Table II-3-6 Statistical parameter of CO_2 gas chromatographic measurement.

Area	number of sites	maximun (%)	minimun (%)	geometric average (%)	standard deviation (logarithm)
Avondale	245	0.67	0.07	0.153	0.155
Shackleton	252	0.25	0.03	0.063	0.138
Norah	284	0.82	0.03	0.083	0.214
whole area	781	0.82	0.03	0.092	0.234

of air was inhaled, the reagent changes colour. The measurement is carried out to read the amount of reagent which turned the colour with working curve. The inhaled amount of air was 100 ml per one measurement. It took about 4 minutes to inhale the air.

3-2-3 Evaluation of Gas Chromatography Anomalies.

The high CO_2 gas concentrates within the soil in the exposing place of ore deposit than in the ordinary place is known (Rose et al.,1979, Lovell et al., 1983, Kravtsof and Reiman,1965). CO2 gas in soil generates by the growth of plants, decomposition of organic materials within the soil and activities of insects. Besides these organic effects, CO_2 gas is considered to generate by the reduction reaction of carbonate minerals and sulphide. Several CO_2 gas chromatography surveys just above ore deposits using the latter characteristics have been carried out for the ore deposit in the desert of Namibia and Alizona, the United State (anilova,1968, Dyck,1974). In this project, the same surveys were carried out in the three areas where occur different type of the ore deposits each other.

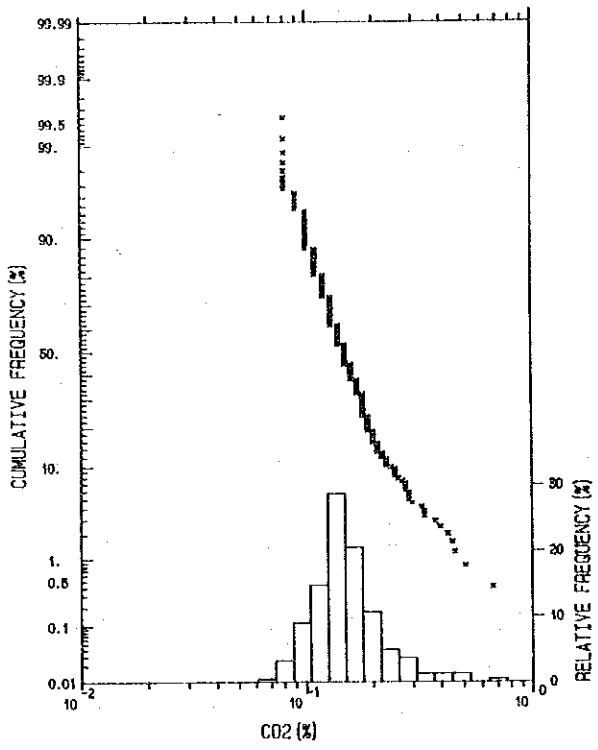
The basic statistics about the CO_2 gas measurement, and the distributions of the relative frequency and the cumulative frequency distributions are shown in Table II- 3-6 and Appendix A-9.

The description about the measurment is reported in the following:

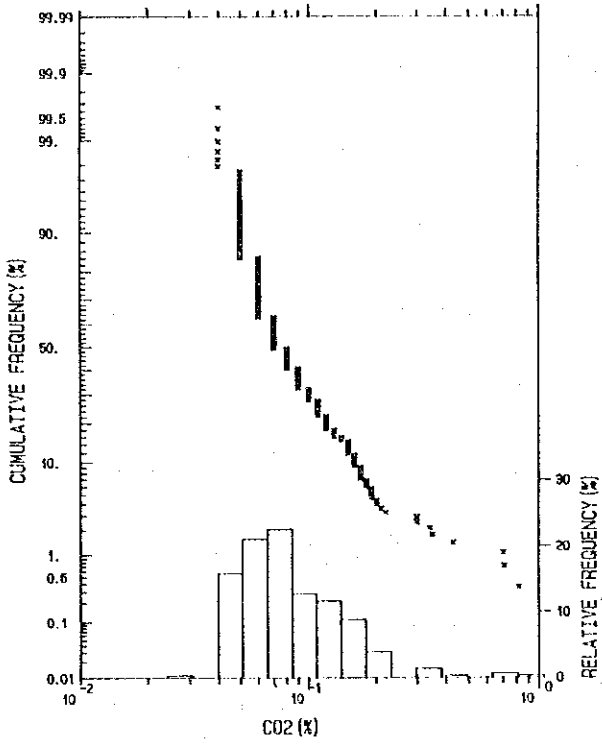
1. The Avondale area

The distribution of CO_2 gas concentration in soil in the Avondale area is shown in Fig.II-3-15.

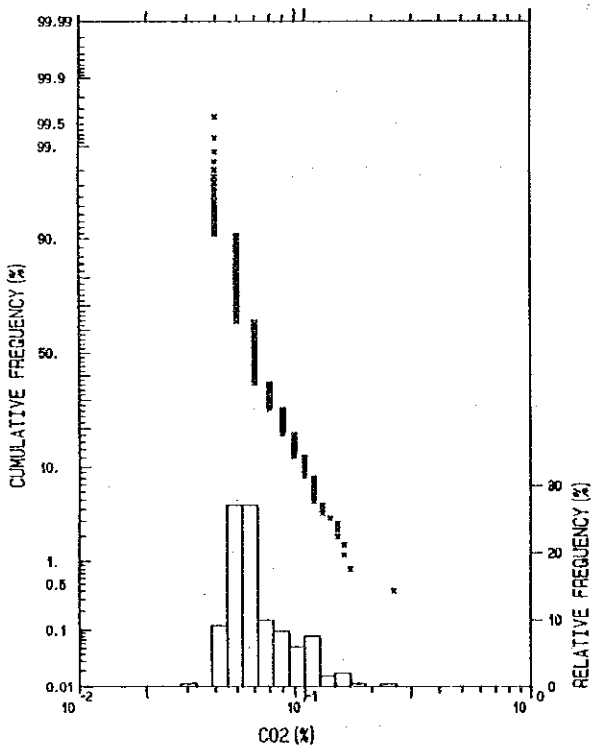
The Avondale area is located on the area where is considered to be the outcrops of the Avondale ore deposit by past survey. The western margin of the area is the Avondale vertical shaft. 20 survey lines were arranged from the direction of N20E which crosses at right angles to the strike of the ore



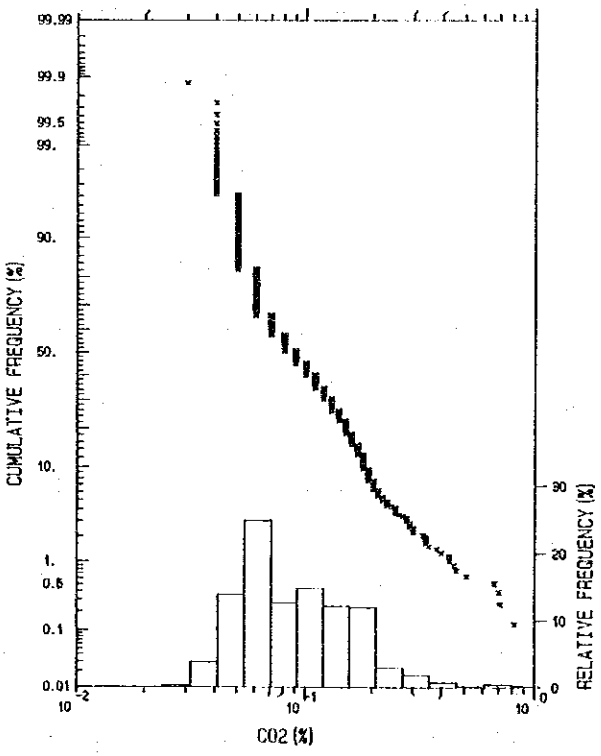
(a) Avondale area



(b) Norah area



(c) Shackleton area



(d) all

Fig.II-3-14 Frequency distribution and cumulative frequency of CO_2 concentration.

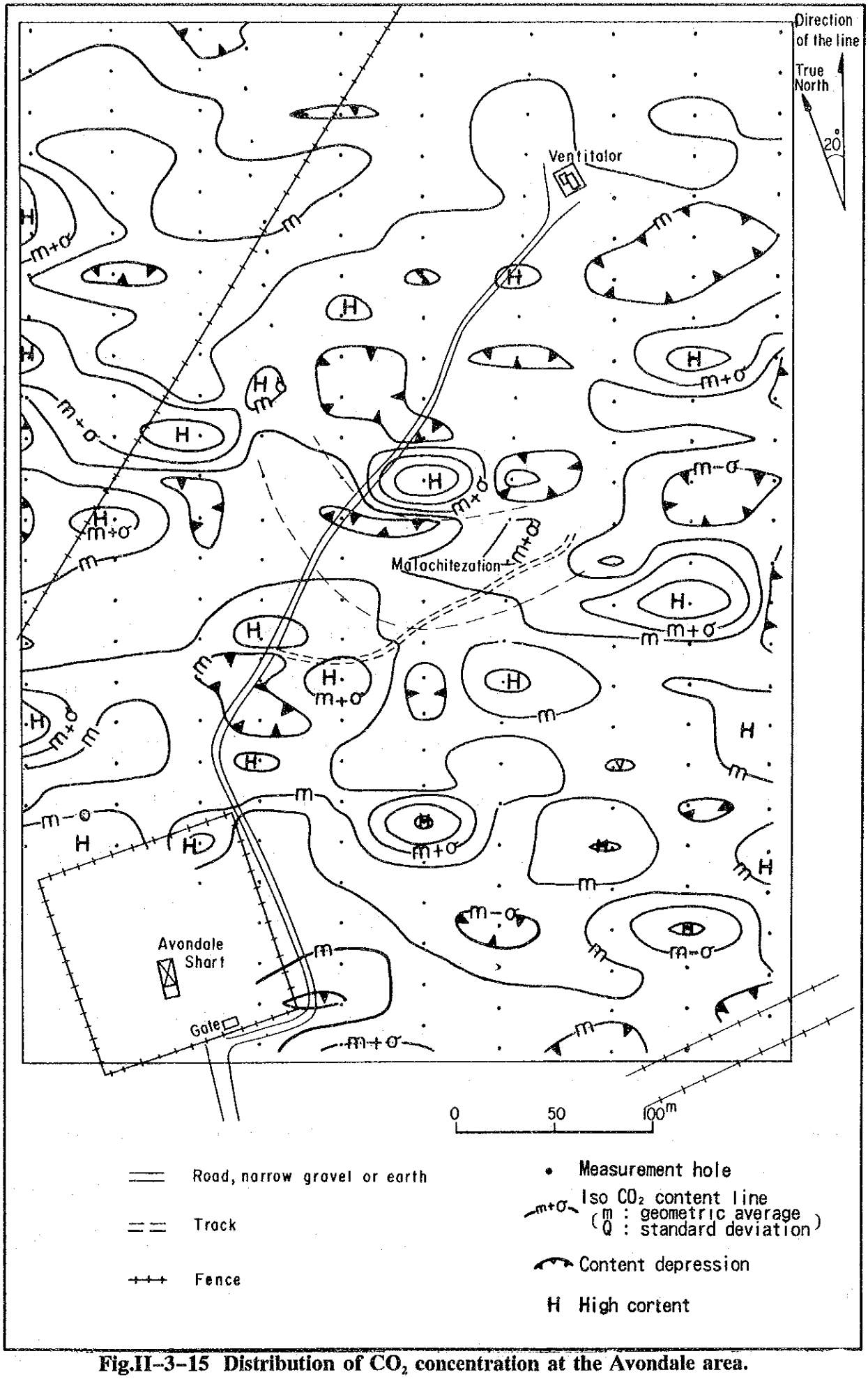


Fig.II-3-15 Distribution of CO_2 concentration at the Avondale area.

deposit. 245 stations on the survey lines were installed. The survey was carried out in the field covered by deciduous trees and grasses with little artificial changes. There are many anthills. The anthills which are about 30 cm high are scattered with the interval of several metres. Several anthills with nearly 1 m high are observed in the area.

CO_2 gas concentration of geometrical mean in soil in this area is 0.153 % which is generally higher comparing to the concentration in air. Several high concentration places with the maximum 0.67 % as halo were observed. As the high concentration places are not located in the high Cu concentration zone of the existing soil geochemical survey, it is difficult to consider that the high concentration is originated in high concentration anomaly accompanied with the mineralization. It is properly considered the CO_2 high concentration due to the underground activity of ants.

2. The Shackleton area

The distribution of CO_2 gas concentration in soil is shown in Fig.II-3-16.

The Shackleton area is located nearly 1km north west north from the Shackleton Mine. The survey lines were arranged from the direction of N8E which nearly crosses at the right angles to the Shackleton intrusives which have relationship to the mineralization of the ore deposit. Numbers of the survey lines and stations were 7 and 252, respectively. The area is flat corn field. The survey was carried out in bare field after harvest.

CO_2 gas concentration in soil of geometrical mean in this area is 0.063 % which is generally low. Some high concentration places as anomalies were spottedly observed on the Shackleton dyke (doleritic dyke). As the high concentration places are difficult to say to be significant comparing to the other high concentration places.

3. The Norah area.

The distribution of CO_2 gas concentration in soil is shown in Fig.II-3-17.

The Norah area is located nearly 0.5 kilometres south from the Norah Mine. The direction of survey lines were arranged from the direction of N8E. Numbers of the survey lines and stations were 6 and 282, respectively. The area is flat corn field. Thick reeds with about 100 metres in width are spotted.

CO_2 gas concentration in soil of geometrical mean in this area is 0.083 % which is generally low. The high concentration zone with the maximum 0.82 % were distributed in the above place with thick reeds. The high concentration zones are considered not for the mineralization, but due to decomposition of organic matter deposited at the place.

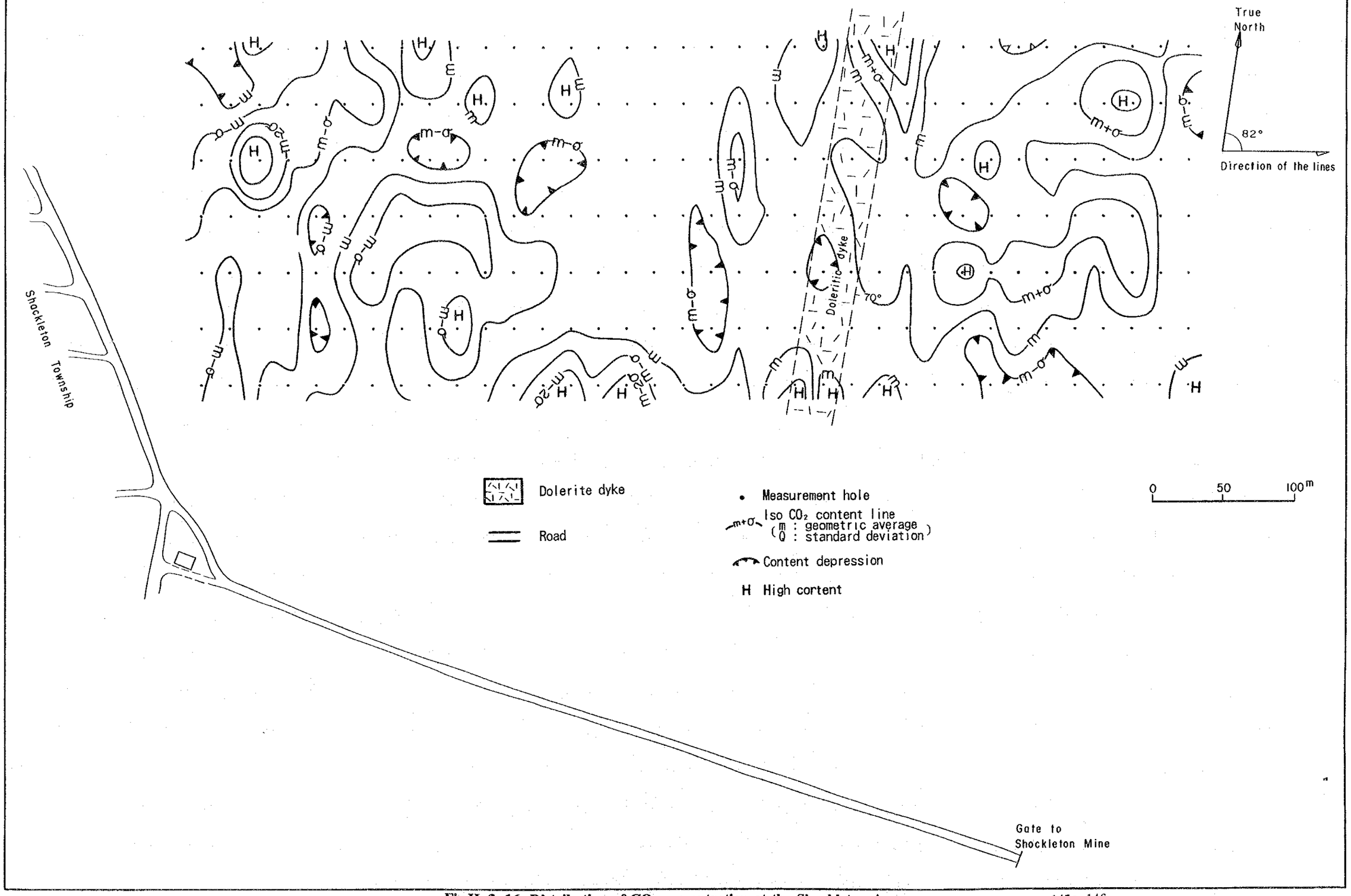


Fig.II-3-16 Distribution of CO_2 concentration at the Shackleton Area.

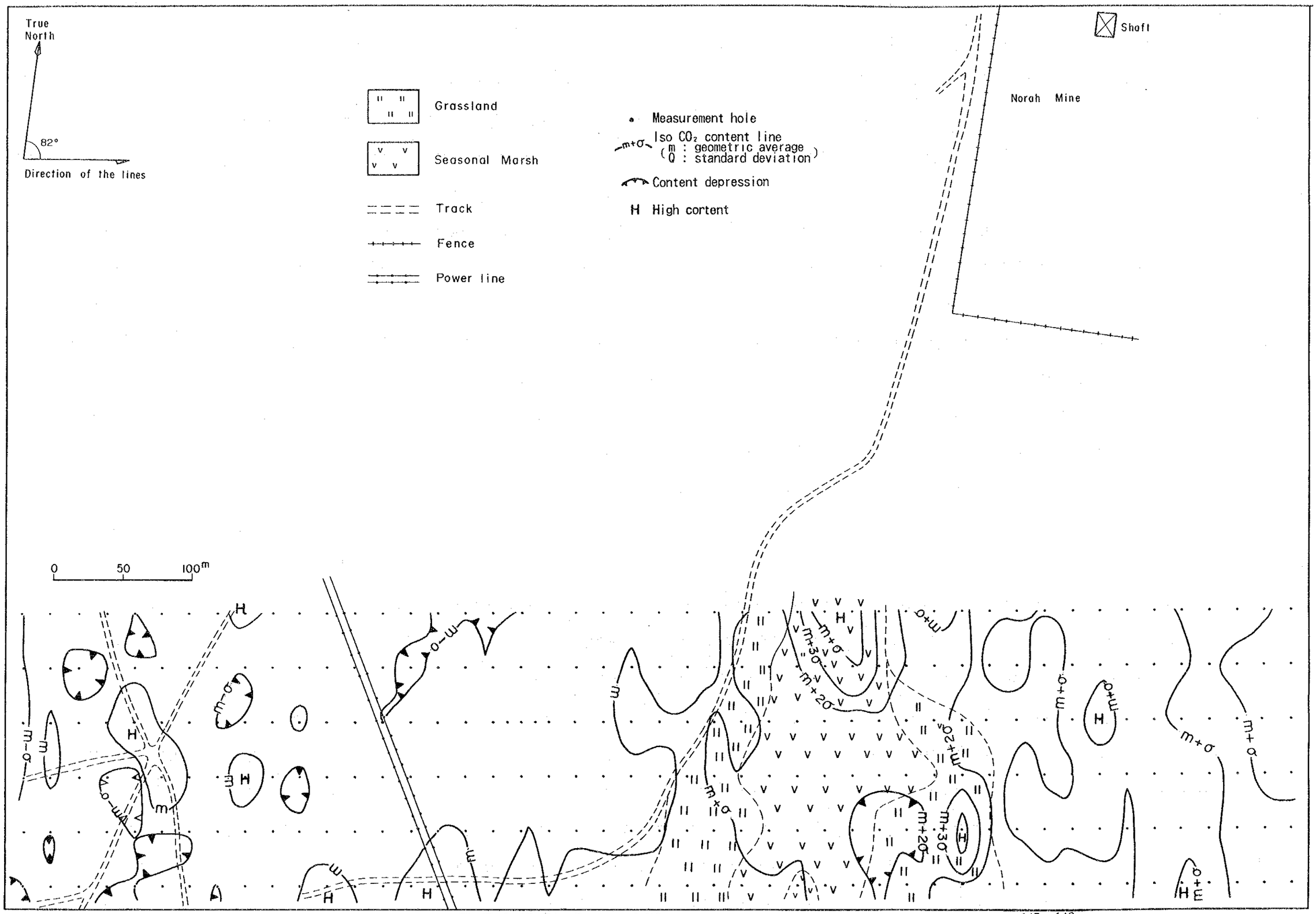


Fig.II-3-17 Distribution of CO_2 concentration at the Norah area.

Part III Conclusion and Recommendation

Part III Conclusion and Recmmendation

Chapter 1 Conclusion

The literature search, the geological survey and the geochemical survey were carried out in this fiscal year as the Phase I of this project.

The literature search : There are publications of the GSD such as the Geologic Maps and the Geomagnetic Chart, theses of the University of Zimbabwe and E.P.O.s' reports. The compiled geological map was made based on these data.

The geology of this area consists of the basement which includes gneiss, granites, green rocks and siliceous rocks of Archaean, sedimentary rocks, volcanic rocks and intrusive rocks of proterozoic period, Triassic sedimentary rocks and Quaternary sediments in ascending order.

The existing main ore deposits are copper ore deposits. 9 copper mines were developed in the survey area and 4 mines such as the Angwa Mine, the Shackleton Mine (Avondale ore deposit), the Mangula Mine and the Norah Mines Mine are worked at present.

On the works for mineral resources, 30 surveys under E.P.O.s were conducted. The soil geochemical surveys for copper element were mainly carried out. As the results of these surveys, 54 places with Cu anomalies in the distributed areas of sedimentary rocks were extracted. Particularly, wide Cu anomalies are recognized in the area from the southern part of the Alaska Smelter through the southern part of the Hans Mine to Kenilworth. These geochemical surveys were carried out for Cu analysis. Analyses of other chemical elements were partly carried out, however, regional multi component analyses have not been carried out.

Geological survey : Field reconnaissance was carried out based on the compiled geological map, and the geological map was revised.

The sedimentary rocks of proterozoic period in the survey area have the characteristic of extension of the rift valley. They are composed of the Deweras Group which consists of conglomerate, arkose and basalt lava, the Lomagundi Group which consists of dolomite, quartzite and pelitic rocks, and the Piriwiri Group which consists of phyllite, greywacke, graphitic slate and quartzite.

The known ore deposits in this area are strata bound copper ore deposits and vein type ore deposits occurring within the Deweras Group and the Lomagundi Group which are continuously distributed from the north to the south in the central part of this area.

The surveys of mines and mineralization zones were carried out for the mineralization zones such as the Hans, Angwa, Old Alaska, Shackleton, Avondale, Norah, Miriam and Shamrocke ore deposits (they are the strata-bound copper ore deposits), the United Kingdom ore deposit (vein type ore deposit) and other mineralization zones which were detected by the field reconnaissance.

The characteristics of the strata bound disseminated copper ore deposits in the survey area are as

follows :

1) The ore deposits mainly occur within the Deweras Group, however, the Old Alaska Mine and the Shamrocke Mine occur within the Lomagundi Group.
2) the country rocks of the ore deposits consist of arkose to conglomerate just under the pelitic rock which form the sedimentary cycle of arkose with grading, cross-bedding and pelitic rock with evaporite layer.
3) The main ore minerals are bornite, chalcocite and chalcopyrite with minor covelline, magnetite and hematite as accessory minerals.
4) Occurrence of the ore minerals are dissemination type among particles of grains of country rock, and partly accompanies with small vein.
5) Near the surface, the ore deposit forms oxidized zone which mainly consists of malachite and covelline.
6) On the grade of ore specimens analyzed by this survey, Au is 0.01 to 0.5 % except more than 1 % in a part of the thin vein. Ag is 1 to 30 g/ton except more than 60 g/ton in the part of the thin vein. Cu is within the range of 0.01 to 3.5 %.

The process of the mineralization of the ore deposits are considered as follows :

1) The Deweras Group was formed by the repeated sedimentation of porous rocks such as conglomerate to arkose and fine grained pelitic rocks partly with evaporites according to extension of the rift valley.
2) Folds, fault zones and fracture zones were formed by a orogenic movement.
3) Ore solution ascent through the fault zones or the fracture zones, and selectively passed within the porous rocks along the anticline axis. Fine-grained pelitic rocks became the cap rock at that time.
4) In this process, copper sulphide precipitated to form dissemination type and thin vein type.
5) Present shape of ore deposit was formed by the effect of fold and fault after ore depositions.

The measurement of physical properties of rocks and ore samples which were sampled by the outcrops and in the underground of the mines were carried out in order to obtain the data for the geophysical survey. The measurement items are resistivity for 0.3 Hz and 3 Hz of frequency, chargeability and spectral IP (SIP).

Results of measurement are as follows :

1) Possibility of effect to the resistivity by sulphide mineralization is little.
2) The chargeability of arkoses of the Deweras Group show high IP from 5 to 18% according to the grade of copper.
3) The chargeability of Mineralized dolerite and amphibolite shows high IP from 4 to 10% according to progress of mineralization.

4) The chargeability of non-mineralized rocks and oxidized ore specimens shows low IP from 1 to 3%.
5) Although graphitic slate shows high IP of approximate 10 %, the distribution is not recognized within the Deweras Group. Therefore, the graphitic slate can not be interruption factor of IP survey.
6) Judging from the spectral characteristics, variety of the phase differences in sulphide ore samples and other rock specimens are observed.

From the above facts, the chargeability method (e.g. IP survey) which detect the difference of the sulphide mineralization from the others are more expectative in case of application of the geophysical survey in this area.

Geochemical surveys : 3,676 samples were collected mainly in the Deweras Group in the area of 919 square kilometres, including the Alaska area, the Umboe area, the Mangula North area and the Shamrocke area based on the occurrence of main ore deposits within the Deweras Group.

The analyses of Cu, Ag, Au, Pb, Zn, Fe, Co, Ni, As and Hg were carried out, and univariate analysis and multivariate analyses were also carried out.

In comparison of univariate analysis and geology, the distribution of Cu anomaly places are classified into corresponding to mafic rocks, and originating in the initial copper mineralization.

The anomalies of Au, Ag, As and Hg does not show characteristic distribution. The reason is considered that many of the samples contain the above elements less than detection limits.

Fe anomalies correspond to the distribution of original rocks, and it has tendency of increasing from slate of the Lomagundi Group, arkose of the Deweras Group, dolomite of the Lomagundi Group and mafic rocks.

The high anomalies of Pb, Zn, Co and Ni correspond to distribution of mafic rocks.

The principal component analyses were carried out for ten elements of Cu, Pb, Zn, Fe,Co, Ni, Au, Ag, As and Hg, and for the 6 elements except Au, Ag, As and Hg from the above 10 elements.

The factor loadings of the 1st principal component for ten elements has positive relationship to all the elements. This component shows general concentration of metals. The 2nd to 5th principal components express that many samples contain Au, Ag, As and Hg less than the detection limits. The 6th principal component has positive relationship to Au and Pb contents.

The 1st principal component for 6 elements shows the same tendency of the 1st principal component for ten elements. The 2nd and 3rd principal components have high positive correlations with Ni and Pb. The factor loadings of the 4th principal component have positive correlations with Cu, Pb and Ni and the negative correlations with Zn, Fe and Co. It is possible to extract the Cu mineralization from Cu anomalies using of the 4th principal component for 6 elements.

The interpretation maps of the soil geochemical survey are shown Fig.III-1-1 to Fig. III-1-3. The

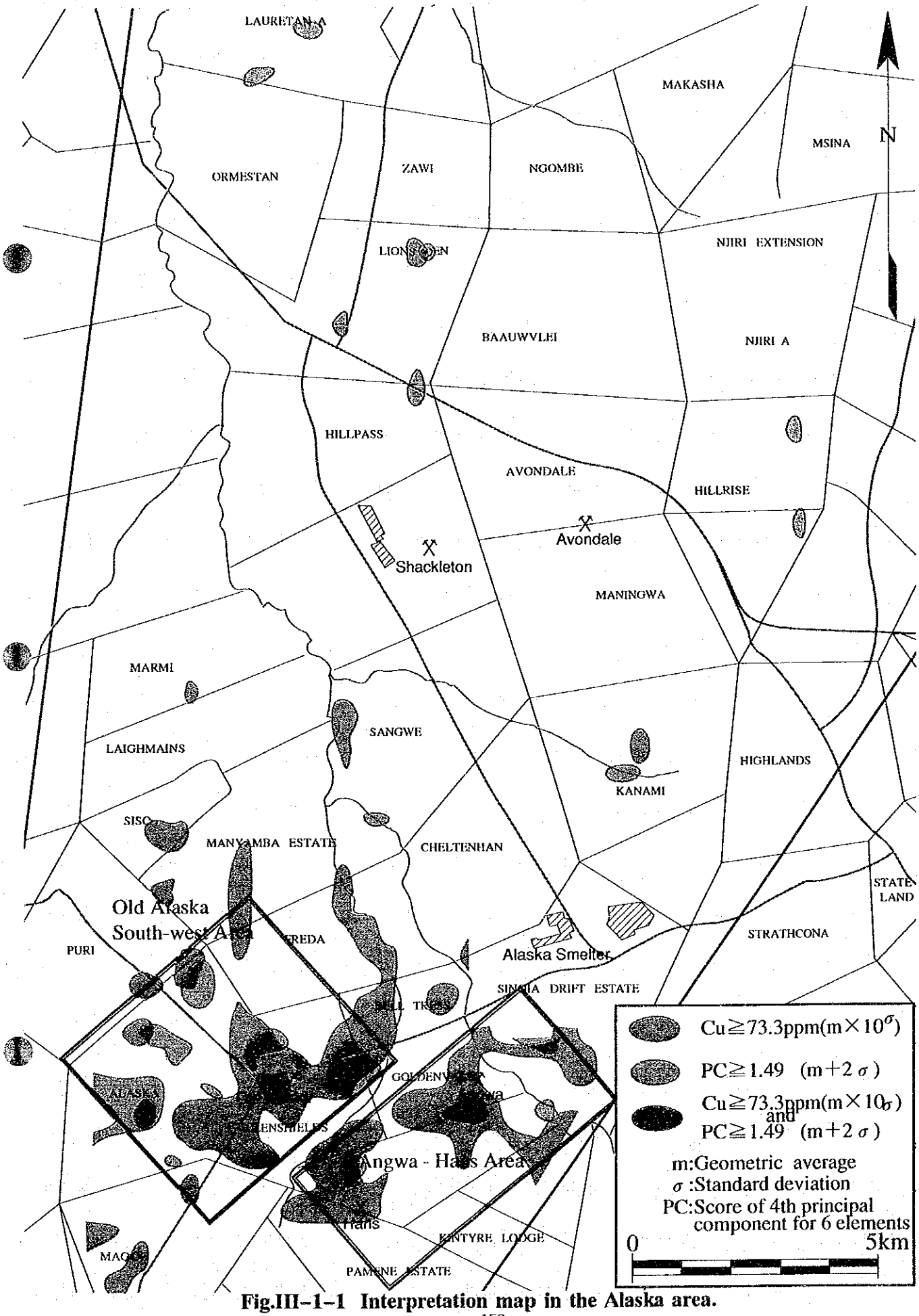


Fig.III-1-1 Interpretation map in the Alaska area.

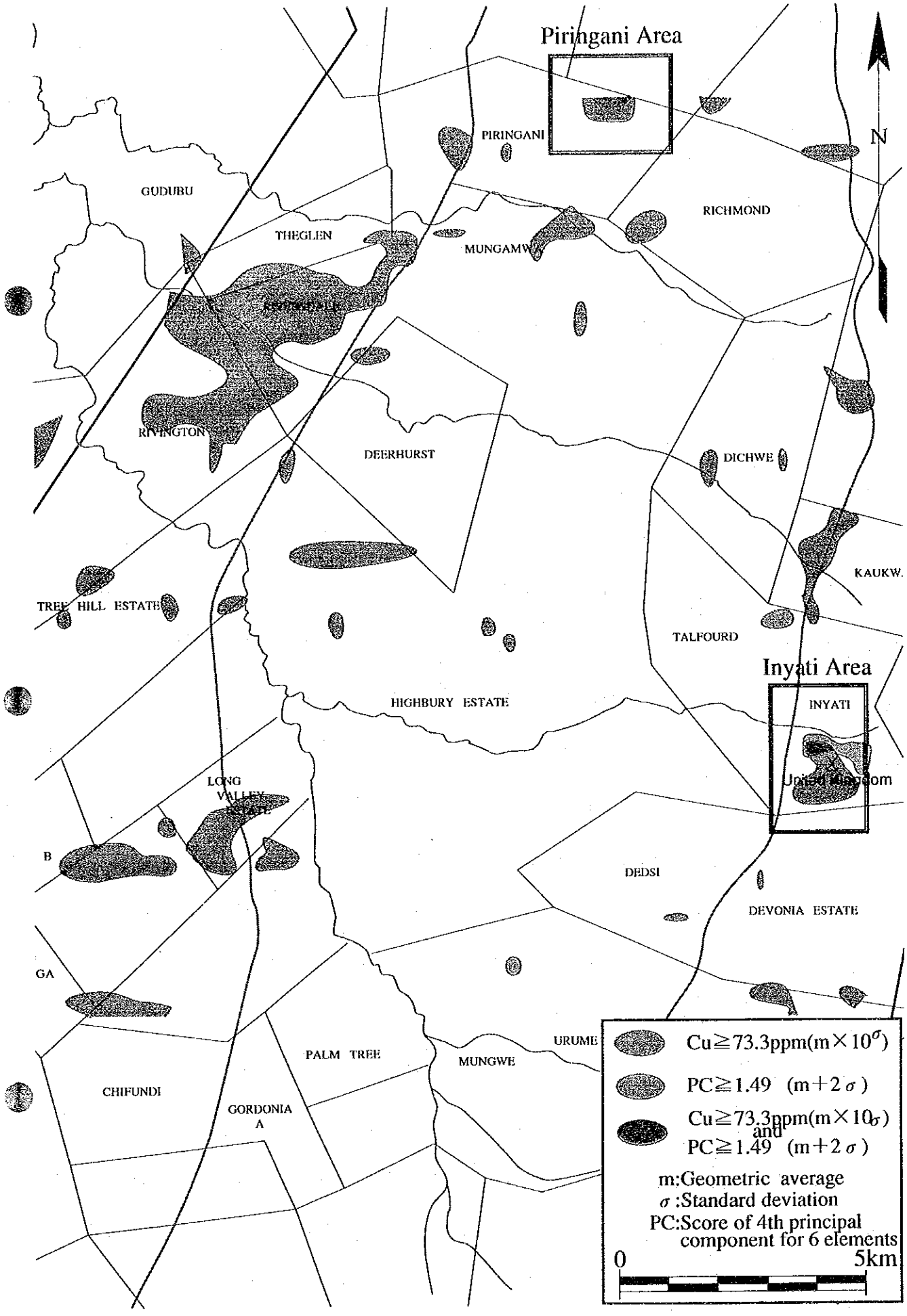


Fig.III-1-2 Interpretation map in the Umboe area.

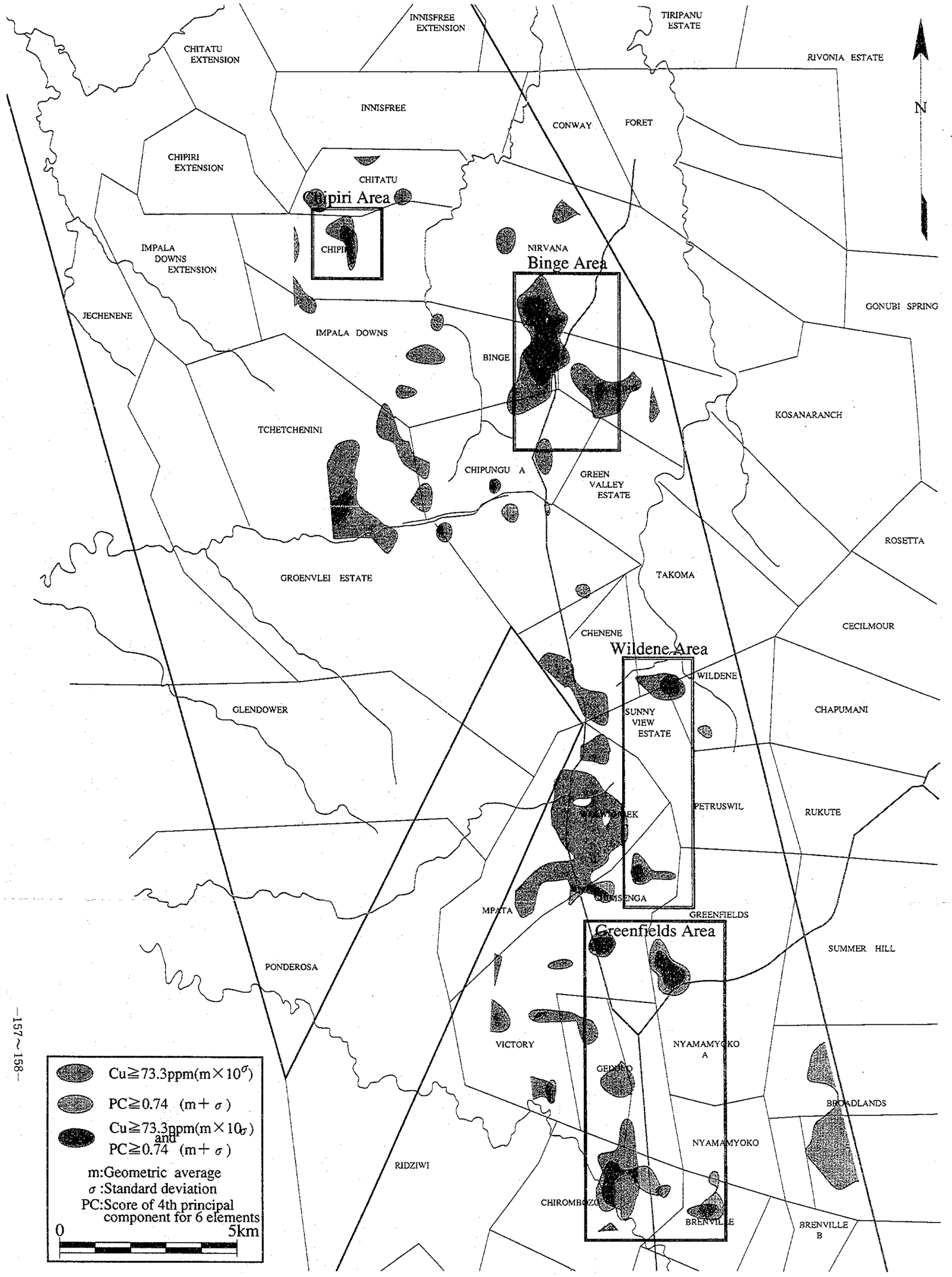


Fig.III-1-3 Interpretation map in the Mangula North area.

standard of judgement to extract the soil geochemical anomalous places accompanied with mineralization are as follows :

1) The high anomalous places for the only one component of Cu.
2) The high scored area of the 4th principal component for 6 elements.

The following places are extracted as the soil geochemical anomalous areas ;

1) The Angwa to Hans area
2) The south-west Old Alaska area
3) The Inyati area
4) The Piringani area
6) The Greenfields area
5) The Wildene area
7) The Chipiri area
8) The Binge area.

Within the above areas, as the Angwa to Hans area, the south-west Old Alaska area, the Pringani area, the Greenfields area, the Wildene area and the Chipiri area are located in the distributed area of the Deweras Group, the capability of the anomalies due to strata bound copper ore deposit is high. The anomalies of the Inyachi area due to strata bound copper ore deposit and vein type ore deposit are considered, because of the existence of the United Kingdom Mine. Although the Binge area is located in the distribution area of the basement rocks, the marked anomalies are recognized in the Binge area. It is necessary to verify about the geology and mineralization around the above these anomalous areas.

As regards CO_2 gas geochemical survey, the following studies were carried out :

1) Comparison of the results of the gas chromatography to the sub-outcrops of the Avondale ore deposit (in the Avondale area).
2) Verification of the result of the gas chromatography to mafic dyke (the Shackleton area).
3) Comparison of the result of the gas chromatography to presumed southern extension of the Norah Mine (the Norah area).

