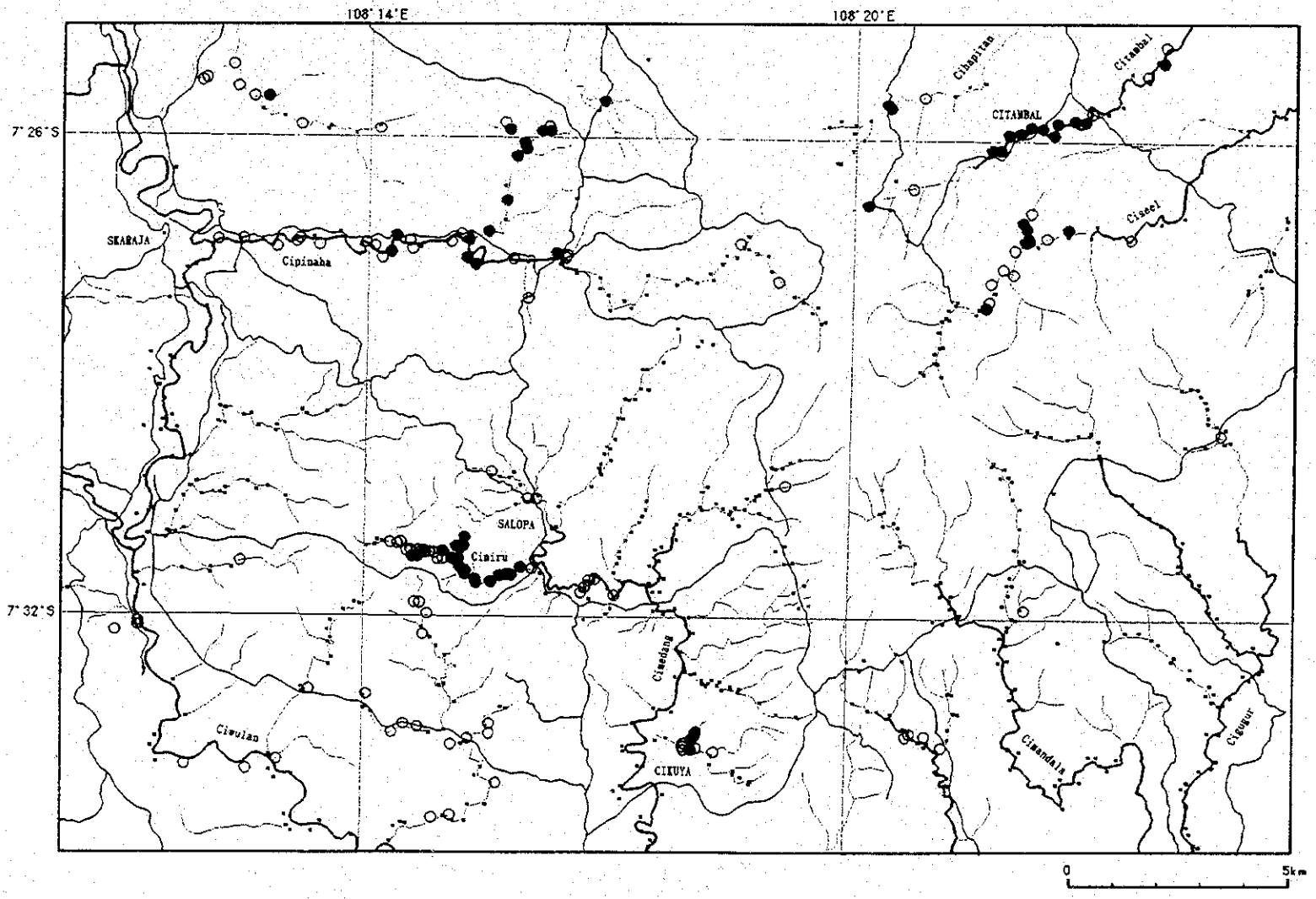
Zn

● >450ppm

○ >257ppm

• <257ppm

SALOPA AREA



Stream Sediment Geochemistry

