

基盤岩類分布域のビンジ農場付近である。そのほかに苦鉄質岩類分布域において幾つか散点している。

#### (4) シャムロック地区

Cuの濃度分布図及び代表的な主成分分析得点の分布図を図Ⅱ-3-11～図Ⅱ-3-13に示す。

本地区は、他の3地区と異なり、起伏に富んだ山岳地である。本地区内にはシャムロック鉱山があり、Cu及びAgを稼行対象としていた。鉱床はロマグンディ層群中に胚胎している。

単成分で見た場合、Cuは他地区と比較して全般に高濃度を示し、73ppm以上の高濃度異常が散点しているが、シャムロック鉱山周辺の測点では顕著な異常は認められない。他の成分についても同様の傾向である。本地区で行われた過去のE. P. O. 調査において、東西方向に伸長した地化学異常地の幅は数10mであり、今回の試料採取間隔では捕捉できていない。

### 3-2 ガス地化学探査

#### 3-2-1 ガス地化学探査実施地区の選定

土壌CO<sub>2</sub>ガスの測線及び測点位置図は付録A-11に示す。

土壌CO<sub>2</sub>ガス地化学探査地区は、既知鉱床付近の3地区を選定して行った。選定場所は、

- 1) アヴォンデル鉱床の露頭部……………アヴォンデル地区
- 2) シャックルトン貫入岩(粗粒玄武岩)直上……………シャックルトン地区
- 3) ノーラ鉱床の南方……………ノーラ地区

の3カ所である。測点の間隔は、調査対象とする鉱体の規模から、測線上の測点間隔20m、測線間隔40mを採用した。

#### 3-2-2 測定方法

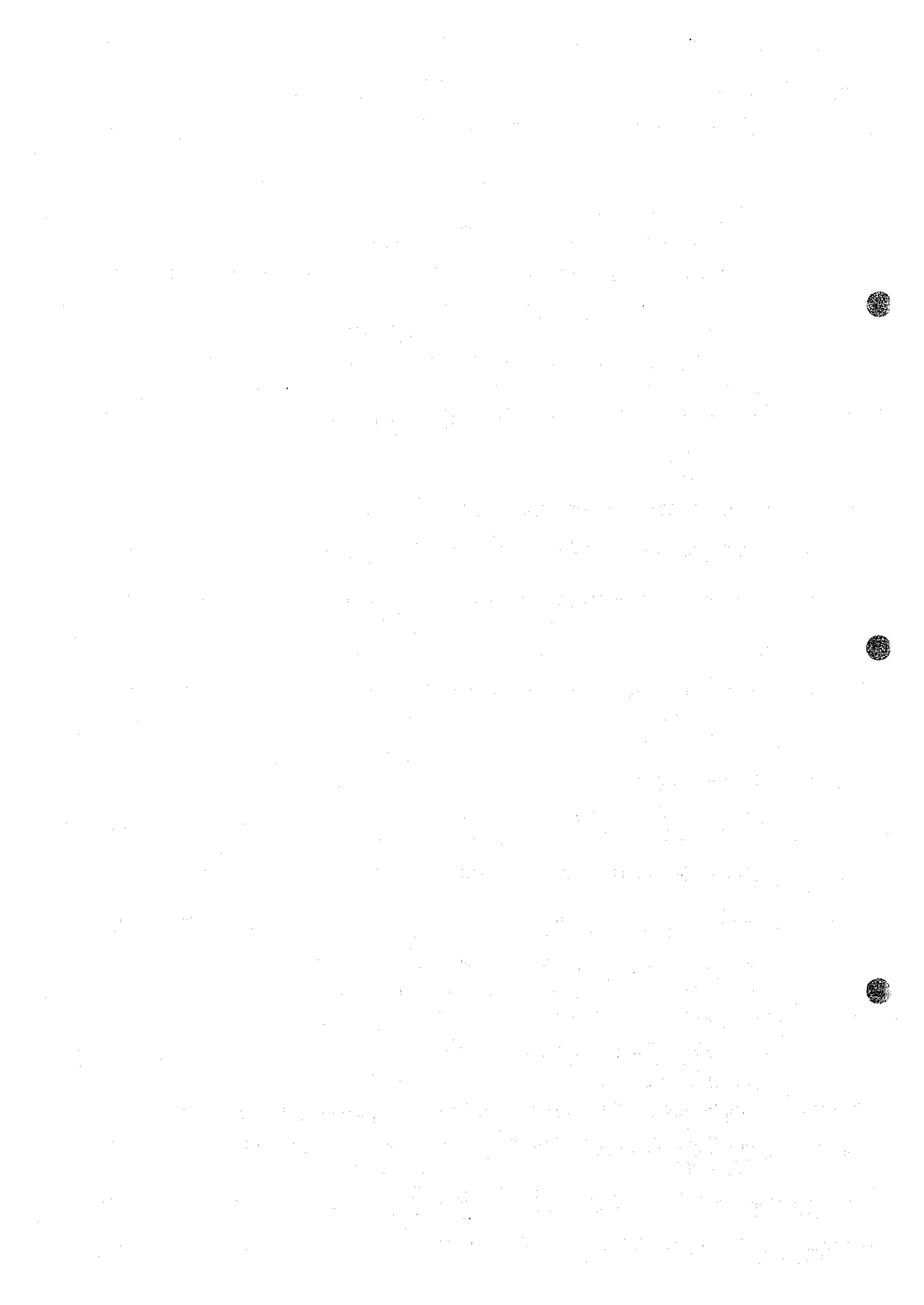
測定は、直径2インチの鉄パイプを約50cm打ち込み、抜き取った後の孔を使用した。開孔時には、パイプの底に取り込まれた土壌の記載及び捕獲岩片の記載を行い、付近の地質の把握につとめた。測定は、開孔後数日放置し、2回にわたって行った。濃度は2回行った測定値の平均値を用いた。

測定は、検知管を用いた方法によった。本方法は、CO<sub>2</sub>に反応して変色する試薬を封入した細ガラス管内に、一定量の空気を吸入し、変色した試薬の量を検量図から直読する方法である。一回の測定で吸入した空気量は100mlであり、吸入に要した時間は約4分である。

#### 3-2-3 ガス地化学探査異常の評価

測定結果は付録A-12に示す。

硫化物鉱床が露出している場所の土壌中のCO<sub>2</sub>ガスが非鉱床帯に比較して高濃度となることが知られている(Rose et al., 1979, Lovell et al., 1983, Kravtsov and Reidman, 1965)。土



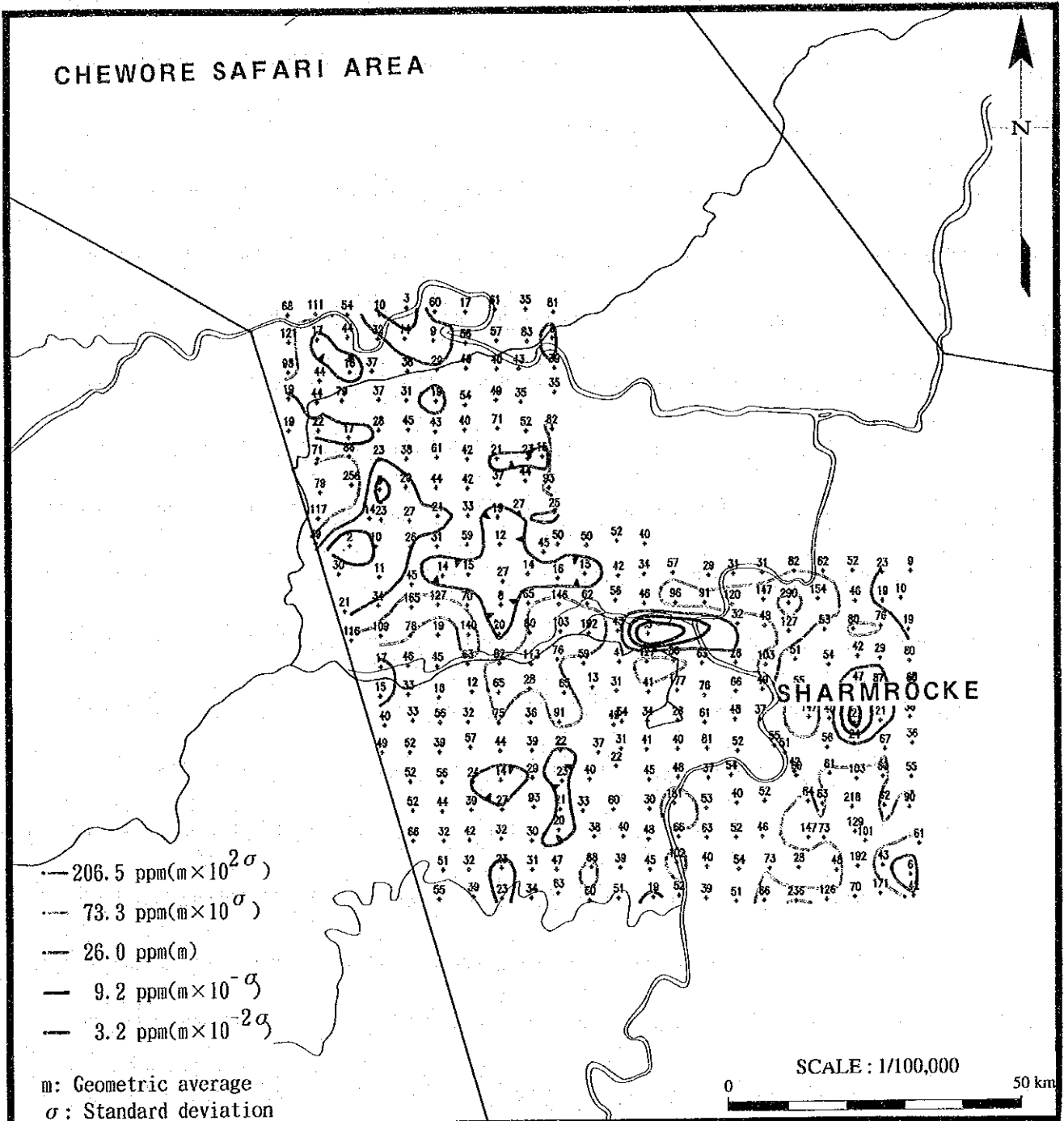
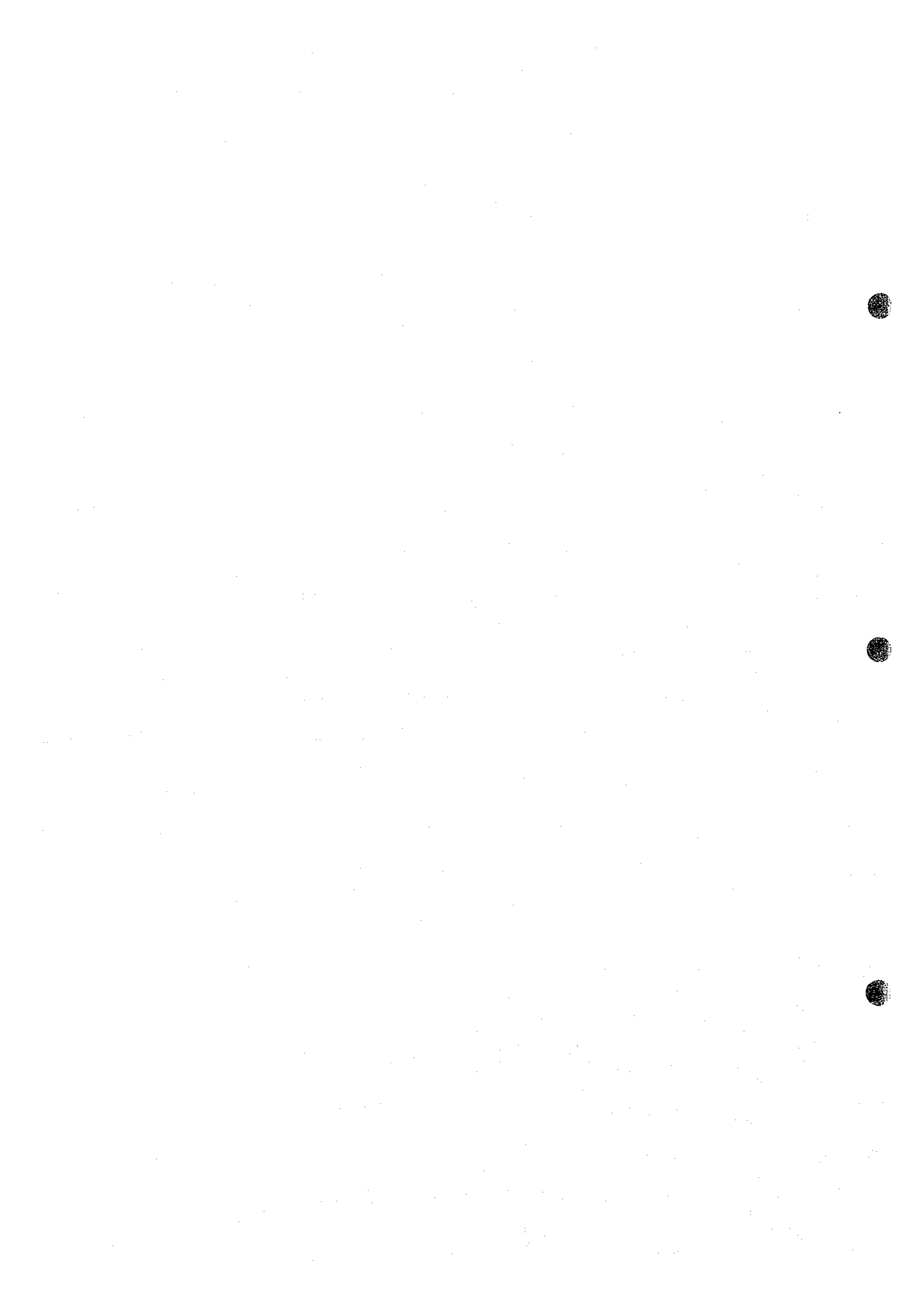
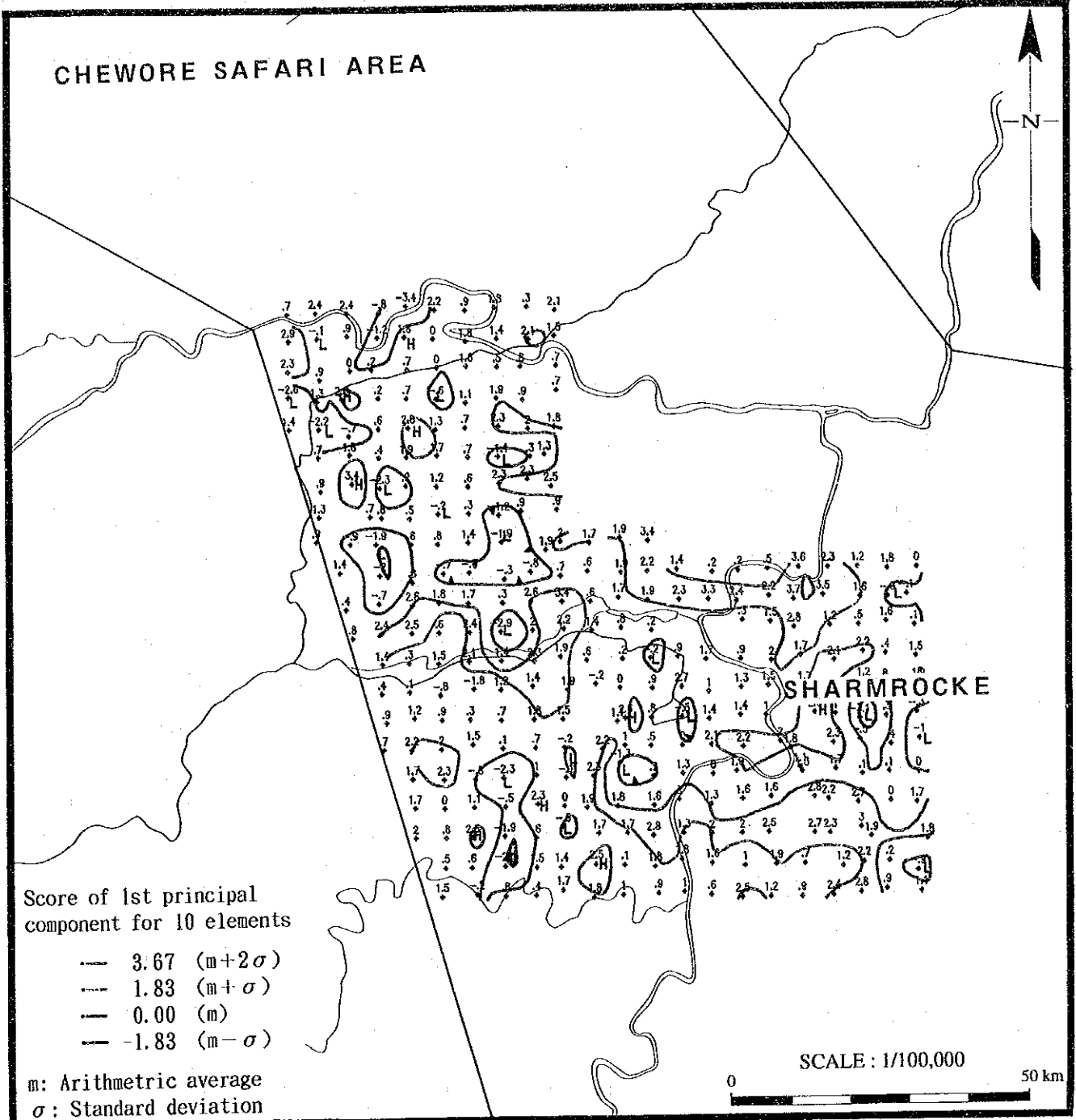
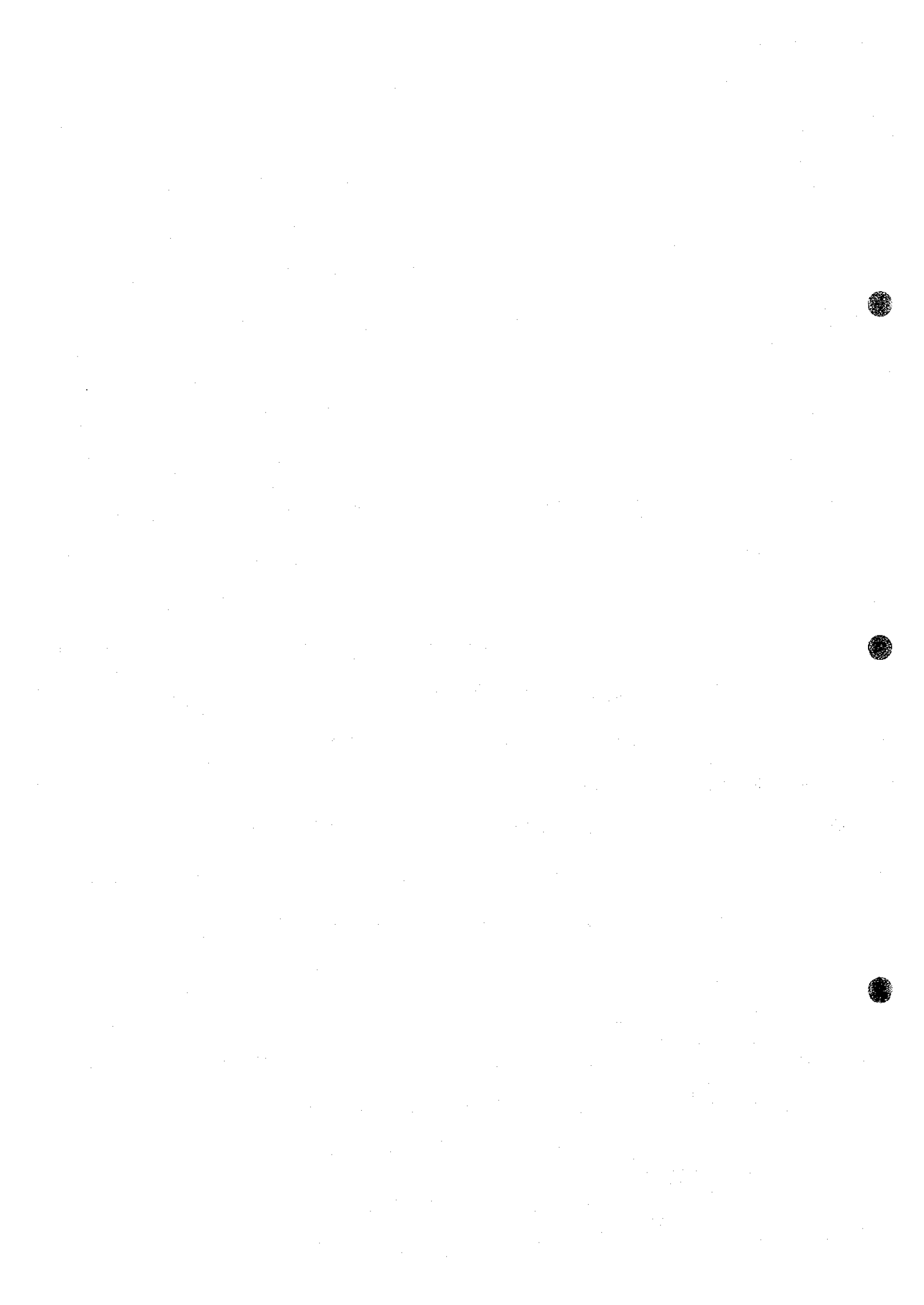