As the result of the survey, most of the CO_2 values of the gas chromatography finally reflect the animals and plants of the surface. As the reason is considered that the sulphide contents of ore deposits in this area are originally low, the results of CO_2 gas chromatography was strongly affected by the effects of the animals and plants.

Chapter 2. Recommendation for the Phase II

The following recommendation are proposed based on the results and examination of the phase I.

The survey areas are the following expectative geochemical anomalous areas where were selected by this survey.

1) The Angwa to Hans area
2) The south-west Old Alaska area
3) The Inyati area
4) The Piringani area
5) The Greenfields area
6) The Wildene area
7) The Chipiri area
8) The Binge area

The method to be applied are as follows :

1. The detailed data analyses:

The detailed analysis of soil geochemical analyses data of the target area which are kept in the ZMDC must be carried out in addition to the data which were examined in this survey.

2. Detailed geological survey

Detailed geological survey including trenching must be carried out in order to study the situations of the mineralization and geological structure of the target area.

3. Geophysical prospecting

Geophysical prospecting by the difference of the chargeabilities of rocks from ore samples must be carried out in order to study the possibility of occurrences of ore deposits in the target area.

4. Drilling

Drilling in the most expectative sites based on the detailed data analyses, detailed geological survey and geophysical survey must be carried out in order to recognize the situations of occurrence of ore deposits.

References

References

Anon (1961) : Mangula Copper Mine. Part I : Geology. Rhod. Mining Engineering, Vol. 26, p. 34–39.

Anon (1962a) : Removal of the oxide cap at Mangula. Rhod. Chamber of Mines Journal, Vol. 4, p. 37, p. 62.

Anon (1962b) : Mines History No. 28, Alaska. Rhod. Chamber of Mines Journal, Vol. 4, p. 32–36.

Anon (1967) : Mines History No. 53, Mangula. Rhod. Chamber of Mines Journal, Vol. 9, p. 35–41.

Bond, G. and N.W. Bliss (1964) : Recent discoveries of stromatolites in the dolomites of the Lomagundi System, Southern Rhodesia. Abst. South Africa Geol. Soc. 7th Ann. Cong. , Salisbury, p. 63.

Cahen and Snelling, N. J. (1984) : The geochronology and evolution of Africa. Oxford Univ. Press, Oxford.

Chenjerai, K.G. (1988) : A preliminary report on the geology north of Chenenga. Ann. Zim. Geol. Surv. XIII, p. 1–6.

Clifford, T.N. (1970) : African magnetism and tectonics: Edinburgh, Oliver and Boyd, 461pp.

Clifford, T.N. , D.C. Rex and N.J. Snelling (1967) : Radiometric age data for the Urungwe and Miami granites of Rhodesia. Earth Planet. Sci. Letters. , Vol. 2, p. 5–12.

Cooper, M.R. (1978) : The sedimentary environment of the Deweras Group in Rhodesia. Nature, 272, p. 810–812.

Danilova, T.R. (1968) : Geology and geochemistry of natural as in Talnakh deposit of copper– nickel ore. Int. Gel. Rev. , 10. 644–647.

Degens, E.T. and G. Kulbicki (1973) : Hydrothermal origin of metals in some East Africa Rift Lakes. Mineral. Deposita, vol. 8, p.308–404.

Dyck, W. (1974) : Gases and their relevance to mineral exploration. Geol. Suev. Can. Paper. 74–1A, 61; 74–1B, 57–59.

Fey, P. and Broderick, T. J. (1990) : Explanation of the geological map of the Country East of Makuti, Urungwe district. Zimbabwe Geol. Survey Short Rep. , No. 47, 84 pp.

Hahn, L. and L. Steiner (1990) : Geology and mineral prospecting in the Makonde and Guruve districts, Zimbabwe. Unpub. rep. of BGR Hannover, 213 pp.

Hamilton, P.J. (1977) : Sr isotope and trace element studies of the Great Dyke and Bushveld mafic phase and their relation to early Proterozoic magma gneiss in southern Africa. J. Petrol. , vol. 18, 24–52.

Jacobsen, J.B.E. (1965) : Observations on mineral deposits of the Lomagundi and Urungwe Districts, southern Rhodesia. Trans. Geol. Soc. S. Afr. , vol. 68, p. 1–12.

Kirkpatrick, I.M. (1976) : The geology of the country around Tengwe, Lomagundi district. Rhodesia Geological Survey Bull. , No. 75, 176pp.

Kyle, D.L. (1972) : The geology of the Shamrocke Mine and surrounding area, Rhodesia. Unpublished

M. Sc. thesis Rhodesia Univ. , 164pp.

Lepeliter, C. (1969) : A simplified statistical treatment of geochemical data by graphical representation.

Leyshon, P.R. and F.P. Tennick (1988) : The Proterozoic Magondi Mobile Belt in Zimbabwe – a review. S. Afr. J. Geol. , Vol. 91, p.114–131.

Loney P.E. (1968) : The amphibolite problem in the Kariba District, Rhodesia. Res. Inst. Afr. Geol., 12th Ann. Rep. , I (c) , 9–11.

Loney P.E. (1969) : The Geology of the Kariba District Rhodesia, with special reference to geochronology and amphibolite petrochemistry. Unpublished Ph. D. thesis, Univ. Leed.

Lovell, J.S. , M. Hale and J.S. Webb (1983) : Soil air carbon dioxide and oxygen measurements as a guide to conccaled mineralization in semi–arid and arid regions. Jour. Geochem. Explor. , 19, p. 305–317.

MacGregor, A.M. (1931) : The geology of the country around the Norah, Molly and Umboe copper claims, Lomagundi District. S. Rhod. geol. Surv. Sort Rep. No. 25, 10pp.

Maiden, K.J., A.H. Innes, M.J. King, S. Master and I. Pertitt (1984) : Regional controls on the localization of stratbound copper deposits: proterozoic examples from southern Africa and south Australia. Precambrian Res. 25, 99–118.

Martignole, J. (1979) : Charnockite genesis and the Proterozoic crust. Precambrian Res. , Vol. 9, 303–310.

Master, S. (1989) : Sedimentology and copper mineralization of metamorphosed early proterozoic playa complex: Norah formation of Deweras group, Zimbabwe. 28th IGC (in WashingtonD.C., USA) Abstracts, vol 2, p. 384.

Master, S. (1990) : Oldest evaporites in Africa: 2. 06 Ga continental playa deposit of the Deweras group, Zimbabwe. 15th Colloquium of African Geology Abstracts, p. 103.

Master, S. (1991) : Stratigraphy, tectonic setting, and mineralization of the early proterozoic Magondi supergroup, zimbabwe: a review. in Precambrian Sedimentary Basins of Southern Africa (compiled by P. G. Eriksson) . TERRA Nova vol. 3, p. 21.

Morrison, E.R. (1974) : Exclusive Prospecting Orders No. 1–250. Rhodesia Geological Survey Bull. No. 72. 254pp.

Morrison, E.R. (1975) : Exclusive Prospecting Orders No. 251–400. Rhodesia Geological Survey Bull. No. 74. 184pp.

Morrison, E.R. (1978) : Exclusive Prospecting Orders No. 401–500. Rhodesia Geological Survey Bull. No. 82. 117pp.

Mhangura Copper Mines Limited (1991) : Annual Report 1991. p. 1–16.

M.T.D. Mines and Prospects. (1960) : Mangula and Umkondo Copper Mines. Rhod. Mining Engineering, Vol. 25, p. 43–44.

Newham, W.D.N. (1986) : The Lomagundi and Sabi metallogenic provinces of Zimbabwe. in Mineral Deposits of Southern Africa (Anhaeusser, C. R. and S. Maske eds.) , p. 1351–1393.

Phaup, A.E. (1975) : Chemical analysis of the rocks, ores and minerals of Rhodesia. Rhod. geol. Surv. Bull. No. 71.

Rose, A.W. , Hawkes, H. E. and Webb, J. S. (1979) :) Geochemistry in mineral exploration. 657pp, Academic Press, London.

Schidlowski, M. , R. Eichmann and C. Junge (1975) : Precambrian sedimentary carbonates: carbon and oxygen isotope geochemistry and implications for terrstial oxygen budget. Precambrian Res. Vol.2, p.1-69.

Simpson, H. (1988) : Evaluation of economic potential of Shamrocke mine area. Unpub. Geological Exploration Report of ZMDC, 10pp.

Simpson, H. (1990) : Report on work done and recommended in the area from north of Mhangura to south of Alaska. Unpub. Rep. of ZMDC, 43pp.

Spriggs, M. J. (1972) : Progress report on Lomagundi geochemistry project. Unpub. Memorandum of M.R.D., No. A2/72, 15pp.

Stagman, J.G. (1958) : Report on the geology of the Shamrock claims. Unpub. Zim. geol. Surv. Technical files.

Stagman, J.G. (1959) : The geology of the country around Mangula Mine, Lomagundi and Urungwe District. S. Rhod. geol. Surv. Bull. , No. 46.

Stagman, J.G. (1961) : The geology of the country around Sinoia and Blanket, Lomagundi district. S. Rhod. geol. Surv. Bull. , No. 49, 107pp.

Stagman, J.G. (1978) : An outline of the geology of Rhodesia. Rhodesia Geological Survey Bull. , No. 80, 126pp.

Stowe, C.W. (1978) : structure of the Lomagundi Group in the Sinoia area, Rhodesia. Spec. Publ. geol. Soc. S. Afr. , 4, p. 449-459.

Stowe, C.W. (1980) : Wrench tectonics in the Archaean Rhodesian craton. Geol. Soc. S. Afr. , vol. 83, p. 193-205.

Tennick, E.P. and Phaup, A. E. (1976) : The geology of the country around Magondi, Lomagundi, Hartly and Gotooma districts. Rhodesia Geological Survey Bull. , No. 65, 314pp.

Thole, R.H. (1974) : The geology of, and controls to the distribution of copper at the Shamrocke Mine, near Karoi, Rhodesia. Unpublished D. Phil. thesis, Univ. Rhod. , 376pp.

Thole, R.H. (1976) : The geology of the Shamrocke Mine, Rhodesia -a stratiform copper deposit. Econ. Geol. , Vol. 71, p. 202-228.

Thole, R.H. and B. N. Robinson (1976) : Isotopic evidence on the origin of the Shamrock Mine, Rhodesia. Mineral. Deposita, Vol. 11, p. 298-310.

Treloar, P.J. and J.D. Kramers (1989) : Metamorphism and geochronology of granulites and migmatitc granulites from the Magondi Mobile Belt, Zimbabwe. Precambrian Res. , vol. 45, 277-289.

Treloar, P.J. (1988) : The geological evolution of the Magondi Mobile Belt, Zimbabwe. Precambrian Res. , Vol. 38, p. 55-73.

Tsomondo, J.C. (1980) : On some aspects of the geology and geostatistics of copper and silver mineralization in Mangula and Norah Mines-Zimbabwe. B. Sc. (Special Honours) thesis (unpubl.), Univ. Zimbabwe, 56pp.

Vail, J.R. and Dodson, M.H. (1969) : Geochronology of Rhodesia. Trans. geol. Soc. S. Afr. Vol.72, p.79-113.

Vail, J.R. , Snelling, N.H. and Rex, D.C. (1968) : Pre-Katangan geochronology of Zambia and adjacent parts of Central Africa. Can. J. Earth Sci. , vol. 5, p. 621-628.

Wanger, W. , Hobbler, M. and Kohler, G. (1987) : Groundwater use and Groundwater potential in Chinhoyi-Umboe-Mhangura Farming area (Zimbabwe) . Unpub. rep of BGR, Hannover. 90pp.

Wilson, J.F. , Jones, D.L. and Kramers, J.D. (1987) : Mafic dyke swarms in Zimbabwe. in Halls and Fahrig. W.F. : Mafic dyke swarms. Geol. Ass. Can. Spec. Paper, 34, p. 433-444.

Wilson, J.F. , Bickle, M.J. , Hawkesworth, C.J. , Martin, A. , Nisbet, E. G. and Orpen, J.L. (1978) : Granite-greenstone terraces of the Rhodesian Archacan Craton. Nature, 271, p. 23-27.

Wiles, J. W. (1961) : The geology of the Miami Mica fields. Southern Rhodesia Geol. Survey Bull., No. 51, 235pp.

Windley, B.F. (1984) : The Archaean - Proterozoic boundary. Tectonophysics, vol. 105, p. 43-53.

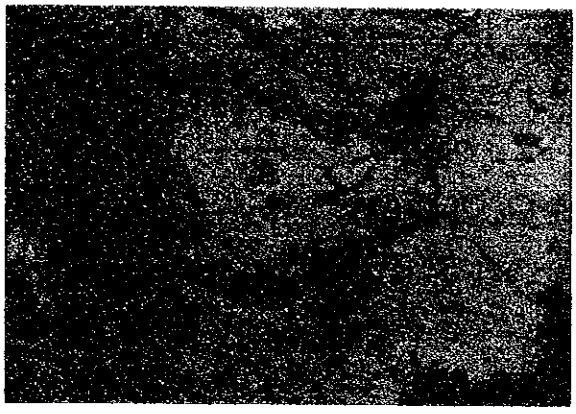
Workman, D.R. (1966) : Aspects of the metamorphism of the Lomagundi System in northern Lomagundi District, Rhodesia. Trans. Geol. Soc. S. Afr. , vol. 69, p. 231-248.

Appendices

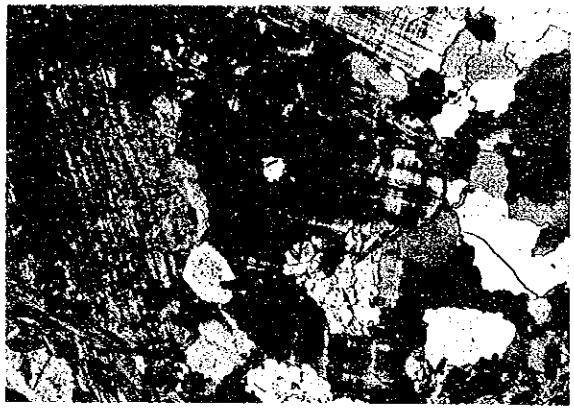
A-1 Microphotographs of the thin sections

Abbreviations of mineral names in the plate

Bt:biotite
Cal:calcite
Cld:chloritoid
Dol:dolomite
Gr:graphite
Grt:garnet
Hbl:hornblende
Ir:iron oxides
Kfs:potassium feldspar
Ms:muscovite
Phl:philogopite
Pl:plagioclase
Qtz:quartz
St:staurolite



open nicol 0.5mm



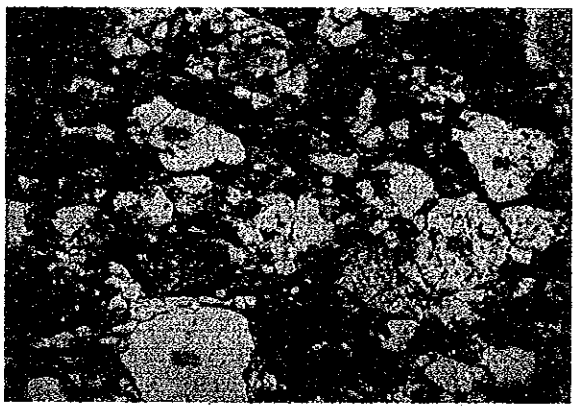
Cross nicol 0.5mm

Sample No. SR 82
Formation Younger Granite, Pre Magondi Intrusive rocks
Rock name Biotite-muscovite adamellite
Locality Nyamamyoko A

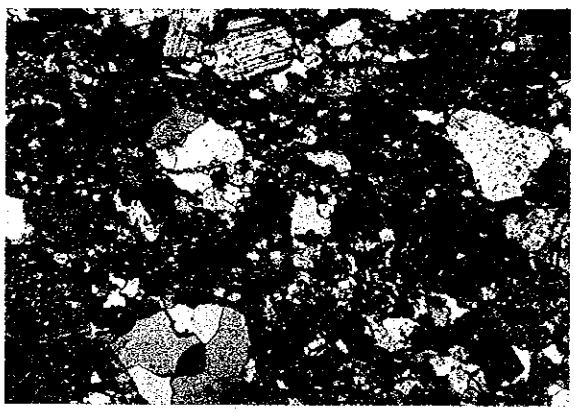
open nicol 0.5mm

Cross nicol 0.5mm

Sample No. KR 50
Formation Amphibolite, Post Magondi Intrusive Rocks
Rock name Biotite amphibolite
Locality Doma Safari Area

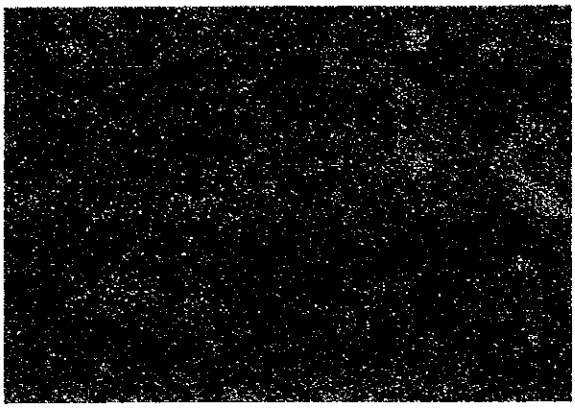


open nicol 0.5mm

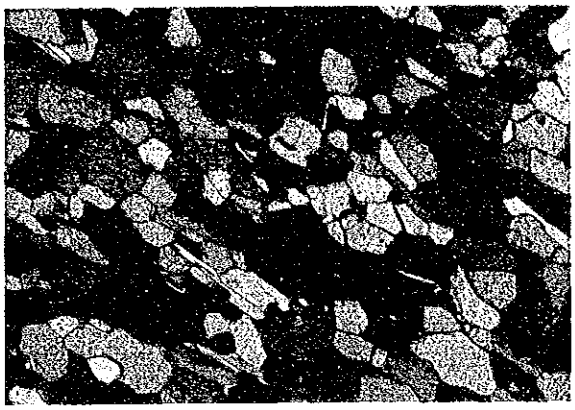


Cross nicol 0.5mm

Sample No. KR 2
Formation Deweras Group, Magondi Supergroup
Rock name Muscovite-biotite schist (arkose origin)
Locality Manyamba Estate



open nicol 0.5mm



Cross nicol 0.5mm

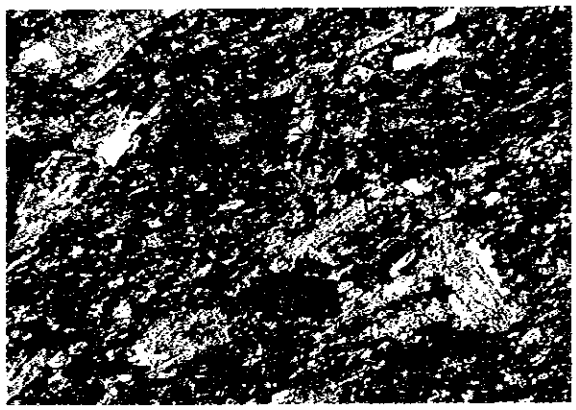
Sample No. KR 46
Formation Lomagundi Group, Magondi Supergroup
Rock name Phlogopite-quartz-dolomite schist (impure dolomite origin)
Locality Mukwichi Communal Land

open nicol 0.5mm

Cross nicol 0.5mm

Sample No. KR 43
Formation Lomagundi Group, Magondi Supergroup
Rock name Staurolite-garnet-biotite schist (pelite origin)
Locality Mukwichi Communal Land

open nicol 0.5mm



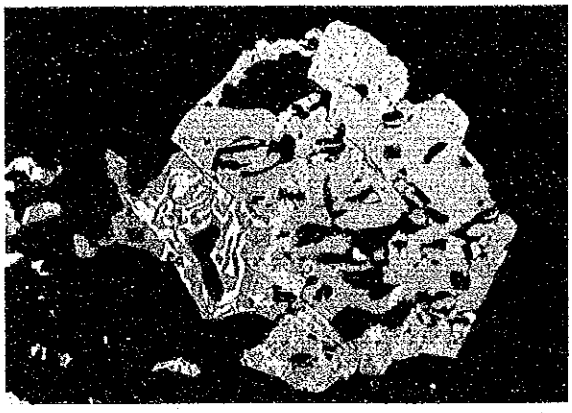
Cross nicol 0.5mm

Sample No. KR 45
Formation Lomagundi Group, Magondi Supergroup
Rock name Biotite-garnet schist (pelite origin)
Locality Mukwichi Communal Land
Remark Black dust in open nicol is graphite

A–2 Microphotographs of the polished sections

Abbreviations of mineral names in the plate

Bo:bornite
Cc:chalcocite
Cp:chalcopyrite
Cub:cubanite
Cv:covelline
Hem:hematite
Mal:malachite
Mc:marcasite
Mt:magnetite
Po:pyrrhotite
Qtz:quartz

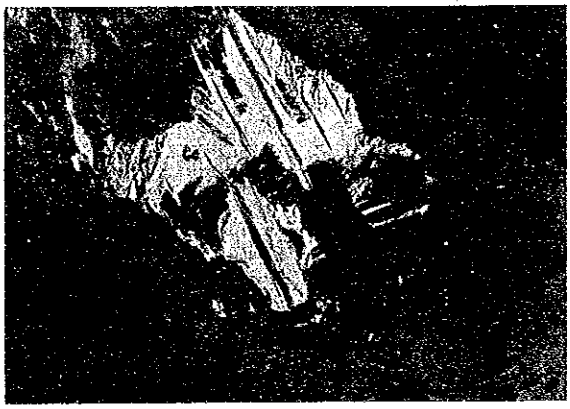


open nicol 0.1mm

Sample No. NR104
Formation Deweras Group, Magondi Supergroup
Rock name Quartz-bornite vein in arkose
Locality Angwa Mine
Remarks Bo-Cc-Cp-Mt-Hem ore with Bo-Cp graphic intergrowth.

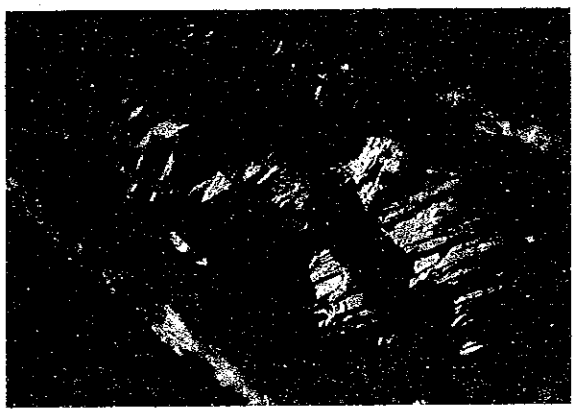
Open nicol 0.1mm

Sample No. NR137
Formation Deweras Group, Magondi Supergroup
Rock name Arkose
Locality Avondale ore deposit, Shakleton Mine
Remarks Cc-Bo-Cp ore.



open nicol 0.1mm

Sample No. NR126
Formation Lomagundi Group, Magondi Supergroup
Rock name Dolomite
Locality Old Alaska Mine
Remarks Mal-Cc-Cv ore. Cc is replaced by Cv.



Cross nicol 0.1mm

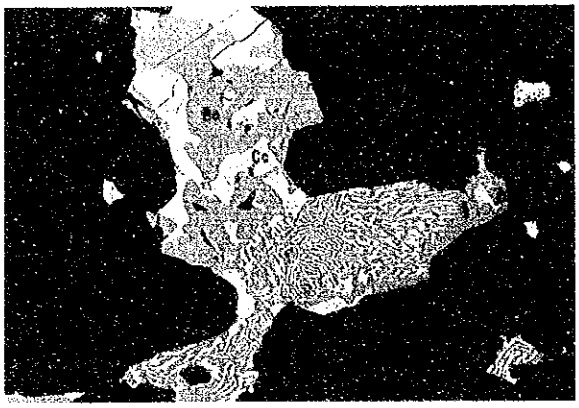
Sample No. NR126
Formation Lomagundi Group, Magondi Supergroup
Rock name Dolomite
Locality Old Alaska Mine
Remarks Same position with left side photograph.

open nicol 0.5mm

Sample No. NR113
Formation Quartz vein in Deweras Group, Magondi Supergroup
Rock name Quartz vin
Locality United Kingdom Mine
Remarks Cc-Mal(-Cv) ore.

Open nicol 0.2mm

Sample No. NR 84
Formation Deweras Group, Magondi Supergroup
Rock name Quartz-feldspar vein in arkose
Locality Mangula Mine, Underground
Remarks Bo-Cc-Hem-Mt ore. Partly shows Bo-Cc graphic intergrowth.



open nicol 0.2mm

Sample No. NR 82
Formation Deweras Group, Magondi Supergroup
Rock name Arkose-conglomerate
Locality Mangula Mine, Underground
Remarks Bo-Cc-Cp-Hem ore. Bo-Cc graphic intergrowth.

Open nicol 0.5mm

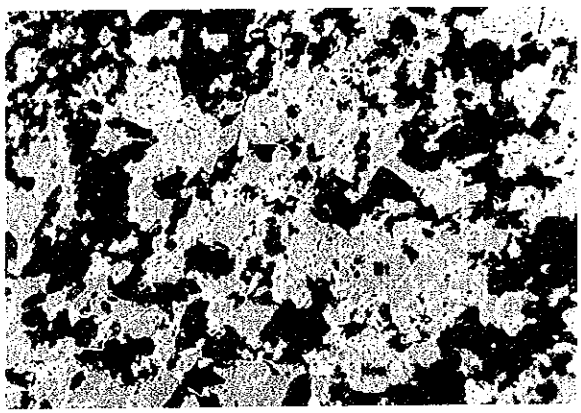
Sample No. NR 78
Formation Deweras Group, Magondi Supergroup
Rock name Arkose
Locality Norah Mine
Remarks Bo-Cc-Cv-Mt-Hem ore.

open nicol 0.5mm

Sample No. KR 49C
Formation Lomagundi Group, Magondi Supergroup
Rock name Contact with sandstone and amphibolite
Locality Shamrocke Mine
Remarks Cp-Po(-Mc)-Il ore.

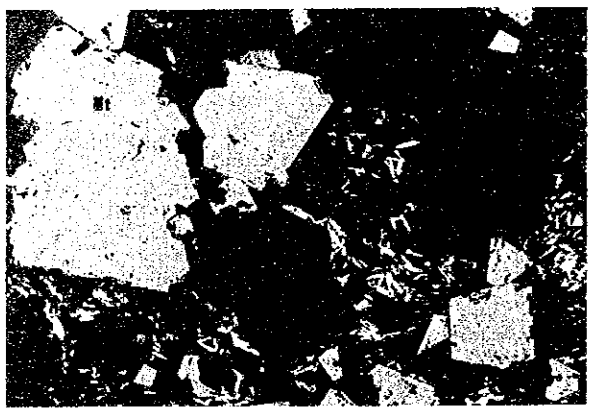
Open nicol 0.2mm

Sample No. KR 48D
Formation Lomagundi Group, Magondi Supergroup
Rock name Dolomitic rock
Locality Shamrocke Mine
Remarks Cp-Cub-Po-Il ore.



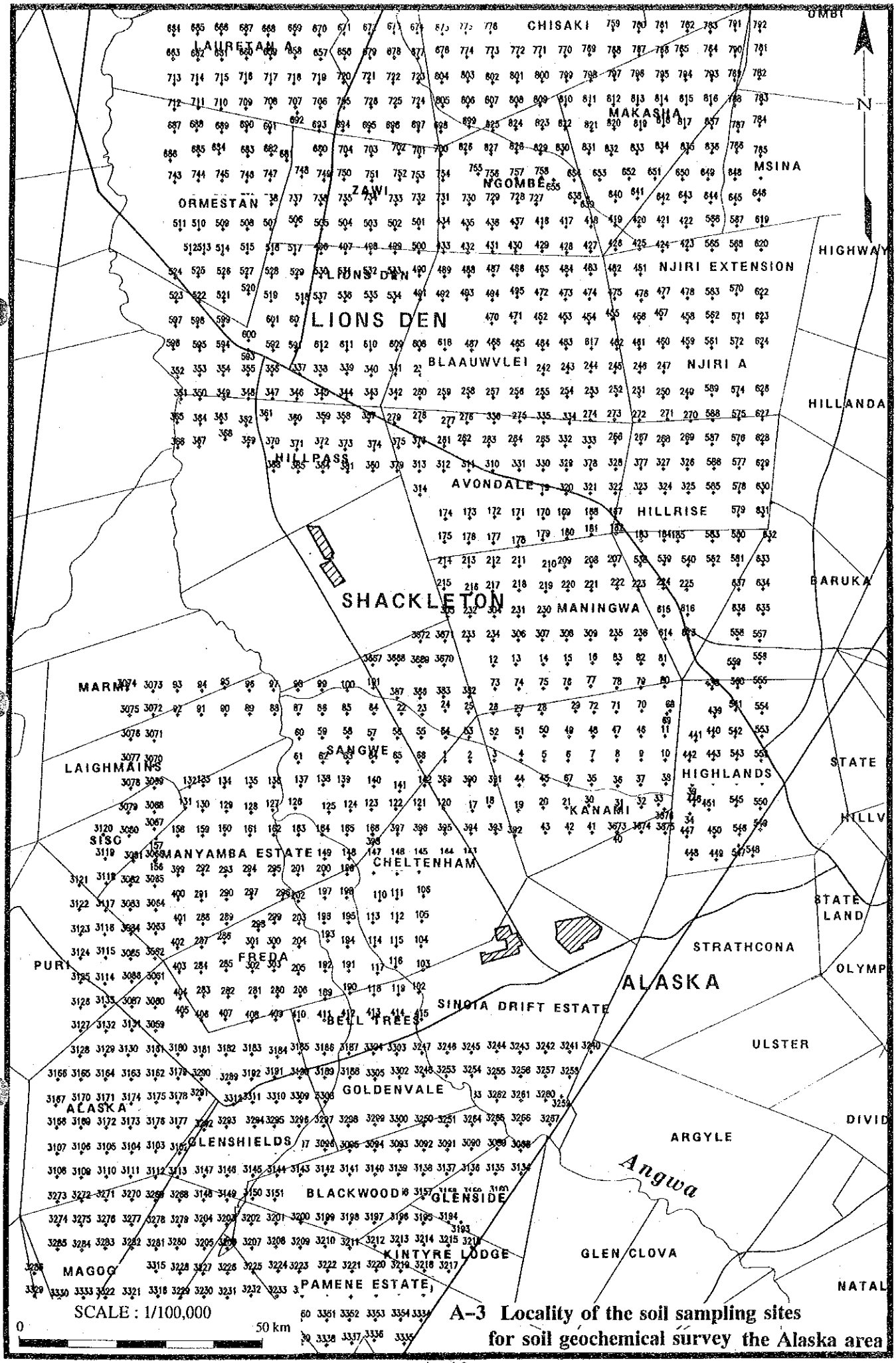
open nicol 0.1mm

Sample No. YR 60
Formation Lomagundi Group, Magondi Supergroup
Rock name banded ironstone
Locality Riversdale
Remarks Euhedral magnetite grains with Hematitized rim.

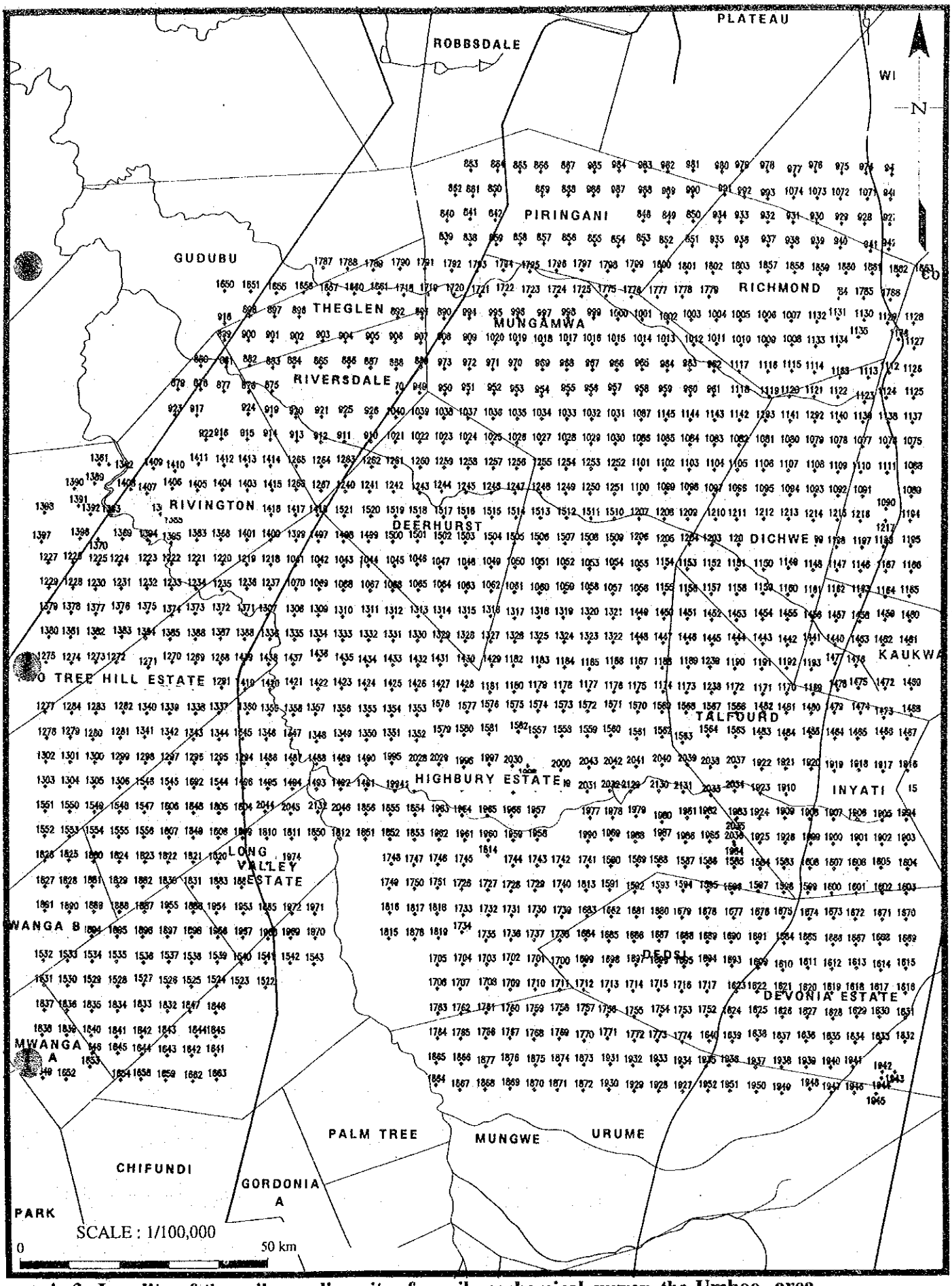


Open nicol 0.1mm

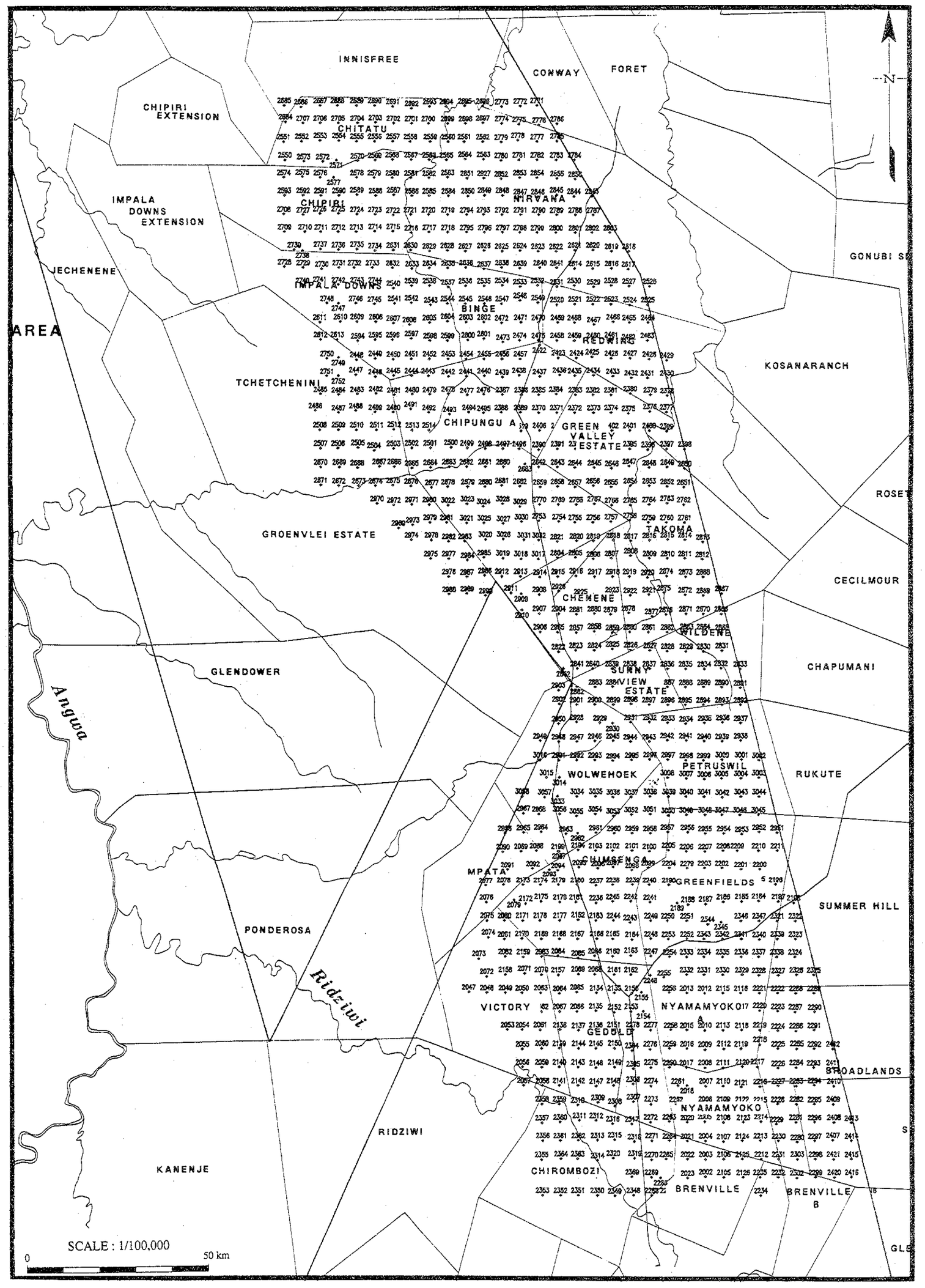
Sample No. KR 61
Formation Quartz vein in Younger Granite
Rock name Quartz-magnetite vein
Locality Nyamamyoko
Remarks Mt-Hem ore



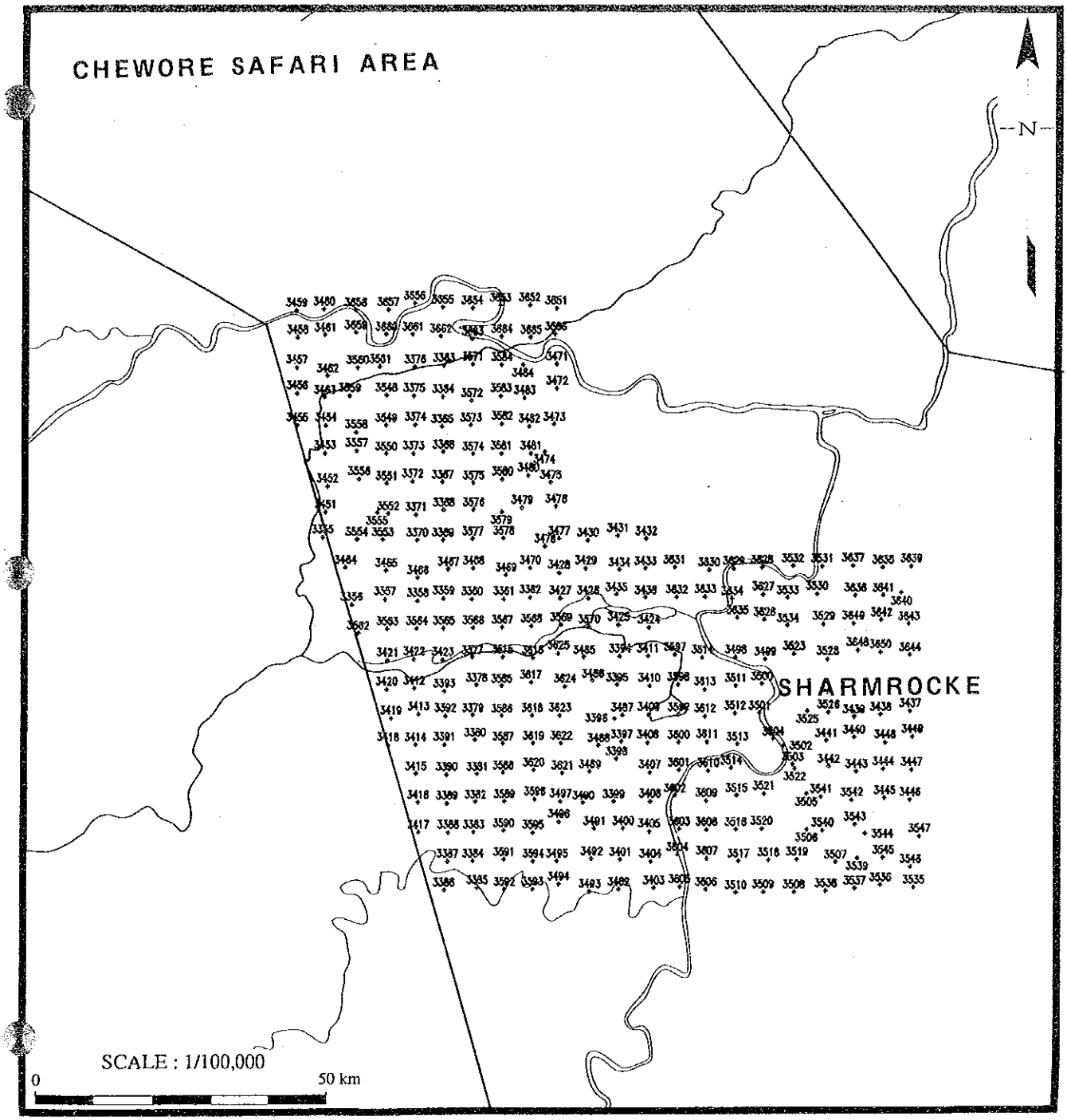
A–3 Locality of the soil sampling sites for soil geochemical survey the Alaska area



A–3 Locality of the soil sampling sites for soil geochemical survey the Umboe area



A–3 Locality of the soil sampling sites for soil geochemical survey the Mangula North area



A-3 Locality of the soil sampling sites for soil geochemical survey the Shamrocke area

A-4 Results of the soil chemical analyses.