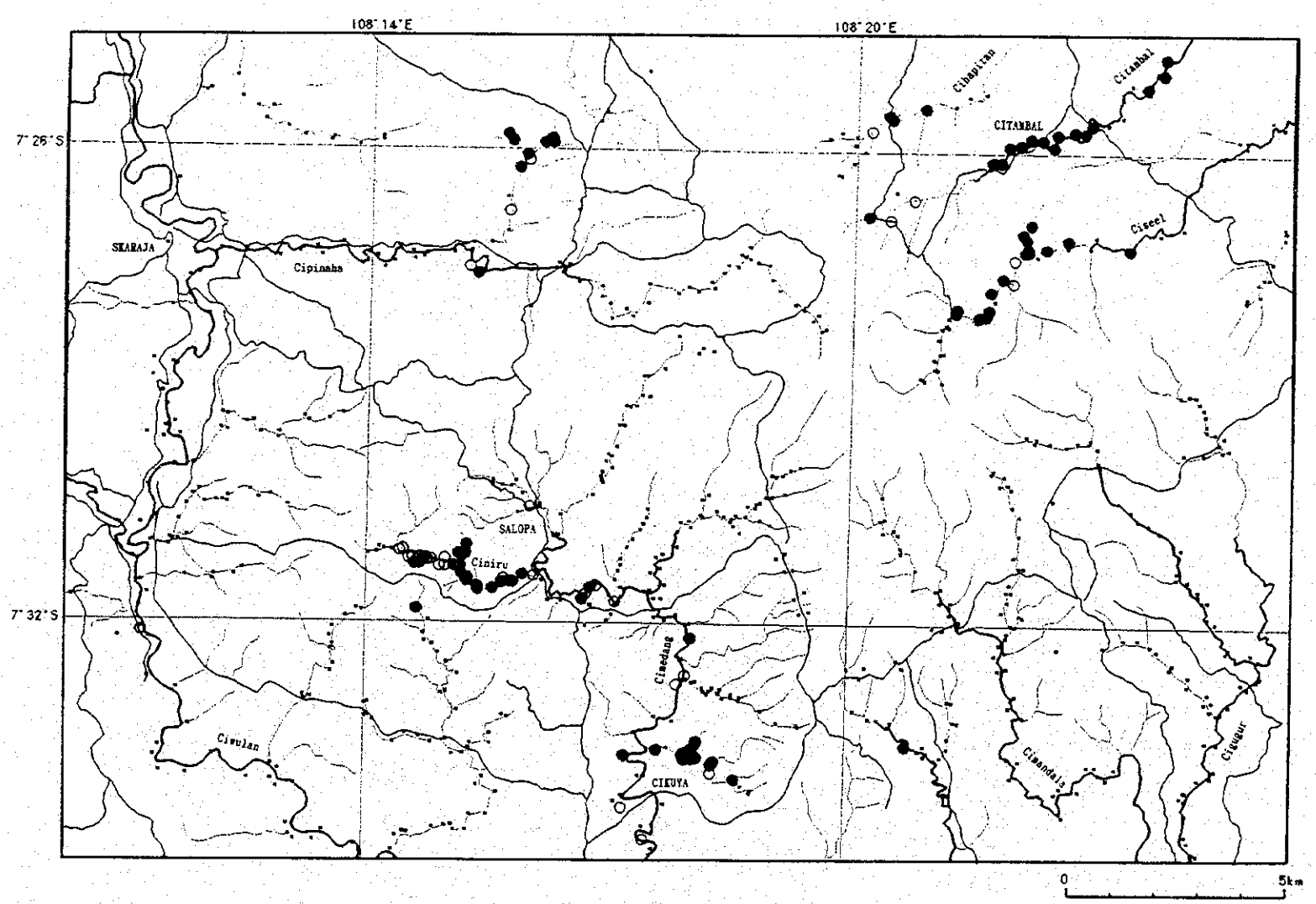
As

● >115.6ppm

○ >25.2ppm

• <25.2ppm

SALOPA AREA



Stream Sediment Geochemistry