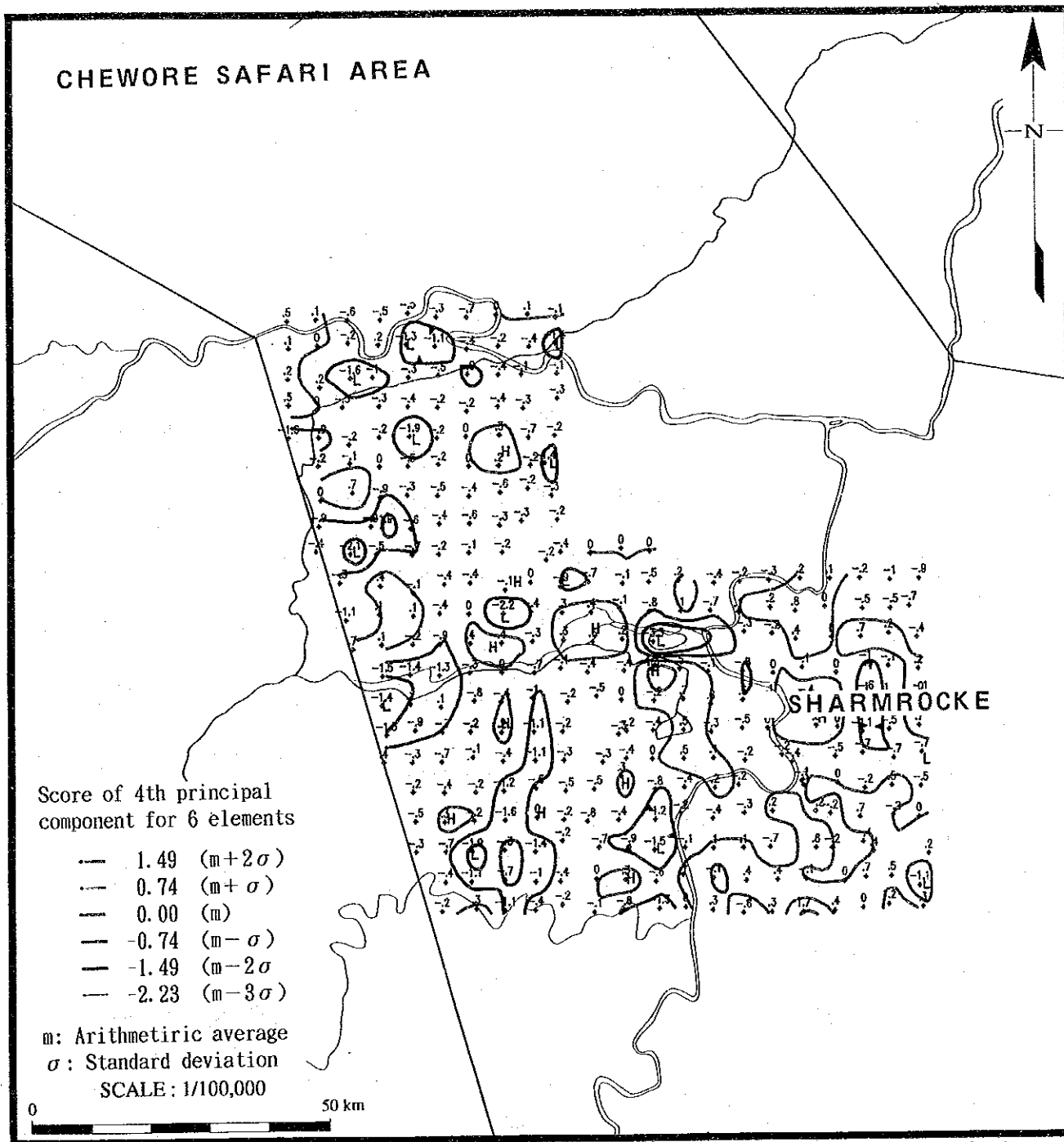
図 II - 3 - 11 Cuの濃度分布図 (シャムロック地区)



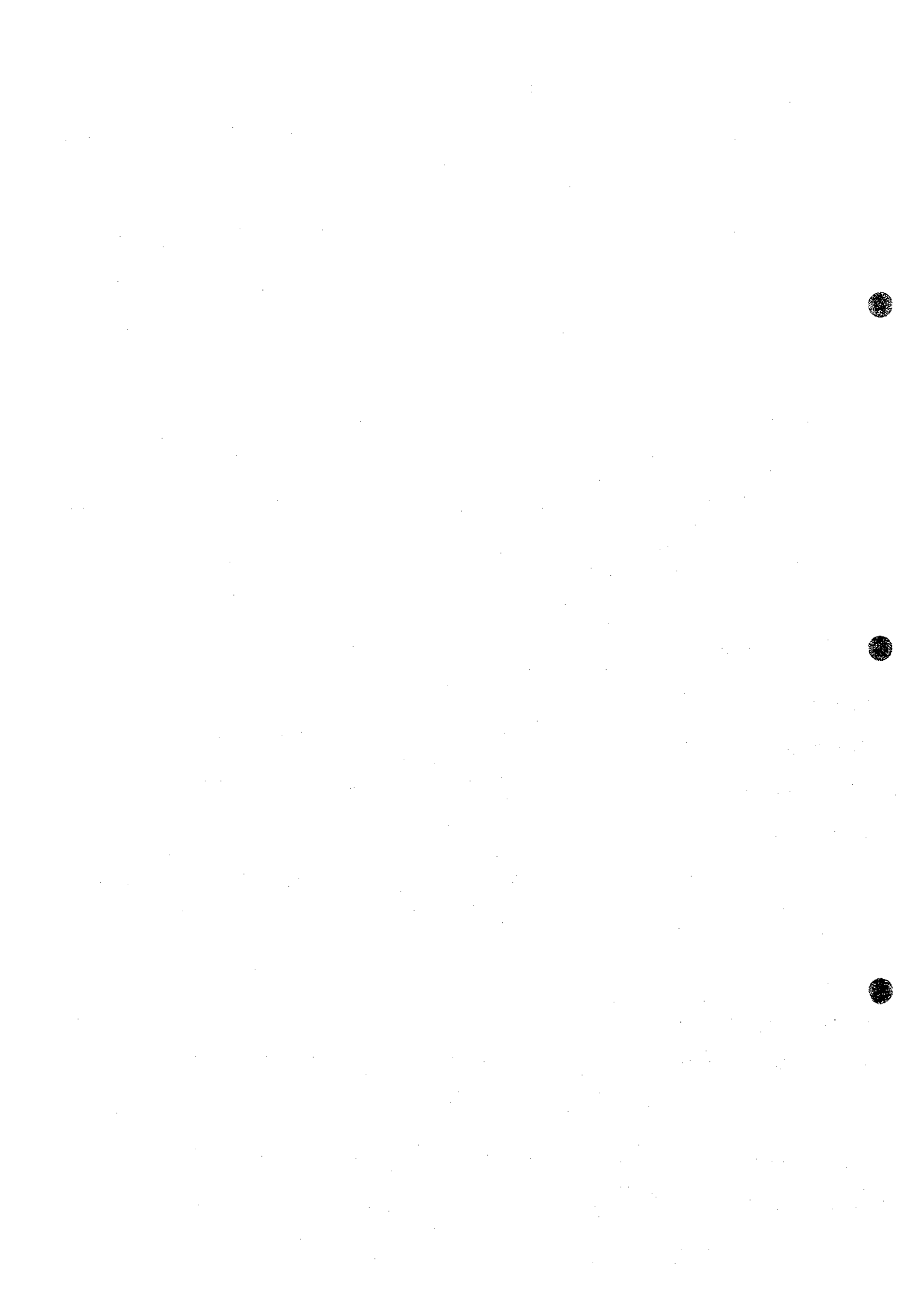


図II-3-12 10成分を用いた場合の第1主成分得点の分布図(シャムロック地区)





図Ⅱ-3-13 6成分を用いた場合の第4主成分得点の分布図(シャムロック地区)





表Ⅱ-3-6 ガス測定結果の基本統計値一覧表

Area	number of sites	maximum (%)	minimum (%)	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

壤中のCO<sub>2</sub>ガスは、植物の繁茂、土壌中の有機物の腐敗、昆虫の生物活動等により発生するほか、炭酸塩鉱物や硫化物の酸化還元反応によって発生すると考えられる。後者の特徴を利用して硫化物鉱床直上の土壌中のCO<sub>2</sub>濃度異常を応用した地化学探査は、ナミビアやアメリカ合衆国アリゾナ州の砂漠地域の鉱床についてこれまでいくつか行われている (Danilova, 1968, Dyck, 1974)。

本調査では、産状の異なる3地区について調査を行った。各地区の土壌ガス中のCO<sub>2</sub>測定結果の基本統計値の一覧表を表Ⅱ-3-6に、頻度分布及び累積頻度分布図を図Ⅱ-3-14にそれぞれ示す。