(1)

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1	I- 1	17°20.27'S	30° 3.27'E	14	6	0.1	20	75	1.69	8	40	26	10
2	I- 2	17°20.27'S	30° 3.56'E	22	8	< 0.1	22	80	2.08	12	57	47	10
3	I- 3	17°20.26'S	30° 3.85'E	32	8	< 0.1	28	270	2.75	14	76	29	10
4	I- 4	17°20.26'S	30° 4.15'E	38	7	< 0.1	18	53	1.76	12	51	3	30
5	I- 5	17°20.27'S	30° 4.41'E	49	24	< 0.1	18	75	2.91	11	63	2	20
6	I- 6	17°20.27'S	30° 4.69'E	12	3	0.2	10	41	1.46	5	36	< 2	10
7	I- 7	17°20.27'S	30° 4.97'E	178	4	0.2	23	75	2.90	7	39	< 2	10
8	I- 8	17°20.27'S	30° 5.26'E	25	5	0.4	15	47	1.02	14	52	3	< 10
9	I- 9	17°20.27'S	30° 5.54'E	14	4	0.3	12	39	0.83	4	23	< 2	10
10	I- 10	17°20.27'S	30° 5.82'E	19	2	< 0.1	19	50	1.21	3	22	< 2	< 10
11	I- 11	17°20.00'S	30° 5.82'E	19	5	< 0.1	23	50	1.01	5	22	< 2	< 10
12	Y- 1	17°19.20'S	30° 3.84'E	59	11	0.3	28	96	2.52	12	212	78	20
13	Y- 2	17°19.19'S	30° 4.10'E	37	3	< 0.1	9	19	1.62	11	119	54	10
14	Y- 3	17°19.19'S	30° 4.41'E	46	4	0.2	28	589	2.07	9	188	76	< 10
15	Y- 4	17°19.19'S	30° 4.69'E	13	< 1	0.1	18	17	0.82	5	39	2	< 10
16	Y- 5	17°19.18'S	30° 4.98'E	22	< 1	< 0.1	21	23	1.28	9	152	2	< 10
17	C- 2	17°20.83'S	30° 3.59'E	27	5	0.2	17	40	1.64	7	45	< 2	< 10
18	C- 3	17°20.78'S	30° 3.79'E	45	< 1	< 0.1	15	29	1.86	5	22	< 2	< 10
19	C- 4	17°20.83'S	30° 4.12'E	36	2	< 0.1	13	25	2.05	6	27	< 2	< 10
20	C- 5	17°20.80'S	30° 4.40'E	43	2	0.1	10	55	2.55	12	36	< 2	< 10
21	C- 6	17°20.80'S	30° 4.67'E	14	< 1	< 0.1	3	418	0.81	2	15	32	< 10
22	K- 1	17°19.73'S	30° 2.77'E	23	240	< 0.1	16	46	2.11	19	77	2	< 10
23	K- 2	17°19.74'S	30° 3.01'E	25	7	< 0.1	12	41	1.78	9	70	< 2	< 10
24	K- 3	17°19.70'S	30° 3.28'E	22	6	< 0.1	16	74	2.29	12	88	< 2	< 10
25	K- 4	17°19.72'S	30° 3.55'E	18	5	< 0.1	13	50	1.71	13	64	< 2	< 10
26	K- 5	17°19.73'S	30° 3.84'E	15	3	< 0.1	11	55	2.31	11	70	< 2	< 10
27	K- 6	17°19.75'S	30° 4.13'E	14	5	< 0.1	18	69	2.14	12	93	2	< 10
28	K- 7	17°19.74'S	30° 4.39'E	22	4	< 0.1	11	75	2.27	11	102	< 2	< 10
29	K- 8	17°19.72'S	30° 4.78'E	18	3	< 0.1	8	15	1.09	5	28	< 2	< 10
30	C- 7	17°20.78'S	30° 4.93'E	39	4	< 0.1	4	18	0.94	5	27	< 2	< 10
31	C- 8	17°20.82'S	30° 5.28'E	24	3	< 0.1	15	9	0.74	3	14	< 2	< 10
32	C- 9	17°20.80'S	30° 5.54'E	19	< 1	< 0.1	16	10	0.66	4	9	< 2	< 10
33	C- 10	17°20.77'S	30° 5.74'E	32	1	< 0.1	21	31	1.35	4	27	< 2	< 10
34	C- 11	17°20.87'S	30° 6.10'E	41	< 1	0.1	21	29	1.19	3	19	< 2	< 10
35	D- 7	17°20.54'S	30° 4.96'E	67	4	0.3	27	31	1.98	9	36	< 2	< 10
36	D- 8	17°20.56'S	30° 5.26'E	42	2	0.1	19	15	0.82	4	21	< 2	< 10
37	D- 9	17°20.55'S	30° 5.53'E	21	< 1	0.1	21	13	0.88	3	14	< 2	< 10
38	D- 10	17°20.54'S	30° 5.83'E	18	< 1	0.1	13	143	0.67	2	9	17	< 10
39	D- 11	17°20.55'S	30° 6.13'E	28	< 1	< 0.1	22	22	1.30	3	18	< 2	< 10
40	Y- 6	17°21.08'S	30° 5.26'E	36	1	0.2	17	16	1.45	8	90	2	10
41	Y- 7	17°21.08'S	30° 4.96'E	24	2	< 0.1	16	43	1.91	8	94	< 2	< 10
42	Y- 8	17°21.08'S	30° 4.70'E	37	4	< 0.1	25	65	2.86	17	87	2	< 10
43	Y- 9	17°21.08'S	30° 4.42'E	33	2	0.1	15	25	2.05	11	74	< 2	< 10
44	Y- 10	17°20.54'S	30° 4.13'E	39	2	0.2	38	56	2.90	10	162	< 2	< 10
45	Y- 11	17°20.54'S	30° 4.41'E	31	< 1	< 0.1	21	33	1.74	10	196	< 2	< 10
46	I- 12	17°20.00'S	30° 5.54'E	18	4	0.1	18	36	1.00	11	35	< 2	10
47	I- 13	17°20.00'S	30° 5.25'E	14	8	< 0.1	11	35	0.60	3	20	< 2	< 10
48	I- 14	17°20.00'S	30° 4.98'E	47	10	< 0.1	24	71	3.02	15	74	< 2	10
49	I- 15	17°20.00'S	30° 4.70'E	30	7	0.2	17	63	1.80	11	58	< 2	10
50	I- 16	17°19.99'S	30° 4.41'E	31	9	0.1	24	72	2.43	14	63	2	10
51	I- 17	17°20.00'S	30° 4.14'E	31	8	0.1	20	85	2.49	14	64	2	10
52	I- 18	17°20.01'S	30° 3.85'E	46	11	0.1	30	3248	2.90	14	183	31	10
53	I- 19	17°20.00'S	30° 3.55'E	91	12	0.1	55	6287	2.25	15	64	2	10
54	I- 20	17°20.00'S	30° 3.28'E	17	3	< 0.1	15	88	1.27	7	70	< 2	< 10
55	I- 21	17°20.00'S	30° 3.00'E	19	8	< 0.1	9	82	1.52	9	75	< 2	10
56	I- 22	17°20.00'S	30° 2.72'E	16	11	< 0.1	11	80	2.14	11	87	3	< 10
57	I- 23	17°20.01'S	30° 2.43'E	12	6	0.1	10	197	1.42	9	58	24	< 10
58	I- 24	17°19.99'S	30° 2.15'E	16	6	< 0.1	15	54	1.50	7	40	2	< 10
59	I- 25	17°19.99'S	30° 1.86'E	32	5	0.1	9	58	1.73	9	44	< 2	30
60	I- 26	17°20.00'S	30° 1.60'E	219	9	0.2	20	110	4.47	15	76	3	10
61	I- 27	17°20.27'S	30° 1.59'E	131	9	0.2	21	123	5.80	18	170	2	10
62	I- 28	17°20.27'S	30° 1.87'E	14	6	< 0.1	14	81	1.38	6	42	< 2	< 10
63	I- 29	17°20.27'S	30° 2.15'E	18	6	0.2	11	67	1.71	8	45	< 2	10
64	I- 30	17°20.27'S	30° 2.44'E	13	7	< 0.1	14	62	1.51	8	46	2	< 10
65	I- 31	17°20.27'S	30° 2.72'E	24	11	< 0.1	18	101	2.97	12	68	6	10
66	I- 32	17°20.27'S	30° 3.00'E	34	7	0.1	16	75	2.26	13	52	3	10
67	Y- 12	17°20.54'S	30° 4.69'E	51	6	< 0.1	38	< 2	1.67	8	82	< 2	< 10
68	K- 9	17°19.72'S	30° 5.88'E	14	< 1	< 0.1	7	15	0.75	< 1	22	< 2	< 10
69	K- 10	17°19.75'S	30° 5.84'E	12	1	< 0.1	12	21	0.74	< 1	18	< 2	< 10
70	K- 11	17°19.72'S	30° 5.55'E	16	2	0.2	2	208	0.66	< 1	17	25	< 10
71	K- 12	17°19.73'S	30° 5.25'E	21	5	< 0.1	5	25	1.54	6	45	< 2	< 10
72	K- 13	17°19.73'S	30° 4.99'E	25	4	< 0.1	13	18	1.43	8	36	< 2	< 10
73	K- 14	17°19.46'S	30° 3.86'E	20	5	< 0.1	15	61	2.37	9	74	< 2	< 10
74	K- 15	17°19.46'S	30° 4.13'E	16	8	< 0.1	11	74	2.67	12	78	< 2	10
75	K- 16	17°19.46'S	30° 4.41'E	17	14	0.1	5	67	1.93	7	65	< 2	< 10
76	K- 17	17°19.46'S	30° 4.68'E	38	3	0.1	4	49	2.61	9	75	< 2	< 10
77	K- 18	17°19.44'S	30° 4.96'E	28	3	0.1	16	41	2.07	12	76	< 2	< 10
78	K- 19	17°19.46'S	30° 5.26'E	24	4	0.2	7	41	2.22	11	73	< 2	< 10
79	K- 20	17°19.46'S	30° 5.54'E	18	2	< 0.1	< 2	260	1.07	2	22	42	< 10
80	K- 21	17°19.45'S	30° 5.82'E	17	< 1	< 0.1	4	21	0.77	< 1	55	< 2	< 10
81	K- 22	17°19.20'S	30° 5.80'E	10	< 1	< 0.1	< 2	13	0.55	< 1	9	< 2	< 10
82	K- 23	17°19.19'S	30° 5.54'E	27	4	0.1	9	29	1.70	6	41	< 2	< 10
83	K- 24	17°19.19'S	30° 5.27'E	52	9	0.1	24	63	3.13	20	92	< 2	< 10
84	I- 33	17°19.73'S	30° 2.45'E	25	8	< 0.1	20	214	1.99	16	49	21	10
85	I- 34	17°19.73'S	30° 2.14'E	21	10	0.2	16	59	1.43	14	50	3	10
86	I- 35	17°19.73'S	30° 1.86'E	23	8	0.1	20	51	1.64	13	98	2	10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
87	I- 36	17°19.73'S	30° 1.59'E	39	6	0.2	20	53	1.60	19	80	3	10
88	I- 37	17°19.73'S	30° 1.32'E	16	8	< 0.1	< 2	43	2.10	12	40	2	10
89	I- 38	17°19.73'S	30° 1.03'E	8	5	< 0.1	< 2	22	2.17	7	46	< 2	< 10
90	I- 39	17°19.73'S	30° 0.74'E	21	14	0.1	< 2	17	0.89	7	25	< 2	10
91	I- 40	17°19.73'S	30° 0.46'E	82	11	0.2	9	60	1.96	14	35	3	10
92	I- 41	17°19.73'S	30° 0.18'E	36	16	0.2	5	15	1.53	8	36	2	< 10
93	I- 42	17°19.46'S	30° 0.18'E	36	5	< 0.1	< 2	19	0.98	7	40	2	10
94	I- 43	17°19.46'S	30° 0.47'E	11	< 1	< 0.1	8	133	0.90	5	26	19	< 10
95	I- 44	17°19.43'S	30° 0.74'E	36	5	0.1	17	77	2.97	12	48	2	10
96	I- 45	17°19.46'S	30° 1.03'E	9	1	< 0.1	< 2	28	0.84	5	23	23	< 10
97	I- 46	17°19.46'S	30° 1.31'E	14	5	0.1	11	33	1.07	5	24	3	< 10
98	I- 47	17°19.46'S	30° 1.59'E	20	5	< 0.1	10	39	1.23	6	37	3	< 10
99	I- 48	17°19.46'S	30° 1.86'E	18	3	< 0.1	16	38	1.09	5	27	2	< 10
100	I- 49	17°19.47'S	30° 2.15'E	19	4	< 0.1	6	35	0.90	7	38	2	< 10
101	I- 50	17°19.44'S	30° 2.45'E	23	3	< 0.1	23	31	1.90	10	56	4	10
102	K- 25	17°22.85'S	30° 2.96'E	55	3	0.4	23	42	2.04	14	65	2	< 10
103	K- 26	17°22.60'S	30° 3.01'E	108	22	0.7	29	125	5.03	16	97	< 2	< 10
104	K- 27	17°22.33'S	30° 2.99'E	24	5	0.6	< 2	24	1.18	1	21	21	< 10
105	K- 28	17°22.05'S	30° 3.00'E	20	3	< 0.1	< 2	23	0.83	2	23	< 2	< 10
106	K- 29	17°21.77'S	30° 3.02'E	35	8	< 0.1	13	45	2.27	16	44	< 2	< 10
107	K- 30	17°21.50'S	30° 2.97'E	19	5	< 0.1	5	32	1.37	3	27	< 2	< 10
108	K- 31	17°21.52'S	30° 2.71'E	15	2	< 0.1	4	20	1.01	1	20	< 2	< 10
109	K- 32	17°21.51'S	30° 2.44'E	15	2	< 0.1	12	25	1.28	3	28	< 2	< 10
110	K- 33	17°21.82'S	30° 2.51'E	26	2	< 0.1	12	33	1.78	7	50	< 2	< 10
111	K- 34	17°21.80'S	30° 2.71'E	76	4	< 0.1	< 2	41	1.92	7	61	< 2	10
112	K- 35	17°22.06'S	30° 2.71'E	22	2	< 0.1	2	33	1.33	5	33	< 2	< 10
113	K- 36	17°22.06'S	30° 2.43'E	16	1	< 0.1	10	15	1.01	4	20	< 2	10
114	K- 37	17°22.33'S	30° 2.45'E	31	1	< 0.1	11	27	1.35	4	44	< 2	10
115	K- 38	17°22.33'S	30° 2.70'E	19	< 1	< 0.1	6	25	1.16	2	27	< 2	10
116	K- 39	17°22.56'S	30° 2.69'E	17	< 1	< 0.1	9	13	0.84	3	11	< 2	< 10
117	K- 40	17°22.63'S	30° 2.48'E	13	< 1	< 0.1	6	32	1.28	2	31	< 2	< 10
118	K- 41	17°22.87'S	30° 2.44'E	19	1	< 0.1	12	23	0.94	< 1	16	< 2	10
119	K- 42	17°22.87'S	30° 2.72'E	59	3	< 0.1	< 2	129	2.12	10	40	14	< 10
120	S- 1	17°20.80'S	30° 3.26'E	27	5	< 0.1	9	91	2.62	10	61	13	10
121	S- 2	17°20.80'S	30° 2.98'E	12	4	< 0.1	9	88	2.54	11	97	8	< 10
122	S- 3	17°20.80'S	30° 2.70'E	16	5	< 0.1	11	86	2.71	11	73	9	< 10
123	S- 4	17°20.80'S	30° 2.42'E	19	2	< 0.1	13	37	1.76	9	46	2	10
124	S- 5	17°20.81'S	30° 2.18'E	11	< 1	< 0.1	3	26	1.28	2	42	< 2	10
125	S- 6	17°20.83'S	30° 1.93'E	18	< 1	< 0.1	13	63	4.00	5	56	3	10
126	S- 7	17°20.78'S	30° 1.55'E	61	4	< 0.1	11	46	2.13	9	57	2	10
127	S- 8	17°20.80'S	30° 1.29'E	43	< 1	< 0.1	11	47	1.91	5	36	< 2	10
128	S- 9	17°20.83'S	30° 1.04'E	4	2	< 0.1	< 2	39	2.04	5	54	< 2	10
129	S- 10	17°20.81'S	30° 0.75'E	2	1	< 0.1	< 2	43	2.28	9	73	< 2	< 10
130	S- 11	17°20.80'S	30° 0.47'E	30	< 1	< 0.1	< 2	25	1.66	8	39	< 2	< 10
131	S- 12	17°20.77'S	30° 0.27'E	16	< 1	< 0.1	< 2	26	1.57	4	34	< 2	< 10
132	S- 13	17°20.53'S	30° 0.32'E	19	2	< 0.1	3	153	1.64	9	48	18	< 10
133	S- 14	17°20.52'S	30° 0.48'E	15	2	< 0.1	11	56	3.04	14	74	22	10
134	S- 15	17°20.54'S	30° 0.73'E	5	2	< 0.1	2	45	2.44	7	50	2	10
135	S- 16	17°20.54'S	30° 1.04'E	5	2	< 0.1	9	34	1.95	8	64	< 2	30
136	S- 17	17°20.54'S	30° 1.31'E	14	< 1	< 0.1	4	32	1.69	6	56	< 2	< 10
137	S- 18	17°20.53'S	30° 1.62'E	81	4	< 0.1	21	155	5.52	14	87	3	10
138	S- 19	17°20.52'S	30° 1.87'E	6	2	< 0.1	5	33	1.57	5	53	45	10
139	S- 20	17°20.53'S	30° 2.10'E	4	2	< 0.1	11	31	1.47	3	64	2	< 10
140	S- 21	17°20.54'S	30° 2.45'E	6	< 1	< 0.1	< 2	32	1.45	5	44	2	< 10
141	S- 22	17°20.60'S	30° 2.75'E	7	< 1	< 0.1	5	77	2.13	9	64	6	< 10
142	S- 23	17°20.54'S	30° 3.04'E	14	1	< 0.1	11	75	3.13	11	60	7	10
143	Y- 13	17°21.35'S	30° 3.56'E	28	7	< 0.1	25	54	2.76	16	109	2	< 10
144	Y- 14	17°21.35'S	30° 3.29'E	16	1	< 0.1	23	70	2.23	8	72	2	< 10
145	Y- 15	17°21.35'S	30° 2.99'E	17	< 1	< 0.1	22	24	1.19	5	130	< 2	< 10
146	Y- 16	17°21.35'S	30° 2.72'E	27	< 1	< 0.1	25	23	1.55	11	60	< 2	< 10
147	Y- 17	17°21.35'S	30° 2.45'E	31	< 1	< 0.1	12	26	1.24	7	52	< 2	< 10
148	Y- 18	17°21.35'S	30° 2.16'E	35	< 1	< 0.1	25	60	1.31	9	46	10	< 10
149	Y- 19	17°21.35'S	30° 1.88'E	12	< 1	< 0.1	25	36	1.79	7	86	< 2	< 10
150	Y- 20	17°21.35'S	30° 1.60'E	76	3	< 0.1	45	111	4.43	10	149	< 2	< 10
151	Y- 21	17°21.35'S	30° 1.32'E	15	1	0.3	18	3	0.77	4	61	< 2	< 10
152	Y- 22	17°21.35'S	30° 1.02'E	13	2	< 0.1	12	13	1.44	8	58	< 2	< 10
153	Y- 23	17°21.35'S	30° 0.75'E	26	3	< 0.1	22	191	1.46	8	86	38	< 10
154	Y- 24	17°21.35'S	30° 0.48'E	26	< 1	< 0.1	16	4	0.92	5	46	< 2	10
155	Y- 25	17°21.35'S	30° 0.19'E	27	< 1	< 0.1	15	14	1.47	8	52	< 2	< 10
156	Y- 26	17°21.35'S	29°59.92'E	21	< 1	< 0.1	21	19	1.48	10	62	< 2	< 10
157	Y- 27	17°21.11'S	29°59.92'E	25	< 1	< 0.1	7	3	0.87	4	23	< 2	< 10
158	Y- 28	17°21.08'S	30° 0.18'E	61	3	< 0.1	31	42	3.03	17	97	< 2	< 10
159	Y- 29	17°21.08'S	30° 0.47'E	20	1	< 0.1	18	8	1.18	8	99	< 2	< 10
160	Y- 30	17°21.07'S	30° 0.73'E	21	2	< 0.1	16	13	1.18	6	65	< 2	< 10
161	Y- 31	17°21.08'S	30° 1.03'E	23	1	0.1	21	15	1.48	9	98	< 2	< 10
162	Y- 32	17°21.08'S	30° 1.31'E	13	< 1	< 0.1	19	9	1.20	10	58	< 2	< 10
163	Y- 33	17°21.08'S	30° 1.59'E	55	2	0.1	22	121	1.96	11	128	20	< 10
164	Y- 34	17°21.08'S	30° 1.86'E	35	< 1	< 0.1	20	3	0.62	5	49	< 2	< 10
165	Y- 35	17°21.08'S	30° 2.14'E	21	< 1	0.3	21	10	1.05	5	40	< 2	< 10
166	Y- 36	17°21.08'S	30° 2.43'E	22	4	< 0.1	22	33	1.91	12	82	2	< 10
167	I- 51	17°17.56'S	30° 5.25'E	34	10	0.1	15	57	2.34	19	66	2	< 10
168	I- 52	17°17.56'S	30° 4.97'E	18	1	< 0.1	8	27	1.77	10	50	2	< 10
169	I- 53	17°17.56'S	30° 4.65'E	21	5	0.2	8	37	2.37	12	67	2	< 10
170	I- 54	17°17.56'S	30° 4.41'E	85	7	0.2	5	27	2.01	11	62	2	< 10
171	I- 55	17°17.56'S	30° 4.13'E	27	5	0.1	17	31	1.82	12	41	< 2	< 10
172	I- 56	17°17.54'S	30° 3.86'E	21	3	< 0.1	8	561	1.66	11	52	38	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
173	I- 57	17°17.55'S	30° 3.57'E	22	59	0.1	4	31	1.86	13	65	2	< 10
174	I- 58	17°17.56'S	30° 3.29'E	15	12	0.1	6	21	1.40	8	49	< 2	< 10
175	I- 59	17°17.82'S	30° 3.28'E	25	2	< 0.1	13	11	1.02	8	25	< 2	< 10
176	I- 60	17°17.83'S	30° 3.56'E	31	5	< 0.1	16	34	2.24	11	68	2	< 10
177	I- 61	17°17.83'S	30° 3.85'E	9	2	< 0.1	6	9	0.74	5	20	< 2	< 10
178	I- 62	17°17.87'S	30° 4.13'E	22	4	< 0.1	25	22	2.17	13	64	2	< 10
179	I- 63	17°17.80'S	30° 4.41'E	16	3	< 0.1	22	17	1.46	13	54	< 2	< 10
180	I- 64	17°17.79'S	30° 4.69'E	11	11	0.1	19	27	1.71	10	56	< 2	10
181	I- 65	17°17.75'S	30° 4.97'E	13	12	0.2	19	886	2.41	13	73	78	< 10
182	I- 66	17°17.74'S	30° 5.26'E	16	4	< 0.1	17	27	2.17	14	50	2	10
183	I- 67	17°17.82'S	30° 5.55'E	18	5	< 0.1	9	12	1.75	14	40	< 2	< 10
184	I- 68	17°17.82'S	30° 5.82'E	30	6	< 0.1	11	14	2.16	13	39	< 2	< 10
185	I- 69	17°17.83'S	30° 5.98'E	20	3	< 0.1	10	13	1.65	14	35	< 2	10
186	I- 70	17°17.56'S	30° 5.99'E	23	3	< 0.1	28	22	1.97	14	33	< 2	< 10
187	I- 71	17°17.56'S	30° 5.82'E	14	4	< 0.1	5	14	1.20	9	30	< 2	< 10
188	I- 72	17°17.56'S	30° 5.54'E	24	5	< 0.1	14	28	1.48	11	45	47	< 10
189	K- 43	17°22.91'S	30° 1.88'E	37	2	< 0.1	4	28	1.53	3	16	27	< 10
190	K- 44	17°22.85'S	30° 2.16'E	102	4	< 0.1	15	99	4.57	9	88	2	< 10
191	K- 45	17°22.60'S	30° 2.15'E	101	9	< 0.1	11	117	4.47	19	71	2	10
192	K- 46	17°22.60'S	30° 1.88'E	95	6	< 0.1	31	147	3.96	10	79	2	10
193	K- 47	17°22.26'S	30° 1.91'E	163	8	< 0.1	6	73	2.79	13	71	< 2	< 10
194	K- 48	17°22.33'S	30° 2.14'E	15	2	< 0.1	7	26	1.07	< 1	21	39	< 10
195	K- 49	17°22.06'S	30° 2.15'E	28	< 1	< 0.1	< 2	20	0.89	< 1	14	< 2	< 10
196	K- 50	17°22.06'S	30° 1.87'E	15	1	< 0.1	9	15	0.93	< 1	19	< 2	< 10
197	K- 51	17°21.78'S	30° 1.88'E	13	< 1	< 0.1	4	24	1.19	3	20	< 2	< 10
198	K- 52	17°21.78'S	30° 2.13'E	15	3	< 0.1	8	30	1.33	3	53	< 2	< 10
199	K- 53	17°21.52'S	30° 2.14'E	22	1	< 0.1	3	28	1.28	3	35	< 2	< 10
200	K- 54	17°21.52'S	30° 1.87'E	9	< 1	< 0.1	4	24	0.98	2	39	< 2	< 10
201	K- 55	17°21.52'S	30° 1.58'E	59	17	< 0.1	2	70	2.69	9	70	< 2	< 10
202	K- 56	17°21.82'S	30° 1.58'E	195	2	0.3	30	121	4.31	16	55	20	< 10
203	K- 57	17°22.07'S	30° 1.59'E	136	1	0.2	27	106	4.75	15	54	28	< 10
204	K- 58	17°22.33'S	30° 1.59'E	62	3	0.4	43	213	3.95	13	47	15	10
205	K- 59	17°22.63'S	30° 1.58'E	14	< 1	0.2	8	17	1.10	< 1	22	< 2	< 10
206	K- 60	17°22.88'S	30° 1.60'E	25	3	0.1	31	52	2.87	7	94	< 2	< 10
207	S- 24	17°18.09'S	30° 5.24'E	14	3	< 0.1	12	41	2.29	8	73	2	10
208	S- 25	17°18.10'S	30° 4.97'E	20	6	< 0.1	23	70	2.71	9	97	3	10
209	S- 26	17°18.10'S	30° 4.66'E	9	3	< 0.1	13	35	1.66	4	71	2	< 10
210	S- 27	17°18.14'S	30° 4.48'E	23	2	0.6	4	79	2.85	9	81	37	< 10
211	S- 28	17°18.09'S	30° 4.14'E	12	< 1	0.1	< 2	15	1.25	5	79	10	< 10
212	S- 29	17°18.09'S	30° 3.85'E	27	< 1	0.3	14	85	2.04	7	60	12	< 10
213	S- 30	17°18.09'S	30° 3.56'E	22	< 1	< 0.1	4	19	1.59	6	96	2	< 10
214	S- 31	17°18.09'S	30° 3.28'E	28	< 1	0.1	8	38	2.23	10	139	2	< 10
215	S- 32	17°18.34'S	30° 3.27'E	47	1	0.4	55	4255	2.76	9	78	2	< 10
216	S- 33	17°18.39'S	30° 3.59'E	22	< 1	0.2	< 2	42	1.81	5	47	2	< 10
217	S- 34	17°18.37'S	30° 3.84'E	22	1	< 0.1	< 2	27	1.77	10	102	2	< 10
218	S- 35	17°18.36'S	30° 4.14'E	15	< 1	0.1	5	16	1.12	5	93	< 2	< 10
219	S- 36	17°18.38'S	30° 4.44'E	21	< 1	0.3	16	24	1.53	7	67	< 2	< 10
220	S- 37	17°18.37'S	30° 4.70'E	27	1	0.5	12	37	2.08	10	122	3	< 10
221	S- 38	17°18.37'S	30° 4.97'E	21	< 1	0.1	12	20	1.45	5	46	< 2	< 10
222	S- 39	17°18.35'S	30° 5.27'E	41	2	< 0.1	12	42	2.65	8	139	2	10
223	S- 40	17°18.37'S	30° 5.52'E	32	5	< 0.1	15	47	3.41	8	69	< 2	< 10
224	S- 41	17°18.35'S	30° 5.81'E	20	< 1	< 0.1	< 2	18	0.99	4	20	< 2	< 10
225	S- 42	17°18.37'S	30° 6.08'E	20	3	< 0.1	16	43	1.75	6	50	< 2	< 10
226	Y- 37	17°18.65'S	30° 5.54'E	28	1	< 0.1	27	26	1.65	10	102	5	< 10
227	Y- 38	17°18.65'S	30° 5.27'E	29	< 1	< 0.1	36	30	1.75	12	164	4	< 10
228	Y- 39	17°18.65'S	30° 4.98'E	25	< 1	0.1	13	17	1.13	8	85	3	< 10
229	Y- 40	17°18.65'S	30° 4.70'E	30	2	< 0.1	26	22	1.59	11	95	3	< 10
230	Y- 41	17°18.65'S	30° 4.42'E	26	138	0.5	29	16	1.45	10	84	3	< 10
231	Y- 42	17°18.65'S	30° 4.13'E	24	1	0.1	25	10	1.20	8	80	2	< 10
232	Y- 44	17°18.65'S	30° 3.57'E	22	< 1	< 0.1	26	26	1.60	7	67	4	< 10
233	Y- 46	17°18.92'S	30° 3.55'E	26	4	0.1	36	52	2.65	14	99	7	< 10
234	Y- 47	17°18.92'S	30° 3.84'E	26	< 1	< 0.1	27	18	1.49	9	110	3	< 10
235	Y- 52	17°18.92'S	30° 5.25'E	26	1	0.1	29	43	1.81	12	96	4	< 10
236	Y- 53	17°18.92'S	30° 5.54'E	26	1	< 0.1	17	29	1.58	15	201	3	< 10
237	I- 73	17°15.95'S	30° 3.01'E	23	3	< 0.1	7	14	1.58	9	35	< 2	10
238	I- 74	17°15.93'S	30° 3.28'E	20	3	< 0.1	16	31	1.80	11	45	< 2	10
239	I- 75	17°15.94'S	30° 3.56'E	11	5	< 0.1	10	25	1.99	13	51	< 2	< 10
240	I- 76	17°15.94'S	30° 3.87'E	11	2	< 0.1	12	33	2.31	12	48	< 2	< 10
241	I- 77	17°15.95'S	30° 4.13'E	13	1	< 0.1	11	34	2.32	11	49	< 2	< 10
242	I- 78	17°15.95'S	30° 4.42'E	10	< 1	< 0.1	17	19	1.52	8	39	< 2	< 10
243	I- 79	17°15.94'S	30° 4.70'E	21	4	0.1	42	34	2.02	10	56	< 2	10
244	I- 80	17°15.93'S	30° 4.97'E	12	4	< 0.1	27	37	1.70	14	41	< 2	10
245	I- 81	17°15.94'S	30° 5.25'E	18	28	< 0.1	126	23	1.64	12	41	< 2	< 10
246	I- 82	17°15.94'S	30° 5.54'E	28	3	0.2	13	33	2.21	12	42	< 2	10
247	I- 83	17°15.94'S	30° 5.82'E	23	5	0.1	19	36	2.06	14	53	< 2	10
248	I- 84	17°15.94'S	30° 6.10'E	22	3	< 0.1	10	34	2.07	12	48	< 2	10
249	I- 85	17°16.23'S	30° 6.09'E	27	5	< 0.1	20	46	2.70	15	52	< 2	10
250	I- 86	17°16.23'S	30° 5.81'E	43	4	< 0.1	16	39	2.27	16	53	< 2	10
251	I- 87	17°16.21'S	30° 5.53'E	11	5	0.1	6	20	1.49	11	22	< 2	10
252	I- 88	17°16.20'S	30° 5.26'E	7	5	0.1	8	23	1.40	10	31	< 2	< 10
253	I- 89	17°16.21'S	30° 4.98'E	10	2	< 0.1	12	19	1.61	6	27	< 2	< 10
254	I- 90	17°16.21'S	30° 4.69'E	9	2	< 0.1	7	20	1.57	9	31	< 2	< 10
255	I- 91	17°16.22'S	30° 4.41'E	38	2	0.5	33	1576	2.26	16	59	< 2	< 10
256	I- 92	17°16.21'S	30° 4.12'E	17	2	0.2	14	21	1.62	10	38	< 2	< 10
257	I- 93	17°16.21'S	30° 3.85'E	19	2	0.1	16	80	2.06	9	46	33	< 10
258	I- 94	17°16.20'S	30° 3.56'E	51	21	0.5	45	4203	2.12	12	49	< 2	10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
259	I- 95	17°16.21'S	30° 3.28'E	16	2	0.1	17	39	1.86	9	47	< 2	< 10
260	I- 96	17°16.21'S	30° 3.00'E	9	13	0.1	11	28	2.16	11	54	2	< 10
261	S- 43	17°16.75'S	30° 3.28'E	25	3	< 0.1	13	87	3.46	9	73	2	< 10
262	S- 44	17°16.73'S	30° 3.51'E	12	8	< 0.1	15	225	3.29	10	76	25	< 10
263	S- 45	17°16.75'S	30° 3.80'E	14	2	< 0.1	12	54	2.51	8	103	< 2	< 10
264	S- 46	17°16.74'S	30° 4.10'E	12	< 1	< 0.1	12	55	3.33	10	160	< 2	< 10
265	S- 47	17°16.75'S	30° 4.41'E	11	< 1	< 0.1	13	43	2.44	8	48	< 2	< 10
266	S- 50	17°16.73'S	30° 5.25'E	30	5	< 0.1	19	49	2.92	7	67	< 2	< 10
267	S- 51	17°16.74'S	30° 5.55'E	24	5	< 0.1	21	34	2.21	6	42	< 2	< 10
268	S- 52	17°16.76'S	30° 5.81'E	81	3	< 0.1	20	68	3.81	10	64	< 2	< 10
269	S- 53	17°16.74'S	30° 6.09'E	29	4	< 0.1	11	39	2.49	11	65	< 2	< 10
270	S- 54	17°16.49'S	30° 6.13'E	9	3	< 0.1	11	34	1.96	7	37	< 2	< 10
271	S- 55	17°16.47'S	30° 5.86'E	7	3	0.2	14	31	1.93	8	44	< 2	< 10
272	S- 56	17°16.48'S	30° 5.53'E	9	1	< 0.1	13	25	1.21	5	24	< 2	< 10
273	S- 57	17°16.47'S	30° 5.24'E	9	3	0.2	20	59	2.36	9	77	< 2	< 10
274	S- 58	17°16.47'S	30° 4.96'E	9	< 1	< 0.1	23	34	2.00	8	43	< 2	< 10
275	S- 61	17°16.48'S	30° 4.15'E	5	2	< 0.1	5	39	2.14	9	55	< 2	< 10
276	S- 63	17°16.49'S	30° 3.54'E	4	< 1	< 0.1	12	38	1.51	6	66	< 2	< 10
277	S- 64	17°16.53'S	30° 3.33'E	6	4	< 0.1	21	28	1.68	6	92	2	< 10
278	S- 65	17°16.47'S	30° 3.00'E	4	2	< 0.1	18	39	2.48	7	77	2	< 10
279	S- 66	17°16.49'S	30° 2.70'E	9	< 1	< 0.1	21	36	2.25	6	74	< 2	< 10
280	K- 61	17°22.88'S	30° 1.34'E	7	3	0.2	22	21	1.36	4	26	< 2	< 10
281	K- 62	17°22.88'S	30° 1.08'E	10	4	0.1	36	35	1.85	9	51	< 2	< 10
282	K- 63	17°22.88'S	30° 0.76'E	11	4	0.2	12	25	1.78	6	31	< 2	< 10
283	K- 64	17°22.87'S	30° 0.47'E	50	4	< 0.1	34	26	1.78	6	49	< 2	< 10
284	K- 65	17°22.60'S	30° 0.44'E	109	7	< 0.1	39	56	3.04	14	70	< 2	< 10
285	K- 66	17°22.58'S	30° 0.74'E	26	5	< 0.1	51	79	3.97	14	121	< 2	< 10
286	K- 67	17°22.27'S	30° 0.72'E	25	3	0.1	23	13	1.42	6	21	< 2	< 10
287	K- 68	17°22.32'S	30° 0.45'E	127	6	0.1	44	52	3.28	16	63	< 2	< 10
288	K- 69	17°22.06'S	30° 0.47'E	171	9	0.1	44	112	5.77	15	104	< 2	< 10
289	K- 70	17°22.06'S	30° 0.75'E	16	< 1	< 0.1	34	15	1.24	< 1	38	< 2	< 10
290	K- 71	17°21.79'S	30° 0.75'E	11	< 1	< 0.1	17	12	1.01	< 1	24	< 2	< 10
291	K- 72	17°21.80'S	30° 0.45'E	234	6	0.1	51	131	6.62	20	88	< 2	< 10
292	K- 73	17°21.51'S	30° 0.47'E	182	9	0.2	45	225	4.33	10	89	24	< 10
293	K- 74	17°21.53'S	30° 0.74'E	13	2	< 0.1	31	22	1.64	4	43	< 2	< 10
294	K- 75	17°21.52'S	30° 1.02'E	15	6	< 0.1	46	57	2.93	9	57	< 2	< 10
295	K- 76	17°21.52'S	30° 1.31'E	8	< 1	< 0.1	29	14	1.06	< 1	24	< 2	< 10
296	K- 77	17°21.79'S	30° 1.41'E	18	1	0.3	48	20	1.39	2	28	< 2	< 10
297	K- 78	17°21.78'S	30° 1.04'E	14	7	0.5	58	249	2.75	9	63	38	< 10
298	K- 79	17°22.14'S	30° 1.12'E	29	4	< 0.1	39	40	2.00	5	66	< 2	< 10
299	K- 80	17°22.06'S	30° 1.31'E	21	< 1	< 0.1	34	18	1.14	< 1	26	< 2	< 10
300	K- 81	17°22.33'S	30° 1.30'E	24	< 1	< 0.1	39	20	1.51	3	23	< 2	< 10
301	K- 82	17°22.33'S	30° 1.05'E	26	5	0.2	45	48	2.58	7	67	< 2	< 10
302	K- 83	17°22.60'S	30° 1.05'E	17	4	0.5	42	46	2.23	6	75	< 2	< 10
303	K- 84	17°22.59'S	30° 1.30'E	19	3	0.8	46	36	1.91	4	53	< 2	< 10
304	Y- 43	17°18.65'S	30° 3.86'E	35	2	< 0.1	37	245	2.41	15	118	45	< 10
305	Y- 45	17°18.65'S	30° 3.31'E	20	2	< 0.1	36	42	2.01	10	170	89	< 10
306	Y- 48	17°18.92'S	30° 4.13'E	33	3	0.2	36	37	2.15	10	126	3	< 10
307	Y- 49	17°18.92'S	30° 4.40'E	32	3	0.2	41	43	2.07	18	97	5	< 10
308	Y- 50	17°18.92'S	30° 4.68'E	33	3	0.2	33	43	2.18	13	150	6	< 10
309	Y- 51	17°18.92'S	30° 4.96'E	24	< 1	0.4	25	40	1.85	10	109	5	< 10
310	Y- 54	17°17.02'S	30° 3.84'E	9	< 1	< 0.1	15	58	2.42	12	99	2	< 10
311	Y- 55	17°17.02'S	30° 3.56'E	10	2	< 0.1	18	66	2.79	13	78	4	< 10
312	Y- 56	17°17.02'S	30° 3.27'E	3	1	< 0.1	14	974	1.77	7	59	65	< 10
313	Y- 57	17°17.02'S	30° 2.99'E	11	< 1	< 0.1	20	30	2.12	19	158	3	< 10
314	Y- 58	17°17.29'S	30° 3.00'E	16	2	< 0.1	18	32	1.61	8	119	3	< 10
315	Y- 59	17°17.29'S	30° 3.27'E	14	< 1	< 0.1	25	38	1.86	11	128	2	< 10
316	Y- 60	17°17.29'S	30° 3.56'E	7	2	< 0.1	13	22	1.44	10	78	< 2	< 10
317	Y- 61	17°17.29'S	30° 3.84'E	6	< 1	0.4	22	17	1.10	7	28	< 2	< 10
318	Y- 62	17°17.29'S	30° 4.12'E	6	< 1	0.1	18	4	0.95	5	46	< 2	< 10
319	Y- 63	17°17.29'S	30° 4.40'E	6	3	< 0.1	16	32	1.63	7	55	< 2	< 10
320	Y- 64	17°17.29'S	30° 4.68'E	11	4	0.1	19	55	2.35	12	75	4	< 10
321	Y- 65	17°17.29'S	30° 4.96'E	12	5	< 0.1	11	890	2.14	12	74	87	< 10
322	Y- 66	17°17.29'S	30° 5.25'E	8	5	< 0.1	19	50	2.54	12	72	3	< 10
323	Y- 67	17°17.29'S	30° 5.54'E	5	2	< 0.1	15	36	1.71	9	62	2	< 10
324	Y- 68	17°17.29'S	30° 5.83'E	14	5	0.1	20	27	1.60	9	51	< 2	< 10
325	Y- 69	17°17.29'S	30° 6.10'E	12	1	< 0.1	19	32	1.62	14	154	< 2	< 10
326	Y- 70	17°17.02'S	30° 6.09'E	15	2	< 0.1	28	28	1.66	15	145	< 2	< 10
327	Y- 71	17°17.02'S	30° 5.81'E	14	4	0.2	21	24	1.61	16	66	< 2	< 10
328	Y- 73	17°17.02'S	30° 5.25'E	14	3	0.1	19	32	2.27	9	102	2	< 10
329	Y- 75	17°17.02'S	30° 4.68'E	6	9	< 0.1	27	45	2.62	14	158	2	< 10
330	Y- 76	17°17.02'S	30° 4.41'E	3	< 1	< 0.1	22	25	1.59	7	49	< 2	< 10
331	Y- 77	17°17.02'S	30° 4.14'E	5	< 1	0.1	24	33	1.73	7	47	< 2	< 10
332	S- 48	17°16.75'S	30° 4.67'E	28	3	< 0.1	42	1944	3.01	13	94	< 2	< 10
333	S- 49	17°16.77'S	30° 4.95'E	32	3	< 0.1	20	906	3.34	11	62	29	< 10
334	S- 59	17°16.50'S	30° 4.72'E	15	2	< 0.1	27	1833	2.04	6	127	12	< 10
335	S- 60	17°16.49'S	30° 4.42'E	20	2	< 0.1	45	1857	2.65	13	61	< 2	< 10
336	S- 62	17°16.49'S	30° 3.86'E	8	2	< 0.1	35	958	2.72	11	119	< 2	< 10
337	I- 97	17°15.93'S	30° 1.62'E	42	< 1	< 0.1	7	27	1.26	8	32	< 2	< 10
338	I- 98	17°15.94'S	30° 1.86'E	10	< 1	< 0.1	9	5	0.92	7	20	< 2	< 10
339	I- 99	17°15.93'S	30° 2.16'E	7	< 1	< 0.1	9	8	0.92	6	27	< 2	< 10
340	I-100	17°15.95'S	30° 2.44'E	14	3	0.1	12	32	2.20	12	51	2	< 10
341	I-101	17°15.94'S	30° 2.72'E	23	3	0.2	22	30	1.78	11	83	< 2	10
342	I-102	17°16.21'S	30° 2.72'E	5	1	< 0.1	21	15	1.40	8	155	< 2	< 10
343	I-103	17°16.21'S	30° 2.44'E	111	8	< 0.1	27	47	2.26	17	99	< 2	< 10
344	I-104	17°16.21'S	30° 2.15'E	6	1	0.1	17	15	1.13	7	57	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
345	I-105	17°16.21'S	30° 1.87'E	12	3	0.2	17	14	1.29	13	67	< 2	< 10
346	I-106	17°16.21'S	30° 1.59'E	10	7	0.1	15	489	2.35	16	74	30	10
347	I-107	17°16.21'S	30° 1.31'E	16	2	< 0.1	8	12	0.57	4	51	< 2	< 10
348	I-108	17°16.21'S	30° 1.03'E	6	< 1	< 0.1	11	< 2	0.56	4	66	< 2	< 10
349	I-109	17°16.21'S	30° 0.74'E	30	3	< 0.1	10	15	1.19	11	77	< 2	10
350	I-110	17°16.21'S	30° 0.46'E	39	2	< 0.1	4	62	2.50	15	94	< 2	10
351	I-111	17°16.21'S	30° 0.24'E	42	1	< 0.1	23	56	2.38	11	74	< 2	10
352	I-112	17°15.96'S	30° 0.20'E	112	2	0.2	16	57	3.81	14	182	5	10
353	I-113	17°15.94'S	30° 0.46'E	27	2	0.1	14	29	2.29	16	92	< 2	10
354	I-114	17°15.94'S	30° 0.74'E	22	2	< 0.1	< 2	20	1.56	10	56	< 2	10
355	I-115	17°15.94'S	30° 1.03'E	60	2	0.5	5	248	1.83	12	141	23	10
356	I-116	17°15.94'S	30° 1.31'E	8	< 1	< 0.1	< 2	5	0.54	2	60	< 2	< 10
357	S- 67	17°16.47'S	30° 2.41'E	252	2	< 0.1	60	233	4.07	21	81	2	< 10
358	S- 68	17°16.47'S	30° 2.12'E	6	< 1	< 0.1	14	39	1.72	5	80	< 2	< 10
359	S- 69	17°16.47'S	30° 1.89'E	9	3	< 0.1	16	94	2.38	15	117	13	< 10
360	S- 70	17°16.49'S	30° 1.57'E	18	3	< 0.1	18	29	1.68	6	55	< 2	10
361	S- 71	17°16.44'S	30° 1.24'E	4	< 1	< 0.1	14	20	0.61	2	51	14	< 10
362	S- 72	17°16.51'S	30° 1.00'E	2	< 1	< 0.1	8	15	1.05	4	39	< 2	< 10
363	S- 73	17°16.48'S	30° 0.71'E	4	< 1	< 0.1	5	239	1.14	2	42	< 2	< 10
364	S- 74	17°16.49'S	30° 0.46'E	28	< 1	< 0.1	20	28	1.82	6	64	< 2	< 10
365	S- 75	17°16.47'S	30° 0.19'E	56	< 1	< 0.1	22	92	3.43	12	69	< 2	< 10