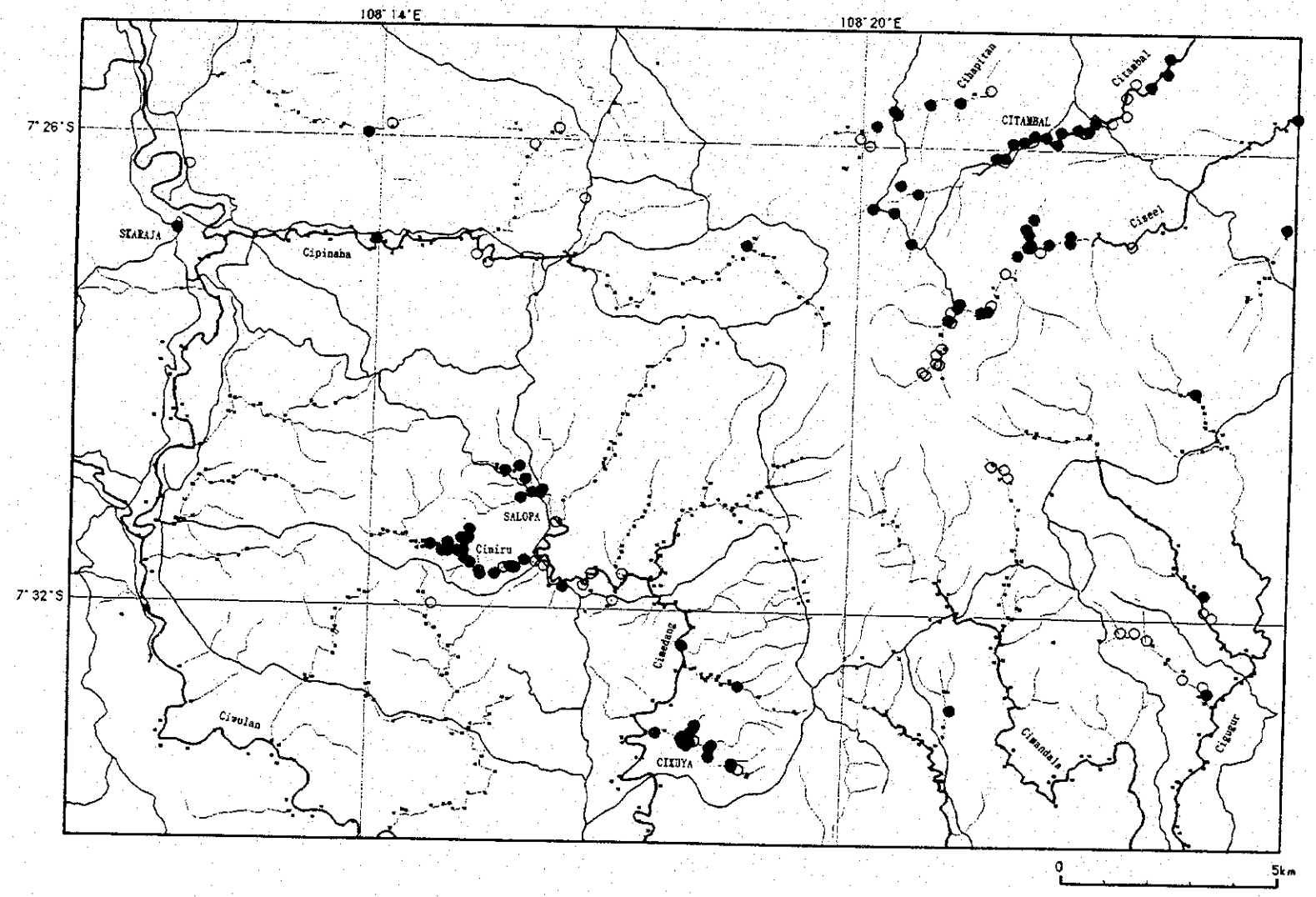
Sb

● >2.0ppm

○ >0.6ppm

· <0.6ppm

SALOPA AREA



Stream Sediment Geochemistry