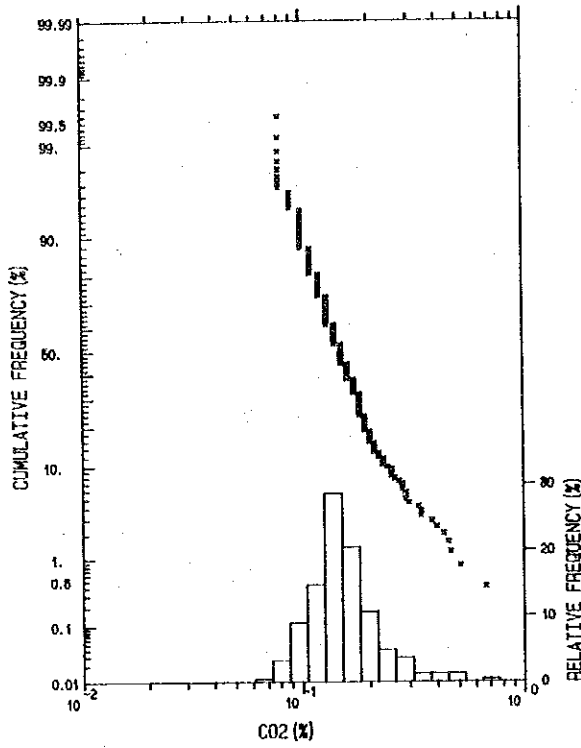
以下では、各地区の調査結果について述べる。

### 1. アヴォンデール地区

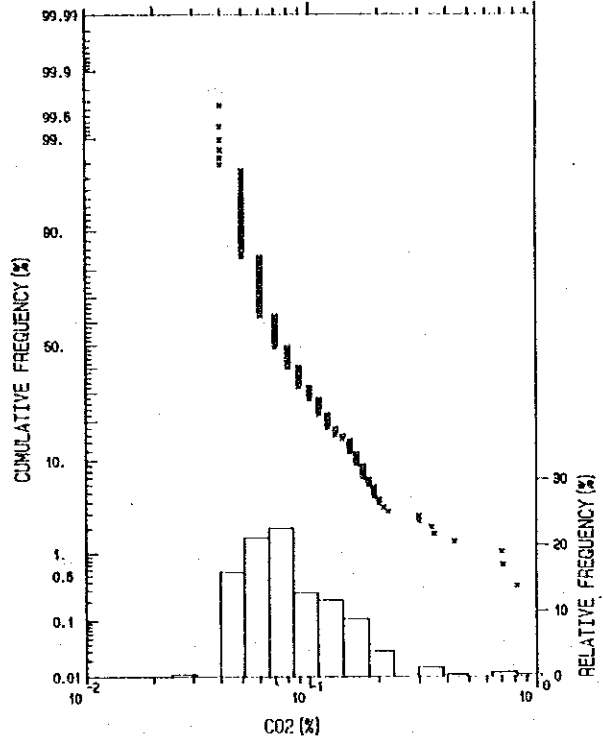
アヴォンデール地区の土壌ガス中のCO<sub>2</sub>濃度分布図を図Ⅱ-3-15に示す。

アヴォンデール地区は、アヴォンデール立て坑付近を西縁とし、測線方向は過去の調査結果からアヴォンデール鉱床の露頭部と考えられている場所で、鉱床の走向方向に直交するN20E方向に設定した。測線は10本、測点数245点である。対象地区は、人為的な土地の改変はほとんど行われていない落葉樹と草の生えた場所で、多数の蟻塚がある。蟻塚は、高さ約30cmのものが数m間隔で点在するほか、高さ1m前後のものも対象地区内で数箇所確認できる。

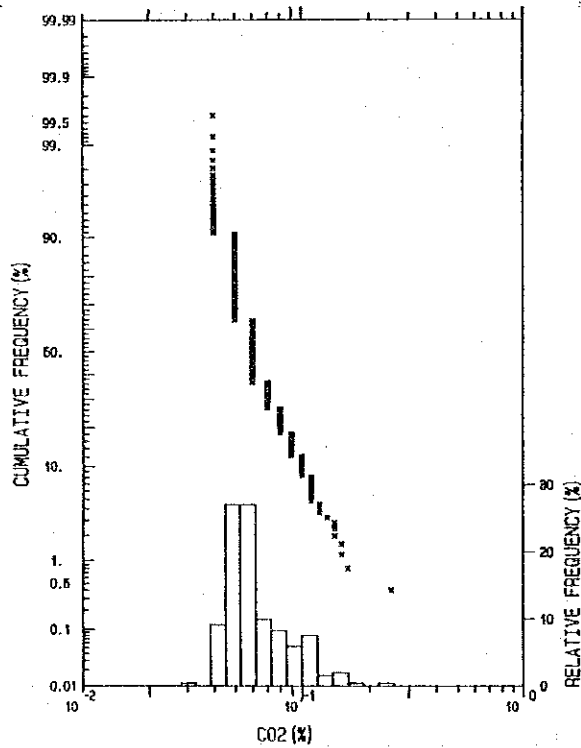
アヴォンデール地区の土壌ガス中のCO<sub>2</sub>濃度は、幾何平均値が0.153%であり、大気中の平均濃度(0.035%)と比較して全般に高濃度である。最高0.67%の高濃度ハローが数箇所認められるが、既存土壌地化学データのCu高濃度帯とは一致せず、鉱化作用に伴う高濃度異常とは、判断し難い。むしろ、蟻の地中活動によるCO<sub>2</sub>濃度の増加に起因すると考える方が妥当である。



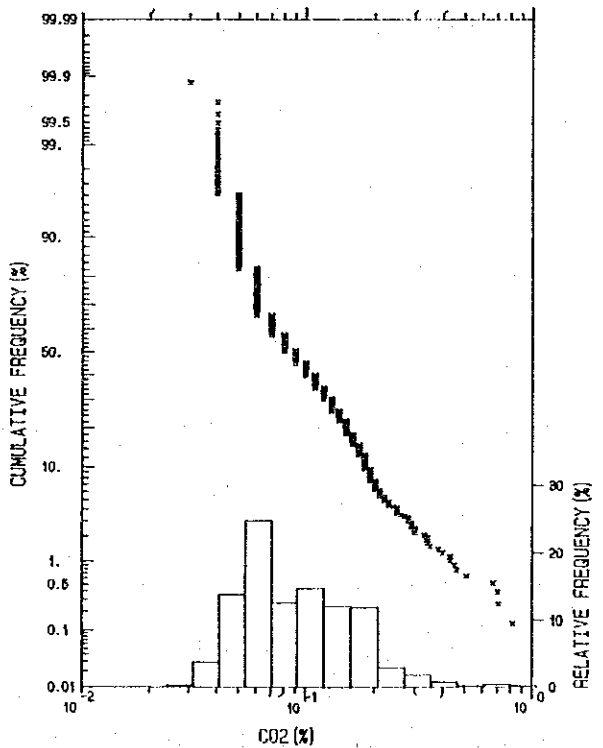
(a) Avondale area



(b) Norah area

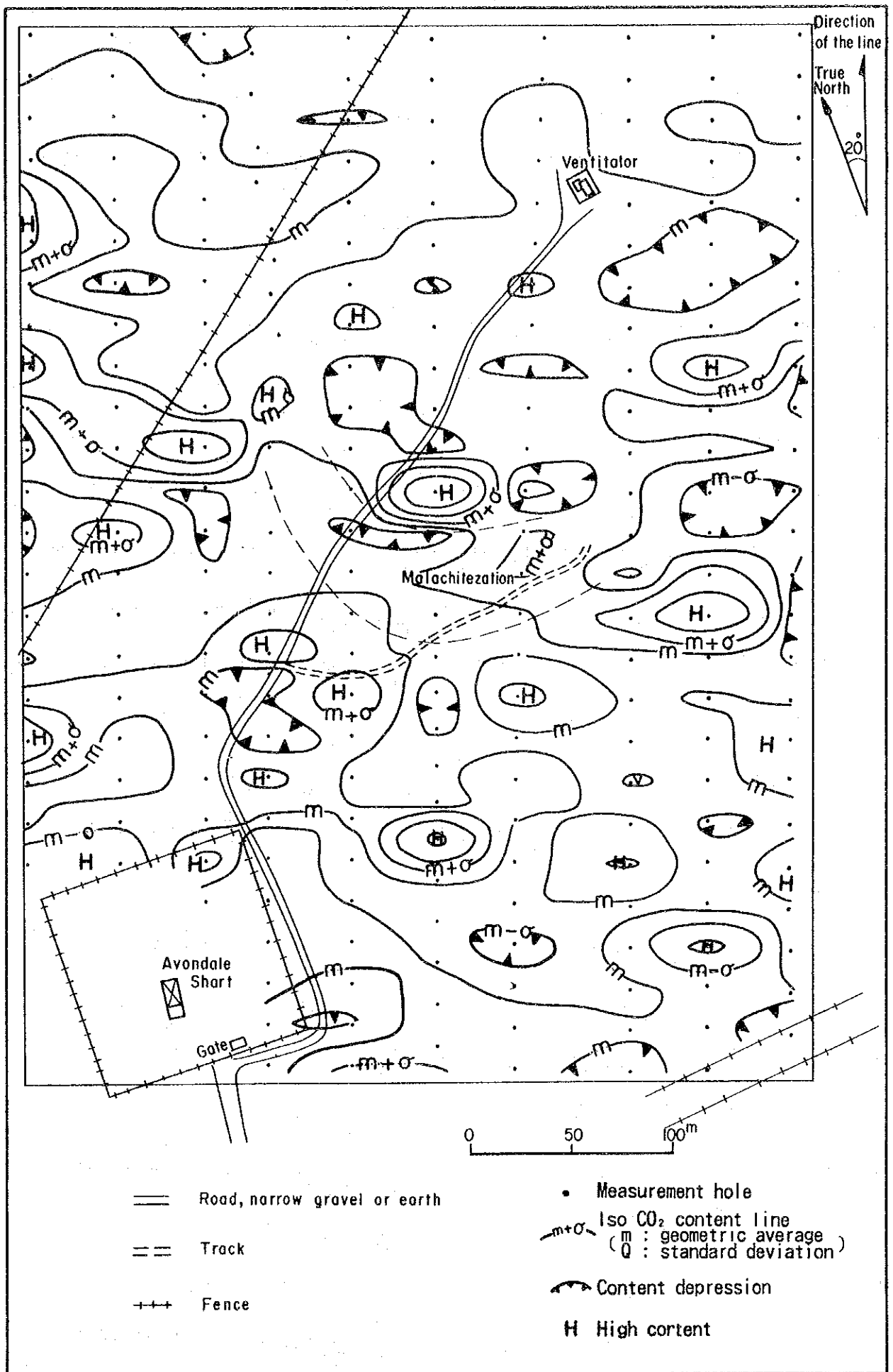


(c) Shackleton area



(d) all

図 II - 3 - 14 土壤CO<sub>2</sub>ガス濃度の頻度分布及び累積頻度分布図



図II-3-15 アヴォンデル地区の土壤CO<sub>2</sub>ガス濃度の分布図

## 2. シャックルトン地区

シャックルトン地区の土壤ガス中のCO<sub>2</sub>濃度分布図を図Ⅱ-3-16に示す。

シャックルトン地区は、シャックルトン鉱山の西北西約1kmを起点とした範囲である。測線は、鉍化作用に関連したシャックルトン貫入岩にほぼ直交するN8E方向に配置した。測線数は7本、測点数は252点である。対象地区は、トウモロコシ畑が広がる平坦地で、測定時には収穫を終え裸地となっていた。

アヴォンデル地区の土壤ガス中のCO<sub>2</sub>濃度は、幾何平均値が0.063%であり、全般に低濃度である。シャックルトン貫入岩（粗粒玄武岩質貫入岩）上で散点的に高濃度ハローは認められるが、そのほかの高濃度ハローと比較した場合、有意な差異とは言い難い。