366	S- 76	17°16.75'S	30° 0.20'E	39	< 1	< 0.1	13	22	1.51	8	32	< 2	< 10
367	S- 77	17°16.74'S	30° 0.45'E	11	< 1	< 0.1	7	15	1.09	5	35	< 2	< 10
368	S- 78	17°16.66'S	30° 0.76'E	5	< 1	< 0.1	15	11	0.79	3	29	< 2	< 10
369	S- 79	17°16.74'S	30° 1.03'E	2	< 1	< 0.1	11	11	0.93	4	29	< 2	< 10
370	S- 80	17°16.75'S	30° 1.31'E	2	< 1	< 0.1	13	5	0.61	2	14	< 2	< 10
371	S- 81	17°16.78'S	30° 1.59'E	21	3	< 0.1	19	30	1.85	9	74	2	10
372	S- 82	17°16.75'S	30° 1.87'E	18	2	0.4	17	329	1.68	8	70	24	< 10
373	S- 83	17°16.78'S	30° 2.14'E	29	2	0.3	19	30	1.71	8	90	2	< 10
374	S- 84	17°16.79'S	30° 2.47'E	7	2	< 0.1	9	29	1.84	6	70	< 2	< 10
375	S- 85	17°16.76'S	30° 2.75'E	11	4	0.2	20	54	3.03	8	89	6	< 10
376	S- 86	17°16.75'S	30° 2.99'E	15	1	0.1	14	51	2.73	7	49	2	< 10
377	Y- 72	17°17.02'S	30° 5.55'E	22	5	0.2	38	416	2.39	11	74	49	< 10
378	Y- 74	17°17.02'S	30° 4.96'E	18	5	0.1	40	68	2.42	12	78	< 2	< 10
379	Y- 78	17°17.02'S	30° 2.73'E	10	4	< 0.1	39	69	2.76	11	96	4	< 10
380	Y- 79	17°17.02'S	30° 2.45'E	12	1	< 0.1	29	24	1.42	7	88	< 2	< 10
381	Y- 80	17°17.03'S	30° 2.16'E	29	< 1	0.1	21	20	1.46	6	37	< 2	< 10
382	Y- 81	17°19.55'S	30° 3.56'E	35	2	0.2	31	664	1.80	11	76	2	< 10
383	Y- 82	17°19.55'S	30° 3.26'E	1	1	0.1	22	25	1.34	5	37	< 2	< 10
384	Y- 83	17°17.02'S	30° 1.88'E	13	2	0.4	26	29	1.89	12	186	2	< 10
385	Y- 84	17°17.02'S	30° 1.60'E	9	9	< 0.1	27	36	1.77	16	196	< 2	< 10
386	Y- 85	17°19.56'S	30° 2.99'E	4	4	< 0.1	19	21	1.40	9	69	< 2	< 10
387	Y- 86	17°19.56'S	30° 2.72'E	7	2	< 0.1	12	21	2.20	11	49	< 2	< 10
388	Y- 87	17°17.01'S	30° 1.32'E	15	3	< 0.1	12	566	1.83	13	49	49	10
389	Y- 88	17°20.54'S	30° 3.27'E	11	4	< 0.1	27	92	3.09	14	131	54	10
390	Y- 89	17°20.54'S	30° 3.56'E	46	3	0.1	30	71	3.26	13	100	4	10
391	Y- 90	17°20.54'S	30° 3.86'E	20	2	0.1	26	52	2.08	9	62	< 2	< 10
392	Y- 91	17°21.11'S	30° 4.08'E	56	< 1	0.1	32	62	2.79	9	43	< 2	< 10
393	Y- 92	17°21.08'S	30° 3.86'E	11	< 1	0.1	15	23	1.02	5	51	< 2	< 10
394	Y- 93	17°21.08'S	30° 3.57'E	55	4	< 0.1	21	42	1.96	10	64	46	20
395	Y- 94	17°21.08'S	30° 3.27'E	38	6	0.1	30	78	2.71	11	183	5	10
396	Y- 95	17°21.08'S	30° 2.99'E	23	6	0.1	40	124	3.31	12	132	3	10
397	Y- 96	17°21.08'S	30° 2.72'E	24	8	0.1	34	83	2.72	13	118	3	< 10
398	Y- 97	17°21.08'S	30° 2.44'E	21	4	< 0.1	27	66	2.96	14	163	3	10
399	K- 85	17°21.52'S	30° 0.18'E	10	< 1	0.5	18	6	0.82	< 1	11	< 2	< 10
400	K- 86	17°21.79'S	30° 0.18'E	18	1	0.1	30	14	1.59	2	19	< 2	< 10
401	K- 87	17°22.06'S	30° 0.20'E	41	1	< 0.1	25	22	1.52	7	45	< 2	< 10
402	K- 88	17°22.33'S	30° 0.17'E	22	2	< 0.1	20	96	1.66	5	49	16	< 10
403	K- 89	17°22.60'S	30° 0.19'E	27	3	< 0.1	12	24	1.63	8	62	< 2	< 10
404	K- 90	17°22.89'S	30° 0.20'E	16	4	< 0.1	13	18	1.51	6	33	< 2	< 10
405	K- 91	17°23.09'S	30° 0.22'E	15	14	< 0.1	13	9	0.83	4	15	< 2	< 10
406	K- 92	17°23.14'S	30° 0.45'E	77	14	0.1	31	39	1.66	11	92	< 2	< 10
407	K- 93	17°23.13'S	30° 0.73'E	15	4	< 0.1	8	14	1.23	12	41	< 2	< 10
408	K- 94	17°23.15'S	30° 1.04'E	16	4	< 0.1	17	35	2.00	6	32	< 2	< 10
409	K- 95	17°23.14'S	30° 1.32'E	14	3	< 0.1	11	25	1.62	6	38	< 2	< 10
410	K- 96	17°23.15'S	30° 1.58'E	18	4	0.5	21	32	2.00	7	52	< 2	< 10
411	K- 97	17°23.15'S	30° 1.87'E	142	5	0.4	16	36	2.19	9	41	< 2	< 10
412	K- 98	17°23.14'S	30° 2.14'E	80	12	0.3	26	354	3.15	9	88	73	< 10
413	K- 99	17°23.13'S	30° 2.43'E	33	4	0.2	16	33	1.90	5	43	< 2	< 10
414	K-100	17°23.14'S	30° 2.71'E	154	3	0.4	15	49	2.18	7	59	19	< 10
415	K-101	17°23.15'S	30° 2.99'E	60	16	0.4	40	435	2.99	11	140	2	< 10
416	I-117	17°14.31'S	30° 4.41'E	10	4	< 0.1	5	29	1.79	8	171	4	< 10
417	I-118	17°14.31'S	30° 4.69'E	11	4	< 0.1	17	39	1.62	14	301	< 2	< 10
418	I-119	17°14.31'S	30° 4.98'E	9	4	0.1	19	38	1.76	11	75	< 2	< 10
419	I-120	17°14.30'S	30° 5.26'E	7	2	< 0.1	17	19	1.18	8	212	< 2	< 10
420	I-121	17°14.31'S	30° 5.54'E	10	1	< 0.1	17	23	1.51	13	159	< 2	10
421	I-122	17°14.31'S	30° 5.82'E	12	4	< 0.1	16	50	2.10	13	70	12	< 10
422	I-123	17°14.32'S	30° 6.09'E	11	3	< 0.1	11	41	1.80	7	61	< 2	10
423	I-124	17°14.58'S	30° 6.10'E	6	2	0.1	4	15	0.90	5	57	< 2	< 10
424	I-125	17°14.59'S	30° 5.81'E	9	3	0.1	5	30	1.77	8	92	< 2	10
425	I-126	17°14.57'S	30° 5.54'E	7	5	< 0.1	5	29	1.46	7	79	< 2	< 10
426	I-127	17°14.57'S	30° 5.26'E	6	< 1	< 0.1	7	21	1.28	6	86	< 2	< 10
427	I-128	17°14.59'S	30° 4.97'E	8	2	0.1	15	26	1.45	7	59	< 2	< 10
428	I-129	17°14.60'S	30° 4.69'E	8	2	0.1	12	22	1.50	5	50	< 2	< 10
429	I-130	17°14.58'S	30° 4.41'E	8	5	< 0.1	17	37	1.77	7	68	< 2	10
430	I-131	17°14.58'S	30° 4.11'E	11	4	< 0.1	12	43	1.94	7	40	< 2	10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
431	I-132	17°14.58'S	30° 3.85'E	16	9	0.2	12	63	2.39	15	163	5	10
432	I-133	17°14.59'S	30° 3.56'E	10	1	< 0.1	4	33	1.66	11	84	< 2	10
433	I-134	17°14.58'S	30° 3.28'E	9	1	0.2	4	23	1.35	4	35	< 2	10
434	I-135	17°14.30'S	30° 3.28'E	12	2	0.1	8	26	1.29	10	62	< 2	< 10
435	I-136	17°14.32'S	30° 3.56'E	10	3	0.1	8	31	1.40	10	40	< 2	< 10
436	I-137	17°14.32'S	30° 3.85'E	15	8	0.2	10	321	1.94	13	88	34	< 10
437	I-138	17°14.31'S	30° 4.13'E	12	8	< 0.1	16	47	1.99	13	240	30	< 10
438	K-102	17°19.48'S	30° 6.36'E	27	1	0.1	31	38	1.52	3	50	< 2	< 10
439	K-103	17°19.79'S	30° 6.39'E	32	< 1	0.3	36	40	1.94	5	58	< 2	< 10
440	K-104	17°20.01'S	30° 6.37'E	36	1	0.2	45	77	2.86	10	82	2	< 10
441	K-105	17°20.06'S	30° 6.17'E	19	< 1	0.1	60	21	0.74	3	81	< 2	< 10
442	K-106	17°20.28'S	30° 6.10'E	20	< 1	< 0.1	20	28	0.89	3	54	< 2	< 10
443	K-107	17°20.27'S	30° 6.37'E	70	4	0.5	43	79	2.96	11	120	< 2	< 10
444	K-108	17°20.54'S	30° 6.37'E	15	< 1	< 0.1	18	15	0.93	1	21	< 2	< 10
445	K-109	17°20.51'S	30° 6.12'E	34	1	0.2	34	39	1.56	4	53	< 2	< 10
446	K-110	17°20.78'S	30° 6.15'E	20	< 1	< 0.1	11	35	0.95	2	56	< 2	< 10
447	K-111	17°21.13'S	30° 6.07'E	28	< 1	0.4	29	207	0.55	< 1	17	14	< 10
448	K-112	17°21.38'S	30° 6.12'E	64	1	0.5	38	61	2.38	10	59	2	< 10
449	K-113	17°21.39'S	30° 6.40'E	42	2	< 0.1	37	97	3.06	8	77	4	< 10
450	K-114	17°21.13'S	30° 6.38'E	40	1	0.1	31	46	2.24	11	73	2	< 10
451	K-115	17°20.83'S	30° 6.32'E	30	< 1	0.5	51	17	0.61	4	47	< 2	< 10
452	S- 87	17°15.38'S	30° 4.39'E	10	3	< 0.1	19	51	2.26	9	68	< 2	< 10
453	S- 88	17°15.38'S	30° 4.67'E	7	< 1	< 0.1	12	50	2.18	8	69	< 2	< 10
454	S- 89	17°15.39'S	30° 4.95'E	6	< 1	< 0.1	21	38	1.83	9	69	< 2	< 10
455	S- 90	17°15.35'S	30° 5.22'E	18	5	< 0.1	29	58	2.46	6	66	< 2	< 10
456	S- 91	17°15.39'S	30° 5.53'E	13	2	0.2	15	190	1.54	3	43	18	< 10
457	S- 92	17°15.35'S	30° 5.79'E	10	4	< 0.1	19	37	1.95	6	42	< 2	< 10
458	S- 93	17°15.39'S	30° 6.10'E	15	2	< 0.1	5	34	1.88	8	56	< 2	< 10
459	S- 94	17°15.67'S	30° 6.10'E	37	5	< 0.1	23	41	2.16	8	80	< 2	< 10
460	S- 95	17°15.67'S	30° 5.81'E	28	7	< 0.1	17	46	2.42	8	43	< 2	< 10
461	S- 96	17°15.68'S	30° 5.53'E	14	4	< 0.1	19	65	2.35	8	57	< 2	< 10
462	S- 97	17°15.68'S	30° 5.27'E	15	3	< 0.1	23	58	2.24	8	104	< 2	< 10
463	S- 99	17°15.67'S	30° 4.68'E	8	< 1	< 0.1	13	52	2.35	10	46	< 2	< 10
464	S-100	17°15.68'S	30° 4.41'E	8	1	< 0.1	20	53	2.50	9	58	< 2	< 10
465	S-101	17°15.68'S	30° 4.13'E	13	< 1	< 0.1	15	29	1.72	6	39	< 2	< 10
466	S-102	17°15.66'S	30° 3.86'E	18	2	< 0.1	22	61	3.36	8	47	< 2	< 10
467	S-103	17°15.68'S	30° 3.60'E	6	5	< 0.1	15	56	2.93	10	100	6	< 10
468	S-105	17°15.38'S	30° 3.33'E	9	2	< 0.1	12	25	1.59	6	38	< 2	< 10
469	S-106	17°15.39'S	30° 3.56'E	8	3	< 0.1	11	38	2.17	5	45	3	< 10
470	S-107	17°15.38'S	30° 3.84'E	17	5	0.3	14	63	2.75	5	65	4	< 10
471	S-108	17°15.37'S	30° 4.11'E	14	12	0.3	21	58	2.80	8	55	3	< 10
472	Y- 98	17°15.11'S	30° 4.40'E	8	2	0.1	30	48	2.82	12	219	2	< 10
473	Y- 99	17°15.12'S	30° 4.68'E	7	4	0.2	38	69	2.93	11	51	2	< 10
474	Y-100	17°15.12'S	30° 4.96'E	9	2	0.2	30	45	2.45	8	44	< 2	< 10
475	Y-101	17°15.12'S	30° 5.25'E	15	3	0.2	6	52	1.09	12	156	27	10
476	Y-102	17°15.14'S	30° 5.56'E	12	3	0.1	5	32	1.04	9	89	31	10
477	Y-103	17°15.11'S	30° 5.82'E	19	5	0.4	9	164	1.24	10	143	13	10
478	Y-104	17°15.12'S	30° 6.10'E	14	2	< 0.1	< 2	28	1.08	10	231	< 2	< 10
479	Y-105	17°14.85'S	30° 6.09'E	17	9	0.1	6	21	0.90	9	52	< 2	< 10
480	Y-106	17°14.85'S	30° 5.83'E	15	3	0.5	6	26	1.11	8	48	< 2	< 10
481	Y-107	17°14.85'S	30° 5.55'E	13	2	0.6	8	34	1.12	10	54	< 2	< 10
482	Y-108	17°14.85'S	30° 5.25'E	10	< 1	0.2	2	16	0.78	4	38	< 2	< 10
483	Y-109	17°14.84'S	30° 4.97'E	10	< 1	< 0.1	9	26	0.91	6	52	2	< 10
484	Y-110	17°14.85'S	30° 4.69'E	10	1	0.2	8	25	0.98	6	43	< 2	< 10
485	Y-111	17°14.85'S	30° 4.41'E	10	< 1	< 0.1	6	13	0.78	4	36	2	< 10
486	Y-112	17°14.84'S	30° 4.13'E	8	2	< 0.1	7	21	0.70	3	43	< 2	< 10
487	Y-113	17°14.84'S	30° 3.86'E	14	4	0.1	7	33	1.20	10	160	7	< 10
488	Y-114	17°14.85'S	30° 3.57'E	10	< 1	< 0.1	3	17	0.81	7	41	2	< 10
489	Y-115	17°14.85'S	30° 3.29'E	7	< 1	< 0.1	3	17	0.64	3	47	< 2	< 10
490	Y-116	17°14.84'S	30° 3.00'E	16	1	0.5	9	27	1.24	8	70	2	< 10
491	Y-117	17°15.11'S	30° 3.01'E	10	< 1	0.4	11	19	0.90	5	62	< 2	< 10
492	Y-118	17°15.12'S	30° 3.27'E	7	< 1	< 0.1	3	128	0.66	5	115	8	< 10
493	Y-119	17°15.11'S	30° 3.55'E	10	< 1	0.4	5	27	0.85	14	76	2	< 10
494	Y-120	17°15.12'S	30° 3.85'E	11	4	0.4	7	24	1.13	8	100	5	< 10
495	Y-121	17°15.09'S	30° 4.13'E	14	3	0.2	9	35	1.32	8	91	6	< 10
496	I-139	17°14.58'S	30° 1.87'E	11	2	< 0.1	7	17	0.84	8	200	< 2	< 10
497	I-140	17°14.58'S	30° 2.15'E	14	2	< 0.1	2	16	0.91	6	118	< 2	< 10
498	I-141	17°14.58'S	30° 2.44'E	14	6	< 0.1	11	49	2.31	13	108	2	10
499	I-142	17°14.58'S	30° 2.72'E	12	3	0.1	14	46	2.00	11	149	< 2	10
500	I-143	17°14.58'S	30° 3.00'E	11	4	0.1	8	31	1.45	10	83	33	10
501	I-144	17°14.31'S	30° 3.00'E	9	5	< 0.1	3	36	1.67	10	86	< 2	10
502	I-145	17°14.32'S	30° 2.72'E	13	3	< 0.1	12	53	2.13	12	76	< 2	< 10
503	I-146	17°14.32'S	30° 2.44'E	7	1	< 0.1	3	17	0.85	4	98	< 2	< 10
504	I-147	17°14.31'S	30° 2.15'E	16	2	0.1	14	38	1.91	10	98	< 2	< 10
505	I-148	17°14.31'S	30° 1.88'E	80	2	0.3	12	23	1.46	8	47	< 2	10
506	I-149	17°14.27'S	30° 1.59'E	13	< 1	< 0.1	5	23	1.35	9	77	< 2	10
507	I-150	17°14.31'S	30° 1.30'E	11	< 1	< 0.1	< 2	9	0.73	6	71	< 2	10
508	I-151	17°14.31'S	30° 1.03'E	15	2	0.1	6	32	2.41	17	40	31	10
509	I-152	17°14.31'S	30° 0.74'E	29	1	< 0.1	13	63	4.58	17	70	58	10
510	I-153	17°14.31'S	30° 0.46'E	39	3	0.3	15	152	3.72	19	176	16	10
511	I-154	17°14.31'S	30° 0.24'E	21	< 1	< 0.1	< 2	< 2	1.38	9	190	< 2	10
512	I-155	17°14.58'S	30° 0.36'E	45	3	0.2	14	59	4.23	21	204	2	< 10
513	I-156	17°14.58'S	30° 0.52'E	42	1	0.1	18	65	5.43	19	88	< 2	< 10
514	I-157	17°14.59'S	30° 0.74'E	41	2	0.1	9	57	4.85	21	170	< 2	< 10
515	I-158	17°14.58'S	30° 1.03'E	28	3	0.1	9	11	1.99	12	62	< 2	< 10
516	I-159	17°14.59'S	30° 1.32'E	1	< 1	< 0.1	< 2	< 2	0.83	4	94	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
517	I-160	17°14.59'S	30° 1.58'E	8	< 1	< 0.1	< 2	< 2	1.04	3	60	< 2	< 10
518	Y-122	17°15.14'S	30° 1.66'E	20	< 1	0.1	< 2	7	0.38	2	34	< 2	< 10
519	Y-123	17°15.12'S	30° 1.30'E	8	< 1	< 0.1	4	33	0.41	1	23	7	< 10
520	Y-124	17°15.04'S	30° 1.04'E	14	< 1	0.1	< 2	12	0.48	3	38	2	< 10
521	Y-125	17°15.12'S	30° 0.75'E	21	< 1	0.1	4	16	0.90	8	86	4	< 10
522	Y-126	17°15.12'S	30° 0.46'E	27	< 1	< 0.1	5	9	0.66	4	32	2	< 10
523	Y-127	17°15.12'S	30° 0.19'E	37	< 1	< 0.1	7	27	1.21	13	66	3	< 10
524	Y-128	17°14.85'S	30° 0.18'E	47	< 1	< 0.1	17	52	1.88	12	84	4	< 10
525	Y-129	17°14.84'S	30° 0.45'E	36	< 1	< 0.1	9	45	2.04	11	93	2	< 10
526	Y-130	17°14.85'S	30° 0.75'E	44	< 1	0.2	11	52	2.43	17	55	2	< 10
527	Y-131	17°14.85'S	30° 1.02'E	36	< 1	< 0.1	13	46	1.25	11	53	5	< 10
528	Y-132	17°14.85'S	30° 1.31'E	7	< 1	0.1	4	7	0.43	< 1	11	< 2	< 10
529	Y-133	17°14.86'S	30° 1.60'E	16	< 1	< 0.1	6	32	0.72	11	79	6	< 10
530	Y-134	17°14.85'S	30° 1.87'E	26	2	< 0.1	9	26	1.66	6	37	2	< 10
531	Y-135	17°14.85'S	30° 2.14'E	17	< 1	< 0.1	4	11	0.67	6	26	< 2	< 10
532	Y-136	17°14.85'S	30° 2.43'E	321	1	0.3	6	27	0.94	5	57	< 2	< 10
533	Y-137	17°14.85'S	30° 2.71'E	13	< 1	0.2	9	24	1.10	9	50	2	< 10
534	Y-138	17°15.13'S	30° 2.71'E	35	5	0.4	11	48	1.30	7	97	< 2	< 10
535	Y-139	17°15.12'S	30° 2.44'E	50	8	0.2	6	41	1.18	9	82	< 2	< 10
536	Y-140	17°15.12'S	30° 2.14'E	12	< 1	< 0.1	7	14	0.71	9	240	< 2	< 10
537	Y-141	17°15.13'S	30° 1.86'E	15	6	0.7	8	23	1.06	9	89	< 2	< 10
538	Y-142	17°18.10'S	30° 5.54'E	20	1	0.2	5	20	0.90	7	46	< 2	< 10
539	Y-143	17°18.09'S	30° 5.82'E	10	< 1	< 0.1	< 2	8	0.22	< 1	20	2	< 10
540	Y-144	17°18.10'S	30° 6.10'E	25	3	< 0.1	11	21	1.07	11	96	2	< 10
541	K-116	17°19.72'S	30° 6.63'E	36	3	< 0.1	32	60	2.29	8	89	5	< 10
542	K-117	17°20.02'S	30° 6.62'E	33	2	< 0.1	27	54	2.01	10	113	4	< 10
543	K-118	17°20.27'S	30° 6.64'E	33	2	< 0.1	30	60	1.96	8	72	3	< 10
544	K-119	17°20.54'S	30° 6.64'E	30	1	< 0.1	43	51	1.95	10	179	< 2	< 10
545	K-120	17°20.79'S	30° 6.63'E	29	2	< 0.1	22	767	1.68	6	95	102	< 10
546	K-121	17°21.11'S	30° 6.67'E	24	1	< 0.1	35	62	2.28	5	93	10	< 10
547	K-122	17°21.23'S	30° 6.66'E	42	2	0.1	38	148	3.48	24	127	8	10
548	K-123	17°21.35'S	30° 6.82'E	39	< 1	< 0.1	29	92	2.87	5	78	5	10
549	K-124	17°21.06'S	30° 6.91'E	46	2	< 0.1	32	161	3.20	14	144	6	10
550	K-125	17°20.82'S	30° 6.91'E	28	< 1	< 0.1	29	54	2.28	7	118	3	10
551	K-126	17°20.54'S	30° 6.93'E	32	1	< 0.1	15	45	1.71	5	51	6	< 10
552	K-127	17°20.28'S	30° 6.92'E	36	1	< 0.1	8	59	2.20	6	75	6	< 10
553	K-128	17°20.01'S	30° 6.93'E	44	< 1	< 0.1	9	55	2.43	6	62	44	< 10
554	K-129	17°19.75'S	30° 6.93'E	31	1	< 0.1	11	42	1.67	3	48	7	< 10
555	K-130	17°19.46'S	30° 6.91'E	30	1	< 0.1	3	51	1.77	6	75	4	10
556	K-131	17°19.19'S	30° 6.91'E	28	< 1	< 0.1	22	38	1.54	8	70	2	< 10
557	K-132	17°18.94'S	30° 6.91'E	28	< 1	< 0.1	15	23	1.11	5	71	3	< 10
558	K-133	17°18.92'S	30° 6.65'E	21	< 1	< 0.1	11	14	0.82	3	54	< 2	< 10
559	K-134	17°19.25'S	30° 6.61'E	37	2	< 0.1	20	40	1.71	8	62	4	< 10
560	K-135	17°19.47'S	30° 6.65'E	40	1	< 0.1	12	42	1.93	12	97	3	< 10
561	I-161	17°15.67'S	30° 6.37'E	100	6	< 0.1	10	13	2.45	12	118	< 2	< 10
562	I-162	17°15.38'S	30° 6.38'E	32	7	0.1	24	11	2.26	13	197	< 2	10
563	I-163	17°15.12'S	30° 6.38'E	16	4	0.2	13	< 2	1.84	8	61	< 2	< 10
564	I-164	17°14.85'S	30° 6.32'E	14	4	< 0.1	20	14	2.33	11	88	< 2	< 10
565	I-165	17°14.58'S	30° 6.38'E	4	3	< 0.1	< 2	< 2	1.21	5	36	< 2	< 10
566	I-166	17°14.30'S	30° 6.39'E	14	5	0.1	19	< 2	1.90	8	48	< 2	< 10
567	I-167	17°14.31'S	30° 6.67'E	9	3	< 0.1	8	4	1.38	9	67	< 2	< 10
568	I-168	17°14.58'S	30° 6.66'E	13	15	0.4	11	103	1.61	10	60	17	< 10
569	I-169	17°14.86'S	30° 6.66'E	11	4	0.1	14	11	2.00	11	131	< 2	< 10
570	I-170	17°15.08'S	30° 6.66'E	13	5	< 0.1	8	< 2	1.45	10	115	< 2	< 10
571	I-171	17°15.39'S	30° 6.68'E	25	3	< 0.1	27	12	1.99	13	57	< 2	10
572	I-172	17°15.67'S	30° 6.66'E	10	2	< 0.1	8	< 2	0.82	6	71	< 2	< 10
573	I-173	17°15.94'S	30° 6.67'E	11	4	0.2	13	77	1.51	6	53	17	< 10
574	I-174	17°16.21'S	30° 6.67'E	93	2	0.1	129	137	1.58	10	54	< 2	< 10
575	I-175	17°16.48'S	30° 6.68'E	8	2	< 0.1	9	< 2	1.06	5	64	< 2	< 10
576	I-176	17°16.75'S	30° 6.67'E	14	3	< 0.1	23	< 2	1.34	7	53	< 2	< 10
577	I-177	17°17.02'S	30° 6.68'E	8	1	< 0.1	9	< 2	0.90	4	79	< 2	< 10
578	I-178	17°17.29'S	30° 6.68'E	22	3	0.1	28	9	1.31	9	56	< 2	< 10
579	I-179	17°17.55'S	30° 6.67'E	23	< 1	< 0.1	63	20	0.78	3	70	< 2	< 10
580	I-180	17°17.83'S	30° 6.67'E	8	< 1	< 0.1	18	< 2	0.46	3	82	< 2	< 10
581	I-181	17°18.10'S	30° 6.66'E	8	< 1	< 0.1	13	< 2	1.04	7	132	< 2	< 10
582	I-182	17°18.10'S	30° 6.38'E	8	3	0.1	19	< 2	0.75	4	54	< 2	< 10
583	I-183	17°17.83'S	30° 6.37'E	9	2	0.1	15	26	1.17	9	227	3	< 10
584	I-184	17°17.56'S	30° 6.40'E	10	1	< 0.1	13	< 2	1.53	8	136	< 2	< 10
585	I-185	17°17.29'S	30° 6.38'E	11	2	< 0.1	6	< 2	1.45	6	56	< 2	< 10
586	I-186	17°17.02'S	30° 6.39'E	13	3	< 0.1	16	< 2	1.26	6	68	< 2	< 10
587	I-187	17°16.75'S	30° 6.37'E	7	2	< 0.1	16	< 2	0.93	8	125	< 2	< 10
588	I-188	17°16.48'S	30° 6.38'E	11	3	< 0.1	21	< 2	1.73	10	58	< 2	< 10
589	I-189	17°16.20'S	30° 6.37'E	20	3	0.2	10	12	2.44	11	78	< 2	< 10
590	I-190	17°15.90'S	30° 6.38'E	25	4	0.1	22	8	2.37	9	56	< 2	< 10
591	Y-145	17°15.68'S	30° 1.58'E	181	1	0.5	12	23	1.19	17	114	20	< 10
592	Y-146	17°15.67'S	30° 1.32'E	23	< 1	0.8	6	11	0.70	6	40	4	< 10
593	Y-147	17°15.66'S	30° 1.03'E	8	< 1	0.1	6	7	0.41	< 1	36	< 2	< 10
594	Y-148	17°15.67'S	30° 0.74'E	21	2	< 0.1	5	13	0.68	7	98	3	< 10
595	Y-149	17°15.67'S	30° 0.46'E	24	2	< 0.1	5	17	0.89	10	51	3	< 10
596	Y-150	17°15.65'S	30° 0.15'E	41	1	< 0.1	16	72	2.75	17	63	3	< 10
597	Y-151	17°15.39'S	30° 0.18'E	25	2	0.4	6	16	0.91	12	53	2	< 10
598	Y-152	17°15.40'S	30° 0.44'E	16	< 1	0.3	< 2	7	0.52	6	18	2	< 10
599	Y-153	17°15.39'S	30° 0.74'E	32	< 1	< 0.1	11	35	1.02	7	51	4	< 10
600	Y-154	17°15.56'S	30° 1.04'E	8	< 1	< 0.1	3	7	0.28	1	8	< 2	< 10
601	Y-155	17°15.39'S	30° 1.32'E	9	< 1	< 0.1	2	6	0.34	< 1	17	< 2	< 10
602	Y-156	17°15.39'S	30° 1.59'E	13	< 1	0.1	< 2	124	0.31	< 1	8	7	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
603	Y-157	17°15.39'S	30° 1.88'E	16	4	0.4	5	13	0.87	11	50	2	< 10
604	Y-158	17°15.40'S	30° 2.14'E	21	2	< 0.1	6	16	0.88	8	59	2	< 10
605	Y-159	17°15.39'S	30° 2.45'E	22	3	0.4	9	27	1.01	6	79	2	< 10
606	Y-160	17°15.38'S	30° 2.72'E	21	3	0.8	8	28	1.13	6	74	< 2	< 10
607	Y-161	17°15.39'S	30° 3.00'E	3	2	< 0.1	13	19	1.05	6	74	< 2	< 10
608	Y-162	17°15.67'S	30° 3.00'E	9	4	0.3	18	946	1.27	11	71	2	< 10
609	Y-163	17°15.67'S	30° 2.73'E	29	4	0.1	11	11	0.97	7	51	< 2	< 10
610	Y-164	17°15.67'S	30° 2.43'E	6	1	< 0.1	5	5	0.65	7	51	< 2	< 10
611	Y-165	17°15.67'S	30° 2.16'E	5	< 1	< 0.1	9	141	0.46	4	36	18	< 10
612	Y-166	17°15.67'S	30° 1.87'E	3	< 1	< 0.1	< 2	< 2	0.60	5	34	< 2	< 10
613	Y-167	17°18.92'S	30° 6.10'E	25	1	< 0.1	7	4	0.59	6	44	3	< 10
614	Y-168	17°18.92'S	30° 5.83'E	27	1	0.1	8	15	0.70	10	52	3	< 10
615	Y-169	17°18.66'S	30° 5.81'E	14	3	< 0.1	5	< 2	0.41	3	25	< 2	< 10
616	Y-170	17°18.65'S	30° 6.09'E	11	1	< 0.1	6	< 2	0.52	5	14	3	< 10
617	S- 98	17°15.67'S	30° 4.98'E	30	4	0.2	64	3751	2.73	9	68	14	< 10
618	S-104	17°15.66'S	30° 3.29'E	15	3	< 0.1	34	2085	2.44	17	76	2	< 10
619	N- 1	17°14.31'S	30° 6.96'E	10	< 1	< 0.1	19	9	0.90	9	24	32	< 10
620	N- 2	17°14.58'S	30° 6.95'E	14	4	0.3	11	32	1.78	10	40	< 2	< 10
621	N- 3	17°14.85'S	30° 6.95'E	20	3	0.2	16	31	1.87	10	36	< 2	< 10
622	N- 4	17°15.12'S	30° 6.95'E	13	< 1	0.2	20	24	1.31	9	29	< 2	< 10
623	N- 5	17°15.39'S	30° 6.95'E	27	< 1	0.5	17	44	1.37	10	43	< 2	< 10
624	N- 6	17°15.67'S	30° 6.95'E	17	< 1	0.2	17	19	0.93	8	29	29	< 10
625	N- 7	17°15.94'S	30° 6.95'E	17	< 1	0.3	9	13	0.77	7	50	< 2	< 10
626	N- 8	17°16.20'S	30° 6.95'E	20	< 1	0.2	16	13	0.73	7	18	< 2	< 10
627	N- 9	17°16.48'S	30° 6.95'E	13	< 1	< 0.1	16	17	0.98	9	45	< 2	< 10
628	N- 10	17°16.75'S	30° 6.95'E	9	< 1	0.2	11	8	0.61	5	18	< 2	< 10
629	N- 11	17°17.03'S	30° 6.95'E	11	< 1	< 0.1	35	22	0.52	7	43	< 2	< 10
630	N- 12	17°17.29'S	30° 6.95'E	9	< 1	< 0.1	13	11	0.80	8	29	< 2	< 10
631	N- 13	17°17.56'S	30° 6.95'E	22	< 1	0.2	16	26	1.23	9	30	< 2	< 10
632	N- 14	17°17.83'S	30° 7.03'E	9	< 1	0.4	27	20	0.62	4	30	3	< 10
633	N- 15	17°18.10'S	30° 6.95'E	22	1	0.1	19	39	1.53	8	62	29	< 10
634	N- 16	17°18.37'S	30° 6.95'E	72	< 1	0.1	23	293	1.78	9	77	45	< 10
635	N- 17	17°18.65'S	30° 6.95'E	12	< 1	< 0.1	15	15	0.90	4	55	4	< 10
636	N- 18	17°18.65'S	30° 6.67'E	34	< 1	< 0.1	22	19	0.67	4	40	2	< 10
637	N- 19	17°18.37'S	30° 6.67'E	37	< 1	< 0.1	7	11	0.59	1	21	< 2	< 10
638	K-136	17°14.04'S	30° 4.79'E	17	3	0.2	8	51	2.46	11	69	7	< 10
639	K-137	17°13.99'S	30° 4.94'E	11	2	< 0.1	25	68	3.61	24	79	10	< 10
640	K-138	17°14.03'S	30° 5.26'E	6	< 1	< 0.1	25	40	1.58	5	129	< 2	< 10
641	K-139	17°14.00'S	30° 5.52'E	5	< 1	0.1	5	18	1.03	3	70	< 2	< 10
642	K-140	17°14.06'S	30° 5.82'E	2	< 1	< 0.1	10	11	0.57	< 1	44	< 2	< 10
643	K-141	17°14.04'S	30° 6.08'E	7	3	0.1	5	44	1.81	8	137	< 2	< 10
644	K-142	17°14.05'S	30° 6.37'E	18	8	1.0	10	644	1.90	6	74	67	< 10
645	K-143	17°14.07'S	30° 6.65'E	10	5	0.8	5	33	1.86	7	63	44	< 10
646	K-144	17°14.02'S	30° 6.93'E	35	6	0.2	22	30	2.13	9	62	< 2	< 10
647	K-145	17°13.78'S	30° 6.95'E	16	5	< 0.1	11	28	1.79	8	61	< 2	< 10
648	K-146	17°13.79'S	30° 6.65'E	10	14	0.3	9	41	2.12	6	105	< 2	< 10
649	K-147	17°13.79'S	30° 6.34'E	10	2	0.3	15	76	1.87	4	94	< 2	< 10
650	K-148	17°13.79'S	30° 6.05'E	6	< 1	0.1	12	36	1.18	4	71	38	< 10
651	K-149	17°13.78'S	30° 5.73'E	5	< 1	0.1	9	29	0.92	3	118	< 2	< 10
652	K-150	17°13.78'S	30° 5.42'E	6	< 1	0.3	10	27	1.19	< 1	22	< 2	< 10
653	K-151	17°13.79'S	30° 5.08'E	9	1	< 0.1	20	63	2.25	8	64	2	< 10
654	K-152	17°13.79'S	30° 4.79'E	12	6	< 0.1	17	79	2.55	8	79	3	< 10
655	K-153	17°13.79'S	30° 4.54'E	13	5	< 0.1	13	69	2.49	9	66	10	< 10
656	I-191	17°12.41'S	30° 2.15'E	10	< 1	< 0.1	23	8	2.63	11	233	< 2	< 10
657	I-192	17°12.42'S	30° 1.88'E	2	< 1	< 0.1	7	< 2	0.95	3	137	< 2	< 10
658	I-193	17°12.40'S	30° 1.59'E	2	< 1	< 0.1	7	39	0.99	3	70	6	< 10
659	I-194	17°12.41'S	30° 1.31'E	9	< 1	< 0.1	16	< 2	1.49	5	133	< 2	< 10
660	I-195	17°12.41'S	30° 1.03'E	31	< 1	0.1	11	< 2	2.22	12	213	17	< 10
661	I-196	17°12.42'S	30° 0.74'E	15	< 1	0.2	18	4	2.04	13	88	< 2	< 10
662	I-197	17°12.42'S	30° 0.46'E	24	< 1	0.3	16	22	2.78	10	72	< 2	< 10
663	I-198	17°12.41'S	30° 0.17'E	30	< 1	< 0.1	20	21	2.32	13	66	< 2	< 10
664	I-199	17°12.14'S	30° 0.18'E	57	< 1	< 0.1	5	< 2	1.35	5	95	< 2	< 10
665	I-200	17°12.13'S	30° 0.46'E	20	< 1	< 0.1	17	4	1.59	9	203	< 2	< 10
666	I-201	17°12.13'S	30° 0.74'E	22	6	0.2	24	57	2.10	13	50	27	10
667	I-202	17°12.14'S	30° 1.03'E	17	1	< 0.1	9	16	1.35	10	37	7	< 10
668	I-203	17°12.15'S	30° 1.29'E	25	2	< 0.1	10	97	1.77	9	51	11	< 10
669	I-204	17°12.14'S	30° 1.59'E	12	< 1	< 0.1	15	19	1.19	7	58	< 2	10
670	I-205	17°12.15'S	30° 1.87'E	5	< 1	< 0.1	8	7	0.55	3	78	< 2	< 10
671	I-206	17°12.14'S	30° 2.15'E	4	< 1	< 0.1	5	11	0.65	1	23	< 2	< 10
672	I-207	17°12.14'S	30° 2.44'E	12	< 1	< 0.1	6	10	0.61	1	22	< 2	< 10
673	I-208	17°12.13'S	30° 2.72'E	6	< 1	< 0.1	12	15	0.91	5	40	< 2	< 10
674	I-209	17°12.14'S	30° 2.99'E	13	4	< 0.1	26	37	1.85	16	137	2	< 10
675	I-210	17°12.15'S	30° 3.28'E	8	3	< 0.1	31	41	2.03	10	196	< 2	< 10
676	I-211	17°12.40'S	30° 3.28'E	11	3	0.2	24	41	2.06	9	125	< 2	< 10
677	I-212	17°12.42'S	30° 3.00'E	17	4	0.2	19	48	1.97	7	69	< 2	20
678	I-213	17°12.41'S	30° 2.72'E	8	1	< 0.1	15	13	1.02	5	122	< 2	< 10
679	I-214	17°12.41'S	30° 2.44'E	9	< 1	0.1	8	9	0.55	1	32	< 2	< 10
680	S-109	17°13.49'S	30° 1.87'E	1	9	0.2	7	2	0.45	2	48	< 2	< 10
681	S-110	17°13.55'S	30° 1.49'E	3	5	< 0.1	11	9	0.67	3	16	< 2	< 10
682	S-111	17°13.49'S	30° 1.31'E	6	4	< 0.1	8	9	0.67	5	72	< 2	< 10
683	S-112	17°13.50'S	30° 1.04'E	7	5	0.3	7	12	0.84	5	50	< 2	< 10
684	S-113	17°13.47'S	30° 0.70'E	11	10	< 0.1	9	38	1.26	3	32	4	< 10
685	S-114	17°13.49'S	30° 0.46'E	21	5	0.2	14	23	1.66	6	51	4	< 10
686	S-115	17°13.54'S	30° 0.13'E	17	2	0.2	5	16	1.57	6	72	2	< 10
687	S-116	17°13.22'S	30° 0.18'E	63	4	0.1	20	37	2.72	15	86	2	< 10
688	S-117	17°13.21'S	30° 0.44'E	46	2	0.2	21	39	2.38	10	65	2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
689	S-118	17°13.23'S	30° 0.74'E	5	3	< 0.1	5	11	1.33	4	33	< 2	< 10
690	S-119	17°13.22'S	30° 1.03'E	8	1	0.1	18	17	1.38	6	58	2	< 10
691	S-120	17°13.24'S	30° 1.30'E	4	3	0.1	2	8	0.57	4	37	< 2	< 10
692	S-121	17°13.02'S	30° 1.61'E	2	5	0.2	10	8	0.84	2	37	< 2	< 10
693	S-122	17°13.22'S	30° 1.86'E	5	4	0.2	< 2	9	0.69	2	21	< 2	< 10
694	S-123	17°13.22'S	30° 2.13'E	12	2	< 0.1	11	13	1.06	8	61	< 2	< 10
695	S-124	17°13.23'S	30° 2.43'E	8	5	< 0.1	14	17	1.45	7	55	< 2	< 10
696	S-125	17°13.23'S	30° 2.70'E	2	4	< 0.1	16	15	1.06	5	32	< 2	< 10
697	S-126	17°13.23'S	30° 3.00'E	9	2	< 0.1	38	81	2.75	10	97	< 2	< 10
698	S-127	17°13.24'S	30° 3.26'E	11	3	0.3	18	23	1.28	7	61	56	20
699	S-128	17°13.19'S	30° 3.59'E	19	3	< 0.1	18	19	2.01	21	105	69	10
700	S-129	17°13.50'S	30° 3.26'E	15	< 1	< 0.1	17	110	1.48	9	107	42	< 10
701	S-130	17°13.52'S	30° 3.01'E	13	5	< 0.1	12	12	1.28	7	79	3	< 10
702	S-131	17°13.48'S	30° 2.77'E	15	< 1	< 0.1	11	12	1.21	7	69	2	< 10
703	S-132	17°13.50'S	30° 2.45'E	6	1	< 0.1	6	< 2	0.25	< 1	13	< 2	< 10
704	S-133	17°13.50'S	30° 2.16'E	5	2	< 0.1	< 2	< 2	0.29	1	27	< 2	< 10
705	Y-171	17°12.96'S	30° 2.14'E	7	< 1	0.4	8	6	0.72	4	31	< 2	< 10
706	Y-172	17°12.96'S	30° 1.87'E	2	< 1	< 0.1	2	< 2	0.35	1	8	5	< 10
707	Y-173	17°12.96'S	30° 1.59'E	2	< 1	0.4	3	< 2	0.31	< 1	3	< 2	< 10
708	Y-174	17°12.96'S	30° 1.31'E	5	< 1	0.1	5	< 2	0.35	3	11	< 2	< 10
709	Y-175	17°12.97'S	30° 1.02'E	13	< 1	0.1	3	3	0.90	5	31	3	< 10
710	Y-176	17°12.97'S	30° 0.73'E	19	1	0.1	7	2	0.78	6	25	2	< 10
711	Y-177	17°12.96'S	30° 0.46'E	31	2	< 0.1	7	< 2	0.65	5	31	2	< 10
712	Y-178	17°12.97'S	30° 0.18'E	78	1	< 0.1	9	25	1.68	15	68	2	< 10
713	Y-179	17°12.69'S	30° 0.18'E	33	2	< 0.1	15	89	3.52	23	61	4	< 10
714	Y-180	17°12.69'S	30° 0.45'E	31	1	< 0.1	11	21	1.21	10	65	2	< 10
715	Y-181	17°12.69'S	30° 0.74'E	26	2	0.2	10	5	0.89	6	41	2	< 10
716	Y-182	17°12.68'S	30° 1.02'E	10	< 1	< 0.1	3	4	0.87	7	29	3	< 10
717	Y-183	17°12.69'S	30° 1.31'E	9	< 1	0.2	2	3	0.68	6	40	< 2	< 10
718	Y-184	17°12.69'S	30° 1.58'E	18	< 1	< 0.1	7	2	0.72	1	36	< 2	< 10
719	Y-185	17°12.69'S	30° 1.86'E	2	< 1	0.1	< 2	< 2	0.50	1	24	< 2	< 10
720	Y-186	17°12.68'S	30° 2.14'E	4	< 1	< 0.1	< 2	< 2	0.36	< 1	20	< 2	< 10
721	Y-187	17°12.68'S	30° 2.43'E	5	< 1	0.1	4	54	0.35	< 1	10	4	< 10
722	Y-188	17°12.69'S	30° 2.71'E	3	< 1	< 0.1	3	< 2	0.31	1	17	4	< 10
723	Y-189	17°12.69'S	30° 3.00'E	2	2	< 0.1	7	< 2	0.51	3	20	< 2	< 10
724	Y-190	17°12.96'S	30° 3.00'E	8	2	< 0.1	9	16	1.04	10	50	2	< 10
725	Y-191	17°12.96'S	30° 2.73'E	6	1	< 0.1	10	13	0.54	4	73	< 2	< 10
726	Y-192	17°12.96'S	30° 2.45'E	4	< 1	< 0.1	3	2	0.69	2	27	< 2	< 10
727	K-154	17°14.06'S	30° 4.35'E	12	7	0.1	15	85	2.82	9	84	4	< 10
728	K-155	17°14.04'S	30° 4.14'E	12	4	< 0.1	13	60	2.26	7	93	2	< 10
729	K-156	17°14.04'S	30° 3.86'E	16	12	0.5	35	85	2.94	12	82	27	20
730	K-157	17°14.05'S	30° 3.58'E	12	5	< 0.1	27	56	2.16	7	75	54	10
731	K-158	17°14.04'S	30° 3.28'E	15	2	< 0.1	25	190	1.63	7	52	24	10