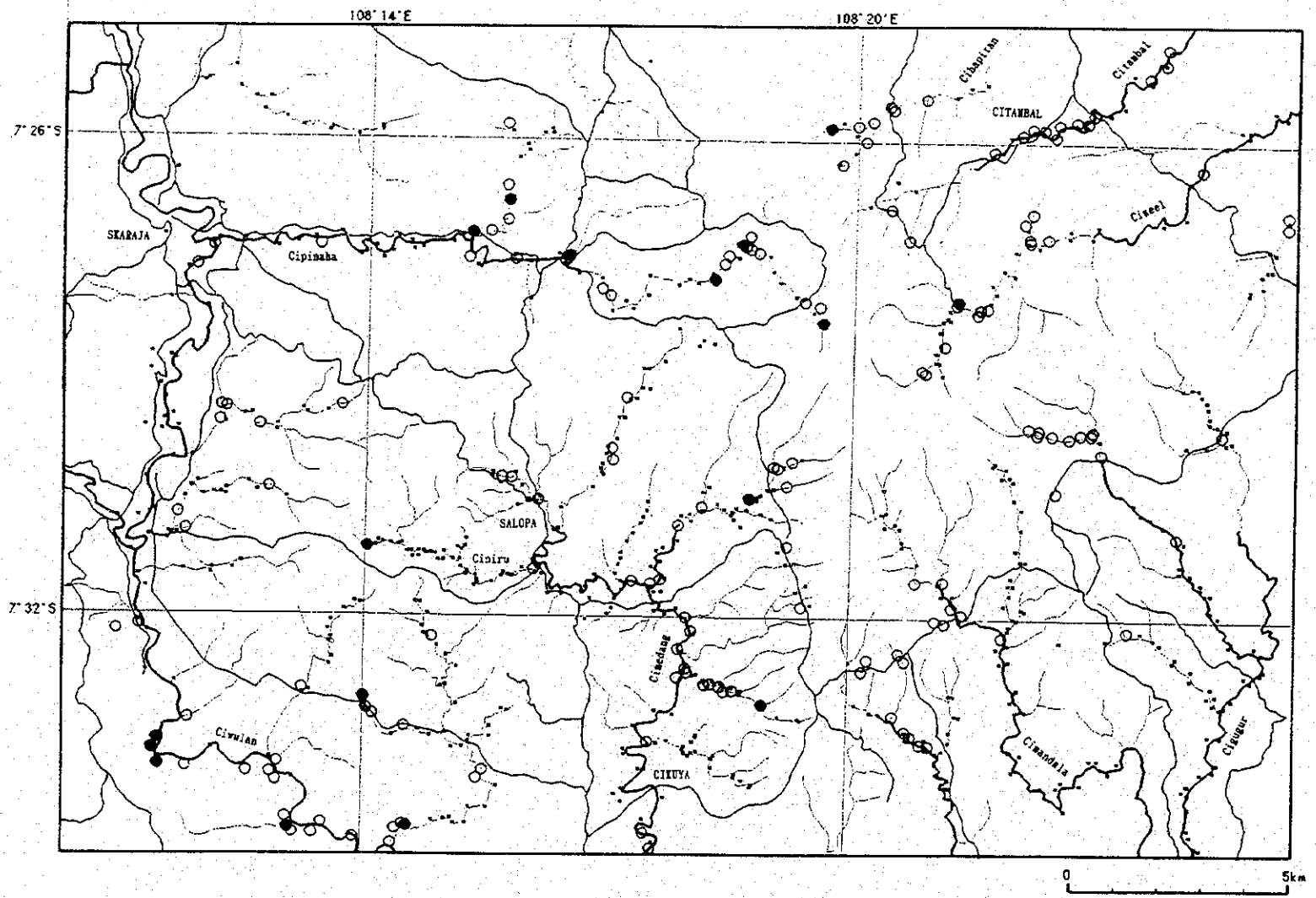
Hg

● >1.1ppm

○ >0.3ppm

• <0.3ppm

SALOPA AREA



Stream Sediment Geochemistry

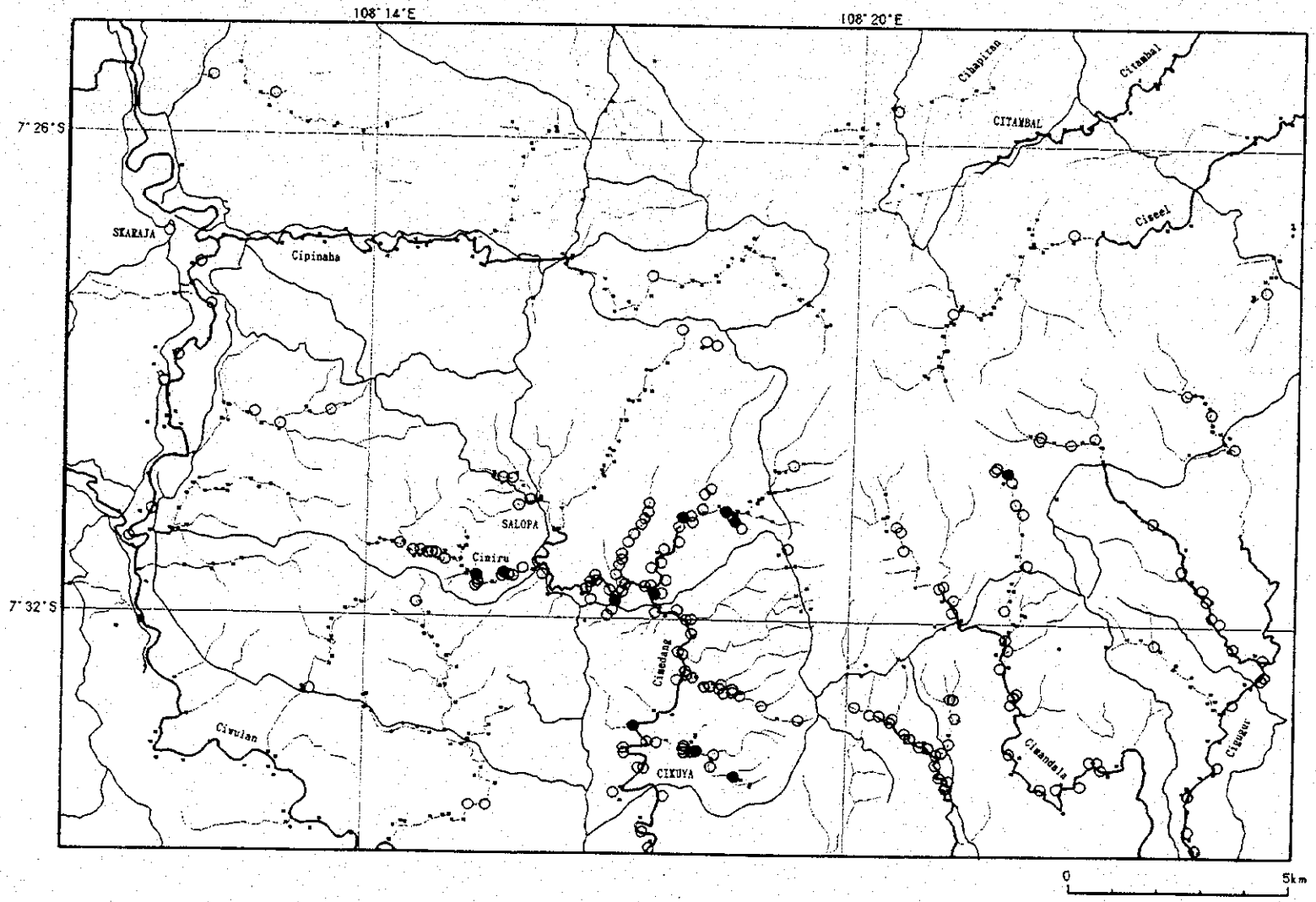