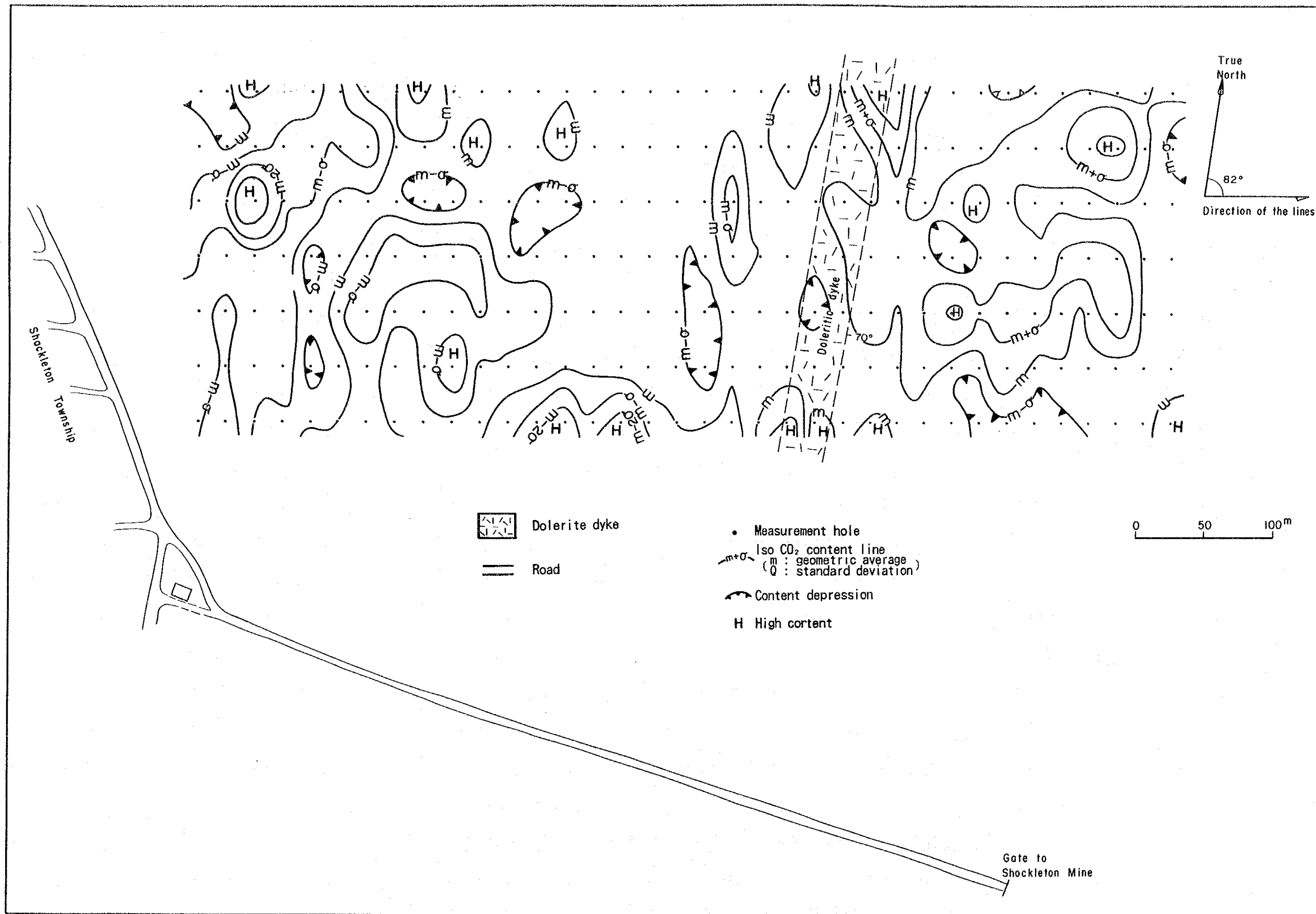
## 3. ノーラ地区

ノーラ地区の土壤ガス中のCO<sub>2</sub>濃度分布図を図Ⅱ-3-17に示す。

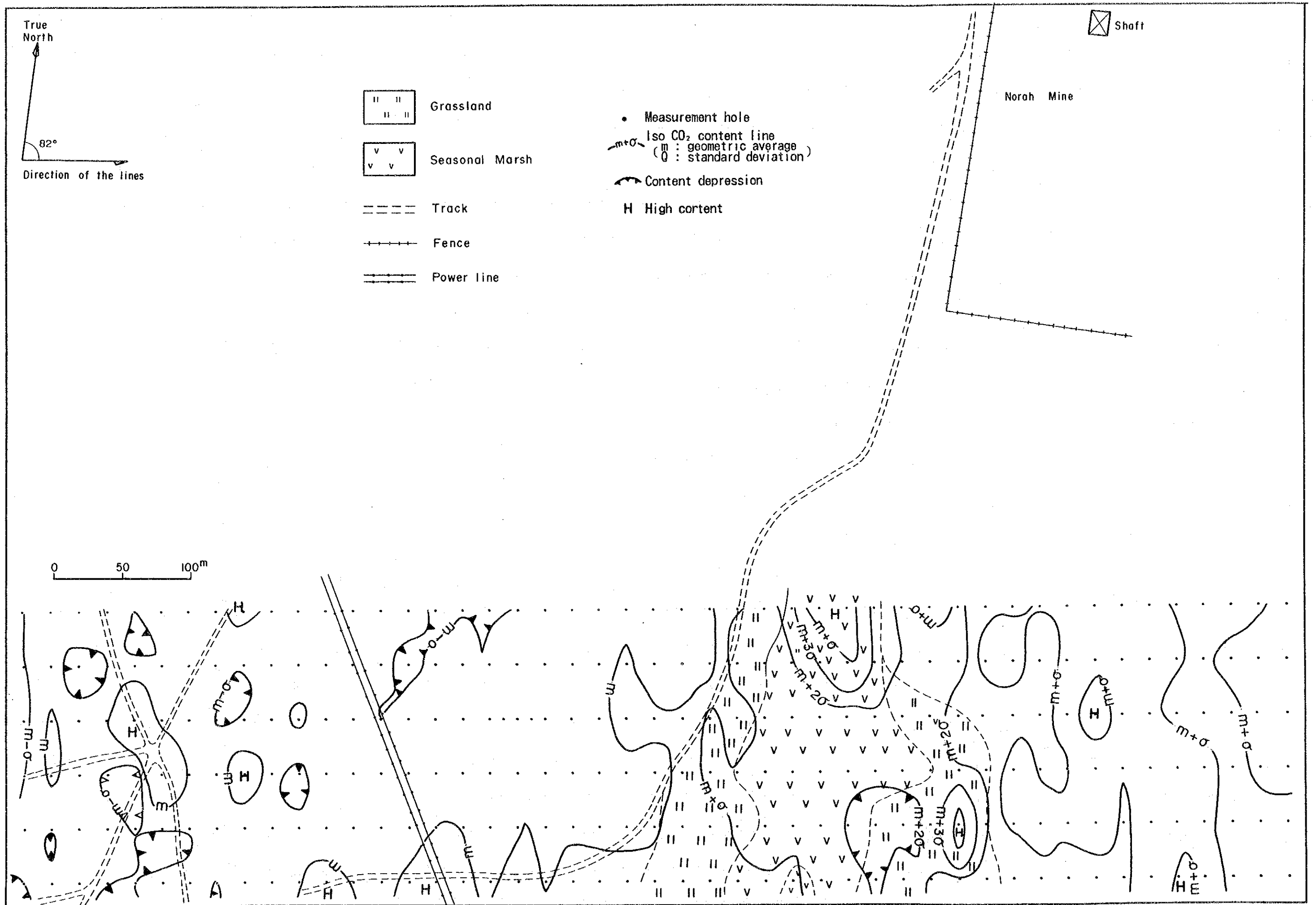
ノーラ地区はノーラ鉱山南方約0.5kmを起点とした範囲である。測線方向はN8E方向で、測線は6本、測点数は282点である。対象地区は、平坦地にトウモロコシ畑が広がり、一部に幅100m前後の葦の密集地がある。

アヴォンデル地区の土壤ガス中のCO<sub>2</sub>濃度は、幾何平均値が0.083%であり、全般に低濃度である。前述の葦地では、最大0.82%の高濃度帯が広がっているが、鉍化作用に伴う異常と言うよりも葦地に堆積した有機物質の腐敗によるものと考えられる。





図II-3-16 シャクレトン地区の土壌CO<sub>2</sub>ガス濃度分布図



図II-3-17 ノーラ地区の土壤CO<sub>2</sub>ガス濃度分布図

## 第Ⅲ部

### 結論及び提言







## 第III部 結論及び提言

### 第1章 結論

本年次の調査は既存データ解析（解析対象7,500km<sup>2</sup>）、地質調査（2,250km<sup>2</sup>）、及び地化学探査（919km<sup>2</sup>）である。

既存データ解析：本調査地域に関する資料は地質調査局公刊資料（地質図、磁気図）、ジンバブエ大学関係論文、E.P.O.探査報告などである。これらの資料に基づきコンパイル地質図を作成した。

本地域の地質は基盤の始生代の片麻岩類、花崗岩類、緑色岩類、及び珪質岩類、原生代の堆積岩類、及び火山岩類、貫入岩類、三畳紀の堆積岩類、第四紀の堆積物より構成される。

本地域の既存主要鉱床は銅鉱床であり、このほか砕石用苦灰岩、建材用粘板岩等が生産されている。

調査地域内では9カ所の銅鉱山が開発され、現在4鉱山（アングワ、アヴォンデール、マンガラ、及びノーラ）が稼行中である。

鉱床探査についてはこれまで30件のE.P.O.による調査が行われており、Cu単成分を利用した土地化学探査が重点的に行われている。これらの結果54カ所の異常地が抽出されており、特に、アラスカ製錬所南部～ハンス鉱山南部～ケニルワースにかけては広範な異常地が認められる。これらの地化学探査の解析手法はCu単成分解析のみが主体であり、部分的に複数の成分について分析されていても、広域的な多成分解析はなされていない。

地質調査：地質概査ではコンパイル地質図を基に現地調査を行い、地質図を作成した。

調査地域内の原生代の堆積岩類は地溝帯拡大に伴う一連の堆積物であり、下位より礫岩～アルコース、及び玄武岩溶岩からデウェラス層群、苦灰岩、泥質岩、及び粘板岩からなるロマグンディ層群、千枚岩、グレーワッケ、石墨質粘板岩、及び珪岩からピリウィリ層群より構成される。

本地域の既知鉱床は、地域中央部を南北に連続して分布するデウェラス層群及ロマグンディ層群に胚胎する層準規制型銅鉱床及び鉱脈型鉱床である。

鉱山・鉱徴地調査は、ハンス、アングワ、オールド・アラスカ、シャックルトン、アヴォンデール、ノーラ、ミリアム、シャムロック鉱床（以上層準規制型銅鉱床）、ユナイテッド・キングダム鉱床（鉱脈型鉱床）、及び地質概査時に捕捉した鉱徴地に対して行った。

本地域の主要鉱床は層準規制型鉱染状銅鉱床であり、次の特性を持っている。

- 1) 主としてデウェラス層群の砂質岩層に胚胎するが、オールド・アラスカ鉱床、シャムロック鉱床のようにロマグンディ層群中にも認められる。
- 2) 鉱床母岩は礫岩、級化構造・及び斜層理を伴うアルコース、各種蒸発岩類を挟在する泥質岩を1サイクルとする堆積サイクルのうち泥質岩直下のアルコース～礫岩である。
- 3) 主要鉱石鉱物は、斑銅鉱、輝銅鉱、黄銅鉱であり、銅藍、磁鉄鉱、赤鉄鉱を随伴する。
- 4) 鉱石は母岩の粒間を埋める鉱染状鉱石であり、小脈状鉱石を伴う部分で高品位鉱を形成する。

- 5) 鉱床は地表付近で孔雀石、銅藍を主要鉱石鉱物とする酸化帯を形成する。
- 6) 鉱石品位については、Auは小脈部分で1g/t以上となる他は0.01~0.5g/tである。Agは小脈部分で60g/t以上となる他は1~30g/tである。Cuは0.01~3.5%の範囲である。
- 7) 鉱床は早期のNE-SW系背斜軸、小ドーム状構造の頂部、及びN-S系断層帯両翼に発達する。鉱床生成過程は以下のとおりであると思われる。
  - 1) 地溝帯拡大に伴い、礫岩~アルコースなどの多孔質岩石、一部蒸発岩類を含む細粒泥質岩類を繰り返し堆積し、デウェラス層を形成した。
  - 2) 構造運動により褶曲構造、断層帯、破碎帯を形成した。
  - 3) 鉱液は断層帯、破碎帯を上昇し、背斜軸に沿って細粒泥質岩類を帽岩として、多孔質岩類中を選択的に通過した。
  - 4) この過程において、銅硫化物等を晶出し、鉱染状、細脈状鉱石を生成した。
  - 5) 鉱床は生成後の褶曲、断層の影響を受け、現在の鉱床形態を形成した。

岩石及び鉱石の物性測定は、物理探査基礎資料を得る目的で、地質概査、鉱微地調査で採取した代表的試料に対して0.3Hz、3Hzの周波数で比抵抗、分極率測定、及びスペクトルIP（SIP）測定を行った。

測定の結果は次のとおりである。

- 1) 硫化物の鉱化が比抵抗変化に影響を与えている可能性は低い。
- 2) デウェラス層群のアルコースは、硫化物の鉱化の程度により5~18%の高IPを示す。
- 3) 鉱化を伴う粗粒玄武岩、角閃岩も鉱化の程度によって4~10%の高IPを示す。
- 4) 鉱化を受けない岩石、及び酸化帯中の鉱石は1~3%の低IPを示す。
- 5) 高IPを示す石墨質の粘板岩はデウェラス層群中には分布せず、IP調査の障害要因とはならない。
- 6) スペクトルIPの特性では、鉱石と岩石で位相差の挙動に差異が認められる。

したがって、今後の物理探査の実施に当たっては、岩石及び鉱石の分極率の差異を用いた方法（IP法）が有効である。

地化学探査：土壌地化学探査は、本地域の主要鉱床がデウェラス層群に胚胎されることを踏まえてデウェラス層群分布域を中心として、アラスカ地区、ウンボエ地区、マンガラ北部地区及びシャムロック地区の4地区を選定した。探査面積919km<sup>2</sup>、採取試料3,676個である。採取した試料はCu、Au、Ag、Pb、Zn、Fe、Co、Ni、As及びHgの10成分について分析を行い、単一変量解析、及び多変量解析を行った。

単一変量解析結果と地質状況と対比した結果、Cu異常地の分布は苦鉄質岩類の分布に対応するもの、及びこれとは対応せず恐らく本来の銅鉱化作用に起因するものに大別される。

Au、Ag、As及びHgは特徴的な分布形態を示さず、これは検出限界値以下の試料が多いためと思わ

れる。

Feは土壤母材の岩相の影響が大きく、ロマグンディ層群の粘板岩、デウエラス層群のアルコース、ロマグンディ層群の苦灰岩、及び苦鉄質岩類の順に高濃度となる。

Pb, Zn, Co及びNiについては苦鉄質岩類の分布に調和的に高濃度となる。

多変量解析は10成分を用いた場合と、Au, Ag, As及びHgを除いた6成分を用いた場合について行った。

10成分を用いた場合の第1主成分の因子負荷量は全成分に対し正相関し、全般的な金属の濃集程度を示している。本成分はロマグンディ層群及び苦鉄質火山岩、貫入岩類で高得点、デウエラス層群アルコース及び基盤岩類で低得点を示し、地質状況を反映した。第2主成分から第5主成分は検出限界値以下の試料が多いAu, Ag, As及びHgを説明している。第6主成分はAu及びPbの特徴を説明している。

6成分を用いた第1主成分は10成分を用いた場合の第1主成分と同じ傾向を示す。第2, 第3主成分はNi及びPbの特徴を説明している。第4主成分の因子負荷量はCu, Pb及びNiに対し正相関し、特にCuに対して0.53と強く正相関する。一方、Zn, Fe及びCoは負相関し、苦鉄質岩類の影響を排除することができた。

以上から鉱化作用に伴う土壤地化学探査異常地抽出に当たって判定基準を次のとおりとした。

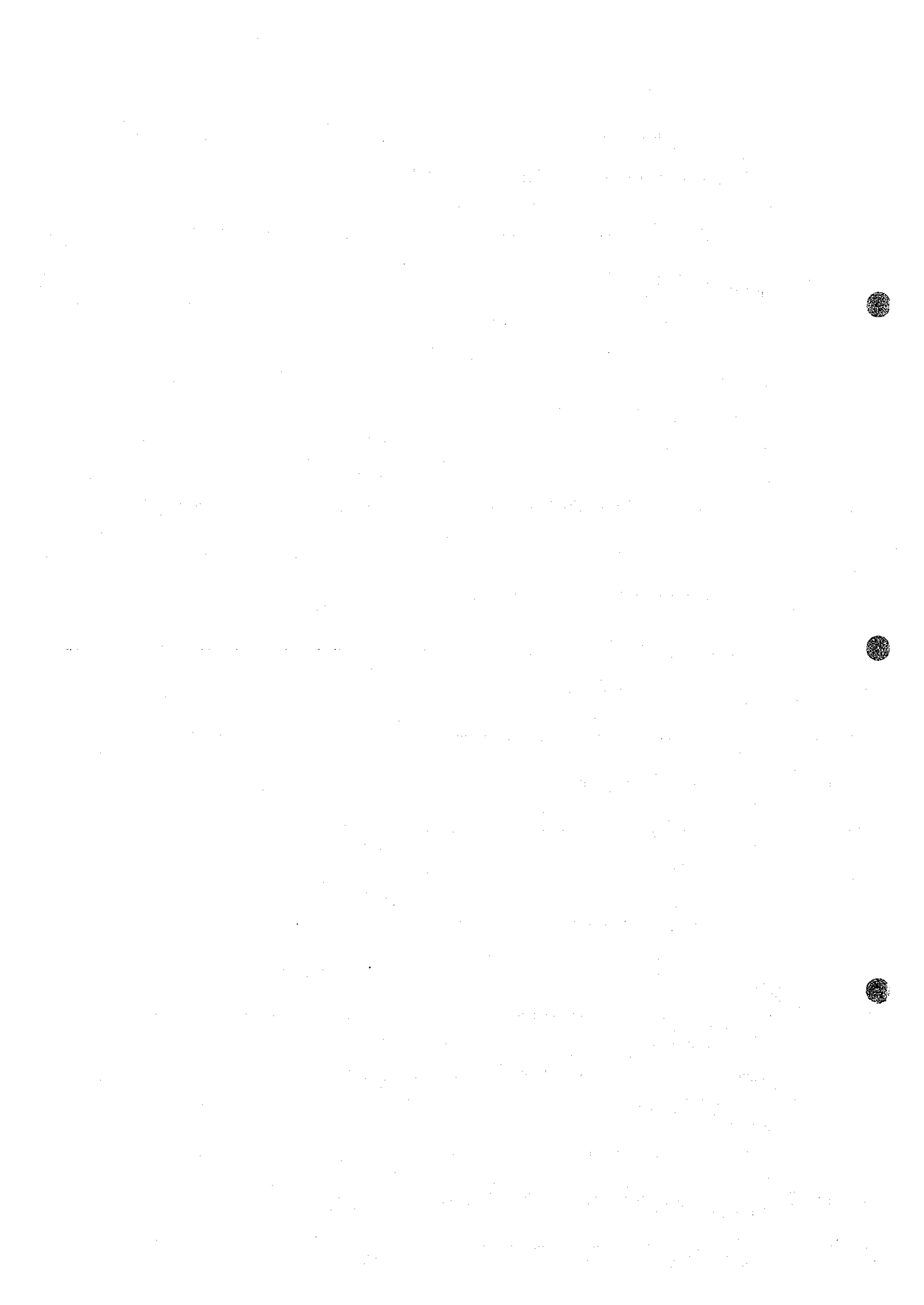
- 1) Cu単成分の高異常地
  - 2) 6成分を用いた主成分分析のうちの第4主成分高得点地
- 土壤地化学探査の結果Cu異常地として以下の地区を抽出した。