732	K-159	17°14.04'S	30° 3.00'E	10	4	0.2	24	52	1.98	8	75	3	10
733	K-160	17°14.05'S	30° 2.73'E	40	17	< 0.1	25	71	3.03	7	82	2	< 10
734	K-161	17°14.03'S	30° 2.44'E	7	< 1	0.2	9	15	0.96	1	16	< 2	< 10
735	K-162	17°14.04'S	30° 2.15'E	13	3	< 0.1	12	32	1.77	4	41	< 2	< 10
736	K-163	17°14.04'S	30° 1.87'E	11	< 1	< 0.1	5	3	0.41	< 1	10	< 2	< 10
737	K-164	17°14.04'S	30° 1.59'E	9	< 1	< 0.1	7	11	0.87	2	21	< 2	< 10
738	K-165	17°14.04'S	30° 1.31'E	24	1	< 0.1	13	27	1.60	8	66	< 2	< 10
739	K-166	17°14.03'S	30° 1.04'E	44	2	0.2	19	89	2.91	14	92	5	< 10
740	K-167	17°14.04'S	30° 0.72'E	32	3	< 0.1	9	47	2.24	6	58	2	10
741	K-168	17°14.04'S	30° 0.46'E	17	< 1	< 0.1	3	20	1.16	5	75	2	< 10
742	K-169	17°14.04'S	30° 0.17'E	46	1	< 0.1	12	38	2.51	7	60	2	< 10
743	K-170	17°13.78'S	30° 0.18'E	44	2	< 0.1	9	52	2.60	11	74	2	< 10
744	K-171	17°13.77'S	30° 0.46'E	18	< 1	< 0.1	5	25	1.62	5	59	2	< 10
745	K-172	17°13.77'S	30° 0.74'E	9	< 1	< 0.1	< 2	3	0.69	2	25	< 2	< 10
746	K-173	17°13.78'S	30° 1.03'E	11	< 1	< 0.1	6	72	0.96	3	22	11	< 10
747	K-174	17°13.77'S	30° 1.30'E	10	< 1	< 0.1	5	8	0.74	4	23	2	< 10
748	K-175	17°13.73'S	30° 1.66'E	8	< 1	< 0.1	< 2	3	0.44	1	9	< 2	< 10
749	K-176	17°13.77'S	30° 1.91'E	10	< 1	< 0.1	< 2	6	0.58	2	45	< 2	< 10
750	K-177	17°13.76'S	30° 2.14'E	9	< 1	< 0.1	< 2	4	0.57	1	7	< 2	< 10
751	K-178	17°13.78'S	30° 2.46'E	11	< 1	0.1	5	74	0.81	5	52	15	< 10
752	K-179	17°13.77'S	30° 2.78'E	20	8	0.2	13	63	2.59	9	101	2	< 10
753	K-180	17°13.79'S	30° 2.99'E	10	3	0.2	4	31	1.81	4	55	< 2	< 10
754	K-181	17°13.78'S	30° 3.28'E	12	3	0.1	2	36	1.71	6	52	< 2	< 10
755	K-182	17°13.71'S	30° 3.69'E	14	3	0.2	< 2	55	2.30	7	76	3	< 10
756	K-183	17°13.78'S	30° 3.85'E	10	4	0.3	12	67	2.46	10	86	9	< 10
757	K-184	17°13.77'S	30° 4.13'E	8	3	< 0.1	13	50	1.97	6	54	7	< 10
758	K-185	17°13.76'S	30° 4.41'E	12	3	< 0.1	7	44	2.01	12	63	4	10
759	I-215	17°12.12'S	30° 5.25'E	6	2	0.1	21	20	0.76	< 1	17	< 2	< 10
760	I-216	17°12.14'S	30° 5.55'E	13	2	< 0.1	19	54	2.25	20	58	< 2	< 10
761	I-217	17°12.14'S	30° 5.82'E	13	1	< 0.1	33	44	1.85	10	80	< 2	< 10
762	I-218	17°12.14'S	30° 6.12'E	13	6	< 0.1	15	148	1.93	11	65	14	< 10
763	I-219	17°12.15'S	30° 6.38'E	10	3	< 0.1	32	55	2.14	5	48	< 2	< 10
764	I-220	17°12.41'S	30° 6.38'E	9	3	< 0.1	26	45	1.32	6	55	< 2	< 10
765	I-221	17°12.41'S	30° 6.05'E	5	2	< 0.1	12	38	1.26	9	140	< 2	< 10
766	I-222	17°12.42'S	30° 5.82'E	9	3	< 0.1	19	38	1.71	12	127	< 2	< 10
767	I-223	17°12.41'S	30° 5.55'E	7	4	< 0.1	16	252	2.03	14	61	48	< 10
768	I-224	17°12.42'S	30° 5.26'E	6	6	0.3	9	34	1.26	6	79	< 2	< 10
769	I-225	17°12.40'S	30° 4.97'E	5	< 1	< 0.1	22	25	1.47	2	21	< 2	< 10
770	I-226	17°12.41'S	30° 4.69'E	18	5	0.1	9	40	1.85	14	149	< 2	< 10
771	I-227	17°12.41'S	30° 4.40'E	6	4	< 0.1	6	204	1.92	10	90	2	< 10
772	I-228	17°12.41'S	30° 4.15'E	5	5	< 0.1	12	39	1.78	11	66	5	< 10
773	I-229	17°12.41'S	30° 3.86'E	6	5	< 0.1	15	31	1.67	5	57	2	< 10
774	I-230	17°12.41'S	30° 3.56'E	3	< 1	< 0.1	17	17	0.91	4	49	< 2	< 10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
775	I-231	17°12.14'S	30° 3.55'E	5	6	< 0.1	12	26	1.16	7	82	< 2	< 10
776	I-232	17°12.14'S	30° 3.84'E	7	31	< 0.1	22	39	2.15	7	93	< 2	< 10
777	I-233	17°12.15'S	30° 4.14'E	5	5	< 0.1	20	249	1.62	9	248	37	< 10
778	I-234	17°12.15'S	30° 4.41'E	6	13	< 0.1	12	35	1.73	6	87	2	< 10
779	I-235	17°12.14'S	30° 4.68'E	14	19	< 0.1	3	24	1.09	4	38	< 2	< 10
780	I-236	17°12.15'S	30° 4.99'E	7	< 1	< 0.1	11	17	1.29	3	25	< 2	< 10
781	K-186	17°12.40'S	30° 6.96'E	19	< 1	< 0.1	14	49	1.78	9	48	< 2	< 10
782	K-187	17°12.68'S	30° 6.94'E	22	< 1	< 0.1	< 2	31	1.92	9	88	< 2	< 10
783	K-188	17°12.96'S	30° 6.96'E	28	2	< 0.1	6	297	2.21	9	99	34	< 10
784	K-189	17°13.20'S	30° 6.94'E	19	3	< 0.1	3	35	1.47	6	58	< 2	< 10
785	K-190	17°13.54'S	30° 6.95'E	20	6	< 0.1	< 2	51	2.34	9	74	< 2	< 10
786	K-191	17°13.49'S	30° 6.67'E	12	1	< 0.1	< 2	42	1.95	7	33	< 2	< 10
787	K-192	17°13.26'S	30° 6.69'E	11	< 1	< 0.1	6	47	1.96	7	36	< 2	< 10
788	K-193	17°12.97'S	30° 6.65'E	16	< 1	< 0.1	11	31	1.68	5	37	< 2	< 10
789	K-194	17°12.69'S	30° 6.65'E	8	2	< 0.1	< 2	44	1.53	10	43	< 2	< 10
790	K-195	17°12.42'S	30° 6.66'E	9	20	< 0.1	14	67	2.02	7	58	< 2	< 10
791	K-196	17°12.13'S	30° 6.66'E	10	17	0.2	6	50	1.67	5	39	< 2	< 10
792	K-197	17°12.14'S	30° 6.95'E	20	5	< 0.1	13	51	2.02	12	58	2	< 10
793	Y-193	17°12.69'S	30° 6.39'E	2	5	< 0.1	6	27	1.06	4	36	19	< 10
794	Y-194	17°12.69'S	30° 6.09'E	4	3	< 0.1	< 2	16	1.08	8	48	3	< 10
795	Y-195	17°12.69'S	30° 5.82'E	8	4	< 0.1	11	21	1.15	8	44	< 2	< 10
796	Y-196	17°12.68'S	30° 5.53'E	2	< 1	< 0.1	8	14	0.91	5	43	< 2	< 10
797	Y-197	17°12.68'S	30° 5.26'E	18	45	0.2	16	22	1.58	16	51	< 2	< 10
798	Y-198	17°12.69'S	30° 4.98'E	2	< 1	< 0.1	8	< 2	0.40	< 1	14	< 2	< 10
799	Y-199	17°12.69'S	30° 4.70'E	20	83	< 0.1	8	17	1.15	10	61	< 2	< 10
800	Y-200	17°12.69'S	30° 4.42'E	4	7	< 0.1	11	25	1.48	11	98	5	< 10
801	Y-201	17°12.69'S	30° 4.14'E	6	14	0.4	23	88	2.37	12	95	65	< 10
802	Y-202	17°12.70'S	30° 3.86'E	6	6	0.1	11	52	2.29	11	121	70	< 10
803	Y-203	17°12.68'S	30° 3.57'E	9	2	0.1	11	322	2.05	9	128	51	< 10
804	Y-204	17°12.69'S	30° 3.27'E	8	2	0.2	10	42	1.59	9	101	6	< 10
805	Y-205	17°12.96'S	30° 3.28'E	5	10	< 0.1	6	30	1.90	7	77	3	< 10
806	Y-206	17°12.96'S	30° 3.57'E	10	5	< 0.1	13	50	2.23	14	95	4	< 10
807	Y-207	17°12.96'S	30° 3.85'E	8	5	< 0.1	16	39	2.17	7	73	5	< 10
808	Y-208	17°12.96'S	30° 4.13'E	6	7	< 0.1	11	44	2.16	10	59	6	< 10
809	Y-209	17°12.96'S	30° 4.40'E	15	9	< 0.1	21	52	2.82	11	81	4	< 10
810	Y-210	17°12.96'S	30° 4.69'E	10	3	< 0.1	10	37	1.75	9	115	2	< 10
811	Y-211	17°12.96'S	30° 4.97'E	8	2	< 0.1	13	38	1.97	9	71	2	< 10
812	Y-212	17°12.96'S	30° 5.25'E	8	3	< 0.1	17	62	2.72	16	106	2	< 10
813	Y-213	17°12.96'S	30° 5.53'E	9	2	< 0.1	10	49	1.94	9	56	< 2	< 10
814	Y-214	17°12.96'S	30° 5.81'E	5	< 1	< 0.1	17	29	1.12	4	38	< 2	< 10
815	Y-215	17°12.96'S	30° 6.10'E	5	< 1	< 0.1	11	31	1.38	6	112	< 2	< 10
816	Y-216	17°12.96'S	30° 6.38'E	11	2	< 0.1	14	56	1.92	9	111	< 2	< 10
817	S-134	17°13.22'S	30° 6.08'E	15	4	< 0.1	15	18	1.16	12	68	3	< 10
818	S-135	17°13.20'S	30° 5.83'E	15	5	< 0.1	15	7	0.79	3	49	< 2	< 10
819	S-136	17°13.24'S	30° 5.56'E	9	< 1	0.3	14	11	1.05	4	35	2	< 10
820	S-137	17°13.23'S	30° 5.25'E	13	3	0.5	9	9	1.02	4	43	< 2	< 10
821	S-138	17°13.25'S	30° 4.99'E	14	183	0.1	24	25	1.71	9	108	2	< 10
822	S-139	17°13.23'S	30° 4.68'E	20	1	< 0.1	17	20	1.45	9	87	2	< 10
823	S-140	17°13.22'S	30° 4.42'E	18	2	< 0.1	21	15	1.69	9	81	4	< 10
824	S-141	17°13.22'S	30° 4.12'E	14	< 1	< 0.1	18	11	1.22	8	50	5	< 10
825	S-142	17°13.23'S	30° 3.86'E	20	< 1	< 0.1	16	23	1.79	9	97	3	< 10
826	S-143	17°13.48'S	30° 3.54'E	14	< 1	< 0.1	17	14	1.38	8	70	4	< 10
827	S-144	17°13.49'S	30° 3.84'E	15	1	0.1	18	99	1.62	7	53	40	< 10
828	S-145	17°13.48'S	30° 4.13'E	16	1	0.5	14	17	1.01	7	44	5	< 10
829	S-146	17°13.50'S	30° 4.40'E	25	1	0.4	37	1189	2.15	20	107	10	< 10
830	S-147	17°13.50'S	30° 4.65'E	8	4	0.2	26	32	2.77	6	48	4	< 10
831	S-148	17°13.50'S	30° 4.96'E	8	4	< 0.1	22	37	3.06	5	64	3	< 10
832	S-149	17°13.52'S	30° 5.22'E	9	< 1	< 0.1	16	177	2.40	8	51	36	< 10
833	S-150	17°13.51'S	30° 5.52'E	7	< 1	< 0.1	21	21	1.41	2	29	2	< 10
834	S-151	17°13.49'S	30° 5.81'E	3	< 1	< 0.1	15	15	1.62	3	25	2	< 10
835	S-152	17°13.50'S	30° 6.11'E	5	< 1	< 0.1	15	18	1.53	4	43	< 2	< 10
836	S-153	17°13.50'S	30° 6.39'E	8	< 1	< 0.1	19	30	2.40	5	42	2	< 10
837	S-154	17°13.22'S	30° 6.39'E	6	2	0.3	16	17	1.76	4	25	2	< 10
838	I-237	16°57.96'S	30° 6.79'E	37	1	< 0.1	20	63	3.07	16	71	< 2	< 10
839	I-238	16°57.95'S	30° 6.51'E	30	< 1	< 0.1	14	32	2.24	23	53	2	< 10
840	I-239	16°57.70'S	30° 6.52'E	31	2	< 0.1	10	43	2.15	13	84	< 2	< 10
841	I-240	16°57.68'S	30° 6.79'E	37	1	< 0.1	< 2	33	2.70	18	53	3	< 10
842	I-241	16°57.69'S	30° 7.08'E	148	6	0.4	27	81	5.37	26	154	< 2	< 10
843	I-242	16°57.68'S	30° 7.38'E	41	2	0.3	15	38	2.72	8	58	< 2	< 10
844	I-243	16°57.69'S	30° 7.64'E	103	9	< 0.1	15	512	3.73	24	148	84	< 10
845	I-244	16°57.69'S	30° 7.93'E	11	23	< 0.1	20	24	1.93	5	53	< 2	< 10
846	I-245	16°57.69'S	30° 8.20'E	8	2	< 0.1	16	28	1.98	6	93	49	< 10
847	I-246	16°57.69'S	30° 8.49'E	33	2	< 0.1	25	48	2.21	6	37	< 2	< 10
848	I-247	16°57.69'S	30° 8.77'E	33	2	< 0.1	13	54	2.51	11	56	< 2	10
849	I-248	16°57.70'S	30° 9.06'E	35	2	< 0.1	17	48	2.53	8	54	< 2	< 10
850	I-249	16°57.69'S	30° 9.34'E	17	2	< 0.1	11	16	1.62	7	49	< 2	< 10
851	I-250	16°57.96'S	30° 9.33'E	10	2	< 0.1	13	27	2.02	13	126	< 2	< 10
852	I-251	16°57.97'S	30° 9.03'E	30	3	0.1	12	31	2.25	12	46	< 2	< 10
853	I-252	16°57.95'S	30° 8.77'E	78	4	0.1	15	37	2.37	12	59	< 2	< 10
854	I-253	16°57.97'S	30° 8.48'E	16	< 1	< 0.1	5	25	1.81	7	39	< 2	10
855	I-254	16°57.96'S	30° 8.21'E	25	3	< 0.1	16	23	2.15	7	41	< 2	< 10
856	I-255	16°57.95'S	30° 7.92'E	20	2	< 0.1	9	17	1.82	5	28	< 2	< 10
857	I-256	16°57.95'S	30° 7.64'E	38	2	< 0.1	13	206	2.58	15	56	9	< 10
858	I-257	16°57.95'S	30° 7.37'E	28	3	< 0.1	18	39	2.31	8	32	< 2	< 10
859	I-258	16°57.96'S	30° 7.09'E	42	1	0.1	17	49	2.82	16	57	< 2	< 10
860	K-198	16°57.42'S	30° 7.07'E	85	15	< 0.1	16	268	3.77	13	44	37	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
861	K-199	16°57.43'S	30° 6.82'E	71	9	< 0.1	12	83	6.05	25	64	8	< 10
862	K-200	16°57.42'S	30° 6.61'E	44	8	< 0.1	25	65	2.96	8	63	36	< 10
863	K-201	16°57.15'S	30° 6.79'E	29	1	< 0.1	8	57	1.91	11	87	5	< 10
864	K-202	16°57.15'S	30° 7.10'E	39	< 1	< 0.1	14	17	1.24	5	62	5	< 10
865	K-203	16°57.16'S	30° 7.36'E	51	1	< 0.1	6	78	3.17	15	104	3	< 10
866	K-204	16°57.16'S	30° 7.60'E	27	< 1	< 0.1	< 2	51	2.06	13	74	2	< 10
867	K-205	16°57.16'S	30° 7.90'E	26	1	< 0.1	9	28	1.71	11	60	< 2	< 10
868	K-206	16°57.42'S	30° 7.91'E	15	10	0.2	19	31	1.76	7	85	< 2	10
869	K-207	16°57.42'S	30° 7.62'E	41	15	< 0.1	19	79	2.53	19	65	< 2	10
870	S-155	16°59.59'S	30° 5.96'E	13	1	< 0.1	11	18	3.04	11	56	< 2	< 10
871	S-156	16°59.60'S	30° 5.69'E	76	2	0.1	27	47	5.43	19	83	< 2	< 10
872	S-157	16°59.59'S	30° 5.37'E	123	1	0.2	40	75	7.65	18	96	3	< 10
873	S-158	16°59.59'S	30° 5.09'E	123	< 1	0.4	36	95	6.04	15	88	3	< 10
874	S-159	16°59.61'S	30° 4.83'E	79	< 1	0.1	32	361	6.78	19	83	50	< 10
875	S-160	16°59.59'S	30° 4.53'E	116	1	< 0.1	26	48	5.17	13	121	6	< 10
876	S-161	16°59.60'S	30° 4.26'E	153	< 1	0.5	36	71	7.30	26	68	3	< 10
877	S-162	16°59.60'S	30° 3.97'E	358	< 1	0.3	30	73	6.47	16	118	3	< 10
878	S-163	16°59.58'S	30° 3.71'E	65	< 1	0.3	29	57	7.13	23	84	5	10
879	S-164	16°59.58'S	30° 3.45'E	40	2	< 0.1	26	34	4.22	17	62	5	< 10
880	S-165	16°59.32'S	30° 3.71'E	107	1	0.9	37	52	5.35	17	84	25	10
881	S-166	16°59.33'S	30° 4.00'E	154	10	< 0.1	43	54	5.90	24	89	6	< 10
882	S-167	16°59.31'S	30° 4.27'E	68	5	0.5	20	27	3.34	15	62	5	< 10
883	S-168	16°59.33'S	30° 4.54'E	340	6	0.8	29	74	7.98	41	118	3	< 10
884	S-169	16°59.32'S	30° 4.78'E	124	8	0.3	25	269	4.57	17	85	62	< 10
885	S-170	16°59.32'S	30° 5.09'E	85	9	0.5	35	58	8.13	23	72	12	< 10
886	S-171	16°59.31'S	30° 5.41'E	69	4	< 0.1	22	52	4.82	14	82	79	10
887	S-172	16°59.32'S	30° 5.66'E	96	< 1	0.9	27	54	5.68	19	71	6	10
888	S-173	16°59.33'S	30° 5.95'E	94	1	< 0.1	25	37	5.39	14	80	3	< 10
889	S-174	16°59.31'S	30° 6.24'E	77	5	0.1	15	24	3.28	12	79	< 2	< 10
890	Y-217	16°58.77'S	30° 6.50'E	169	14	0.1	16	107	5.23	24	58	< 2	< 10
891	Y-218	16°58.77'S	30° 6.24'E	61	3	0.2	14	326	3.47	11	52	47	< 10
892	Y-219	16°58.77'S	30° 5.96'E	63	1	0.2	14	332	3.47	23	65	6	< 10
893	Y-220	16°58.77'S	30° 5.67'E	48	2	< 0.1	10	90	4.40	17	160	4	< 10
894	Y-221	16°58.77'S	30° 5.38'E	36	2	< 0.1	16	66	3.11	23	75	4	< 10
895	Y-222	16°58.77'S	30° 5.11'E	57	2	< 0.1	16	76	5.84	23	41	3	< 10
896	Y-223	16°58.77'S	30° 4.83'E	55	1	0.1	21	88	5.15	24	56	35	< 10
897	Y-224	16°58.77'S	30° 4.55'E	55	1	< 0.1	14	181	2.76	15	49	5	< 10
898	Y-225	16°58.77'S	30° 4.26'E	38	2	< 0.1	17	57	3.16	14	60	7	< 10
899	Y-226	16°59.04'S	30° 3.97'E	46	1	< 0.1	22	69	3.65	14	43	8	< 10
900	Y-227	16°59.04'S	30° 4.25'E	44	2	< 0.1	13	46	3.22	17	47	4	< 10
901	Y-228	16°59.04'S	30° 4.53'E	67	6	< 0.1	23	76	4.59	34	69	3	< 10
902	Y-229	16°59.05'S	30° 4.81'E	169	3	< 0.1	25	113	6.69	27	70	2	10
903	Y-230	16°59.03'S	30° 5.11'E	135	3	< 0.1	22	93	5.30	14	64	7	< 10
904	Y-231	16°59.04'S	30° 5.37'E	97	2	0.1	14	42	2.89	24	114	< 2	< 10
905	Y-232	16°59.04'S	30° 5.67'E	80	< 1	< 0.1	21	72	4.01	9	65	7	< 10
906	Y-233	16°59.04'S	30° 5.94'E	51	3	0.6	20	42	1.95	30	70	3	< 10
907	Y-234	16°59.04'S	30° 6.23'E	118	9	< 0.1	27	303	5.88	12	42	30	< 10
908	Y-235	16°59.04'S	30° 6.50'E	20	< 1	< 0.1	17	27	2.30	3	42	2	< 10
909	Y-236	16°59.04'S	30° 6.80'E	8	< 1	0.4	8	10	1.08	4	26	< 2	< 10
910	N- 20	17° 0.13'S	30° 5.67'E	91	< 1	< 0.1	15	56	2.73	11	82	2	< 10
911	N- 21	17° 0.13'S	30° 5.37'E	49	5	< 0.1	19	27	2.47	8	56	< 2	< 10
912	N- 22	17° 0.14'S	30° 5.10'E	117	3	< 0.1	21	108	5.32	18	81	2	< 10
913	N- 23	17° 0.13'S	30° 4.82'E	102	2	< 0.1	20	113	6.09	16	77	2	< 10
914	N- 24	17° 0.12'S	30° 4.52'E	133	3	0.2	25	117	5.84	16	70	3	< 10
915	N- 25	17° 0.12'S	30° 4.25'E	27	9	< 0.1	14	55	4.01	12	86	< 2	< 10
916	N- 26	17° 0.12'S	30° 3.95'E	11	< 1	< 0.1	15	12	2.39	3	28	< 2	< 10
917	N- 28	16°59.86'S	30° 3.67'E	16	2	< 0.1	7	16	2.22	4	54	3	< 10
918	N- 30	16°58.85'S	30° 3.97'E	184	4	< 0.1	20	70	5.19	18	62	3	< 10
919	N- 32	16°59.86'S	30° 4.53'E	143	8	0.1	18	93	5.37	17	60	4	< 10
920	N- 33	16°59.87'S	30° 4.81'E	138	2	0.2	26	408	5.36	15	65	3	< 10
921	N- 34	16°59.86'S	30° 5.11'E	34	< 1	0.3	27	40	2.96	8	48	3	< 10
922	N- 27	17° 0.13'S	30° 3.78'E	25	4	< 0.1	10	293	2.70	7	50	2	< 10
923	N- 29	16°59.86'S	30° 3.42'E	62	< 1	< 0.1	26	454	5.88	19	43	4	< 10
924	N- 31	16°59.84'S	30° 4.26'E	133	7	< 0.1	23	421	4.80	16	81	71	< 10
925	N- 35	16°59.85'S	30° 5.38'E	62	2	0.1	25	270	4.85	12	57	3	< 10
926	N- 36	16°59.86'S	30° 5.67'E	40	< 1	0.1	17	301	3.67	21	52	42	< 10
927	I-259	16°57.69'S	30°11.59'E	107	4	0.1	38	118	4.59	30	87	< 2	< 10
928	I-260	16°57.69'S	30°11.30'E	113	9	< 0.1	48	107	4.54	29	67	< 2	< 10
929	I-261	16°57.69'S	30°11.03'E	78	3	0.2	27	74	3.78	19	63	< 2	< 10
930	I-262	16°57.69'S	30°10.74'E	46	4	0.2	27	38	2.13	8	38	< 2	< 10
931	I-263	16°57.69'S	30°10.47'E	56	1	0.1	24	69	3.66	13	46	< 2	< 10
932	I-264	16°57.69'S	30°10.18'E	50	< 1	0.1	45	130	5.74	27	57	< 2	10
933	I-265	16°57.69'S	30° 9.89'E	37	< 1	0.1	36	< 2	4.43	26	49	92	10
934	I-266	16°57.69'S	30° 9.64'E	36	1	0.1	33	94	4.32	23	49	< 2	10
935	I-267	16°57.96'S	30° 9.61'E	29	1	0.1	18	49	2.46	9	40	< 2	< 10
936	I-268	16°57.96'S	30° 9.89'E	46	1	0.1	23	76	3.60	14	37	< 2	10
937	I-269	16°57.95'S	30°10.19'E	52	< 1	0.1	17	65	3.33	27	43	< 2	10
938	I-270	16°57.96'S	30°10.46'E	49	1	0.1	14	54	2.66	16	55	< 2	< 10
939	I-271	16°57.96'S	30°10.75'E	29	2	0.2	19	32	1.49	8	28	< 2	< 10
940	I-272	16°57.96'S	30°11.02'E	13	< 1	0.2	11	23	1.13	4	25	27	< 10
941	I-273	16°57.99'S	30°11.37'E	10	< 1	0.1	5	27	0.84	3	12	< 2	< 10
942	I-274	16°57.97'S	30°11.58'E	7	< 1	< 0.1	10	9	0.50	1	14	< 2	< 10
943	I-275	16°57.95'S	30°11.87'E	19	1	< 0.1	14	29	1.03	6	25	< 2	< 10
944	I-276	16°57.69'S	30°11.88'E	12	< 1	< 0.1	8	39	1.17	4	31	< 2	< 10
945	I-277	16°57.41'S	30°11.87'E	23	1	< 0.1	17	35	1.90	6	29	< 2	< 10
946	I-278	16°57.16'S	30°11.87'E	2	< 1	< 0.1	< 2	23	0.97	2	12	< 2	< 10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
947	I-279	16°57.15'S	30°11.60'E	103	2	< 0.1	29	153	5.12	35	82	< 2	< 10
948	I-280	16°57.42'S	30°11.59'E	35	2	< 0.1	15	70	3.41	14	43	< 2	< 10
949	S-175	16°59.59'S	30° 6.22'E	7	2	0.1	14	8	1.77	4	35	2	< 10
950	S-176	16°59.60'S	30° 6.52'E	12	3	0.5	20	19	2.92	10	37	< 2	< 10
951	S-177	16°59.59'S	30° 6.79'E	7	1	0.3	11	9	2.95	8	45	< 2	< 10
952	S-178	16°59.59'S	30° 7.09'E	5	2	< 0.1	8	2	1.61	5	35	< 2	< 10
953	S-179	16°59.60'S	30° 7.35'E	9	1	< 0.1	8	13	2.25	9	45	< 2	< 10
954	S-180	16°59.61'S	30° 7.64'E	22	2	0.1	16	33	3.83	14	76	< 2	20
955	S-181	16°59.59'S	30° 7.93'E	20	6	0.5	73	29	3.18	10	54	< 2	< 10
956	S-182	16°59.59'S	30° 8.19'E	42	2	0.1	28	949	4.31	12	71	62	< 10
957	S-183	16°59.58'S	30° 8.46'E	94	1	< 0.1	45	85	8.58	17	109	< 2	10
958	S-184	16°59.59'S	30° 8.77'E	33	3	< 0.1	23	34	4.91	17	67	< 2	< 10
959	S-185	16°59.59'S	30° 9.04'E	57	4	< 0.1	35	86	7.56	21	94	< 2	< 10
960	S-186	16°59.59'S	30° 9.33'E	9	1	< 0.1	21	17	2.95	6	56	< 2	< 10
961	S-187	16°59.59'S	30° 9.60'E	24	2	0.2	16	15	2.84	7	45	< 2	< 10
962	S-188	16°59.32'S	30° 9.60'E	31	2	0.1	27	21	3.45	10	49	< 2	< 10
963	S-189	16°59.31'S	30° 9.32'E	26	< 1	0.8	19	10	3.06	10	76	< 2	< 10
964	S-190	16°59.32'S	30° 9.06'E	19	3	0.3	21	31	3.57	8	98	< 2	< 10
965	S-191	16°59.31'S	30° 8.77'E	10	< 1	0.1	23	547	3.69	12	65	59	< 10
966	S-192	16°59.32'S	30° 8.48'E	82	1	< 0.1	39	124	7.54	28	119	2	10
967	S-193	16°59.32'S	30° 8.20'E	44	2	0.4	12	24	2.80	14	49	< 2	20
968	S-194	16°59.32'S	30° 7.91'E	39	2	0.2	13	15	4.04	9	72	< 2	10
969	S-195	16°59.32'S	30° 7.64'E	30	10	0.9	18	15	3.45	6	44	< 2	< 10
970	S-196	16°59.32'S	30° 7.33'E	6	5	< 0.1	9	2	1.62	3	20	< 2	< 10
971	S-197	16°59.32'S	30° 7.07'E	20	6	< 0.1	16	23	5.23	9	51	< 2	< 10
972	S-198	16°59.32'S	30° 6.80'E	9	3	0.6	17	4	2.11	4	78	18	< 10
973	S-199	16°59.32'S	30° 6.51'E	9	4	< 0.1	29	10	2.27	3	26	< 2	< 10
974	K-208	16°57.14'S	30°11.31'E	13	< 1	< 0.1	28	44	1.92	4	28	< 2	10
975	K-209	16°57.14'S	30°11.03'E	40	< 1	< 0.1	21	59	2.73	10	44	< 2	< 10
976	K-210	16°57.13'S	30°10.72'E	81	4	< 0.1	23	88	3.12	10	113	< 2	< 10
977	K-211	16°57.18'S	30°10.48'E	53	< 1	< 0.1	55	1137	4.69	14	98	70	10
978	K-212	16°57.14'S	30°10.17'E	73	< 1	< 0.1	78	115	4.27	20	64	2	10
979	K-213	16°57.14'S	30° 9.89'E	102	3	< 0.1	43	119	3.99	18	75	< 2	< 10
980	K-214	16°57.15'S	30° 9.66'E	16	< 1	< 0.1	37	36	1.72	6	111	< 2	< 10
981	K-215	16°57.14'S	30° 9.33'E	14	< 1	< 0.1	58	37	1.80	4	27	< 2	10
982	K-216	16°57.15'S	30° 9.04'E	121	6	< 0.1	46	66	2.96	12	97	< 2	< 10
983	K-217	16°57.15'S	30° 8.78'E	447	8	0.1	54	80	3.46	14	72	< 2	< 10
984	K-218	16°57.15'S	30° 8.48'E	48	2	< 0.1	47	57	2.94	17	155	< 2	< 10
985	K-219	16°57.16'S	30° 8.20'E	21	1	< 0.1	50	44	2.21	9	120	< 2	< 10
986	K-220	16°57.42'S	30° 8.19'E	22	5	< 0.1	51	504	2.71	5	62	52	< 10
987	K-221	16°57.42'S	30° 8.47'E	71	2	< 0.1	7	63	2.54	7	89	< 2	< 10
988	K-222	16°57.42'S	30° 8.78'E	35	23	< 0.1	16	83	2.52	11	58	< 2	< 10
989	K-223	16°57.43'S	30° 9.05'E	58	2	0.1	25	95	3.13	11	68	< 2	< 10
990	K-224	16°57.42'S	30° 9.33'E	44	< 1	< 0.1	26	74	2.50	10	64	< 2	< 10
991	K-225	16°57.40'S	30° 9.70'E	70	2	0.1	16	99	3.75	15	123	< 2	< 10
992	K-226	16°57.42'S	30° 9.92'E	47	1	< 0.1	20	107	3.69	18	95	< 2	< 10
993	K-227	16°57.44'S	30°10.18'E	54	< 1	< 0.1	46	153	4.71	20	190	46	10
994	Y-237	16°58.77'S	30° 6.79'E	9	3	< 0.1	9	19	1.02	11	74	< 2	< 10
995	Y-238	16°58.77'S	30° 7.09'E	50	< 1	< 0.1	14	41	2.77	7	145	< 2	< 10
996	Y-239	16°58.76'S	30° 7.35'E	9	< 1	< 0.1	12	14	1.00	11	66	< 2	< 10
997	Y-240	16°58.77'S	30° 7.65'E	10	2	< 0.1	11	36	2.30	5	30	< 2	< 10
998	Y-241	16°58.76'S	30° 7.92'E	103	2	0.2	15	39	2.30	9	79	< 2	< 10
999	Y-242	16°58.76'S	30° 8.21'E	28	2	0.3	17	54	2.59	19	109	< 2	< 10
1000	Y-243	16°58.77'S	30° 8.49'E	44	1	< 0.1	31	32	3.18	31	112	68	< 10
1001	Y-244	16°58.77'S	30° 8.77'E	18	4	< 0.1	14	35	1.94	10	81	4	< 10
1002	Y-245	16°58.80'S	30° 9.06'E	42	1	< 0.1	22	58	2.11	13	173	115	< 10
1003	Y-246	16°58.77'S	30° 9.33'E	9	< 1	< 0.1	18	20	1.44	7	47	3	< 10
1004	Y-247	16°58.77'S	30° 9.62'E	9	1	< 0.1	10	22	1.67	7	33	3	< 10
1005	Y-248	16°58.77'S	30° 9.89'E	18	4	< 0.1	22	31	2.63	16	61	3	< 10
1006	Y-249	16°58.77'S	30°10.18'E	46	< 1	< 0.1	21	76	4.91	24	58	2	< 10
1007	Y-250	16°58.77'S	30°10.46'E	41	< 1	0.2	22	90	4.35	16	76	3	< 10
1008	Y-251	16°59.03'S	30°10.47'E	46	1	0.2	19	311	4.26	18	47	2	< 10
1009	Y-252	16°59.04'S	30°10.18'E	37	< 1	< 0.1	22	48	3.23	16	35	< 2	< 10
1010	Y-253	16°59.04'S	30° 9.90'E	42	3	< 0.1	12	31	2.63	16	59	2	< 10
1011	Y-254	16°59.03'S	30° 9.62'E	31	3	0.2	28	989	2.14	12	58	3	< 10
1012	Y-255	16°59.04'S	30° 9.36'E	31	< 1	< 0.1	21	53	2.03	9	64	3	< 10
1013	Y-256	16°59.04'S	30° 9.04'E	6	< 1	0.2	4	236	0.97	3	24	21	< 10
1014	Y-257	16°59.04'S	30° 8.77'E	65	2	< 0.1	19	116	4.09	23	88	6	10
1015	Y-258	16°59.04'S	30° 8.47'E	42	3	0.1	17	54	2.81	19	71	5	10
1016	Y-259	16°59.04'S	30° 8.19'E	49	< 1	< 0.1	26	83	3.85	24	61	4	< 10
1017	Y-260	16°59.04'S	30° 7.92'E	31	3	< 0.1	11	40	2.37	14	65	< 2	< 10
1018	Y-261	16°59.05'S	30° 7.64'E	9	1	< 0.1	7	13	1.44	3	33	< 2	< 10
1019	Y-262	16°59.04'S	30° 7.35'E	7	< 1	0.1	< 2	8	1.01	5	38	< 2	< 10
1020	Y-263	16°59.04'S	30° 7.09'E	16	2	0.1	12	15	1.86	7	38	< 2	< 10
1021	N- 37	17° 0.13'S	30° 5.95'E	34	< 1	< 0.1	13	10	1.19	4	47	3	< 10
1022	N- 38	17° 0.13'S	30° 6.23'E	30	< 1	0.1	15	15	1.65	2	35	2	< 10
1023	N- 39	17° 0.13'S	30° 6.51'E	39	< 1	< 0.1	14	31	2.91	8	57	2	< 10
1024	N- 40	17° 0.13'S	30° 6.79'E	6	< 1	< 0.1	10	2	1.01	< 1	32	< 2	< 10
1025	N- 41	17° 0.13'S	30° 7.08'E	23	5	< 0.1	12	20	1.27	1	35	< 2	< 10
1026	N- 42	17° 0.13'S	30° 7.36'E	28	4	0.2	14	17	1.71	1	30	2	< 10
1027	N- 43	17° 0.13'S	30° 7.64'E	56	< 1	< 0.1	24	44	2.72	10	62	2	< 10
1028	N- 44	17° 0.13'S	30° 7.92'E	14	2	< 0.1	8	16	2.17	6	58	2	< 10
1029	N- 45	17° 0.13'S	30° 8.20'E	38	1	< 0.1	26	43	2.49	6	52	2	10
1030	N- 46	17° 0.13'S	30° 8.48'E	33	2	< 0.1	21	208	2.40	7	77	42	10
1031	N- 47	16°59.86'S	30° 8.48'E	50	< 1	< 0.1	18	63	4.07	7	106	4	10
1032	N- 48	16°59.86'S	30° 8.20'E	27	< 1	< 0.1	13	40	2.52	4	52	3	< 10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1033	N- 49	16°59.86'S	30° 7.92'E	28	< 1	< 0.1	18	34	2.08	6	46	2	< 10
1034	N- 50	16°59.86'S	30° 7.64'E	37	3	< 0.1	17	27	2.24	7	39	< 2	< 10
1035	N- 51	16°59.86'S	30° 7.36'E	53	< 1	< 0.1	13	21	1.45	7	54	< 2	< 10
1036	N- 52	16°59.86'S	30° 7.08'E	10	< 1	< 0.1	17	8	1.68	5	55	< 2	< 10
1037	N- 53	16°59.86'S	30° 6.79'E	9	< 1	< 0.1	24	22	1.60	5	29	< 2	< 10
1038	N- 54	16°59.86'S	30° 6.51'E	18	3	0.1	17	15	1.88	8	40	< 2	< 10
1039	N- 55	16°59.86'S	30° 6.23'E	118	2	< 0.1	16	29	1.00	4	85	< 2	< 10
1040	N- 56	16°59.86'S	30° 5.95'E	101	14	< 0.1	25	211	3.67	10	51	48	< 10
1041	I-281	17° 1.49'S	30° 4.82'E	102	6	< 0.1	19	72	4.62	21	68	< 2	10
1042	I-282	17° 1.49'S	30° 5.10'E	5	< 1	0.1	4	20	1.48	4	19	< 2	< 10
1043	I-283	17° 1.49'S	30° 5.38'E	9	3	< 0.1	14	41	2.66	10	54	< 2	< 10
1044	I-284	17° 1.49'S	30° 5.66'E	10	5	< 0.1	7	34	2.83	7	49	< 2	< 10
1045	I-285	17° 1.49'S	30° 5.96'E	5	< 1	< 0.1	6	28	1.83	4	39	< 2	< 10
1046	I-286	17° 1.47'S	30° 6.22'E	7	< 1	< 0.1	18	27	1.81	6	34	< 2	< 10
1047	I-287	17° 1.50'S	30° 6.49'E	4	< 1	< 0.1	17	405	1.77	9	30	41	< 10
1048	I-288	17° 1.50'S	30° 6.79'E	8	4	< 0.1	12	36	2.12	4	45	< 2	< 10
1049	I-289	17° 1.49'S	30° 7.08'E	9	3	< 0.1	17	28	2.02	10	134	< 2	< 10
1050	I-290	17° 1.49'S	30° 7.36'E	3	3	< 0.1	27	13	1.63	4	35	< 2	< 10
1051	I-291	17° 1.49'S	30° 7.64'E	6	3	< 0.1	25	33	2.17	9	49	< 2	10
1052	I-292	17° 1.49'S	30° 7.92'E	4	< 1	0.1	31	22	1.52	7	35	< 2	10
1053	I-293	17° 1.50'S	30° 8.20'E	13	< 1	< 0.1	12	24	2.06	6	41	75	< 10
1054	I-294	17° 1.49'S	30° 8.48'E	16	< 1	< 0.1	7	38	2.32	9	44	< 2	< 10
1055	I-295	17° 1.50'S	30° 8.77'E	3	< 1	< 0.1	6	29	1.56	8	38	< 2	< 10
1056	I-296	17° 1.77'S	30° 8.77'E	24	1	0.1	26	14	2.73	13	38	< 2	< 10
1057	I-297	17° 1.77'S	30° 8.47'E	17	2	< 0.1	11	36	2.23	12	54	< 2	< 10
1058	I-298	17° 1.76'S	30° 8.20'E	22	1	< 0.1	15	32	2.34	8	43	< 2	10
1059	I-299	17° 1.76'S	30° 7.92'E	10	3	< 0.1	15	45	2.98	8	66	< 2	< 10
1060	I-300	17° 1.77'S	30° 7.64'E	10	< 1	< 0.1	8	29	2.13	8	43	< 2	< 10
1061	I-301	17° 1.76'S	30° 7.35'E	11	9	0.3	21	53	2.11	15	68	31	10
1062	I-302	17° 1.75'S	30° 7.08'E	< 1	2	0.3	8	24	1.82	15	312	29	< 10
1063	I-303	17° 1.76'S	30° 6.79'E	77	5	< 0.1	22	251	3.43	25	165	16	20
1064	I-304	17° 1.75'S	30° 6.51'E	4	1	0.1	25	23	2.02	14	95	< 2	< 10
1065	I-305	17° 1.75'S	30° 6.23'E	7	2	0.2	19	23	2.34	13	71	< 2	< 10
1066	I-306	17° 1.76'S	30° 5.94'E	6	1	0.2	23	16	1.87	11	49	< 2	< 10
1067	I-307	17° 1.76'S	30° 5.68'E	12	2	< 0.1	25	19	2.46	11	244	< 2	< 10
1068	I-308	17° 1.76'S	30° 5.38'E	17	2	< 0.1	21	31	2.81	10	65	< 2	< 10
1069	I-309	17° 1.75'S	30° 5.10'E	7	2	0.1	21	9	1.69	9	142	< 2	< 10
1070	I-310	17° 1.75'S	30° 4.83'E	5	< 1	< 0.1	24	13	1.55	8	146	< 2	< 10
1071	K-228	16°57.42'S	30°11.33'E	18	2	< 0.1	37	96	2.47	12	72	2	10
1072	K-229	16°57.42'S	30°11.01'E	30	< 1	< 0.1	33	45	1.76	10	65	< 2	10
1073	K-230	16°57.42'S	30°10.74'E	41	2	0.1	34	76	2.33	12	51	< 2	< 10
1074	K-231	16°57.42'S	30°10.47'E	39	2	< 0.1	13	66	2.15	13	47	< 2	10
1075	N- 57	17° 0.13'S	30°11.87'E	37	< 1	< 0.1	36	42	1.70	7	68	6	< 10
1076	N- 58	17° 0.13'S	30°11.59'E	51	< 1	< 0.1	16	24	0.74	5	33	3	< 10
1077	N- 59	17° 0.13'S	30°11.30'E	86	1	0.1	2	15	0.61	4	61	2	< 10
1078	N- 60	17° 0.13'S	30°11.02'E	17	2	< 0.1	2	10	0.83	4	37	2	< 10
1079	N- 61	17° 0.13'S	30°10.74'E	41	2	< 0.1	21	38	2.69	7	40	3	< 10
1080	N- 62	17° 0.13'S	30°10.46'E	52	2	0.1	42	89	3.52	11	64	5	< 10
1081	N- 63	17° 0.13'S	30°10.18'E	26	3	< 0.1	16	38	1.76	10	46	2	< 10
1082	N- 64	17° 0.13'S	30° 9.89'E	8	5	0.1	14	30	1.77	8	41	2	< 10
1083	N- 65	17° 0.13'S	30° 9.61'E	5	6	0.1	17	17	1.12	6	26	2	< 10
1084	N- 66	17° 0.13'S	30° 9.33'E	36	7	0.2	10	43	1.85	10	34	2	< 10
1085	N- 67	17° 0.13'S	30° 9.05'E	37	7	0.2	18	56	2.33	10	40	2	< 10
1086	N- 68	17° 0.13'S	30° 8.77'E	14	7	0.1	8	29	1.60	5	39	2	< 10
1087	N- 69	16°59.86'S	30° 8.77'E	39	3	0.2	13	1215	3.77	13	88	79	< 10
1088	Y-264	17° 0.40'S	30°11.88'E	35	2	0.1	20	40	1.80	9	94	4	< 10
1089	Y-265	17° 0.67'S	30°11.87'E	28	< 1	< 0.1	26	789	1.65	7	66	113	< 10
1090	Y-266	17° 0.81'S	30°11.58'E	61	< 1	< 0.1	17	58	0.94	2	29	5	< 10
1091	Y-267	17° 0.67'S	30°11.31'E	8	< 1	< 0.1	6	7	0.43	< 1	11	< 2	< 10
1092	Y-268	17° 0.67'S	30°11.02'E	34	< 1	< 0.1	9	17	0.95	3	53	3	< 10
1093	Y-269	17° 0.67'S	30°10.75'E	50	< 1	0.2	22	54	4.52	21	67	2	< 10