P

● >720ppm

○ >500ppm

· <500ppm

SALOPA AREA



Stream Sediment Geochemistry

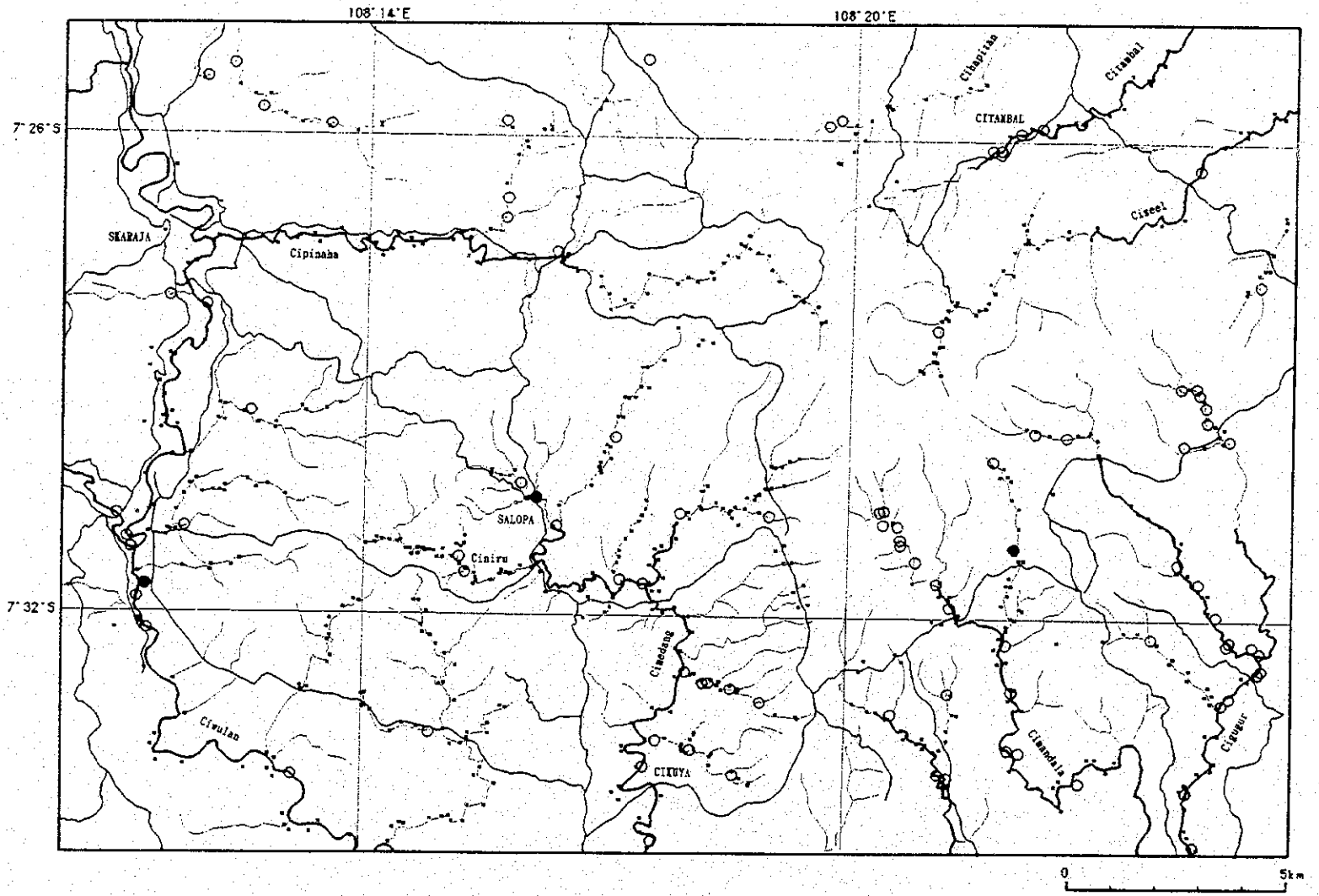
Cr

● >870ppm

○ >390ppm

· <390ppm

SALOPA AREA



Stream Sediment Geochemistry

Mn

● >3300ppm

○ >2200ppm

· <2200ppm