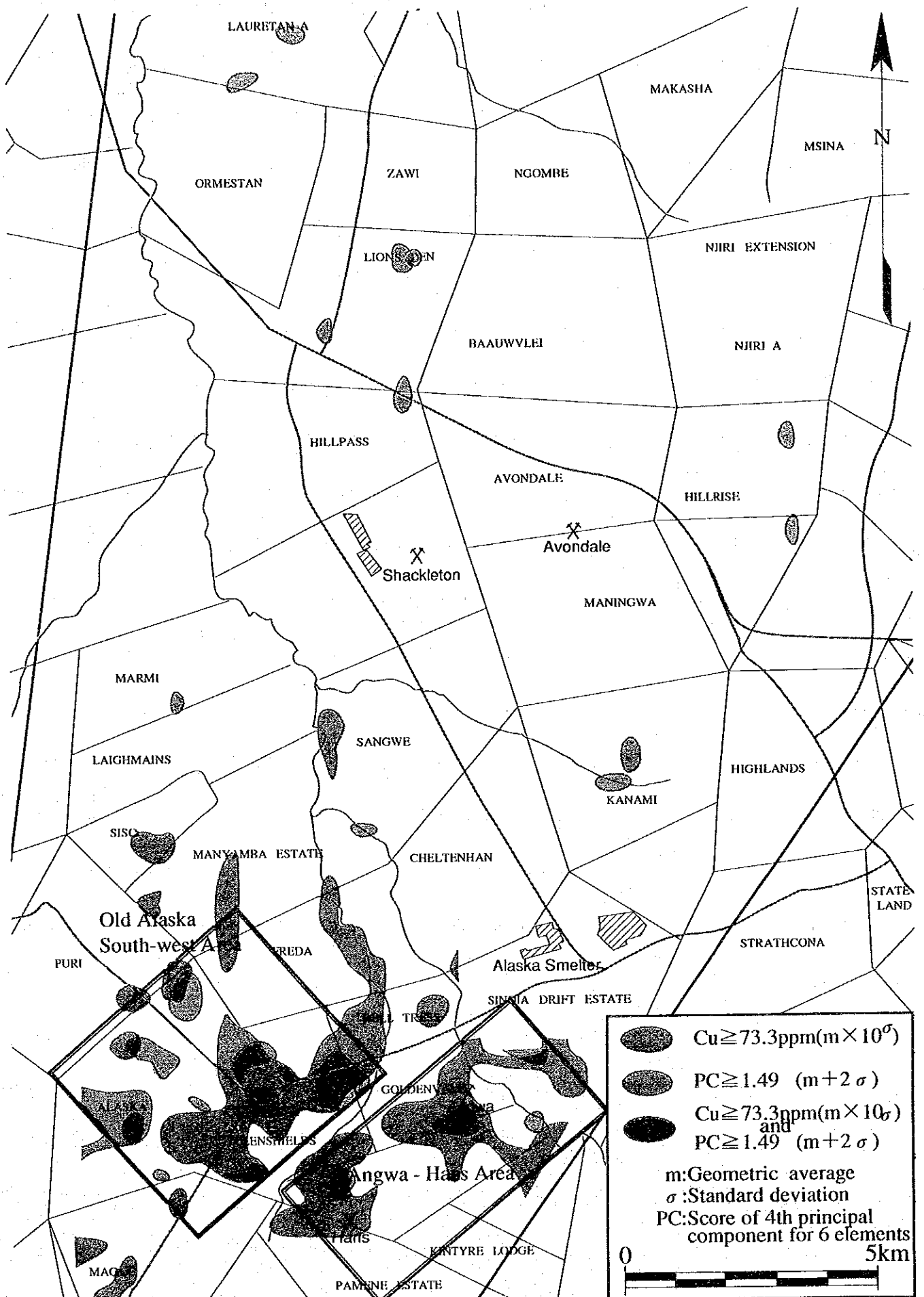
- 1) アングワ～ハンス地区
- 2) オールド・アラスカ南西地区
- 3) イニャチ地区
- 4) ピリンガニ地区
- 5) グリーンフィールズ地区
- 6) ワイルデン地区
- 7) チピリ地区
- 8) ビンジ地区

土壤地化学探査の総合解析図を図Ⅲ-1-1から図Ⅲ-1-3に示す。

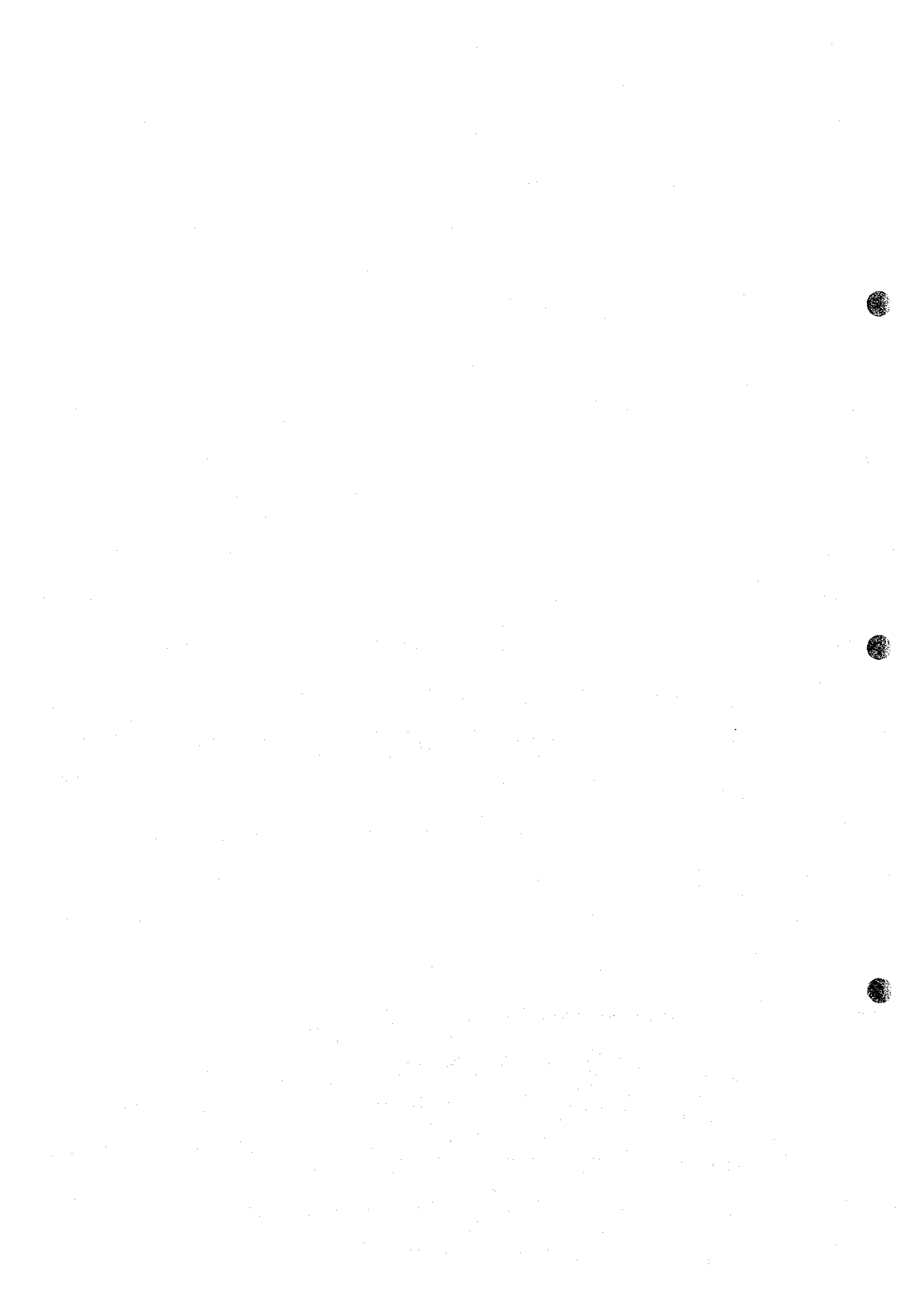
これらの異常地のうち1), 2), 4), 5), 6)及び7)はデウエラス層群分布域にあり、層準規制型銅鉱床による異常地の可能性が強い。3)にはユナイテッド・キングダム鉱山があり、層準規制型銅鉱床、鉱脈型鉱床両方の可能性が考えられる。8)は基盤岩類分布域であるが顕著な異常が認められ、層準規制型銅鉱床とは異なる鉱化作用による可能性が考えられる。