1094	Y-270	17° 0.67'S	30°10.47'E	57	1	< 0.1	30	63	4.82	22	53	3	< 10
1095	Y-271	17° 0.67'S	30°10.18'E	55	3	< 0.1	30	60	4.71	11	48	5	< 10
1096	Y-272	17° 0.67'S	30° 9.88'E	41	6	0.1	30	90	3.81	12	54	75	< 10
1097	Y-273	17° 0.67'S	30° 9.61'E	17	7	< 0.1	18	46	1.97	8	34	3	< 10
1098	Y-274	17° 0.66'S	30° 9.33'E	12	< 1	< 0.1	14	43	1.86	4	40	2	< 10
1099	Y-275	17° 0.66'S	30° 9.06'E	18	2	0.4	10	37	2.08	5	54	3	< 10
1100	Y-276	17° 0.67'S	30° 8.76'E	15	3	< 0.1	19	34	2.37	15	36	3	< 10
1101	Y-277	17° 0.40'S	30° 8.77'E	19	7	0.2	13	62	2.40	9	77	2	< 10
1102	Y-278	17° 0.40'S	30° 9.05'E	73	4	< 0.1	20	68	3.22	10	39	2	< 10
1103	Y-279	17° 0.40'S	30° 9.33'E	9	< 1	< 0.1	25	49	1.95	10	46	3	< 10
1104	Y-280	17° 0.40'S	30° 9.62'E	14	1	< 0.1	19	52	2.69	5	46	3	< 10
1105	Y-281	17° 0.40'S	30° 9.88'E	35	< 1	< 0.1	21	73	3.55	22	86	4	< 10
1106	Y-282	17° 0.40'S	30°10.17'E	59	1	0.9	28	114	4.58	24	69	6	< 10
1107	Y-283	17° 0.40'S	30°10.45'E	64	1	0.1	20	57	2.81	22	66	9	< 10
1108	Y-284	17° 0.40'S	30°10.75'E	24	2	< 0.1	11	47	2.47	15	38	2	< 10
1109	Y-285	17° 0.41'S	30°11.02'E	13	1	0.4	6	11	0.83	4	34	< 2	< 10
1110	Y-286	17° 0.41'S	30°11.29'E	18	2	0.1	6	9	0.46	2	16	< 2	< 10
1111	Y-287	17° 0.41'S	30°11.59'E	686	2	0.5	11	739	2.22	5	63	73	< 10
1112	S-200	16°59.31'S	30°11.60'E	52	7	0.5	31	47	2.26	8	45	9	10
1113	S-201	16°59.37'S	30°11.36'E	23	8	< 0.1	10	10	0.93	3	36	< 2	< 10
1114	S-203	16°59.32'S	30°10.73'E	15	3	1.1	20	15	0.98	2	29	< 2	20
1115	S-204	16°59.31'S	30°10.47'E	33	3	1.0	32	31	2.38	7	66	< 2	< 10
1116	S-205	16°59.32'S	30°10.20'E	42	7	0.9	40	39	3.31	8	75	< 2	< 10
1117	S-206	16°59.32'S	30° 9.88'E	31	11	< 0.1	39	39	2.63	5	60	< 2	< 10
1118	S-207	16°59.59'S	30° 9.89'E	27	3	0.3	24	55	4.52	13	97	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1119	S-208	16°59.60'S	30°10.22'E	49	< 1	0.3	43	53	4.52	10	76	< 2	< 10
1120	S-209	16°59.59'S	30°10.45'E	46	< 1	0.3	21	35	2.84	9	42	< 2	60
1121	S-210	16°59.59'S	30°10.73'E	54	1	0.2	35	50	3.04	7	83	< 2	10
1122	S-211	16°59.59'S	30°11.01'E	71	2	0.4	41	86	6.03	19	174	9	< 10
1123	S-212	16°59.64'S	30°11.32'E	33	< 1	0.6	17	29	1.80	6	101	< 2	20
1124	S-213	16°59.59'S	30°11.57'E	39	< 1	0.2	35	363	2.62	9	56	38	50
1125	S-214	16°59.59'S	30°11.88'E	37	< 1	0.2	26	22	2.18	3	46	32	< 10
1126	S-215	16°59.34'S	30°11.86'E	52	1	0.3	44	56	3.70	10	80	2	< 10
1127	S-216	16°59.04'S	30°11.88'E	47	< 1	0.3	67	51	3.35	7	78	< 2	< 10
1128	S-217	16°58.77'S	30°11.87'E	37	33	0.3	21	45	3.42	9	72	< 2	< 10
1129	S-218	16°58.77'S	30°11.57'E	35	< 1	0.4	18	35	2.04	5	44	< 2	< 10
1130	S-219	16°58.74'S	30°11.30'E	8	< 1	0.5	13	12	0.76	< 1	21	8	< 10
1131	S-220	16°58.73'S	30°10.99'E	4	< 1	0.6	9	< 2	0.74	1	15	< 2	< 10
1132	S-221	16°58.77'S	30°10.75'E	2	< 1	0.1	5	< 2	0.51	< 1	26	< 2	< 10
1133	S-222	16°59.04'S	30°10.74'E	30	< 1	< 0.1	20	16	2.58	7	27	< 2	< 10
1134	S-223	16°59.03'S	30°11.01'E	39	< 1	< 0.1	39	67	5.48	12	30	< 2	20
1135	S-224	16°58.93'S	30°11.24'E	22	< 1	< 0.1	9	18	0.95	4	88	< 2	< 10
1136	S-225	16°58.95'S	30°11.70'E	25	< 1	< 0.1	8	26	1.09	4	35	< 2	< 10
1137	N- 70	16°59.86'S	30°11.87'E	90	4	< 0.1	24	64	2.99	13	55	10	< 10
1138	N- 71	16°59.86'S	30°11.59'E	30	< 1	0.2	29	39	1.51	6	48	4	< 10
1139	N- 72	16°59.86'S	30°11.30'E	40	7	< 0.1	15	22	1.50	6	24	3	< 10
1140	N- 73	16°59.86'S	30°11.02'E	5	2	0.1	4	2	0.72	2	16	2	< 10
1141	N- 75	16°59.86'S	30°10.46'E	69	5	< 0.1	26	69	3.38	6	41	6	< 10
1142	N- 77	16°59.86'S	30° 9.89'E	9	5	< 0.1	14	47	1.96	7	58	3	< 10
1143	N- 78	16°59.86'S	30° 9.61'E	6	3	< 0.1	12	710	1.96	4	36	79	< 10
1144	N- 79	16°59.86'S	30° 9.33'E	79	5	< 0.1	15	69	3.35	13	53	10	< 10
1145	N- 80	16°59.86'S	30° 9.05'E	41	< 1	< 0.1	2	13	1.92	11	31	5	< 10
1146	I-311	17° 1.49'S	30°11.30'E	72	4	0.2	31	53	2.96	23	302	< 2	< 10
1147	I-312	17° 1.49'S	30°11.02'E	9	< 1	< 0.1	< 2	2	0.67	3	43	< 2	< 10
1148	I-313	17° 1.49'S	30°10.74'E	27	1	0.1	36	28	2.41	15	146	< 2	< 10
1149	I-314	17° 1.47'S	30°10.46'E	45	< 1	< 0.1	48	58	3.97	13	57	< 2	< 10
1150	I-315	17° 1.49'S	30°10.18'E	39	1	0.1	36	48	2.96	13	106	< 2	< 10
1151	I-316	17° 1.49'S	30° 9.88'E	42	< 1	< 0.1	35	72	4.44	15	54	< 2	< 10
1152	I-317	17° 1.49'S	30° 9.60'E	43	< 1	< 0.1	46	78	4.61	20	57	< 2	< 10
1153	I-318	17° 1.49'S	30° 9.32'E	50	4	< 0.1	45	328	4.03	23	447	31	< 10
1154	I-319	17° 1.48'S	30° 9.06'E	10	< 1	< 0.1	27	20	1.62	9	64	< 2	< 10
1155	I-320	17° 1.76'S	30° 9.06'E	41	< 1	< 0.1	29	29	3.76	26	295	< 2	< 10
1156	I-321	17° 1.77'S	30° 9.33'E	64	1	0.2	63	100	7.63	26	121	< 2	< 10
1157	I-322	17° 1.76'S	30° 9.60'E	52	2	0.3	69	70	6.42	27	217	< 2	< 10
1158	I-323	17° 1.76'S	30° 9.89'E	42	< 1	0.1	43	200	3.96	14	209	23	< 10
1159	I-324	17° 1.75'S	30°10.18'E	56	2	0.2	64	85	4.53	16	100	< 2	< 10
1160	I-325	17° 1.76'S	30°10.46'E	43	2	< 0.1	36	51	2.97	10	163	< 2	< 10
1161	I-326	17° 1.77'S	30°10.74'E	47	3	0.1	33	39	3.51	15	59	< 2	< 10
1162	I-327	17° 1.76'S	30°11.01'E	38	2	0.3	25	11	1.44	5	61	< 2	< 10
1163	I-328	17° 1.76'S	30°11.30'E	81	2	0.3	60	62	3.28	16	98	< 2	< 10
1164	I-329	17° 1.77'S	30°11.59'E	76	3	0.2	34	47	2.71	9	121	< 2	< 10
1165	I-330	17° 1.76'S	30°11.86'E	52	1	0.2	48	30	2.41	7	49	< 2	< 10
1166	I-331	17° 1.49'S	30°11.88'E	37	< 1	< 0.1	49	48	2.99	11	126	< 2	< 10
1167	I-332	17° 1.49'S	30°11.59'E	63	4	0.1	47	49	2.85	23	171	< 2	< 10
1168	S-202	16°59.37'S	30°11.03'E	8	16	< 0.1	5	4	1.41	2	16	< 2	< 10
1169	S-226	17° 2.84'S	30°10.76'E	32	2	0.4	19	3	1.43	6	94	< 2	< 10
1170	S-227	17° 2.84'S	30°10.46'E	13	< 1	0.2	10	< 2	0.68	2	21	6	< 10
1171	S-228	17° 2.85'S	30°10.19'E	30	< 1	0.1	9	11	1.63	11	31	25	10
1172	S-229	17° 2.84'S	30° 9.88'E	37	< 1	< 0.1	15	143	3.68	15	36	20	10
1173	S-231	17° 2.84'S	30° 9.33'E	13	< 1	< 0.1	9	16	1.55	5	26	< 2	< 10
1174	S-232	17° 2.83'S	30° 9.06'E	31	< 1	< 0.1	19	28	2.54	7	75	< 2	10
1175	S-233	17° 2.84'S	30° 8.76'E	54	< 1	< 0.1	35	94	5.96	13	56	< 2	10
1176	S-234	17° 2.84'S	30° 8.49'E	53	< 1	< 0.1	22	78	6.27	15	50	< 2	< 10
1177	S-235	17° 2.83'S	30° 8.20'E	37	< 1	< 0.1	18	32	4.16	21	34	< 2	10
1178	S-236	17° 2.84'S	30° 7.91'E	53	< 1	< 0.1	18	54	5.34	14	68	< 2	10
1179	S-237	17° 2.84'S	30° 7.63'E	40	< 1	< 0.1	5	24	3.79	8	30	< 2	10
1180	S-238	17° 2.85'S	30° 7.36'E	119	2	< 0.1	21	49	5.64	23	88	2	10
1181	S-239	17° 2.86'S	30° 7.08'E	11	< 1	< 0.1	11	< 2	1.11	2	15	< 2	< 10
1182	S-240	17° 2.56'S	30° 7.35'E	23	< 1	< 0.1	20	15	1.97	7	27	< 2	10
1183	S-241	17° 2.57'S	30° 7.65'E	65	2	< 0.1	29	73	5.79	15	66	< 2	10
1184	S-242	17° 2.58'S	30° 7.93'E	62	3	< 0.1	15	26	3.37	8	37	< 2	10
1185	S-243	17° 2.59'S	30° 8.21'E	66	< 1	< 0.1	24	63	6.30	22	62	75	10
1186	S-244	17° 2.57'S	30° 8.49'E	52	< 1	< 0.1	29	477	5.72	19	49	< 2	10
1187	S-245	17° 2.57'S	30° 8.77'E	43	< 1	< 0.1	23	37	3.96	10	36	< 2	< 10
1188	S-246	17° 2.57'S	30° 9.05'E	34	< 1	< 0.1	16	21	2.81	10	23	< 2	10
1189	S-247	17° 2.56'S	30° 9.35'E	22	< 1	< 0.1	11	24	2.34	4	31	< 2	< 10
1190	S-249	17° 2.57'S	30° 9.88'E	28	2	< 0.1	15	190	2.25	10	41	38	< 10
1191	S-250	17° 2.57'S	30°10.18'E	42	1	< 0.1	22	47	5.44	20	45	< 2	< 10
1192	S-251	17° 2.56'S	30°10.46'E	4	< 1	< 0.1	7	< 2	0.82	< 1	7	< 2	< 10
1193	S-252	17° 2.57'S	30°10.74'E	15	< 1	< 0.1	10	4	0.79	< 1	8	< 2	< 10
1194	Y-288	17° 0.93'S	30°11.86'E	49	2	0.1	22	80	2.33	9	84	100	< 10
1195	Y-289	17° 1.21'S	30°11.87'E	37	2	< 0.1	20	65	2.22	10	76	4	< 10
1196	Y-290	17° 1.22'S	30°11.56'E	52	< 1	0.1	18	64	2.50	14	64	4	< 10
1197	Y-291	17° 1.23'S	30°11.31'E	49	< 1	0.1	11	40	1.80	7	40	2	< 10
1198	Y-292	17° 1.23'S	30°11.01'E	24	8	< 0.1	< 2	17	0.88	3	25	2	< 10
1199	Y-293	17° 1.22'S	30°10.75'E	77	6	0.1	17	66	3.10	17	50	55	< 10
1200	Y-294	17° 1.23'S	30°10.47'E	35	< 1	< 0.1	20	104	4.76	24	50	4	< 10
1201	Y-295	17° 1.22'S	30°10.18'E	30	7	< 0.1	17	84	3.58	17	56	3	< 10
1202	Y-296	17° 1.22'S	30° 9.90'E	115	2	< 0.1	17	106	3.42	19	88	5	< 10
1203	Y-297	17° 1.22'S	30° 9.60'E	22	2	< 0.1	24	38	1.87	12	38	2	< 10
1204	Y-298	17° 1.22'S	30° 9.34'E	18	4	0.3	16	69	2.38	12	59	5	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1205	Y-299	17° 1.23'S	30° 9.06'E	< 1	4	0.4	13	35	1.56	10	45	3	< 10
1206	Y-300	17° 1.21'S	30° 8.76'E	5	2	< 0.1	14	47	1.85	6	52	3	< 10
1207	Y-301	17° 0.94'S	30° 8.76'E	20	5	0.5	15	89	2.39	12	55	38	20
1208	Y-302	17° 0.94'S	30° 9.05'E	25	3	0.2	33	88	2.81	14	128	76	< 10
1209	Y-303	17° 0.94'S	30° 9.32'E	24	4	0.1	16	249	1.91	9	103	31	< 10
1210	Y-304	17° 0.94'S	30° 9.64'E	25	< 1	< 0.1	34	1488	3.67	14	58	4	< 10
1211	Y-305	17° 0.94'S	30° 9.88'E	39	< 1	< 0.1	28	129	4.73	24	52	2	< 10
1212	Y-306	17° 0.93'S	30°10.18'E	39	< 1	< 0.1	27	84	3.77	20	74	2	< 10
1213	Y-307	17° 0.93'S	30°10.46'E	37	6	< 0.1	17	51	3.37	18	39	2	< 10
1214	Y-308	17° 0.94'S	30°10.74'E	61	4	< 0.1	25	82	4.26	21	52	3	< 10
1215	Y-309	17° 0.93'S	30°11.02'E	40	2	< 0.1	20	50	1.18	7	34	< 2	< 10
1216	Y-310	17° 0.94'S	30°11.29'E	29	2	< 0.1	17	46	1.61	8	37	< 2	< 10
1217	Y-311	17° 0.94'S	30°11.58'E	49	2	< 0.1	25	49	1.81	11	76	2	< 10
1218	I-333	17° 1.49'S	30° 4.54'E	9	1	0.1	28	219	2.38	14	125	2	< 10
1219	I-334	17° 1.49'S	30° 4.26'E	14	3	0.1	35	33	3.71	25	68	< 2	< 10
1220	I-335	17° 1.49'S	30° 3.98'E	53	1	0.2	28	68	4.83	26	87	< 2	< 10
1221	I-336	17° 1.49'S	30° 3.69'E	28	2	< 0.1	42	54	4.89	25	98	< 2	< 10
1222	I-337	17° 1.49'S	30° 3.40'E	29	1	< 0.1	38	40	3.32	17	83	< 2	< 10
1223	I-338	17° 1.49'S	30° 3.13'E	64	5	< 0.1	28	58	3.87	24	276	3	< 10
1224	I-339	17° 1.50'S	30° 2.81'E	19	< 1	< 0.1	20	20	1.63	8	66	< 2	< 10
1225	I-340	17° 1.50'S	30° 2.57'E	34	1	< 0.1	39	97	2.76	16	179	4	10
1226	I-341	17° 1.48'S	30° 2.28'E	42	1	0.2	60	173	3.75	21	144	< 2	10
1227	I-342	17° 1.49'S	30° 2.00'E	20	< 1	< 0.1	17	15	1.72	10	46	21	< 10
1228	I-343	17° 1.76'S	30° 2.29'E	37	1	< 0.1	44	182	2.83	16	69	< 2	< 10
1229	I-344	17° 1.76'S	30° 2.01'E	20	4	0.1	16	27	1.18	6	45	< 2	< 10
1230	I-345	17° 1.77'S	30° 2.55'E	16	< 1	< 0.1	39	13	1.25	7	41	< 2	< 10
1231	I-346	17° 1.76'S	30° 2.84'E	41	2	< 0.1	21	41	3.16	20	117	< 2	< 10
1232	I-347	17° 1.76'S	30° 3.13'E	15	2	0.2	27	21	2.55	10	52	< 2	< 10
1233	I-348	17° 1.76'S	30° 3.41'E	53	3	< 0.1	26	33	4.37	21	89	< 2	< 10
1234	I-349	17° 1.76'S	30° 3.69'E	38	3	0.2	31	46	4.00	35	125	< 2	< 10
1235	I-350	17° 1.77'S	30° 3.98'E	14	1	< 0.1	44	39	3.54	21	81	< 2	< 10
1236	I-351	17° 1.75'S	30° 4.27'E	26	3	0.2	31	436	3.34	15	43	< 2	10
1237	I-352	17° 1.75'S	30° 4.54'E	110	7	0.2	28	99	4.51	21	72	< 2	10
1238	S-230	17° 2.84'S	30° 9.62'E	45	< 1	< 0.1	36	1695	4.04	14	47	< 2	10
1239	S-248	17° 2.56'S	30° 9.60'E	53	< 1	< 0.1	19	76	4.47	13	35	< 2	10
1240	Y-312	17° 0.67'S	30° 5.39'E	48	< 1	< 0.1	8	38	1.70	11	73	< 2	< 10
1241	Y-313	17° 0.67'S	30° 5.66'E	20	2	< 0.1	8	40	2.14	13	44	< 2	< 10
1242	Y-314	17° 0.67'S	30° 5.94'E	11	1	< 0.1	5	32	1.81	7	43	< 2	< 10
1243	Y-315	17° 0.68'S	30° 6.24'E	15	< 1	< 0.1	16	32	1.73	6	67	3	< 10
1244	Y-316	17° 0.66'S	30° 6.50'E	23	2	< 0.1	20	41	1.98	6	54	< 2	< 10
1245	Y-317	17° 0.67'S	30° 6.78'E	17	< 1	< 0.1	18	42	2.00	7	62	< 2	< 10
1246	Y-318	17° 0.67'S	30° 7.07'E	32	1	< 0.1	22	309	2.23	9	53	41	< 10
1247	Y-319	17° 0.67'S	30° 7.35'E	35	< 1	0.3	24	58	2.34	12	116	< 2	< 10
1248	Y-320	17° 0.67'S	30° 7.64'E	30	< 1	0.1	29	72	2.34	18	80	2	< 10
1249	Y-321	17° 0.67'S	30° 7.92'E	15	< 1	< 0.1	14	34	1.29	3	34	2	< 10
1250	Y-322	17° 0.67'S	30° 8.20'E	20	5	< 0.1	15	68	2.49	9	65	2	< 10
1251	Y-323	17° 0.67'S	30° 8.48'E	17	2	< 0.1	10	71	1.66	6	64	11	< 10
1252	Y-324	17° 0.40'S	30° 8.49'E	26	5	< 0.1	19	61	2.37	9	69	2	< 10
1253	Y-325	17° 0.40'S	30° 8.20'E	23	7	0.2	16	67	2.15	9	72	2	< 10
1254	Y-326	17° 0.40'S	30° 7.92'E	27	7	0.2	14	41	2.54	11	55	2	< 10
1255	Y-327	17° 0.40'S	30° 7.65'E	26	7	< 0.1	12	39	1.95	8	48	< 2	< 10
1256	Y-328	17° 0.40'S	30° 7.36'E	94	5	0.2	23	112	3.83	11	87	2	< 10
1257	Y-329	17° 0.40'S	30° 7.09'E	21	1	0.3	16	38	1.91	5	39	< 2	< 10
1258	Y-330	17° 0.40'S	30° 6.80'E	17	2	< 0.1	18	30	1.26	2	32	< 2	< 10
1259	Y-331	17° 0.40'S	30° 6.52'E	14	7	0.4	19	25	0.99	3	44	< 2	< 10
1260	Y-332	17° 0.40'S	30° 6.24'E	48	2	< 0.1	44	1048	3.28	10	95	< 2	< 10
1261	Y-333	17° 0.40'S	30° 5.95'E	32	1	0.2	36	191	2.11	5	48	18	< 10
1262	Y-334	17° 0.40'S	30° 5.68'E	31	4	< 0.1	25	41	1.81	7	58	< 2	< 10
1263	Y-335	17° 0.39'S	30° 5.39'E	38	11	< 0.1	15	50	2.43	15	55	< 2	< 10
1264	Y-336	17° 0.40'S	30° 5.11'E	53	3	< 0.1	32	80	3.69	22	86	< 2	< 10
1265	Y-337	17° 0.40'S	30° 4.82'E	87	4	< 0.1	26	94	4.09	22	71	4	< 10
1266	Y-338	17° 0.66'S	30° 4.82'E	32	3	< 0.1	27	82	3.65	21	76	2	< 10
1267	Y-339	17° 0.67'S	30° 5.11'E	32	3	< 0.1	19	67	3.65	12	76	2	< 10
1268	S-253	17° 2.57'S	30° 3.97'E	54	1	< 0.1	28	66	5.06	13	62	< 2	10
1269	S-254	17° 2.57'S	30° 3.69'E	90	4	< 0.1	35	67	6.29	19	54	< 2	10
1270	S-255	17° 2.56'S	30° 3.42'E	18	74	< 0.1	23	23	3.17	9	53	< 2	< 10
1271	S-256	17° 2.62'S	30° 3.15'E	8	3	< 0.1	11	7	1.94	4	30	< 2	< 10
1272	S-257	17° 2.57'S	30° 2.79'E	58	4	< 0.1	15	28	2.65	7	52	< 2	< 10
1273	S-258	17° 2.57'S	30° 2.56'E	63	4	< 0.1	11	16	2.33	16	43	< 2	< 10
1274	S-259	17° 2.58'S	30° 2.28'E	65	5	< 0.1	25	127	2.57	7	50	18	< 10
1275	S-260	17° 2.57'S	30° 1.99'E	48	6	< 0.1	24	22	3.51	13	69	2	< 10
1276	S-261	17° 2.84'S	30° 2.00'E	49	3	< 0.1	25	27	4.51	14	45	< 2	< 10
1277	S-262	17° 3.12'S	30° 1.99'E	64	4	< 0.1	54	2933	3.36	13	53	< 2	< 10
1278	S-263	17° 3.40'S	30° 2.01'E	44	2	< 0.1	17	36	2.51	7	44	< 2	< 10
1279	S-264	17° 3.39'S	30° 2.28'E	17	2	< 0.1	14	14	2.65	8	44	< 2	< 10
1280	S-265	17° 3.41'S	30° 2.54'E	27	13	< 0.1	20	23	3.27	7	57	< 2	< 10
1281	S-266	17° 3.39'S	30° 2.85'E	12	2	< 0.1	23	12	2.50	5	43	< 2	< 10
1282	S-267	17° 3.11'S	30° 2.88'E	19	4	< 0.1	27	24	3.57	14	64	< 2	< 10
1283	S-268	17° 3.12'S	30° 2.57'E	20	2	< 0.1	18	19	2.74	8	44	< 2	< 10
1284	S-269	17° 3.12'S	30° 2.29'E	16	1	< 0.1	29	213	2.43	10	47	41	< 10
1285	S-270	17° 2.83'S	30° 2.29'E	56	4	0.2	39	1608	3.93	17	84	2	< 10
1286	S-271	17° 2.84'S	30° 2.57'E	84	21	< 0.1	16	31	2.50	6	45	34	< 10
1287	S-272	17° 2.83'S	30° 2.81'E	20	3	< 0.1	23	11	2.60	6	34	< 2	< 10
1288	S-273	17° 2.84'S	30° 3.12'E	40	7	< 0.1	22	26	3.88	15	61	< 2	< 10
1289	S-274	17° 2.84'S	30° 3.40'E	21	7	< 0.1	27	29	4.46	16	84	< 2	< 10
1290	S-275	17° 2.84'S	30° 3.67'E	55	6	< 0.1	27	48	4.38	13	56	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1291	S-276	17° 2.83'S	30° 3.99'E	66	< 1	< 0.1	18	16	2.54	10	33	< 2	< 10
1292	N- 74	16°59.86'S	30°10.74'E	37	< 1	0.1	18	105	4.39	12	30	3	< 10
1293	N- 76	16°59.86'S	30°10.18'E	42	2	< 0.1	25	735	4.18	13	47	4	< 10
1294	N- 81	17° 3.66'S	30° 4.26'E	43	< 1	< 0.1	15	73	3.74	14	60	4	< 10
1295	N- 82	17° 3.66'S	30° 3.97'E	17	< 1	< 0.1	11	62	3.54	9	52	4	< 10
1296	N- 83	17° 3.66'S	30° 3.69'E	9	< 1	< 0.1	8	41	2.39	9	40	3	< 10
1297	N- 84	17° 3.66'S	30° 3.41'E	9	2	0.2	8	41	2.39	11	70	3	< 10
1298	N- 85	17° 3.66'S	30° 3.13'E	13	2	0.1	12	51	3.22	11	66	41	< 10
1299	N- 86	17° 3.66'S	30° 2.85'E	51	3	0.1	10	39	2.88	9	41	4	< 10
1300	N- 87	17° 3.66'S	30° 2.56'E	9	7	0.2	7	16	1.69	4	35	3	< 10
1301	N- 88	17° 3.66'S	30° 2.28'E	8	< 1	0.2	13	25	1.83	4	34	3	< 10
1302	N- 89	17° 3.66'S	30° 2.00'E	28	< 1	< 0.1	2	28	2.57	12	48	3	< 10
1303	N- 90	17° 3.93'S	30° 2.00'E	71	< 1	0.4	5	23	2.32	4	40	3	< 10
1304	N- 91	17° 3.93'S	30° 2.28'E	2	1	0.4	4	15	1.82	4	28	3	< 10
1305	N- 92	17° 3.93'S	30° 2.56'E	6	2	0.1	11	12	1.80	3	28	3	< 10
1306	N- 93	17° 3.93'S	30° 2.85'E	6	6	0.2	5	< 2	0.74	1	18	2	< 10
1307	I-353	17° 2.03'S	30° 4.51'E	44	3	0.1	47	49	2.56	17	44	< 2	10
1308	I-354	17° 2.03'S	30° 4.82'E	4	3	< 0.1	19	15	1.46	5	36	< 2	10
1309	I-355	17° 2.03'S	30° 5.10'E	64	7	< 0.1	34	41	3.74	17	82	< 2	< 10
1310	I-356	17° 2.04'S	30° 5.38'E	277	14	0.3	36	1032	6.97	29	129	41	10
1311	I-357	17° 2.03'S	30° 5.68'E	252	13	0.1	53	86	7.12	21	80	< 2	< 10
1312	I-358	17° 2.04'S	30° 5.95'E	232	9	< 0.1	49	70	5.31	15	67	< 2	10
1313	I-359	17° 2.03'S	30° 6.24'E	163	5	< 0.1	34	96	5.08	15	81	< 2	< 10
1314	I-360	17° 2.03'S	30° 6.51'E	110	2	< 0.1	28	62	4.13	21	65	< 2	< 10
1315	I-361	17° 2.03'S	30° 6.80'E	15	5	< 0.1	27	35	2.18	7	47	< 2	10
1316	I-362	17° 2.02'S	30° 7.08'E	7	1	0.2	16	31	1.86	6	41	< 2	< 10
1317	I-363	17° 2.04'S	30° 7.36'E	7	< 1	1.1	27	10	1.38	9	67	< 2	< 10
1318	I-364	17° 2.03'S	30° 7.64'E	7	< 1	0.1	12	8	1.06	5	40	< 2	< 10
1319	I-365	17° 2.03'S	30° 7.91'E	14	3	< 0.1	37	607	3.19	13	79	48	< 10
1320	I-366	17° 2.03'S	30° 8.20'E	46	1	0.1	31	53	4.30	23	62	< 2	10
1321	I-367	17° 2.03'S	30° 8.48'E	29	< 1	< 0.1	39	43	3.69	15	54	< 2	< 10
1322	I-368	17° 2.30'S	30° 8.48'E	31	2	< 0.1	53	51	3.81	11	63	< 2	< 10
1323	I-369	17° 2.30'S	30° 8.20'E	61	1	0.1	35	46	3.74	13	58	< 2	10
1324	I-370	17° 2.30'S	30° 7.92'E	14	< 1	< 0.1	18	19	2.60	21	66	< 2	< 10
1325	I-371	17° 2.30'S	30° 7.64'E	3	< 1	< 0.1	9	3	0.71	2	52	< 2	< 10
1326	I-372	17° 2.30'S	30° 7.36'E	31	1	0.2	17	80	4.82	29	86	45	10
1327	I-373	17° 2.30'S	30° 7.08'E	40	1	0.2	27	103	5.45	25	82	< 2	10
1328	I-374	17° 2.30'S	30° 6.79'E	17	3	< 0.1	27	37	2.54	12	48	< 2	10
1329	I-375	17° 2.30'S	30° 6.51'E	7	1	< 0.1	22	22	1.85	8	119	< 2	< 10
1330	I-376	17° 2.30'S	30° 6.23'E	7	1	< 0.1	16	15	1.61	12	141	< 2	< 10
1331	I-377	17° 2.30'S	30° 5.95'E	19	4	< 0.1	25	26	2.42	17	84	< 2	< 10
1332	I-378	17° 2.30'S	30° 5.67'E	32	4	< 0.1	25	37	3.46	19	76	< 2	< 10
1333	I-379	17° 2.30'S	30° 5.38'E	34	2	< 0.1	33	59	3.75	27	131	< 2	< 10
1334	I-380	17° 2.30'S	30° 5.10'E	34	2	< 0.1	63	109	4.27	23	78	< 2	10
1335	I-381	17° 2.30'S	30° 4.82'E	26	3	< 0.1	16	46	2.55	18	60	< 2	< 10
1336	I-382	17° 2.30'S	30° 4.54'E	4	1	< 0.1	9	12	1.65	6	72	< 2	< 10
1337	S-277	17° 3.11'S	30° 3.96'E	19	< 1	0.1	10	23	2.59	7	57	< 2	< 10
1338	S-278	17° 3.12'S	30° 3.70'E	10	< 1	< 0.1	< 2	8	1.81	3	30	< 2	< 10
1339	S-279	17° 3.12'S	30° 3.40'E	14	2	< 0.1	15	20	3.22	7	91	< 2	< 10
1340	S-280	17° 3.12'S	30° 3.14'E	10	< 1	< 0.1	16	13	2.31	6	45	< 2	< 10
1341	S-281	17° 3.38'S	30° 3.12'E	13	< 1	< 0.1	13	30	3.41	13	76	< 2	< 10
1342	S-282	17° 3.39'S	30° 3.40'E	10	< 1	< 0.1	< 2	715	1.89	6	67	59	< 10
1343	S-283	17° 3.40'S	30° 3.68'E	17	< 1	< 0.1	14	44	4.17	14	75	2	< 10
1344	S-284	17° 3.40'S	30° 3.97'E	23	< 1	< 0.1	4	< 2	1.28	5	46	< 2	< 10
1345	S-285	17° 3.39'S	30° 4.24'E	117	3	< 0.1	9	32	3.04	14	74	< 2	< 10
1346	S-286	17° 3.39'S	30° 4.52'E	14	3	0.2	8	16	2.24	4	61	< 2	< 10
1347	S-287	17° 3.39'S	30° 4.81'E	31	< 1	< 0.1	45	22	2.48	7	60	< 2	< 10
1348	S-288	17° 3.41'S	30° 5.10'E	21	< 1	< 0.1	12	16	2.20	6	61	< 2	< 10
1349	S-289	17° 3.39'S	30° 5.39'E	12	1	< 0.1	10	21	2.46	6	60	< 2	< 10
1350	S-290	17° 3.39'S	30° 5.67'E	13	2	< 0.1	17	25	2.96	6	52	< 2	< 10
1351	S-291	17° 3.38'S	30° 5.95'E	10	1	< 0.1	5	742	3.56	8	102	96	< 10
1352	S-292	17° 3.39'S	30° 6.24'E	15	20	< 0.1	11	11	1.67	4	26	< 2	< 10
1353	S-293	17° 3.11'S	30° 6.24'E	25	5	< 0.1	12	46	4.54	6	66	< 2	< 10
1354	S-294	17° 3.12'S	30° 5.95'E	18	< 1	< 0.1	2	23	2.64	6	91	< 2	< 10
1355	S-295	17° 3.12'S	30° 5.67'E	32	< 1	< 0.1	< 2	19	3.58	10	49	< 2	< 10
1356	S-296	17° 3.12'S	30° 5.38'E	89	1	< 0.1	17	60	6.69	21	113	< 2	10
1357	S-297	17° 3.11'S	30° 5.08'E	52	< 1	< 0.1	13	23	3.85	11	70	< 2	< 10
1358	S-298	17° 3.12'S	30° 4.82'E	40	< 1	0.1	12	44	3.48	10	43	32	< 10
1359	S-299	17° 3.12'S	30° 4.55'E	36	2	< 0.1	12	14	2.99	6	50	< 2	< 10
1360	S-300	17° 3.11'S	30° 4.29'E	21	1	< 0.1	14	13	2.74	6	52	< 2	< 10
1361	Y-340	17° 0.40'S	30° 2.57'E	23	1	0.2	24	69	3.13	10	81	< 2	< 10
1362	Y-341	17° 0.40'S	30° 2.68'E	56	1	< 0.1	24	62	2.02	12	81	4	< 10
1363	Y-349	17° 1.22'S	30° 3.69'E	59	2	< 0.1	20	85	4.11	17	79	< 2	< 10
1364	Y-350	17° 0.94'S	30° 3.27'E	33	< 1	< 0.1	24	24	0.78	2	23	< 2	< 10
1365	Y-351	17° 0.93'S	30° 3.42'E	47	< 1	0.1	11	29	2.47	13	41	4	< 10
1366	Y-352	17° 0.95'S	30° 3.69'E	56	< 1	0.1	21	73	5.53	15	54	3	10
1367	Y-353	17° 0.94'S	30° 3.96'E	70	2	< 0.1	33	89	6.23	21	73	< 2	< 10
1368	Y-354	17° 1.22'S	30° 3.96'E	47	< 1	0.1	33	79	6.50	24	83	< 2	< 10
1369	Y-355	17° 1.22'S	30° 2.84'E	44	< 1	< 0.1	33	79	3.42	10	59	5	< 10
1370	Y-356	17° 1.22'S	30° 2.57'E	29	< 1	< 0.1	13	524	2.21	9	70	36	< 10
1371	I-383	17° 2.03'S	30° 4.26'E	31	5	< 0.1	43	50	3.53	13	70	< 2	< 10
1372	I-384	17° 2.03'S	30° 3.97'E	7	6	0.1	17	32	2.08	11	100	< 2	< 10
1373	I-385	17° 2.03'S	30° 3.68'E	75	3	< 0.1	36	79	5.30	27	174	< 2	< 10
1374	I-386	17° 2.05'S	30° 3.41'E	27	2	< 0.1	35	42	4.00	19	79	< 2	< 10
1375	I-387	17° 2.02'S	30° 3.13'E	18	5	< 0.1	26	541	2.24	6	59	48	< 10
1376	I-388	17° 2.02'S	30° 2.83'E	38	7	< 0.1	31	51	2.53	10	51	71	< 10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1377	I-389	17° 2.04'S	30° 2.55'E	41	9	0.1	34	64	3.44	14	47	3	< 10
1378	I-390	17° 2.03'S	30° 2.27'E	43	6	< 0.1	16	20	1.78	13	109	< 2	10
1379	I-391	17° 2.03'S	30° 2.01'E	44	11	0.2	23	21	1.68	11	198	2	10
1380	I-392	17° 2.30'S	30° 2.02'E	25	5	0.1	16	18	1.78	7	85	< 2	10
1381	I-393	17° 2.30'S	30° 2.27'E	42	4	0.1	33	33	2.56	15	104	63	10
1382	I-394	17° 2.30'S	30° 2.55'E	49	8	0.4	30	48	2.55	11	58	< 2	< 10
1383	I-395	17° 2.29'S	30° 2.85'E	119	15	0.5	35	64	4.79	23	68	3	10
1384	I-396	17° 2.30'S	30° 3.12'E	87	13	0.2	52	81	6.33	35	164	< 2	10
1385	I-397	17° 2.31'S	30° 3.40'E	34	5	0.1	31	37	3.02	15	89	< 2	< 10
1386	I-398	17° 2.31'S	30° 3.69'E	44	5	0.1	39	36	2.86	15	158	< 2	10
1387	I-399	17° 2.30'S	30° 3.97'E	48	13	0.1	36	71	5.00	32	316	< 2	10
1388	I-400	17° 2.30'S	30° 4.25'E	15	16	0.2	30	26	2.36	9	58	< 2	10
1389	Y-342	17° 0.61'S	30° 2.52'E	60	6	0.3	37	93	4.47	22	52	7	< 10
1390	Y-343	17° 0.67'S	30° 2.29'E	297	5	0.4	63	4438	3.78	37	73	69	< 10
1391	Y-344	17° 0.86'S	30° 2.34'E	100	2	0.5	45	1709	4.56	36	117	9	< 10
1392	Y-345	17° 0.95'S	30° 2.48'E	92	4	< 0.1	48	1581	4.77	13	114	91	< 10
1393	Y-346	17° 0.96'S	30° 2.71'E	65	< 1	0.1	45	2440	4.58	32	53	3	< 10
1394	Y-347	17° 1.23'S	30° 3.13'E	51	2	0.3	66	4222	2.59	16	71	5	< 10
1395	Y-348	17° 1.26'S	30° 3.40'E	50	17	< 0.1	49	2361	2.61	15	62	2	< 10
1396	Y-357	17° 1.22'S	30° 2.36'E	42	1	< 0.1	20	804	2.89	7	48	6	< 10
1397	Y-358	17° 1.26'S	30° 1.92'E	64	3	0.2	19	541	5.53	25	63	17	< 10
1398	Y-359	17° 0.94'S	30° 1.95'E	71	1	0.1	34	2033	5.86	27	68	12	< 10
1399	Y-360	17° 1.22'S	30° 4.83'E	8	< 1	< 0.1	19	49	2.73	10	73	< 2	< 10
1400	Y-361	17° 1.22'S	30° 4.54'E	21	< 1	0.3	26	45	2.96	9	42	< 2	< 10
1401	Y-362	17° 1.22'S	30° 4.26'E	68	2	0.5	33	123	5.83	26	112	< 2	< 10
1402	Y-363	17° 0.94'S	30° 4.25'E	40	1	0.4	31	155	7.05	16	58	2	< 10
1403	Y-364	17° 0.67'S	30° 4.26'E	82	3	0.3	20	95	4.96	18	69	< 2	10
1404	Y-365	17° 0.67'S	30° 3.97'E	58	5	< 0.1	12	142	3.78	15	55	12	< 10
1405	Y-366	17° 0.68'S	30° 3.69'E	76	2	0.1	12	91	4.25	11	53	9	< 10
1406	Y-367	17° 0.66'S	30° 3.40'E	73	3	< 0.1	17	51	3.17	6	60	13	< 10
1407	Y-368	17° 0.72'S	30° 3.11'E	50	2	0.1	15	68	3.91	16	97	6	< 10
1408	Y-369	17° 0.67'S	30° 2.93'E	76	4	0.5	26	59	3.67	8	67	10	< 10
1409	Y-370	17° 0.44'S	30° 3.18'E	67	3	0.7	37	290	6.14	23	49	5	< 10
1410	Y-371	17° 0.47'S	30° 3.43'E	72	1	0.4	21	591	4.68	25	57	6	< 10
1411	Y-372	17° 0.39'S	30° 3.70'E	116	23	0.2	22	709	5.22	11	71	27	< 10
1412	Y-373	17° 0.40'S	30° 3.99'E	115	13	< 0.1	28	102	5.34	24	61	2	< 10
1413	Y-374	17° 0.40'S	30° 4.25'E	224	28	< 0.1	20	99	4.61	20	107	3	10
1414	Y-375	17° 0.40'S	30° 4.53'E	119	3	< 0.1	28	172	6.36	21	67	3	< 10
1415	Y-376	17° 0.67'S	30° 4.55'E	102	14	< 0.1	18	140	5.38	24	91	2	< 10
1416	Y-377	17° 0.94'S	30° 4.54'E	73	2	0.2	24	135	5.18	21	102	2	< 10
1417	Y-378	17° 0.94'S	30° 4.82'E	12	1	< 0.1	9	71	3.49	13	68	< 2	< 10
1418	Y-379	17° 0.94'S	30° 5.08'E	13	16	< 0.1	< 2	38	2.35	6	54	< 2	< 10
1419	S-301	17° 2.85'S	30° 4.26'E	61	< 1	< 0.1	< 2	8	1.99	4	28	< 2	< 10
1420	S-302	17° 2.85'S	30° 4.55'E	28	3	< 0.1	7	34	3.94	9	66	< 2	< 10
1421	S-303	17° 2.83'S	30° 4.82'E	14	1	< 0.1	< 2	15	2.20	5	40	< 2	< 10
1422	S-304	17° 2.84'S	30° 5.11'E	23	1	< 0.1	15	31	3.67	11	50	< 2	< 10
1423	S-305	17° 2.83'S	30° 5.38'E	17	< 1	< 0.1	< 2	< 2	1.18	3	50	< 2	< 10
1424	S-306	17° 2.84'S	30° 5.65'E	143	3	< 0.1	< 2	32	3.63	12	60	< 2	< 10
1425	S-307	17° 2.84'S	30° 5.95'E	11	4	0.1	8	25	3.01	11	75	< 2	< 10
1426	S-308	17° 2.84'S	30° 6.23'E	18	10	< 0.1	10	37	3.61	11	79	< 2	< 10
1427	S-309	17° 2.84'S	30° 6.51'E	26	4	< 0.1	15	47	4.41	10	104	< 2	< 10
1428	S-310	17° 2.84'S	30° 6.79'E	16	2	< 0.1	10	29	2.93	9	46	< 2	10
1429	S-311	17° 2.56'S	30° 7.10'E	35	1	< 0.1	11	50	4.08	14	56	< 2	< 10
1430	S-312	17° 2.56'S	30° 6.80'E	15	< 1	< 0.1	< 2	16	1.92	6	46	< 2	< 10
1431	S-313	17° 2.56'S	30° 6.50'E	28	3	< 0.1	16	852	4.52	15	62	95	< 10
1432	S-314	17° 2.57'S	30° 6.24'E	45	4	< 0.1	18	66	5.62	22	70	42	10
1433	S-315	17° 2.57'S	30° 5.95'E	40	1	< 0.1	9	43	2.87	11	50	< 2	10
1434	S-316	17° 2.58'S	30° 5.66'E	44	3	< 0.1	25	56	5.24	21	72	< 2	< 10
1435	S-317	17° 2.56'S	30° 5.40'E	30	4	0.3	28	73	5.43	16	89	< 2	< 10
1436	S-318	17° 2.52'S	30° 5.11'E	67	10	< 0.1	32	53	5.26	13	128	< 2	< 10
1437	S-319	17° 2.57'S	30° 4.81'E	30	4	< 0.1	30	44	4.80	13	114	66	< 10
1438	S-320	17° 2.57'S	30° 4.53'E	122	5	< 0.1	28	69	5.90	18	90	< 2	< 10
1439	S-321	17° 2.57'S	30° 4.24'E	62	2	0.2	10	66	6.18	18	82	< 2	10
1440	I-401	17° 2.30'S	30°11.01'E	101	10	0.4	19	137	0.77	6	61	22	30
1441	I-402	17° 2.29'S	30°10.74'E	1	4	< 0.1	11	7	0.60	< 1	12	10	10
1442	I-403	17° 2.31'S	30°10.46'E	21	4	0.2	18	204	3.54	7	37	24	< 10
1443	I-404	17° 2.30'S	30°10.18'E	28	8	0.2	18	52	3.88	14	25	2	< 10
1444	I-405	17° 2.30'S	30° 9.89'E	44	8	< 0.1	31	63	4.30	27	81	3	< 10
1445	I-406	17° 2.31'S	30° 9.61'E	37	8	< 0.1	33	72	4.70	28	61	2	< 10
1446	I-407	17° 2.30'S	30° 9.33'E	22	6	< 0.1	17	44	3.39	23	53	2	< 10
1447	I-408	17° 2.30'S	30° 9.05'E	24	6	< 0.1	32	53	3.47	19	69	< 2	< 10
1448	I-409	17° 2.30'S	30° 8.77'E	38	8	0.1	30	67	4.53	35	74	2	< 10
1449	I-410	17° 2.03'S	30° 8.77'E	23	3	< 0.1	14	34	2.19	10	48	2	< 10