これらの異常地については付近の地質及び鉱化の検証が必要である。

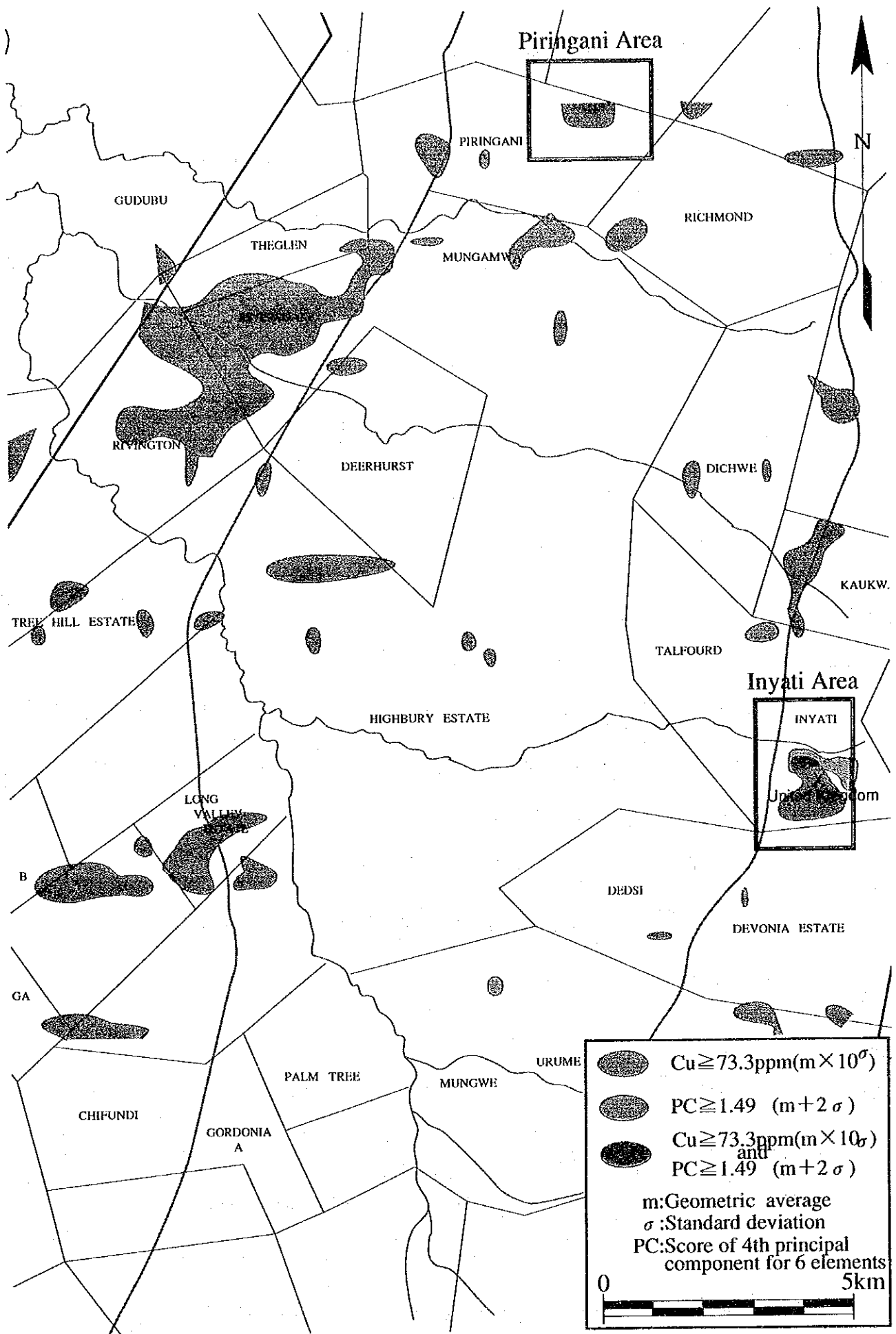




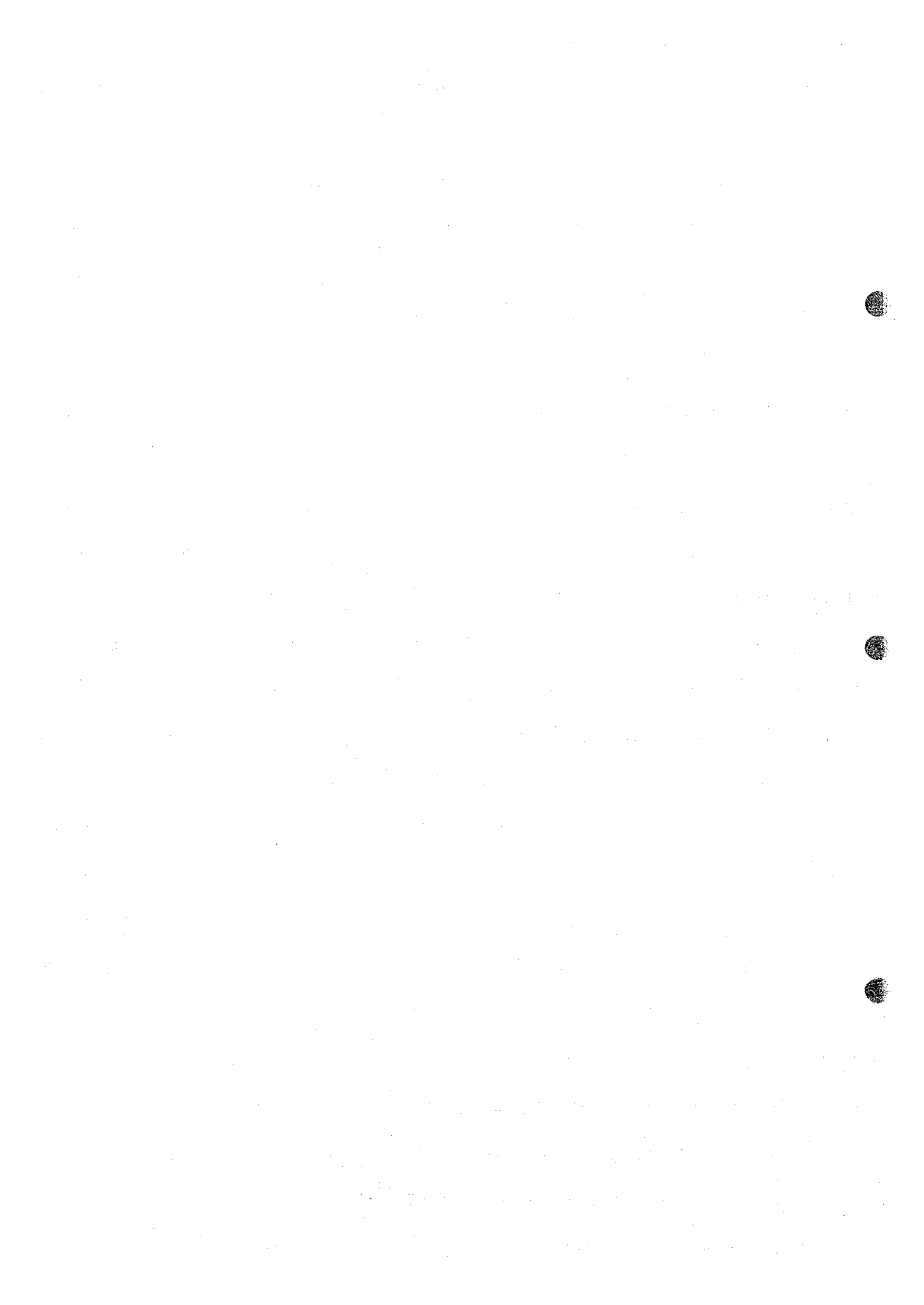
図Ⅲ-1-1 アラスカ地区の総合解析結果図







図Ⅲ-1-2 ウンボエ地区の総合解析結果図  
 -147-





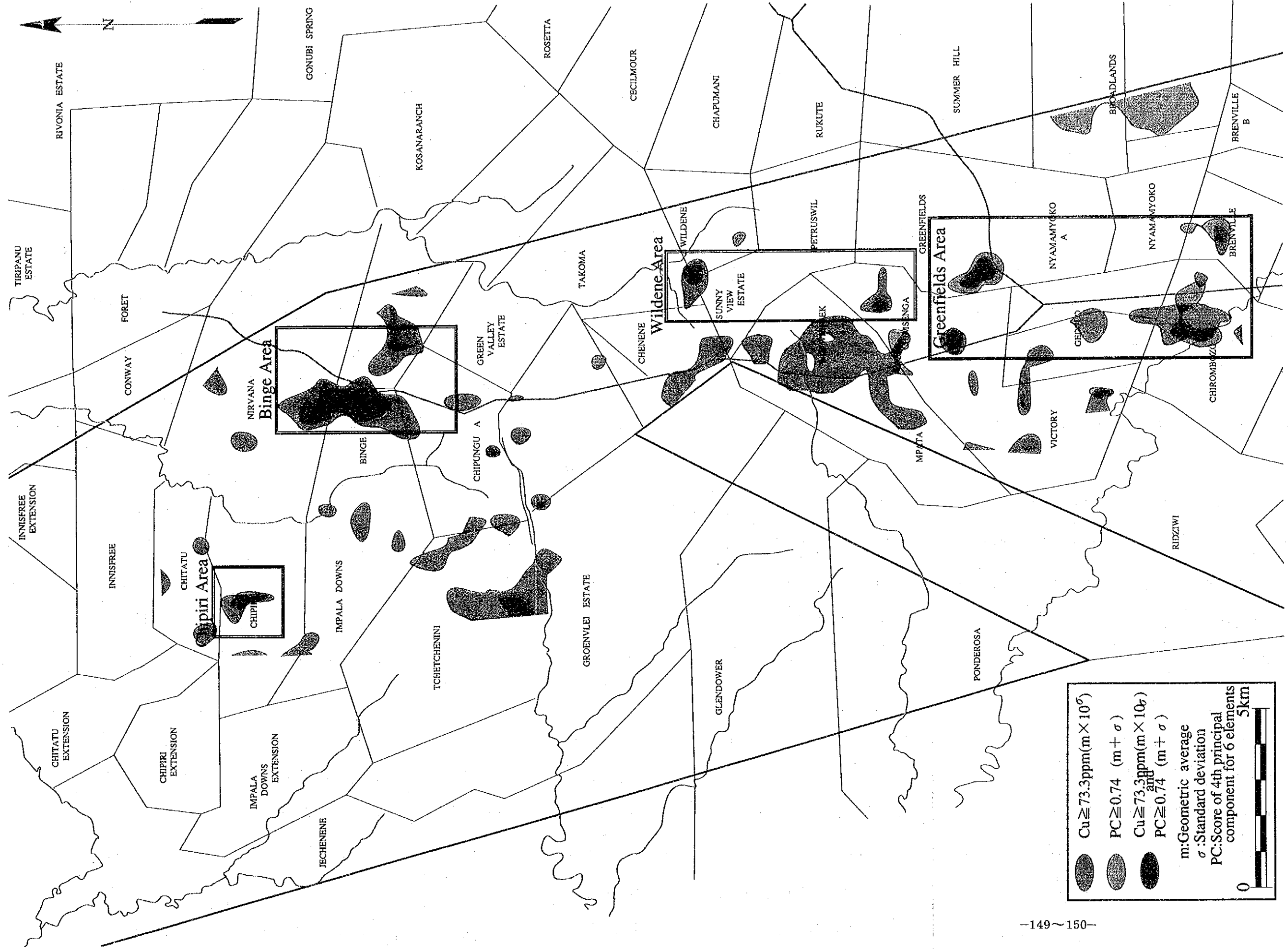


図 III-1-3 マングラ北部地区の総合解析結果図



土壌CO<sub>2</sub>ガス地化学探査では、

- 1) 既知鉱床露頭部とガス地化学探査結果の対比（アヴォンデール地区）
- 2) 苦鉄質貫入岩に対するガス地化学探査結果の検証（シャックルトン地区）
- 3) 既知鉱床推定延長部に対するガス地化学探査結果の対比（ノーラ鉱山南地区）を行った。

探査の結果は高CO<sub>2</sub>ガス濃度測定地の大部分が地表の動植物の影響を反映する結果となった。これは本地区の鉱床が本質的に硫化物の含有量が低く、動植物の影響をより強く反映したものである。

## 第2章 第2年次調査への提言

第1年次の調査結果とその検討によって得られた結論に基づき、第2年次では次の調査を実施することを提言する。

調査対象地区は第1年次調査により抽出された下記の地化学探査異常地である。

- 1) アングワ～ハンス地区
- 2) オールド・アラスカ南西地区
- 3) イニャチ地区
- 4) ピリンガニ地区
- 5) グリーンフィールズ地区
- 6) ワイルデン地区
- 7) チピリ地区
- 8) ビンジ地区

適用する調査法は以下のとおりである。

- 1) 既存データ解析  
対象地区に対して本年次調査データにZMDCに所蔵される土壌による地化学探査分析データを加え詳細な解析を行う。
- 2) 地質精査  
対象地区の鉱化状況及び地質構造の把握を目的としてトレンチ調査を含む地質精査を行う。
- 3) 物理探査  
対象地区に対して岩石及び鉱石の分極率の差異を用いた物理探査を実施し、鉱床賦存の可能性を把握する。
- 4) 試錐調査  
既存データ解析、地質精査及び物理探査の結果により最も有望と思われる場所に対して試錐調査を実施し、鉱床賦存状況の確認に努める。





## 参 考 文 献





## Reference

- 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.
- Bartholomew,D.S.(1990):Base Metal and Industrial Mineral Deposits of Zimbabwe. Mineral Resources Series No.22., Zimbabwe Geological Survey, Harare.
- 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., Rex,D.C. and Snelling,N.J.(1967): Radiometric age data for the Urungwe and Miami granites of Rhodesia. Earth Planet.Sci.Letts.,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,p308-404.
- Dyck,W.(1974):Gases and their relavance 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, Hurungwe district. Zimbabwe Geol. Survey Short Rep., No.47, 84pp.
- Hahn,L. and L.Steiner(1990):Geology and mineral prospecting in the Makonde and Guruve districts, Zimbabwe. Unpub.rep. of BGR Hannover, 213pp.
- Hamilton,P.J.(1977):Sr isotope and trace element sutudies of the Great Dyke and Bushveld mafic phase and their relation to early Proterozoic magma gnesis in southern Africa. J.Perol.,vol.18,24-52.
- Jacobsen,J.B.E.(1962):The Geology of the Lomagundi District. BSc.Honours Project, Univ.

Zimbabwe.

- 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 Schmrocke 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 Tennick, F. P. (1988): The Proterozoic Magondi Mobile Belt in Zimbabwe - a review. *S. Afr. J. Geol.*, Vol. 91, p114-131.
- 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., Hale, M. and Webb, J. S. (1983): Soil air carbon dioxide and oxygen measurements as a guide to concealed 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 localisation 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 playas complex: Norah formation of Deweras group, Zimbabwe. 28th IGC (in Washington D. C. USA) Abstracts, vol 2, p. 384.
- Master, S. (1990): Oldest evaporites in Africa: 2.06 Ga continental playas 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.
- Munchenje, J. (1987): The Geology of the East Plate orrebody below 3 level and its relation to the mineralisation(Mhangura Copper Mine). BSc. Honours Project, Univ. Zimbabwe.
- Mundondo, S. (1987): The Geology of an area around Muchi River, Magondi Mobile Belt. BSc. Honours Project, Univ. Zimbabwe.
- 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. ), p1351-1393.
- 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 terrstrial oxygen budget. Precambrian Res. Vol. 2, p. 1-69.
- Simpson, H. (1988): Evaluation of economic potential of Shamrocke mine area. Unpub. Geological Explortion 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.
- Shoko, D. S. M. (1985): The Geology of an area north of Chinhoi. BSc. Honours Project, Univ. Zimbabwe.
- 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 ans Blanket, Lomagundi district. S. Rhod. geol. Surv. Bull., No. 49, 107pp.
- Stowe, C. W. (1978): structure of the Lomagundi Group in the Sinoia area, Rhodesia. Spec.

- Publ. geol. Soc. S. Afr., 4, p. 449-459.
- Stagman, J. G. (1978): An outline of the geology of Rhodesia. Rhodesia Geological Survey Bull., No. 80, 126pp.
- 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 Shamrock Mine, near Karoi, Rhodesia. Unpublished D. Phil. thesis, Univ. Rhod., 376pp.
- Thole, R. H. (1976): The geology of the Shamrock 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 migmatitic 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 mineralisation 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.
- Vinyu, M. L. (1985): The Geology of an area north of Chinhoyi. BSc. Honours Project, Univ. Zimbabwe.
- Wanger, W., Hobler, M. and Kohler, G. (1987): Groundwater use and Groundwater potential in Chinhoyi-Umboe-Mhangura Farming area (Zimbabwe). Unpub. rep of BGR, Hannover. 90pp.
- Wills, S. D. (1987): The Geology of the Fiona Farm Region, Chinhoyi, Zimbabwe. Bsc. Honours Prospect, Univ. Zimbabwe.
- 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 terranes of the Rhodesian Archaean Craton. Nature, 271,

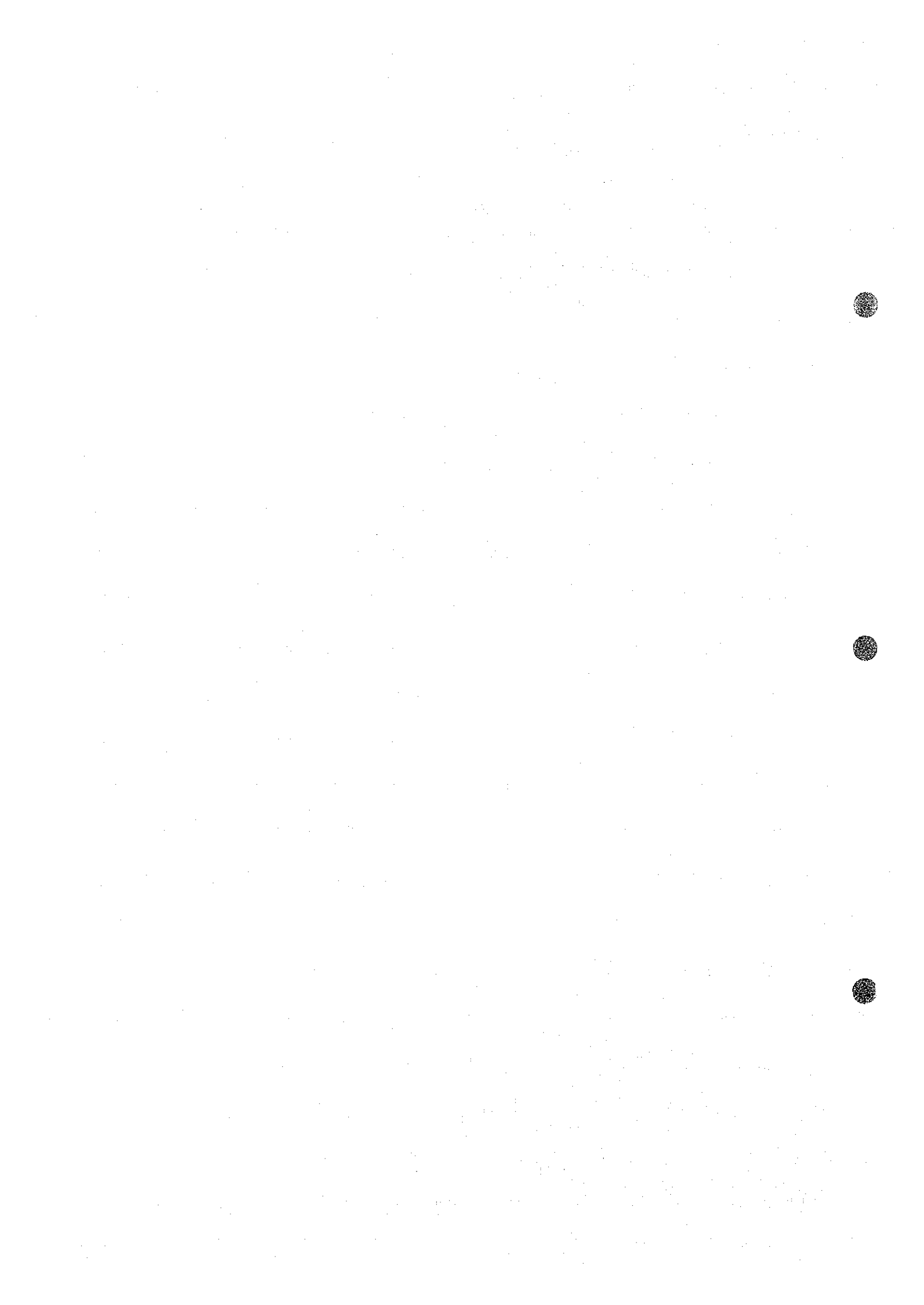
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Wiles, J. W. (1961): The geology of the Miami Mica fields. Southern Rhodesia Geol. Survey  
Bull., No. 51, 235pp.

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.







付 録



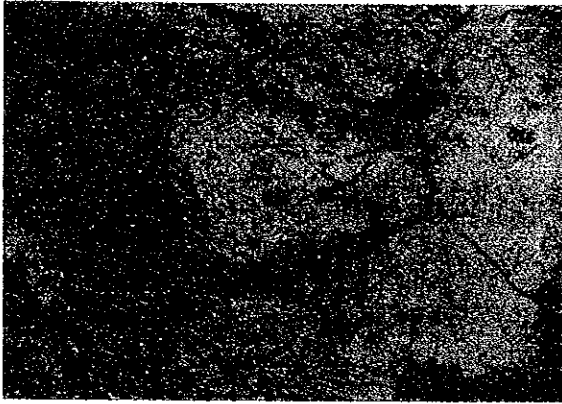


## A - 1 岩石顯微鏡写真

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:moscovite  
Phl:phlogopite  
Pl:plagioclase  
Qtz:quartzite  
St:staurolite





open nicol 0.5mm



Cross nicol 0.5mm

Sample No. SR 32  
 Formation Younger Granite, Pre Wagoni Intrusive rocks  
 Rock name Biotite-muscovite adamellite  
 Locality Hyamanyoko A

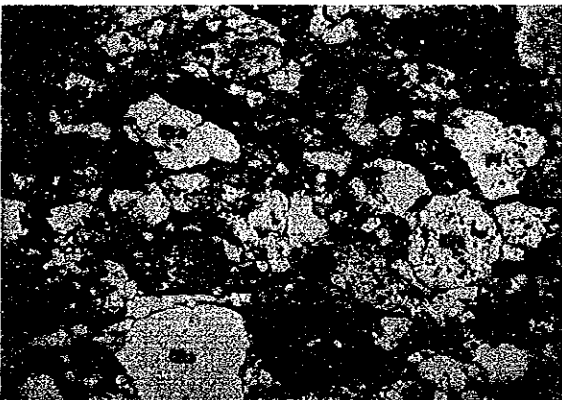


open nicol 0.5mm

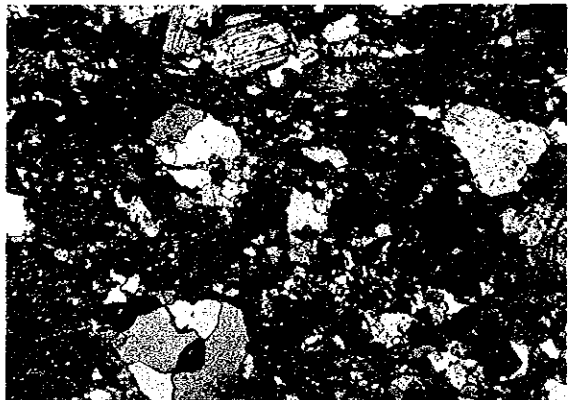


Cross nicol 0.5mm

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



open nicol 0.5mm

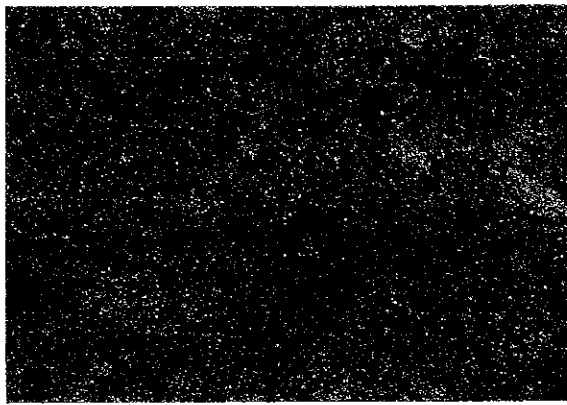


Cross nicol 0.5mm

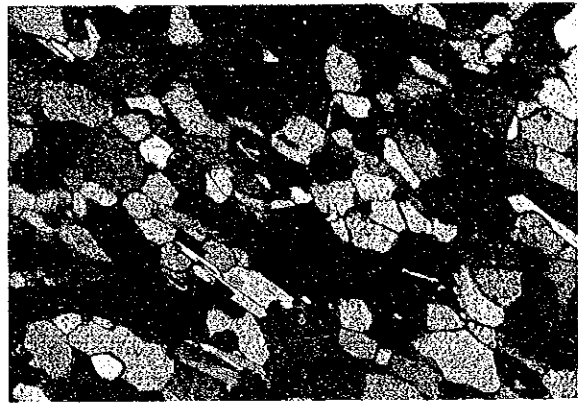
Sample No. KR 2  
 Formation Dewcras Group, Wagoni Supergroup  
 Rock name Muscovite-biotite schist (arkose origin)  
 Locality Manyamba Estate





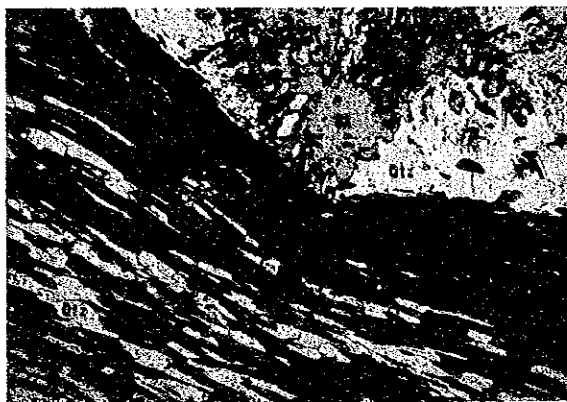


open nicol 0.5mm

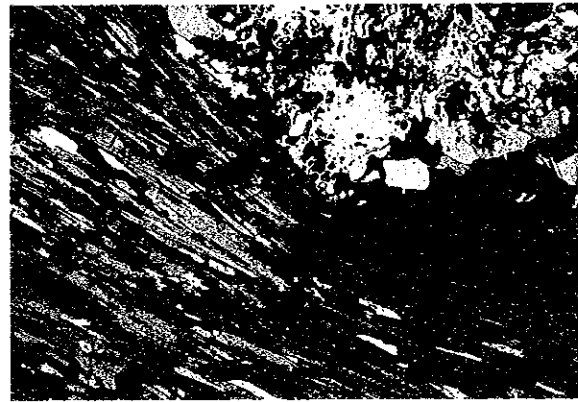


Cross nicol 0.5mm

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



open nicol 0.5mm

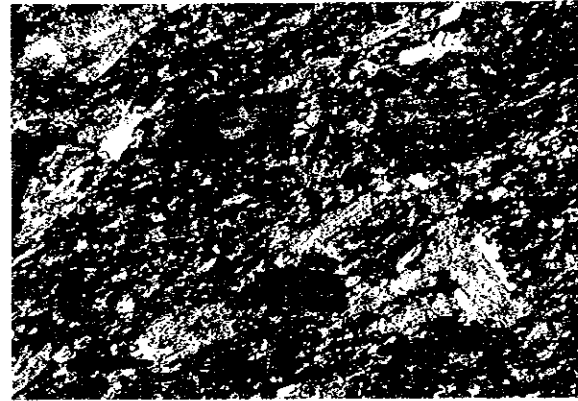


Cross nicol 0.5mm

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

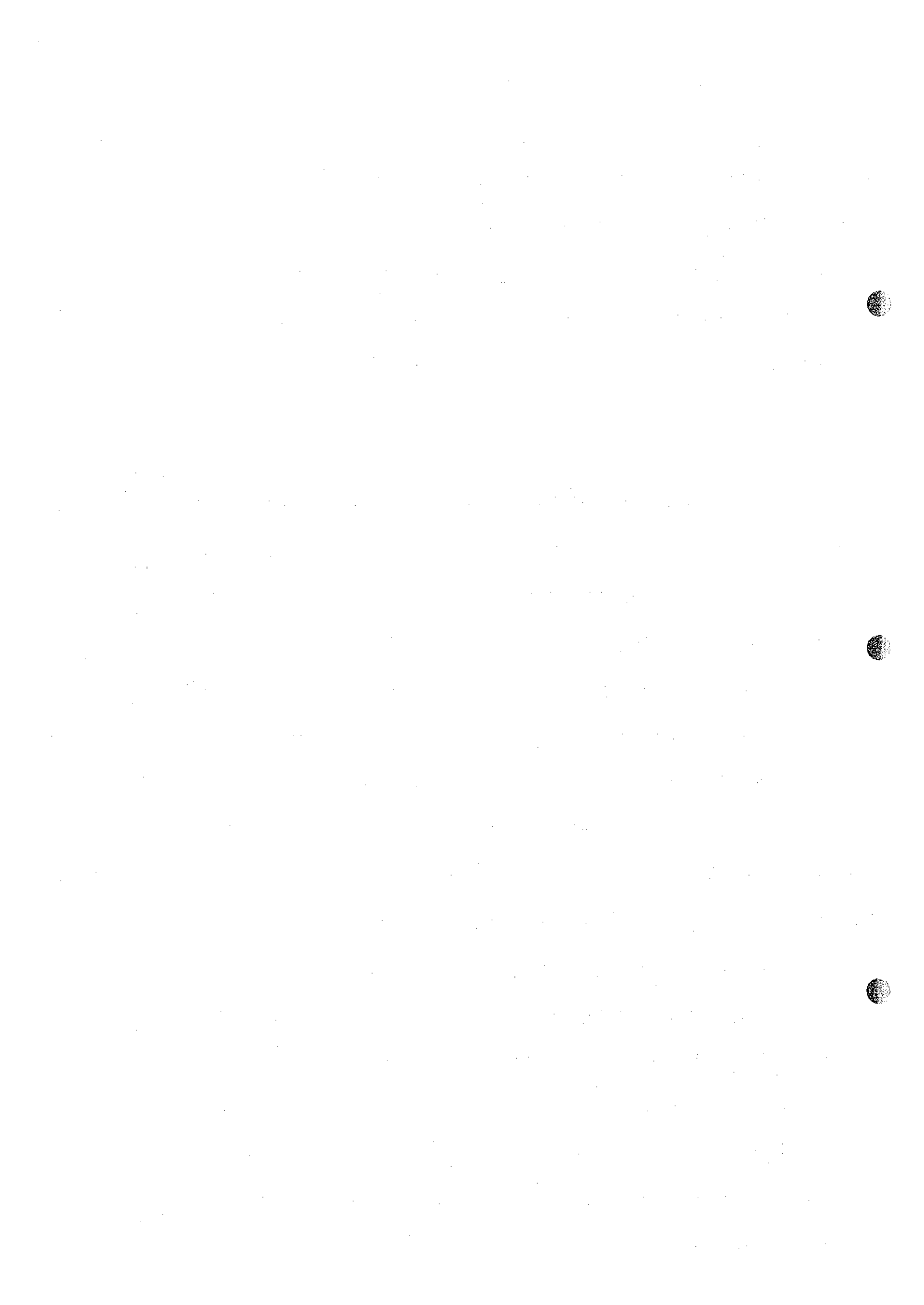


open nicol 0.5mm



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

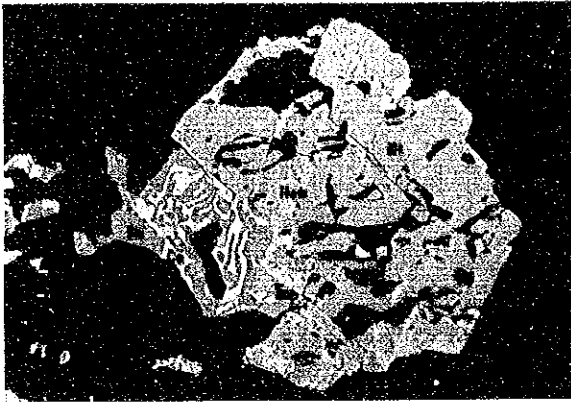


## A - 2 鉍石顯微鏡写真

Abbreviations of mineral names in the plate

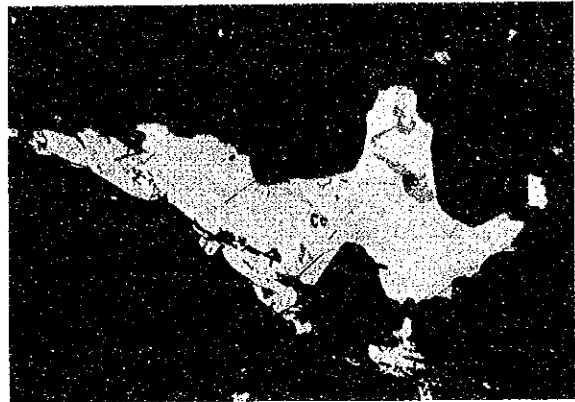
Bo:bornite  
Cc:chalcocite  
Cp:chalcopyrite  
Cub:cubanite  
Cv:covellite  
Hem:hematite  
Mal:malachite  
Mc:marcasite  
Mt:magnetite  
Po:pyrrhotite  
Qtz:quartz





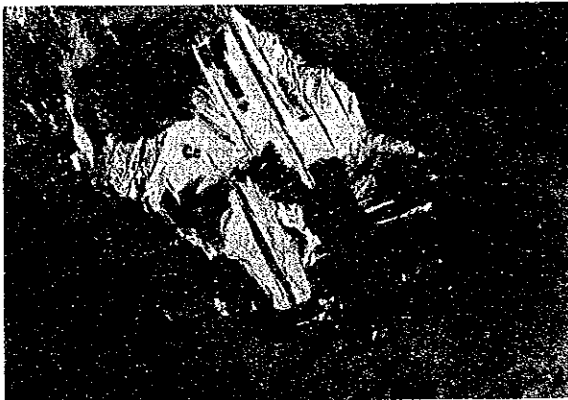
open nicol 0.1mm

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.



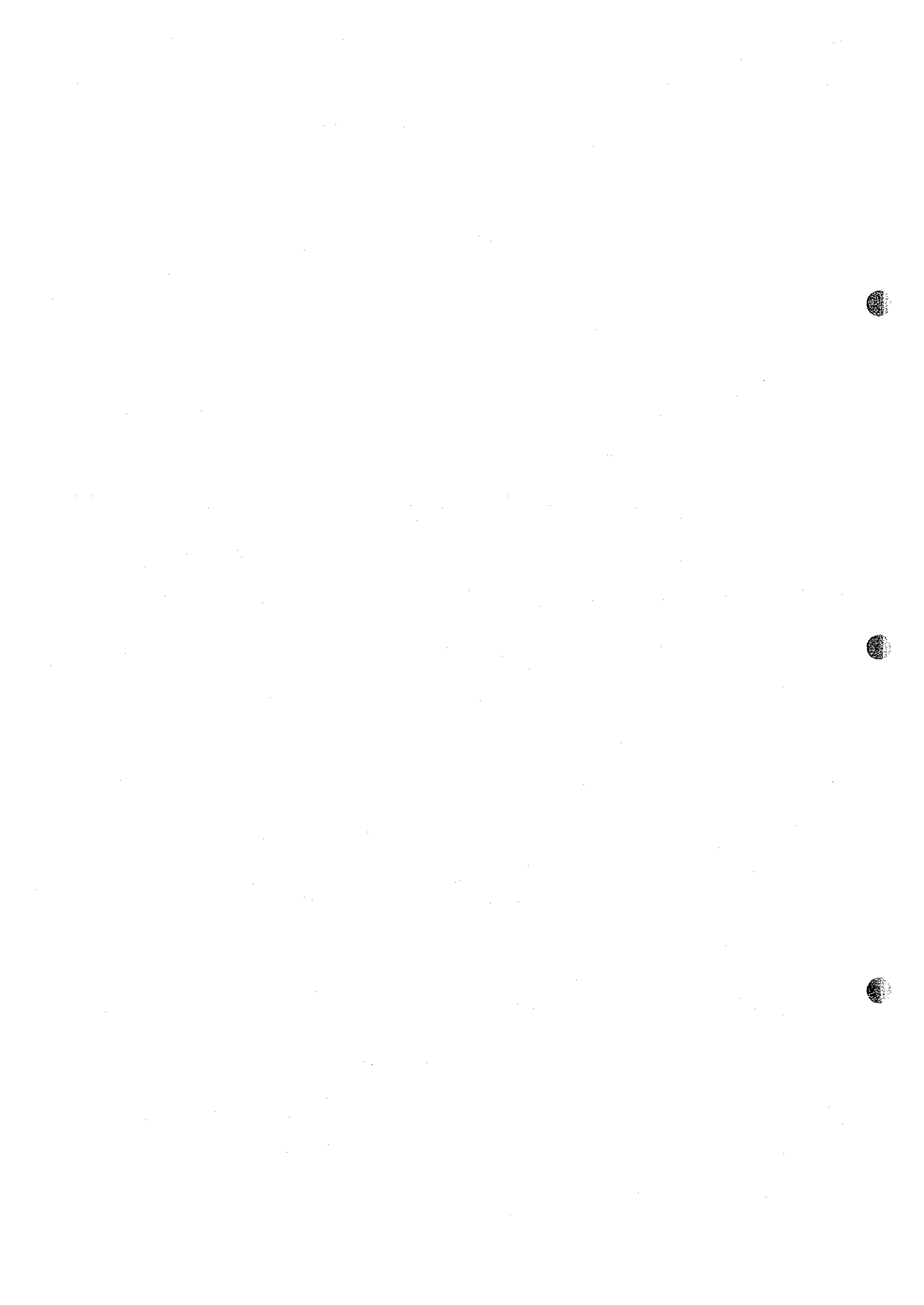
open nicol 0.5mm

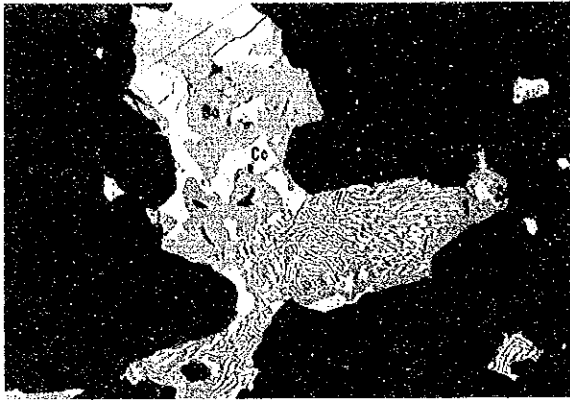
Sample No. NR113  
 Formation Quartz vein in Deweras Group, Magondi Supergroup  
 Rock name Quartz vein  
 Locality United Kingdom Mine  
 Remarks Cc-Mal(-Cv) ore.