1450	I-411	17° 2.03'S	30° 9.06'E	20	7	< 0.1	20	46	3.38	16	29	4	< 10
1451	I-412	17° 2.03'S	30° 9.33'E	44	6	0.6	44	128	5.70	36	34	2	< 10
1452	I-413	17° 2.04'S	30° 9.61'E	49	13	0.2	40	106	5.27	36	94	3	< 10
1453	I-414	17° 2.04'S	30° 9.89'E	29	4	< 0.1	15	37	2.33	20	154	2	< 10
1454	I-415	17° 2.03'S	30°10.18'E	35	8	< 0.1	35	76	3.16	15	167	3	< 10
1455	I-416	17° 2.03'S	30°10.46'E	41	7	< 0.1	22	56	2.97	14	79	3	< 10
1456	I-417	17° 2.04'S	30°10.74'E	26	3	< 0.1	35	42	1.67	9	150	2	< 10
1457	I-418	17° 2.04'S	30°11.02'E	110	9	0.2	25	48	1.23	4	38	8	< 10
1458	I-419	17° 2.04'S	30°11.30'E	90	5	0.4	50	127	2.81	14	69	10	< 10
1459	I-420	17° 2.02'S	30°11.59'E	36	3	< 0.1	30	69	3.59	11	39	2	< 10
1460	I-421	17° 2.03'S	30°11.87'E	49	3	0.1	31	83	4.18	19	63	2	< 10
1461	I-422	17° 2.30'S	30°11.86'E	36	2	0.1	25	39	1.57	10	70	2	< 10
1462	I-423	17° 2.30'S	30°11.57'E	58	3	0.3	31	181	2.40	11	61	32	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1463	I-424	17° 2.30'S	30°11.30'E	55	3	0.2	48	159	1.98	16	102	4	< 10
1464	S-322	17° 3.32'S	30°11.02'E	34	< 1	< 0.1	15	18	0.90	3	59	< 2	< 10
1465	S-323	17° 3.32'S	30°11.29'E	26	< 1	< 0.1	16	22	1.08	3	27	< 2	< 10
1466	S-324	17° 3.31'S	30°11.59'E	31	1	< 0.1	14	43	0.74	2	17	< 2	< 10
1467	S-325	17° 3.32'S	30°11.86'E	140	2	< 0.1	46	69	3.27	7	64	< 2	< 10
1468	S-326	17° 3.06'S	30°11.90'E	66	1	< 0.1	18	48	2.89	10	132	< 2	< 10
1469	S-327	17° 2.77'S	30°11.90'E	52	< 1	0.5	3	78	2.10	7	85	51	20
1470	S-328	17° 2.50'S	30°11.87'E	50	< 1	0.3	15	57	1.98	8	84	59	20
1471	S-329	17° 2.50'S	30°11.59'E	80	3	0.2	20	515	2.99	6	87	68	< 10
1472	S-330	17° 2.77'S	30°11.60'E	38	< 1	0.1	24	71	1.79	7	95	4	< 10
1473	S-331	17° 3.09'S	30°11.59'E	37	< 1	0.1	19	56	1.68	5	87	4	< 10
1474	S-332	17° 3.04'S	30°11.32'E	37	< 1	< 0.1	16	44	1.67	3	42	3	< 10
1475	S-333	17° 2.77'S	30°11.29'E	63	3	0.2	20	57	2.22	6	29	3	< 10
1476	S-334	17° 2.52'S	30°11.26'E	37	1	< 0.1	11	63	1.22	3	25	< 2	< 10
1477	S-335	17° 2.50'S	30°11.01'E	86	1	< 0.1	26	76	2.72	11	63	6	< 10
1478	S-336	17° 2.79'S	30°11.05'E	97	19	< 0.1	20	84	2.79	8	79	3	< 10
1479	S-337	17° 3.04'S	30°11.01'E	31	< 1	< 0.1	17	37	0.96	< 1	79	< 2	< 10
1480	S-338	17° 3.05'S	30°10.74'E	79	3	< 0.1	20	58	2.48	7	61	2	< 10
1481	S-339	17° 3.05'S	30°10.46'E	11	< 1	0.1	8	9	0.67	2	110	< 2	< 10
1482	S-340	17° 3.04'S	30°10.20'E	23	< 1	< 0.1	17	24	1.77	4	17	< 2	< 10
1483	S-341	17° 3.32'S	30°10.18'E	13	< 1	< 0.1	11	16	1.00	1	18	< 2	< 10
1484	S-342	17° 3.33'S	30°10.46'E	50	< 1	< 0.1	16	68	1.38	4	74	2	< 10
1485	S-343	17° 3.31'S	30°10.74'E	46	2	0.3	21	39	1.36	4	99	2	< 10
1486	M- 1	17° 3.66'S	30° 4.54'E	9	5	< 0.1	25	75	3.25	11	88	2	< 10
1487	M- 2	17° 3.66'S	30° 4.82'E	11	7	< 0.1	17	60	2.68	6	47	2	< 10
1488	M- 3	17° 3.66'S	30° 5.10'E	20	3	< 0.1	12	43	2.14	6	48	2	< 10
1489	M- 4	17° 3.66'S	30° 5.38'E	18	2	< 0.1	20	40	2.25	3	50	< 2	< 10
1490	M- 5	17° 3.66'S	30° 5.67'E	8	2	< 0.1	26	32	1.81	5	78	< 2	< 10
1491	M- 6	17° 3.93'S	30° 5.67'E	7	1	< 0.1	16	21	1.64	8	87	< 2	< 10
1492	M- 7	17° 3.93'S	30° 5.38'E	27	6	< 0.1	34	1419	3.13	13	79	2	< 10
1493	M- 8	17° 3.93'S	30° 5.10'E	26	4	< 0.1	19	57	2.56	5	70	2	< 10
1494	M- 9	17° 3.93'S	30° 4.82'E	4	1	< 0.1	12	56	2.37	5	31	< 2	< 10
1495	M- 10	17° 3.93'S	30° 4.54'E	2	2	< 0.1	7	631	2.54	7	113	45	< 10
1496	M- 11	17° 3.93'S	30° 4.26'E	30	8	< 0.1	19	97	4.13	5	74	59	< 10
1497	Y-380	17° 1.22'S	30° 5.09'E	147	5	0.2	20	485	5.90	21	96	3	< 10
1498	Y-381	17° 1.22'S	30° 5.38'E	6	2	< 0.1	7	29	1.85	4	29	< 2	< 10
1499	Y-382	17° 1.22'S	30° 5.66'E	11	13	< 0.1	18	46	2.34	5	41	< 2	< 10
1500	Y-383	17° 1.22'S	30° 5.94'E	10	15	< 0.1	8	43	2.68	11	49	< 2	< 10
1501	Y-384	17° 1.21'S	30° 6.22'E	6	2	< 0.1	8	46	2.67	8	50	< 2	< 10
1502	Y-385	17° 1.22'S	30° 6.51'E	9	< 1	0.9	14	32	2.30	4	36	< 2	< 10
1503	Y-386	17° 1.22'S	30° 6.78'E	9	< 1	< 0.1	29	48	2.99	7	56	< 2	< 10
1504	Y-387	17° 1.22'S	30° 7.09'E	14	5	0.2	15	175	2.93	8	48	13	< 10
1505	Y-388	17° 1.22'S	30° 7.35'E	28	< 1	0.2	18	73	2.98	8	48	31	< 10
1506	Y-389	17° 1.22'S	30° 7.63'E	5	10	< 0.1	17	41	1.90	5	69	< 2	< 10
1507	Y-390	17° 1.22'S	30° 7.92'E	3	2	< 0.1	18	40	2.03	4	67	< 2	< 10
1508	Y-391	17° 1.22'S	30° 8.19'E	16	3	< 0.1	23	43	2.11	10	66	< 2	< 10
1509	Y-392	17° 1.22'S	30° 8.48'E	5	< 1	< 0.1	25	44	1.85	< 1	40	< 2	< 10
1510	Y-393	17° 0.94'S	30° 8.48'E	31	< 1	0.3	25	81	3.13	11	92	42	< 10
1511	Y-394	17° 0.94'S	30° 8.21'E	20	< 1	< 0.1	18	64	2.47	7	56	8	< 10
1512	Y-395	17° 0.94'S	30° 7.93'E	12	6	< 0.1	21	1176	2.72	12	80	< 2	< 10
1513	Y-396	17° 0.94'S	30° 7.64'E	2	< 1	< 0.1	11	45	2.05	13	43	2	< 10
1514	Y-397	17° 0.94'S	30° 7.36'E	< 1	< 1	< 0.1	14	32	1.59	7	42	< 2	< 10
1515	Y-398	17° 0.94'S	30° 7.08'E	7	< 1	0.6	13	46	2.32	9	75	< 2	< 10
1516	Y-399	17° 0.94'S	30° 6.78'E	3	< 1	< 0.1	12	29	1.75	2	34	< 2	< 10
1517	Y-400	17° 0.94'S	30° 6.52'E	< 1	4	< 0.1	10	42	2.22	4	53	< 2	< 10
1518	Y-401	17° 0.94'S	30° 6.22'E	3	6	0.6	10	26	1.95	8	51	12	10
1519	Y-402	17° 0.94'S	30° 5.96'E	< 1	< 1	0.2	< 2	2	1.34	4	38	3	10
1520	Y-403	17° 0.94'S	30° 5.68'E	4	< 1	< 0.1	17	18	1.99	12	38	2	10
1521	Y-404	17° 0.94'S	30° 5.38'E	6	< 1	0.5	10	8	1.60	13	28	< 2	10
1522	I-425	17° 6.10'S	30° 4.54'E	37	3	< 0.1	27	52	3.06	18	69	3	< 10
1523	I-426	17° 6.10'S	30° 4.24'E	41	2	0.2	29	67	4.11	23	50	2	< 10
1524	I-427	17° 6.09'S	30° 3.97'E	47	3	0.3	29	83	5.25	24	52	< 2	< 10
1525	I-428	17° 6.10'S	30° 3.69'E	43	2	0.3	27	71	4.53	24	40	< 2	< 10
1526	I-429	17° 6.10'S	30° 3.42'E	37	3	0.1	29	65	3.85	22	70	2	< 10
1527	I-430	17° 6.08'S	30° 3.14'E	43	3	0.8	31	85	4.71	28	51	< 2	< 10
1528	I-431	17° 6.10'S	30° 2.85'E	34	3	0.1	17	93	4.33	15	87	5	< 10
1529	I-432	17° 6.10'S	30° 2.56'E	34	2	0.3	18	96	4.63	20	45	3	< 10
1530	I-433	17° 6.10'S	30° 2.28'E	19	3	< 0.1	22	154	6.15	26	32	7	< 10
1531	I-434	17° 6.10'S	30° 2.01'E	< 1	4	< 0.1	11	42	2.01	11	17	2	< 10
1532	I-435	17° 5.83'S	30° 2.00'E	7	3	< 0.1	16	35	1.27	5	38	3	< 10
1533	I-436	17° 5.83'S	30° 2.28'E	4	5	< 0.1	14	75	4.14	26	38	2	< 10
1534	I-437	17° 5.83'S	30° 2.56'E	16	2	0.1	31	131	5.62	12	53	2	< 10
1535	I-438	17° 5.83'S	30° 2.84'E	27	4	< 0.1	23	118	4.23	6	47	3	< 10
1536	I-439	17° 5.84'S	30° 3.14'E	51	6	0.4	31	93	3.68	9	36	4	< 10
1537	I-440	17° 5.83'S	30° 3.43'E	24	4	0.1	25	113	5.69	29	73	2	< 10
1538	I-441	17° 5.84'S	30° 3.69'E	43	4	< 0.1	26	107	5.39	25	42	2	< 10
1539	I-442	17° 5.83'S	30° 3.98'E	19	1	< 0.1	23	105	5.78	24	55	< 2	< 10
1540	I-443	17° 5.84'S	30° 4.26'E	4	< 1	0.9	20	316	5.29	24	97	52	< 10
1541	I-444	17° 5.83'S	30° 4.54'E	7	< 1	0.2	28	87	4.67	19	78	3	10
1542	I-445	17° 5.83'S	30° 4.82'E	10	2	< 0.1	26	138	6.34	30	192	47	10
1543	I-446	17° 5.84'S	30° 5.10'E	27	4	< 0.1	25	105	4.63	16	56	7	< 10
1544	M- 12	17° 3.93'S	30° 3.97'E	16	6	0.3	19	459	3.41	12	108	4	< 10
1545	M- 14	17° 3.93'S	30° 3.41'E	15	4	0.1	21	114	4.17	8	148	5	< 10
1546	M- 15	17° 3.93'S	30° 3.13'E	5	1	< 0.1	30	68	3.14	5	55	2	< 10
1547	M- 16	17° 4.20'S	30° 3.13'E	5	3	< 0.1	14	67	3.23	8	67	39	< 10
1548	M- 17	17° 4.20'S	30° 2.85'E	80	2	< 0.1	8	63	1.62	9	37	3	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1549	M- 18	17° 4.20'S	30° 2.56'E	1	2	< 0.1	24	37	2.27	5	58	2	< 10
1550	M- 19	17° 4.20'S	30° 2.28'E	< 1	< 1	< 0.1	27	30	1.71	7	61	2	< 10
1551	M- 20	17° 4.20'S	30° 2.00'E	42	3	< 0.1	19	67	2.89	9	82	3	< 10
1552	M- 21	17° 4.47'S	30° 2.00'E	27	4	< 0.1	15	47	2.81	12	66	3	< 10
1553	M- 22	17° 4.47'S	30° 2.28'E	90	2	< 0.1	28	69	2.09	6	114	< 2	< 10
1554	M- 23	17° 4.47'S	30° 2.56'E	10	1	< 0.1	23	251	1.81	7	177	< 2	< 10
1555	M- 24	17° 4.47'S	30° 2.85'E	22	3	0.3	21	87	3.52	9	41	34	30
1556	M- 25	17° 4.47'S	30° 3.13'E	45	7	0.2	15	359	2.40	12	37	46	10
1557	S-344	17° 3.33'S	30° 7.63'E	55	< 1	0.3	17	621	5.96	12	41	79	< 10
1558	S-345	17° 3.32'S	30° 7.91'E	39	1	0.1	7	88	3.92	13	54	2	< 10
1559	S-346	17° 3.32'S	30° 8.20'E	27	< 1	< 0.1	24	46	2.36	6	73	< 2	< 10
1560	S-347	17° 3.31'S	30° 8.47'E	71	< 1	0.4	47	182	6.85	13	37	2	< 10
1561	S-348	17° 3.34'S	30° 8.77'E	58	< 1	0.1	21	165	6.60	12	34	2	< 10
1562	S-349	17° 3.32'S	30° 9.06'E	56	< 1	< 0.1	18	507	5.72	16	75	76	< 10
1563	S-350	17° 3.38'S	30° 9.30'E	65	1	0.1	27	148	5.55	11	60	4	< 10
1564	S-351	17° 3.30'S	30° 9.59'E	37	< 1	< 0.1	15	55	2.70	12	39	3	< 10
1565	S-352	17° 3.31'S	30° 9.90'E	14	13	0.2	10	12	0.79	3	20	< 2	< 10
1566	S-353	17° 3.05'S	30° 9.90'E	48	< 1	< 0.1	16	107	4.29	15	58	2	< 10
1567	S-354	17° 3.05'S	30° 9.62'E	81	< 1	0.2	21	108	4.95	16	117	2	< 10
1568	S-355	17° 3.05'S	30° 9.33'E	60	1	< 0.1	22	158	5.90	12	51	4	< 10
1569	S-356	17° 3.05'S	30° 9.05'E	47	1	0.2	23	105	4.65	12	67	4	< 10
1570	S-357	17° 3.05'S	30° 8.77'E	5	< 1	< 0.1	19	18	0.88	3	20	< 2	< 10
1571	S-358	17° 3.04'S	30° 8.49'E	25	< 1	0.2	19	72	2.83	11	60	< 2	< 10
1572	S-359	17° 3.05'S	30° 8.19'E	52	< 1	< 0.1	25	670	5.33	9	114	69	< 10
1573	S-360	17° 3.05'S	30° 7.92'E	24	< 1	< 0.1	25	85	3.38	15	33	2	< 10
1574	S-361	17° 3.05'S	30° 7.64'E	104	< 1	< 0.1	4	780	4.51	23	65	2	< 10
1575	S-362	17° 3.05'S	30° 7.37'E	43	1	0.2	23	80	3.52	12	35	2	< 10
1576	S-363	17° 3.05'S	30° 7.08'E	29	< 1	< 0.1	11	61	2.98	9	45	4	< 10
1577	S-364	17° 3.07'S	30° 6.82'E	14	< 1	< 0.1	12	27	1.62	4	29	3	< 10
1578	S-365	17° 3.05'S	30° 6.51'E	10	< 1	< 0.1	16	53	2.32	6	75	2	< 10
1579	S-366	17° 3.33'S	30° 6.53'E	9	2	0.1	19	32	1.31	2	22	< 2	< 10
1580	S-367	17° 3.32'S	30° 6.79'E	35	< 1	0.3	36	1811	3.05	11	38	2	< 10
1581	S-368	17° 3.31'S	30° 7.08'E	43	< 1	0.2	39	153	5.19	16	59	2	< 10
1582	S-369	17° 3.28'S	30° 7.42'E	39	< 1	< 0.1	20	448	4.42	16	49	68	< 10
1583	Y-405	17° 4.74'S	30°10.46'E	8	6	< 0.1	3	2	0.57	4	14	< 2	< 10
1584	Y-406	17° 4.75'S	30°10.19'E	50	1	< 0.1	12	53	3.42	19	57	< 2	< 10
1585	Y-407	17° 4.74'S	30° 9.90'E	7	< 1	< 0.1	< 2	< 2	0.67	4	16	< 2	< 10
1586	Y-408	17° 4.74'S	30° 9.60'E	< 1	< 1	< 0.1	2	< 2	0.58	2	16	< 2	< 10
1587	Y-409	17° 4.74'S	30° 9.34'E	< 1	< 1	< 0.1	2	< 2	0.77	4	9	< 2	< 10
1588	Y-410	17° 4.73'S	30° 9.03'E	< 1	< 1	< 0.1	13	63	1.94	15	48	< 2	< 10
1589	Y-411	17° 4.73'S	30° 8.78'E	< 1	< 1	0.2	3	3	1.16	5	17	< 2	< 10
1590	Y-412	17° 4.74'S	30° 8.48'E	21	< 1	0.1	6	39	3.88	21	39	< 2	10
1591	Y-413	17° 5.00'S	30° 8.47'E	18	< 1	< 0.1	< 2	7	1.10	6	28	3	< 10
1592	Y-414	17° 5.02'S	30° 8.76'E	< 1	< 1	< 0.1	< 2	5	0.86	5	26	< 2	< 10
1593	Y-415	17° 5.01'S	30° 9.05'E	2	< 1	< 0.1	< 2	< 2	0.43	4	4	< 2	< 10
1594	Y-416	17° 5.00'S	30° 9.32'E	< 1	< 1	< 0.1	< 2	< 2	0.55	1	12	< 2	< 10
1595	Y-417	17° 5.00'S	30° 9.61'E	< 1	< 1	< 0.1	< 2	< 2	0.61	6	21	< 2	< 10
1596	Y-418	17° 5.02'S	30° 9.88'E	17	< 1	< 0.1	< 2	82	1.32	8	29	10	< 10
1597	Y-419	17° 5.00'S	30°10.17'E	32	< 1	< 0.1	5	55	3.09	18	40	< 2	< 10
1598	Y-420	17° 5.01'S	30°10.46'E	27	< 1	< 0.1	8	24	1.37	7	42	< 2	< 10
1599	Y-421	17° 5.01'S	30°10.73'E	2	< 1	0.1	< 2	3	0.68	3	31	< 2	< 10
1600	Y-422	17° 5.01'S	30°11.01'E	2	< 1	0.3	< 2	3	0.73	1	24	< 2	< 10
1601	Y-423	17° 5.01'S	30°11.30'E	12	< 1	< 0.1	4	51	0.77	4	22	8	< 10
1602	Y-424	17° 5.01'S	30°11.60'E	18	< 1	< 0.1	9	93	2.37	11	59	< 2	< 10
1603	Y-425	17° 5.01'S	30°11.87'E	46	< 1	< 0.1	< 2	52	2.42	10	68	< 2	< 10
1604	Y-426	17° 4.74'S	30°11.88'E	53	< 1	< 0.1	10	46	2.54	13	75	< 2	< 10
1605	Y-427	17° 4.73'S	30°11.58'E	78	< 1	0.1	10	24	1.22	8	32	< 2	< 10
1606	Y-428	17° 4.74'S	30°11.30'E	138	20	0.2	< 2	74	3.42	20	60	5	< 10
1607	Y-429	17° 4.74'S	30°11.03'E	819	138	0.8	2	97	2.42	21	61	4	< 10
1608	Y-430	17° 4.74'S	30°10.75'E	11	2	< 0.1	5	27	1.25	9	41	2	< 10
1609	I-447	17° 5.84'S	30°10.18'E	< 1	< 1	< 0.1	12	48	1.42	4	39	< 2	< 10
1610	I-448	17° 5.86'S	30°10.46'E	120	6	< 0.1	34	162	5.89	30	75	< 2	< 10
1611	I-449	17° 5.83'S	30°10.74'E	< 1	6	< 0.1	9	59	2.03	9	25	< 2	< 10
1612	I-450	17° 5.84'S	30°11.02'E	< 1	< 1	< 0.1	3	21	0.83	1	14	< 2	< 10
1613	I-451	17° 5.83'S	30°11.31'E	< 1	4	0.1	17	88	2.58	13	146	< 2	< 10
1614	I-452	17° 5.85'S	30°11.59'E	< 1	1	< 0.1	25	77	2.83	11	179	< 2	< 10
1615	I-453	17° 5.83'S	30°11.87'E	13	2	0.1	28	52	1.64	5	74	< 2	< 10
1616	I-454	17° 6.10'S	30°11.87'E	5	1	0.1	26	44	1.12	2	48	< 2	< 10
1617	I-455	17° 6.10'S	30°11.57'E	5	2	< 0.1	25	50	1.39	3	32	2	< 10
1618	I-456	17° 6.10'S	30°11.29'E	6	2	< 0.1	20	606	2.51	10	31	28	< 10
1619	I-457	17° 6.10'S	30°11.02'E	< 1	1	< 0.1	19	35	1.10	2	26	< 2	< 10
1620	I-458	17° 6.11'S	30°10.74'E	3	2	< 0.1	16	52	2.08	2	43	< 2	< 10
1621	I-459	17° 6.10'S	30°10.46'E	3	16	< 0.1	13	35	1.67	2	231	< 2	< 10
1622	I-460	17° 6.10'S	30°10.17'E	10	4	< 0.1	25	74	4.26	13	208	< 2	< 10
1623	I-461	17° 6.10'S	30° 9.94'E	9	6	0.1	23	78	3.28	8	161	2	< 10
1624	I-462	17° 6.37'S	30° 9.89'E	11	< 1	< 0.1	12	24	0.98	3	44	< 2	< 10
1625	I-463	17° 6.36'S	30°10.18'E	7	< 1	< 0.1	20	39	1.60	5	72	< 2	< 10
1626	I-464	17° 6.37'S	30°10.46'E	5	3	< 0.1	14	27	1.31	6	47	< 2	< 10
1627	I-465	17° 6.37'S	30°10.74'E	29	6	< 0.1	29	737	1.89	7	50	62	< 10
1628	I-466	17° 6.38'S	30°11.04'E	17	3	< 0.1	22	36	1.25	3	37	2	< 10
1629	I-467	17° 6.36'S	30°11.32'E	44	2	0.1	34	62	2.12	8	66	< 2	< 10
1630	I-468	17° 6.36'S	30°11.58'E	29	2	< 0.1	34	40	1.48	6	54	< 2	< 10
1631	I-469	17° 6.37'S	30°11.87'E	39	2	< 0.1	29	36	1.28	9	179	< 2	< 10
1632	I-470	17° 6.63'S	30°11.87'E	54	2	0.3	38	53	2.58	11	57	< 2	< 10
1633	I-471	17° 6.64'S	30°11.59'E	26	2	0.3	35	42	1.76	6	97	2	< 10
1634	I-472	17° 6.64'S	30°11.30'E	51	5	0.3	50	33	1.06	6	77	5	< 10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1635	I-473	17° 6.64'S	30°11.02'E	12	1	0.1	20	18	0.71	3	67	< 2	< 10
1636	I-474	17° 6.63'S	30°10.73'E	11	4	< 0.1	26	28	1.40	6	60	< 2	< 10
1637	I-475	17° 6.64'S	30°10.45'E	6	2	0.2	19	27	1.19	7	190	< 2	< 10
1638	I-476	17° 6.62'S	30°10.18'E	43	18	< 0.1	26	42	1.39	5	38	< 2	< 10
1639	I-477	17° 6.64'S	30° 9.90'E	9	2	< 0.1	35	41	1.89	6	74	< 2	< 10
1640	I-478	17° 6.64'S	30° 9.64'E	16	450	0.1	30	47	2.35	7	59	< 2	< 10
1641	S-370	17° 6.84'S	30° 3.97'E	40	1	0.2	33	1862	3.39	15	104	4	< 10
1642	S-371	17° 6.85'S	30° 3.70'E	42	2	0.2	26	66	2.04	6	75	49	< 10
1643	S-372	17° 6.85'S	30° 3.42'E	54	2	< 0.1	34	85	3.34	5	29	6	< 10
1644	S-373	17° 6.84'S	30° 3.13'E	72	2	0.2	34	71	2.70	5	45	8	< 10
1645	S-374	17° 6.83'S	30° 2.86'E	65	4	0.6	19	61	1.95	6	72	4	< 10
1646	S-375	17° 6.83'S	30° 2.57'E	52	4	0.2	21	84	3.62	6	26	3	< 10
1647	S-376	17° 6.83'S	30° 2.29'E	24	< 1	< 0.1	17	40	2.14	9	59	2	< 10
1648	S-377	17° 6.83'S	30° 2.01'E	68	< 1	< 0.1	5	142	5.16	13	26	2	< 10
1649	S-378	17° 7.11'S	30° 2.01'E	40	< 1	< 0.1	17	27	1.57	4	20	2	10
1650	S-379	16°58.50'S	30° 3.97'E	51	< 1	< 0.1	18	42	1.98	7	24	2	< 10
1651	S-380	16°58.50'S	30° 4.27'E	18	< 1	< 0.1	< 2	4	0.91	2	29	< 2	< 10
1652	S-381	17° 7.12'S	30° 2.28'E	48	< 1	< 0.1	9	42	2.42	5	13	3	< 10
1653	S-382	17° 6.98'S	30° 2.55'E	89	3	< 0.1	12	1097	3.18	10	41	78	< 10
1654	S-383	17° 7.12'S	30° 2.90'E	87	2	< 0.1	< 2	67	2.32	8	34	6	< 10
1655	S-384	16°58.52'S	30° 4.57'E	112	3	0.2	13	91	2.74	9	45	5	< 10
1656	S-385	16°58.51'S	30° 4.88'E	76	< 1	< 0.1	4	69	2.63	7	30	5	< 10
1657	S-386	16°58.52'S	30° 5.17'E	54	< 1	< 0.1	15	62	3.58	8	26	2	< 10
1658	S-387	17° 7.11'S	30° 3.13'E	71	2	< 0.1	15	39	2.15	5	47	3	< 10
1659	S-388	17° 7.12'S	30° 3.41'E	91	3	< 0.1	11	84	4.87	13	57	5	< 10
1660	S-389	16°58.51'S	30° 5.46'E	80	< 1	< 0.1	10	128	5.76	11	34	3	< 10
1661	S-390	16°58.50'S	30° 5.74'E	61	1	< 0.1	9	94	4.98	9	42	3	< 10
1662	S-391	17° 7.13'S	30° 3.72'E	69	1	< 0.1	16	1236	5.93	8	28	125	< 10
1663	S-392	17° 7.11'S	30° 3.99'E	51	< 1	< 0.1	< 2	38	3.51	7	18	3	< 10
1664	Y-431	17° 5.56'S	30°10.47'E	119	2	0.2	< 2	108	4.46	24	84	2	< 10
1665	Y-432	17° 5.56'S	30°10.73'E	4	< 1	< 0.1	< 2	20	1.37	6	35	< 2	< 10
1666	Y-433	17° 5.57'S	30°11.03'E	< 1	< 1	< 0.1	< 2	193	1.58	6	39	23	< 10
1667	Y-434	17° 5.57'S	30°11.30'E	2	< 1	< 0.1	< 2	9	0.72	2	17	< 2	< 10
1668	Y-435	17° 5.56'S	30°11.58'E	22	< 1	< 0.1	12	50	2.08	9	48	< 2	10
1669	Y-436	17° 5.57'S	30°11.88'E	38	< 1	0.3	5	47	2.43	16	63	2	10
1670	Y-437	17° 5.29'S	30°11.87'E	60	< 1	0.1	7	55	2.87	13	58	< 2	< 10
1671	Y-438	17° 5.29'S	30°11.60'E	28	< 1	< 0.1	< 2	55	2.30	12	82	< 2	< 10
1672	Y-439	17° 5.29'S	30°11.29'E	29	2	< 0.1	11	20	1.00	4	56	4	< 10
1673	Y-440	17° 5.28'S	30°11.03'E	< 1	3	< 0.1	4	29	1.49	9	40	< 2	< 10
1674	Y-441	17° 5.29'S	30°10.75'E	< 1	< 1	0.1	3	10	0.82	3	24	< 2	< 10
1675	Y-442	17° 5.28'S	30°10.45'E	< 1	< 1	< 0.1	< 2	< 2	0.51	2	16	< 2	< 10
1676	Y-443	17° 5.29'S	30°10.19'E	31	7	< 0.1	< 2	98	0.41	8	113	5	< 10
1677	Y-444	17° 5.29'S	30° 9.90'E	30	< 1	< 0.1	< 2	42	2.85	10	36	< 2	< 10
1678	Y-445	17° 5.29'S	30° 9.60'E	11	< 1	< 0.1	< 2	7	0.97	2	50	2	< 10
1679	Y-446	17° 5.29'S	30° 9.31'E	7	< 1	< 0.1	< 2	13	1.44	3	14	< 2	< 10
1680	Y-447	17° 5.29'S	30° 9.05'E	2	< 1	< 0.1	< 2	< 2	0.77	4	24	< 2	< 10
1681	Y-448	17° 5.29'S	30° 8.78'E	3	< 1	0.2	6	< 2	0.69	5	37	< 2	< 10
1682	Y-449	17° 5.29'S	30° 8.49'E	5	< 1	< 0.1	< 2	2	0.67	4	21	< 2	< 10
1683	Y-450	17° 5.29'S	30° 8.21'E	< 1	< 1	< 0.1	2	< 2	0.56	3	16	< 2	< 10
1684	Y-451	17° 5.55'S	30° 8.20'E	< 1	< 1	< 0.1	< 2	< 2	0.54	3	36	< 2	< 10
1685	Y-452	17° 5.56'S	30° 8.47'E	< 1	< 1	< 0.1	< 2	< 2	0.43	3	27	< 2	< 10
1686	Y-453	17° 5.56'S	30° 8.76'E	< 1	< 1	< 0.1	< 2	< 2	0.58	4	43	4	< 10
1687	Y-454	17° 5.55'S	30° 9.05'E	6	< 1	< 0.1	< 2	< 2	0.72	3	35	< 2	< 10
1688	Y-455	17° 5.56'S	30° 9.34'E	< 1	< 1	< 0.1	< 2	192	0.57	3	17	6	< 10
1689	Y-456	17° 5.56'S	30° 9.61'E	1	< 1	0.9	< 2	5	1.02	3	52	18	< 10
1690	Y-457	17° 5.56'S	30° 9.88'E	< 1	< 1	< 0.1	< 2	34	0.81	5	71	< 2	< 10
1691	Y-458	17° 5.56'S	30°10.17'E	8	< 1	< 0.1	< 2	27	1.99	4	45	< 2	< 10
1692	M- 13	17° 3.93'S	30° 3.69'E	19	5	< 0.1	35	2440	2.72	7	44	3	< 10
1693	I-479	17° 5.82'S	30° 9.89'E	92	5	< 0.1	29	92	3.85	17	89	< 2	< 10
1694	I-480	17° 5.81'S	30° 9.61'E	5	< 1	< 0.1	17	11	0.83	2	25	< 2	< 10
1695	I-481	17° 5.83'S	30° 9.34'E	6	2	< 0.1	24	10	0.76	3	71	< 2	< 10
1696	I-482	17° 5.83'S	30° 9.05'E	20	5	< 0.1	17	9	0.71	4	85	< 2	< 10
1697	I-483	17° 5.82'S	30° 8.78'E	11	1	< 0.1	11	10	0.81	3	41	< 2	< 10
1698	I-484	17° 5.83'S	30° 8.49'E	9	2	< 0.1	11	5	0.57	< 1	28	< 2	< 10
1699	I-485	17° 5.83'S	30° 8.19'E	5	1	< 0.1	13	7	0.54	1	19	< 2	< 10
1700	I-486	17° 5.85'S	30° 7.92'E	5	< 1	< 0.1	20	7	0.78	1	45	< 2	< 10
1701	I-487	17° 5.83'S	30° 7.65'E	6	1	< 0.1	12	260	0.72	1	84	24	< 10
1702	I-488	17° 5.82'S	30° 7.36'E	61	2	0.3	23	46	2.85	5	170	46	< 10
1703	I-489	17° 5.83'S	30° 7.08'E	41	2	< 0.1	37	108	4.65	22	85	4	< 10
1704	I-490	17° 5.83'S	30° 6.80'E	31	3	< 0.1	23	61	3.57	15	51	2	< 10
1705	I-491	17° 5.84'S	30° 6.51'E	46	5	0.4	36	68	3.34	12	67	5	< 10
1706	I-492	17° 6.10'S	30° 6.51'E	43	4	0.4	44	65	2.94	22	73	4	< 10
1707	I-493	17° 6.10'S	30° 6.78'E	25	4	< 0.1	33	46	3.02	19	161	64	< 10
1708	I-494	17° 6.09'S	30° 7.09'E	25	3	< 0.1	26	36	2.74	19	94	5	< 10
1709	I-495	17° 6.10'S	30° 7.36'E	7	< 1	< 0.1	12	8	0.77	4	61	2	< 10
1710	I-496	17° 6.10'S	30° 7.65'E	4	1	0.1	19	7	0.62	< 1	31	< 2	< 10
1711	I-497	17° 6.10'S	30° 7.92'E	4	< 1	< 0.1	15	4	0.49	1	77	< 2	< 10
1712	I-498	17° 6.10'S	30° 8.19'E	9	2	< 0.1	20	7	0.46	2	57	< 2	< 10
1713	I-499	17° 6.10'S	30° 8.48'E	7	1	< 0.1	23	5	0.57	2	35	< 2	< 10
1714	I-500	17° 6.10'S	30° 8.76'E	32	2	0.1	16	34	2.02	9	52	2	< 10
1715	I-501	17° 6.09'S	30° 9.05'E	59	5	0.2	19	75	2.88	10	70	53	30
1716	I-502	17° 6.10'S	30° 9.32'E	76	4	0.1	27	75	3.02	11	45	39	10
1717	I-503	17° 6.10'S	30° 9.61'E	90	6	< 0.1	35	278	3.64	16	50	24	40
1718	S-393	16°58.52'S	30° 6.03'E	68	4	< 0.1	10	49	2.95	8	40	5	< 10
1719	S-394	16°58.51'S	30° 6.31'E	78	2	1.7	2	107	5.69	15	29	3	< 10
1720	S-395	16°58.51'S	30° 6.62'E	65	1	< 0.1	9	128	3.08	17	42	4	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1721	S-396	16°58.52'S	30° 6.91'E	85	2	< 0.1	41	93	5.85	12	34	3	10
1722	S-397	16°58.50'S	30° 7.20'E	71	2	< 0.1	14	58	3.08	7	35	4	10
1723	S-398	16°58.52'S	30° 7.49'E	29	< 1	< 0.1	5	13	1.84	5	17	32	< 10
1724	S-399	16°58.51'S	30° 7.78'E	36	< 1	< 0.1	16	43	3.36	12	55	3	< 10
1725	S-400	16°58.51'S	30° 8.07'E	80	1	< 0.1	17	69	4.63	7	18	3	< 10
1726	Y-459	17° 5.01'S	30° 6.78'E	17	< 1	< 0.1	24	96	4.26	16	97	2	< 10
1727	Y-460	17° 5.01'S	30° 7.08'E	9	< 1	< 0.1	24	107	2.81	21	124	2	10
1728	Y-461	17° 5.02'S	30° 7.35'E	29	1	< 0.1	29	141	6.54	17	92	< 2	< 10
1729	Y-462	17° 5.01'S	30° 7.63'E	30	< 1	< 0.1	14	68	4.48	24	39	< 2	10
1730	Y-463	17° 5.29'S	30° 7.65'E	42	< 1	< 0.1	28	146	6.55	25	78	28	< 10
1731	Y-464	17° 5.29'S	30° 7.36'E	38	1	< 0.1	35	873	5.70	33	125	< 2	< 10
1732	Y-465	17° 5.29'S	30° 7.09'E	30	1	< 0.1	31	118	4.08	27	79	66	10
1733	Y-466	17° 5.29'S	30° 6.80'E	38	1	< 0.1	17	41	2.70	22	124	3	< 10
1734	Y-467	17° 5.48'S	30° 6.79'E	26	2	< 0.1	9	33	2.92	17	79	10	< 10
1735	Y-468	17° 5.57'S	30° 7.07'E	29	1	< 0.1	15	38	2.97	7	51	2	< 10
1736	Y-469	17° 5.56'S	30° 7.36'E	33	3	< 0.1	16	25	1.93	14	46	8	< 10
1737	Y-470	17° 5.56'S	30° 7.63'E	3	2	< 0.1	8	< 2	0.76	16	65	2	< 10
1738	Y-471	17° 5.56'S	30° 7.91'E	23	< 1	< 0.1	11	33	3.22	6	71	5	< 10
1739	Y-472	17° 5.30'S	30° 7.93'E	17	< 1	0.7	14	41	3.14	29	68	19	< 10
1740	Y-473	17° 5.01'S	30° 7.92'E	16	< 1	< 0.1	13	37	3.03	21	63	2	< 10
1741	Y-475	17° 4.74'S	30° 8.21'E	38	< 1	0.1	21	87	5.20	23	39	< 2	< 10
1742	Y-476	17° 4.74'S	30° 7.91'E	25	< 1	< 0.1	9	80	4.52	27	48	< 2	10
1743	Y-477	17° 4.74'S	30° 7.65'E	50	< 1	< 0.1	2	104	5.25	28	24	8	< 10
1744	Y-478	17° 4.74'S	30° 7.37'E	18	< 1	0.4	5	86	3.01	14	50	20	10
1745	Y-480	17° 4.74'S	30° 6.80'E	22	< 1	< 0.1	< 2	60	3.00	21	97	3	10
1746	Y-481	17° 4.74'S	30° 6.50'E	35	9	< 0.1	16	143	4.91	19	60	18	< 10
1747	Y-482	17° 4.75'S	30° 6.22'E	36	1	< 0.1	15	120	4.95	23	57	28	< 10
1748	Y-483	17° 4.74'S	30° 5.96'E	39	1	< 0.1	18	91	4.66	22	53	2	< 10
1749	Y-484	17° 5.01'S	30° 5.94'E	38	2	< 0.1	10	86	3.73	17	47	< 2	10
1750	Y-485	17° 5.01'S	30° 6.23'E	19	< 1	< 0.1	4	23	2.01	11	32	2	< 10
1751	Y-486	17° 5.00'S	30° 6.50'E	27	< 1	< 0.1	20	64	3.66	17	76	24	10
1752	I-504	17° 6.36'S	30° 9.61'E	12	4	0.1	42	89	3.09	11	49	4	30
1753	I-505	17° 6.37'S	30° 9.33'E	10	3	< 0.1	20	22	1.11	4	60	< 2	< 10
1754	I-506	17° 6.36'S	30° 9.07'E	10	2	< 0.1	27	38	1.74	8	51	< 2	50
1755	I-507	17° 6.38'S	30° 8.77'E	34	5	< 0.1	30	36	2.54	7	106	< 2	< 10
1756	I-508	17° 6.37'S	30° 8.46'E	9	< 1	< 0.1	11	4	0.71	< 1	17	< 2	< 10
1757	I-509	17° 6.36'S	30° 8.21'E	12	1	< 0.1	9	8	0.66	3	57	< 2	< 10
1758	I-510	17° 6.36'S	30° 7.92'E	12	1	< 0.1	7	5	0.70	3	17	< 2	< 10
1759	I-511	17° 6.37'S	30° 7.64'E	10	2	< 0.1	23	5	0.88	4	22	< 2	30
1760	I-512	17° 6.37'S	30° 7.36'E	10	< 1	< 0.1	11	7	1.01	16	197	< 2	10
1761	I-513	17° 6.36'S	30° 7.08'E	26	2	< 0.1	22	22	2.57	9	27	3	< 10
1762	I-514	17° 6.37'S	30° 6.79'E	49	1	0.1	29	59	4.17	23	69	2	10
1763	I-515	17° 6.37'S	30° 6.52'E	40	3	< 0.1	41	85	5.23	9	44	3	10
1764	I-516	17° 6.64'S	30° 6.52'E	24	1	< 0.1	20	30	2.28	15	140	3	40
1765	I-517	17° 6.64'S	30° 6.79'E	12	1	< 0.1	24	11	1.56	7	43	2	30
1766	I-518	17° 6.63'S	30° 7.08'E	7	3	< 0.1	16	69	0.67	3	27	13	100
1767	I-519	17° 6.63'S	30° 7.36'E	9	< 1	< 0.1	14	3	0.62	3	33	< 2	10
1768	I-520	17° 6.64'S	30° 7.64'E	13	3	< 0.1	19	< 2	0.62	3	27	< 2	50
1769	I-521	17° 6.63'S	30° 7.92'E	30	4	0.1	33	29	2.29	14	35	2	< 10
1770	I-522	17° 6.65'S	30° 8.20'E	29	2	< 0.1	39	32	1.76	8	41	< 2	10
1771	I-523	17° 6.62'S	30° 8.47'E	19	< 1	< 0.1	20	70	0.81	6	41	16	< 10
1772	I-524	17° 6.64'S	30° 8.78'E	18	3	< 0.1	31	28	1.38	9	81	2	< 10
1773	I-525	17° 6.64'S	30° 9.04'E	18	8	< 0.1	36	36	1.54	7	28	< 2	10
1774	I-526	17° 6.65'S	30° 9.33'E	19	14	< 0.1	33	41	1.62	7	53	< 2	< 10
1775	S-401	16°58.51'S	30° 8.35'E	105	3	< 0.1	22	55	2.89	9	33	4	< 10
1776	S-402	16°58.52'S	30° 8.64'E	79	< 1	< 0.1	14	64	3.47	7	25	4	< 10
1777	S-403	16°58.52'S	30° 8.94'E	61	< 1	< 0.1	10	59	3.16	4	21	2	< 10
1778	S-404	16°58.51'S	30° 9.22'E	186	4	< 0.1	16	92	3.78	9	39	3	< 10
1779	S-405	16°58.51'S	30° 9.53'E	48	1	< 0.1	9	41	2.96	5	38	3	10
1780	S-406	16°58.50'S	30° 9.81'E	76	1	< 0.1	17	135	7.88	15	33	2	< 10
1781	S-407	16°58.50'S	30°10.10'E	34	< 1	< 0.1	12	60	4.49	13	32	2	< 10
1782	S-408	16°58.51'S	30°10.41'E	75	< 1	< 0.1	2	70	6.60	17	54	3	< 10
1783	S-409	16°58.51'S	30°10.70'E	72	2	< 0.1	9	79	4.56	14	36	3	< 10
1784	S-410	16°58.51'S	30°11.00'E	44	1	< 0.1	10	62	4.74	13	18	2	< 10
1785	S-411	16°58.50'S	30°11.30'E	68	3	< 0.1	2	53	4.43	8	50	4	< 10
1786	S-412	16°58.51'S	30°11.60'E	54	< 1	< 0.1	9	89	6.34	9	26	2	< 10
1787	S-413	16°58.23'S	30° 5.10'E	42	< 1	< 0.1	< 2	646	4.47	7	21	64	< 10
1788	S-414	16°58.24'S	30° 5.38'E	41	1	< 0.1	8	26	1.94	7	51	71	< 10
1789	S-415	16°58.25'S	30° 5.67'E	39	< 1	< 0.1	< 2	12	1.88	6	35	4	< 10
1790	S-416	16°58.23'S	30° 5.98'E	10	< 1	< 0.1	< 2	10	1.64	5	34	2	< 10
1791	S-417	16°58.23'S	30° 6.27'E	8	< 1	< 0.1	< 2	8	1.47	1	14	2	< 10
1792	S-418	16°58.24'S	30° 6.58'E	5	< 1	< 0.1	3	< 2	0.67	< 1	3	< 2	< 10
1793	S-419	16°58.25'S	30° 6.87'E	11	< 1	< 0.1	4	13	1.57	< 1	19	38	< 10
1794	S-420	16°58.24'S	30° 7.18'E	42	2	< 0.1	4	16	1.29	5	28	3	< 10
1795	S-421	16°58.25'S	30° 7.49'E	51	< 1	< 0.1	2	45	3.82	12	42	3	< 10
1796	S-422	16°58.23'S	30° 7.78'E	7	< 1	< 0.1	6	23	1.62	7	41	3	< 10
1797	S-423	16°58.23'S	30° 8.07'E	29	< 1	< 0.1	5	17	2.24	4	29	2	< 10
1798	S-424	16°58.24'S	30° 8.37'E	77	< 1	< 0.1	18	109	7.18	10	35	3	< 10
1799	S-425	16°58.23'S	30° 8.66'E	31	< 1	< 0.1	9	1178	2.96	8	17	2	< 10
1800	S-426	16°58.24'S	30° 8.98'E	25	1	< 0.1	21	33	2.50	8	23	5	< 10
1801	S-427	16°58.25'S	30° 9.27'E	58	3	0.3	22	55	3.70	7	47	44	10
1802	S-428	16°58.25'S	30° 9.57'E	51	2	0.7	19	74	5.31	9	26	50	10
1803	S-429	16°58.24'S	30° 9.88'E	47	3	0.2	22	88	2.73	9	24	14	10
1804	M- 26	17° 4.20'S	30° 4.26'E	41	5	0.2	22	278	3.60	4	35	26	10
1805	M- 27	17° 4.20'S	30° 3.97'E	33	3	< 0.1	15	46	2.46	11	70	2	10
1806	M- 29	17° 4.20'S	30° 3.41'E	21	1	0.1	16	41	1.86	8	55	< 2	< 10

No.	Loc.No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1807	M- 30	17° 4.47'S	30° 3.41'E	43	3	< 0.1	8	67	4.03	11	54	< 2	< 10
1808	M- 32	17° 4.47'S	30° 3.97'E	34	3	< 0.1	32	76	4.18	14	64	< 2	10
1809	M- 33	17° 4.47'S	30° 4.26'E	38	16	< 0.1	18	51	3.23	8	41	2	< 10
1810	M- 34	17° 4.47'S	30° 4.54'E	52	3	< 0.1	< 2	47	3.11	14	28	< 2	< 10
1811	M- 35	17° 4.47'S	30° 4.82'E	13	< 1	< 0.1	12	14	1.19	9	10	< 2	< 10
1812	M- 37	17° 4.47'S	30° 5.38'E	43	1	< 0.1	21	110	3.87	9	24	< 2	< 10
1813	Y-474	17° 5.01'S	30° 8.20'E	21	4	< 0.1	15	372	3.21	16	67	< 2	< 10
1814	Y-479	17° 4.64'S	30° 7.08'E	39	2	0.2	14	435	4.16	16	91	3	< 10
1815	Y-487	17° 5.56'S	30° 5.94'E	42	2	< 0.1	32	554	5.71	85	84	49	< 10
1816	Y-488	17° 5.28'S	30° 5.95'E	58	< 1	< 0.1	21	143	6.55	33	61	68	< 10
1817	Y-489	17° 5.29'S	30° 6.24'E	49	< 1	< 0.1	21	123	5.70	33	124	2	10
1818	Y-490	17° 5.28'S	30° 6.50'E	20	2	< 0.1	7	37	1.30	2	89	< 2	< 10
1819	Y-491	17° 5.55'S	30° 6.52'E	67	3	0.1	15	93	3.72	18	71	4	< 10
1820	Y-494	17° 4.74'S	30° 3.97'E	51	< 1	< 0.1	22	107	5.35	28	45	7	10
1821	Y-495	17° 4.74'S	30° 3.69'E	44	< 1	< 0.1	10	71	4.47	24	83	2	< 10
1822	Y-496	17° 4.74'S	30° 3.40'E	58	1	< 0.1	19	72	4.75	22	65	12	< 10
1823	Y-497	17° 4.74'S	30° 3.14'E	40	< 1	< 0.1	7	72	4.30	9	48	< 2	10
1824	Y-498	17° 4.74'S	30° 2.85'E	18	< 1	< 0.1	7	49	1.77	7	43	< 2	< 10
1825	Y-500	17° 4.73'S	30° 2.28'E	36	3	0.1	16	57	3.26	18	71	14	10
1826	Y-501	17° 4.74'S	30° 2.00'E	58	3	0.4	15	95	4.36	17	74	9	30
1827	Y-502	17° 5.02'S	30° 2.01'E	42	2	0.2	< 2	45	2.69	12	64	9	10
1828	Y-503	17° 5.02'S	30° 2.27'E	89	5	0.3	3	71	2.58	17	80	9	10
1829	Y-505	17° 5.01'S	30° 2.84'E	44	1	0.2	3	68	3.16	31	96	< 2	< 10
1830	Y-507	17° 5.01'S	30° 3.40'E	62	< 1	0.1	7	174	6.76	22	78	2	10
1831	Y-508	17° 5.01'S	30° 3.69'E	79	< 1	< 0.1	18	184	6.25	22	66	< 2	10
1832	I-527	17° 6.37'S	30° 3.42'E	56	< 1	< 0.1	53	127	6.52	26	34	2	< 10
1833	I-528	17° 6.36'S	30° 3.13'E	63	1	0.1	59	113	5.72	23	59	2	10
1834	I-529	17° 6.37'S	30° 2.85'E	50	< 1	< 0.1	41	88	5.21	21	69	2	< 10
1835	I-530	17° 6.37'S	30° 2.56'E	75	4	0.1	47	76	4.22	14	101	6	10
1836	I-531	17° 6.37'S	30° 2.28'E	48	< 1	0.2	56	97	5.31	18	24	2	< 10
1837	I-532	17° 6.37'S	30° 2.02'E	84	2	0.6	43	115	4.90	18	58	2	< 10
1838	I-533	17° 6.64'S	30° 2.00'E	61	< 1	0.2	45	417	4.73	21	36	35	< 10
1839	I-534	17° 6.64'S	30° 2.28'E	51	< 1	0.1	53	94	4.69	11	62	4	< 10
1840	I-535	17° 6.64'S	30° 2.56'E	64	4	0.4	39	54	3.54	16	45	3	< 10
1841	I-536	17° 6.65'S	30° 2.85'E	55	5	0.3	46	83	5.04	23	59	2	< 10
1842	I-537	17° 6.65'S	30° 3.13'E	56	1	< 0.1	37	54	3.36	18	52	2	< 10
1843	I-538	17° 6.64'S	30° 3.41'E	62	2	< 0.1	39	57	2.80	13	51	3	< 10
1844	I-539	17° 6.64'S	30° 3.76'E	57	4	< 0.1	35	75	3.71	18	36	6	< 10
1845	I-540	17° 6.64'S	30° 3.97'E	55	1	0.1	42	51	2.67	10	40	3	< 10
1846	I-541	17° 6.38'S	30° 3.97'E	44	3	0.1	41	58	2.62	12	53	3	< 10
1847	I-542	17° 6.37'S	30° 3.68'E	50	3	< 0.1	36	50	3.49	18	141	4	< 10
1848	M- 28	17° 4.20'S	30° 3.69'E	43	2	< 0.1	19	1428	3.43	9	50	2	10
1849	M- 31	17° 4.47'S	30° 3.69'E	36	2	0.1	50	1227	3.69	11	34	< 2	< 10
1850	M- 36	17° 4.47'S	30° 5.10'E	40	< 1	< 0.1	31	1244	4.29	14	19	< 2	< 10
1851	M- 38	17° 4.47'S	30° 5.67'E	53	< 1	< 0.1	38	148	6.45	9	21	2	< 10
1852	M- 39	17° 4.47'S	30° 5.95'E	81	1	< 0.1	28	461	7.94	12	59	< 2	< 10
1853	M- 40	17° 4.47'S	30° 6.23'E	58	2	< 0.1	22	278	6.37	17	20	2	10
1854	M- 41	17° 4.20'S	30° 6.23'E	50	< 1	< 0.1	23	475	5.99	12	17	53	10
1855	M- 42	17° 4.20'S	30° 5.95'E	49	< 1	< 0.1	31	92	4.49	9	35	2	< 10
1856	M- 43	17° 4.20'S	30° 5.67'E	33	8	< 0.1	17	473	3.45	10	40	2	< 10
1857	S-430	16°58.23'S	30°10.19'E	14	68	< 0.1	11	16	2.01	5	37	3	10
1858	S-431	16°58.23'S	30°10.49'E	7	< 1	< 0.1	< 2	7	1.99	7	17	2	10
1859	S-432	16°58.25'S	30°10.78'E	3	< 1	< 0.1	3	< 2	0.75	2	25	< 2	10
1860	S-433	16°58.23'S	30°11.09'E	7	< 1	< 0.1	< 2	4	1.01	3	9	< 2	10
1861	S-434	16°58.23'S	30°11.39'E	10	1	< 0.1	3	21	1.98	4	34	2	10
1862	S-435	16°58.25'S	30°11.68'E	14	< 1	< 0.1	13	3	0.87	5	8	< 2	< 10
1863	S-436	16°58.24'S	30°11.98'E	3	< 1	0.2	< 2	8	1.39	< 1	9	< 2	10
1864	S-437	17° 7.15'S	30° 6.51'E	35	2	0.4	23	44	3.12	6	27	4	10
1865	S-438	17° 6.91'S	30° 6.51'E	32	1	0.2	31	46	2.34	2	43	2	10
1866	S-439	17° 6.91'S	30° 6.80'E	6	< 1	0.3	< 2	6	1.13	2	33	2	< 10
1867	S-440	17° 7.20'S	30° 6.79'E	16	< 1	0.5	13	17	1.78	3	9	< 2	10
1868	S-441	17° 7.19'S	30° 7.08'E	3	< 1	< 0.1	3	3	0.95	< 1	14	< 2	10
1869	S-442	17° 7.18'S	30° 7.37'E	31	3	0.3	19	27	2.33	1	23	< 2	10
1870	S-443	17° 7.19'S	30° 7.65'E	8	< 1	0.1	13	9	1.17	1	38	2	10
1871	S-444	17° 7.19'S	30° 7.91'E	19	< 1	< 0.1	6	85	0.94	< 1	39	18	< 10
1872	S-445	17° 7.19'S	30° 8.20'E	21	< 1	0.1	6	6	0.95	1	33	2	< 10
1873	S-446	17° 6.91'S	30° 8.20'E	15	< 1	< 0.1	< 2	< 2	0.67	< 1	26	< 2	< 10
1874	S-447	17° 6.91'S	30° 7.93'E	12	< 1	< 0.1	2	< 2	0.74	< 1	25	< 2	< 10
1875	S-448	17° 6.92'S	30° 7.66'E	40	4	0.2	11	39	2.48	6	36	2	< 10
1876	S-449	17° 6.91'S	30° 7.36'E	9	< 1	< 0.1	18	202	1.52	4	37	47	< 10
1877	S-450	17° 6.94'S	30° 7.08'E	6	< 1	< 0.1	8	2	0.84	< 1	24	2	10
1878	Y-492	17° 5.56'S	30° 6.24'E	49	1	0.3	25	1201	3.96	16	37	4	10
1879	Y-493	17° 4.74'S	30° 4.27'E	51	< 1	0.2	23	207	6.39	18	45	59	10
1880	Y-499	17° 4.74'S	30° 2.56'E	59	3	0.1	22	754	4.46	27	125	2	< 10
1881	Y-504	17° 5.01'S	30° 2.55'E	41	3	0.4	8	< 2	3.35	10	66	2	< 10
1882	Y-506	17° 5.01'S	30° 3.12'E	36	1	0.4	19	2640	3.46	13	27	< 2	< 10
1883	Y-509	17° 5.01'S	30° 3.98'E	58	< 1	0.1	19	647	6.85	22	56	< 2	< 10
1884	Y-510	17° 5.01'S	30° 4.25'E	106	2	0.1	19	1577	5.40	26	115	3	< 10
1885	Y-511	17° 5.29'S	30° 4.55'E	45	2	0.1	8	121	4.42	16	100	2	< 10
1886	Y-514	17° 5.29'S	30° 3.70'E	71	5	< 0.1	21	91	3.75	8	66	5	< 10
1887	Y-516	17° 5.29'S	30° 3.14'E	83	1	< 0.1	26	198	7.02	26	52	2	10
1888	Y-517	17° 5.29'S	30° 2.86'E	86	< 1	< 0.1	32	174	6.35	15	64	2	< 10
1889	Y-518	17° 5.29'S	30° 2.57'E	74	< 1	< 0.1	16	143	5.49	16	72	5	< 10
1890	Y-519	17° 5.30'S	30° 2.29'E	55	2	< 0.1	25	67	3.86	20	58	2	< 10
1891	Y-520	17° 5.29'S	30° 2.01'E	67	3	< 0.1	25	818	4.14	16	58	5	< 10
1892	Y-521	17° 5.56'S	30° 2.00'E	66	3	< 0.1	21	72	2.97	10	73	6	20