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.





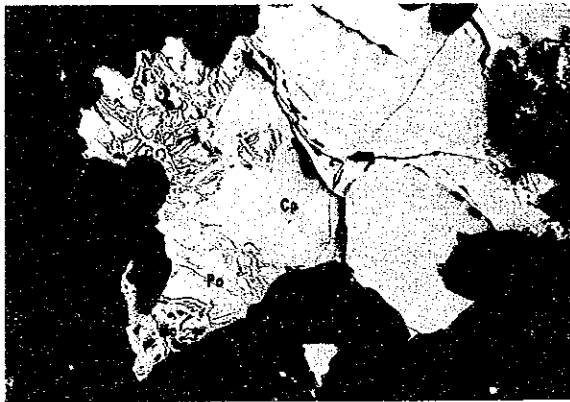
open nicol 0.2mm

Sample No. NR 82  
 Formation Deweras Group, Magondi Supergroup  
 Rock name Arkose-conglomerate  
 Locality Manguia 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.



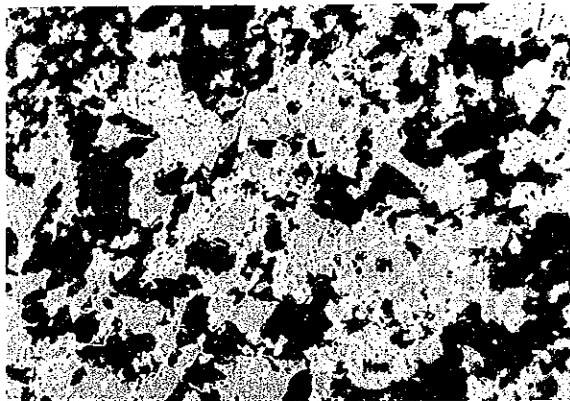
open nicol 0.5mm

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

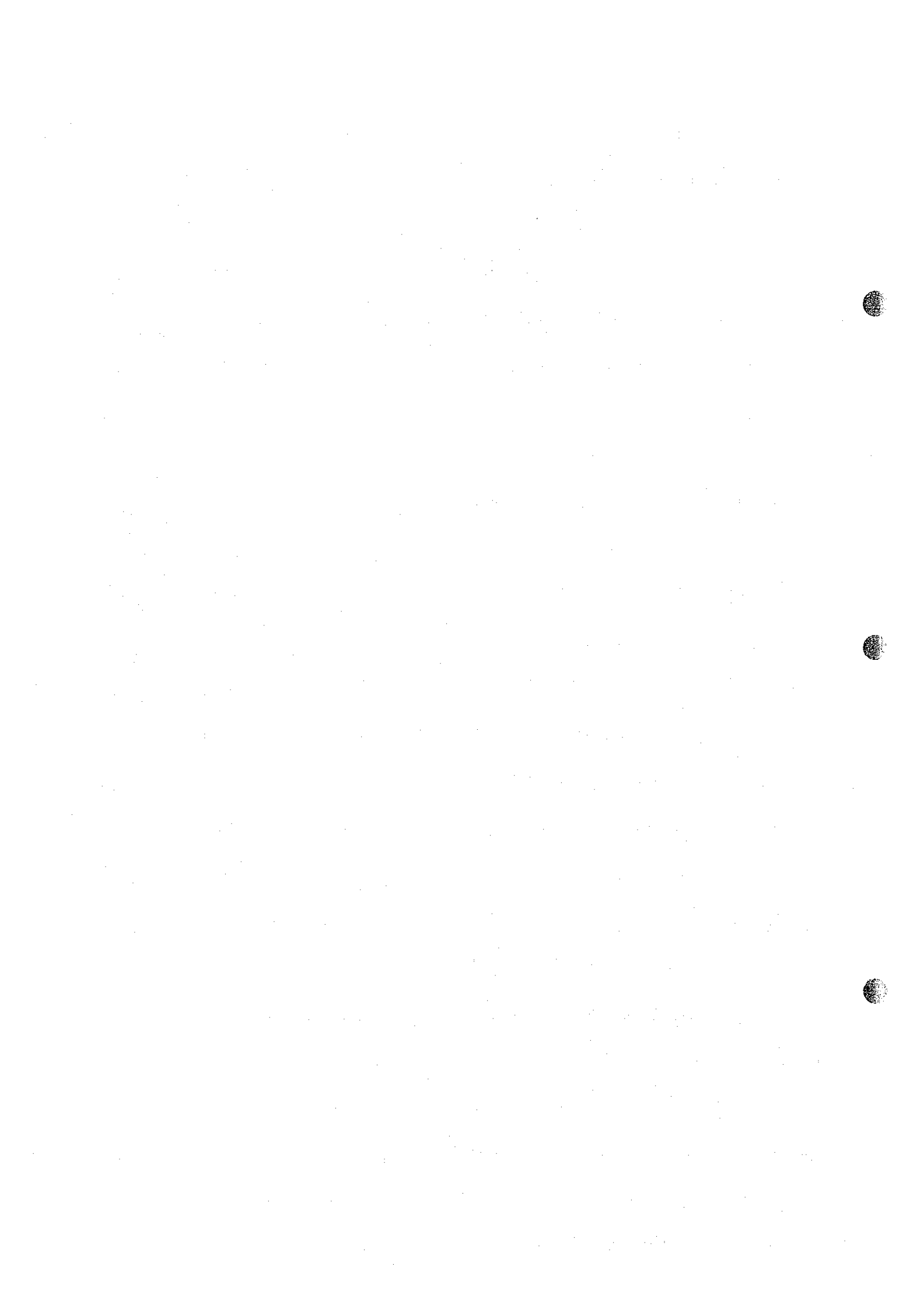
Sample No. YR 60  
 Formation Lomagundi Group, Magondi Supergroup  
 Rock name banded ironstone  
 Locality Riversdale  
 Remarks Euhedral magnetite grains with hematitized rim.

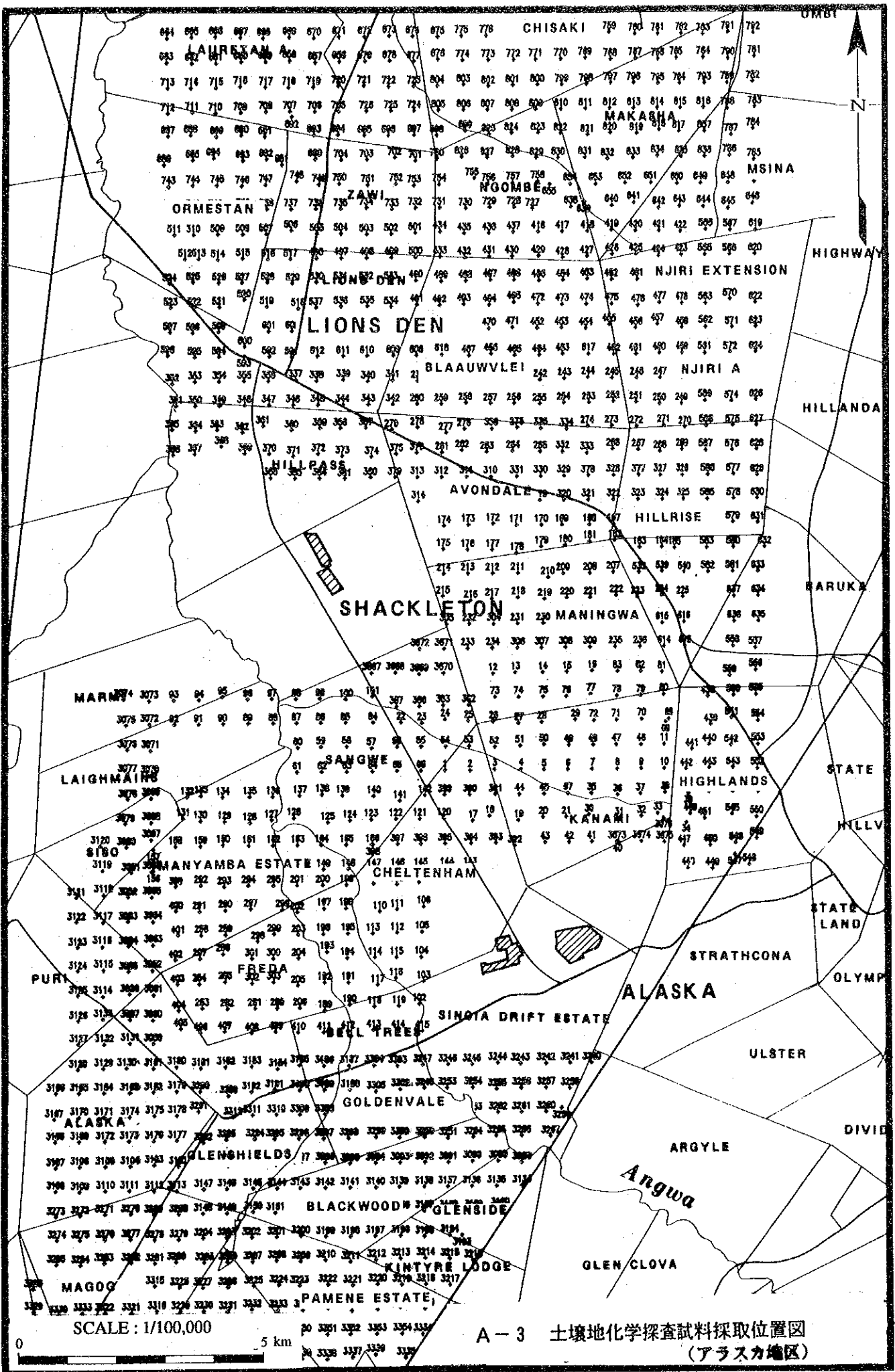


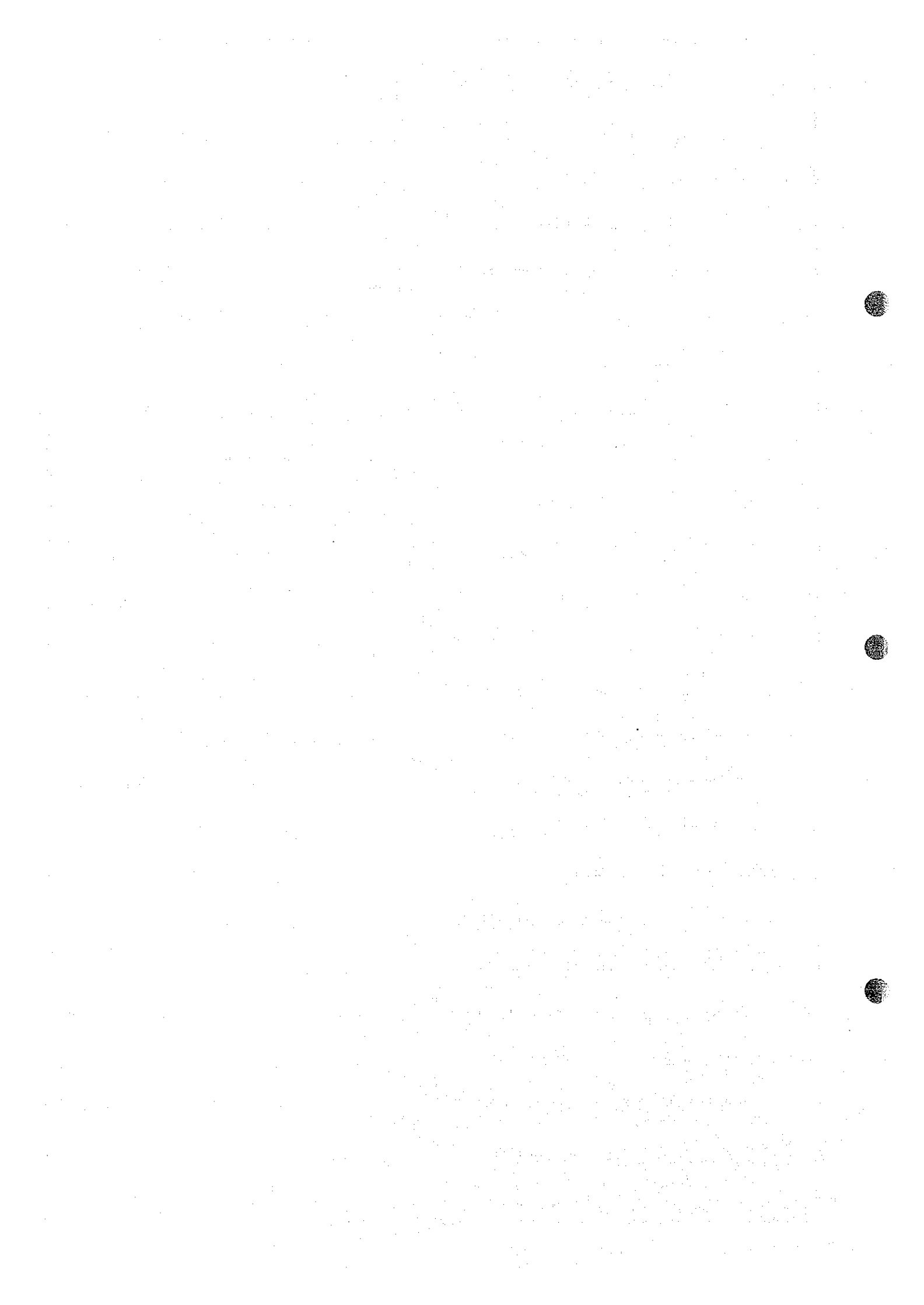
Open nicol 0.1mm

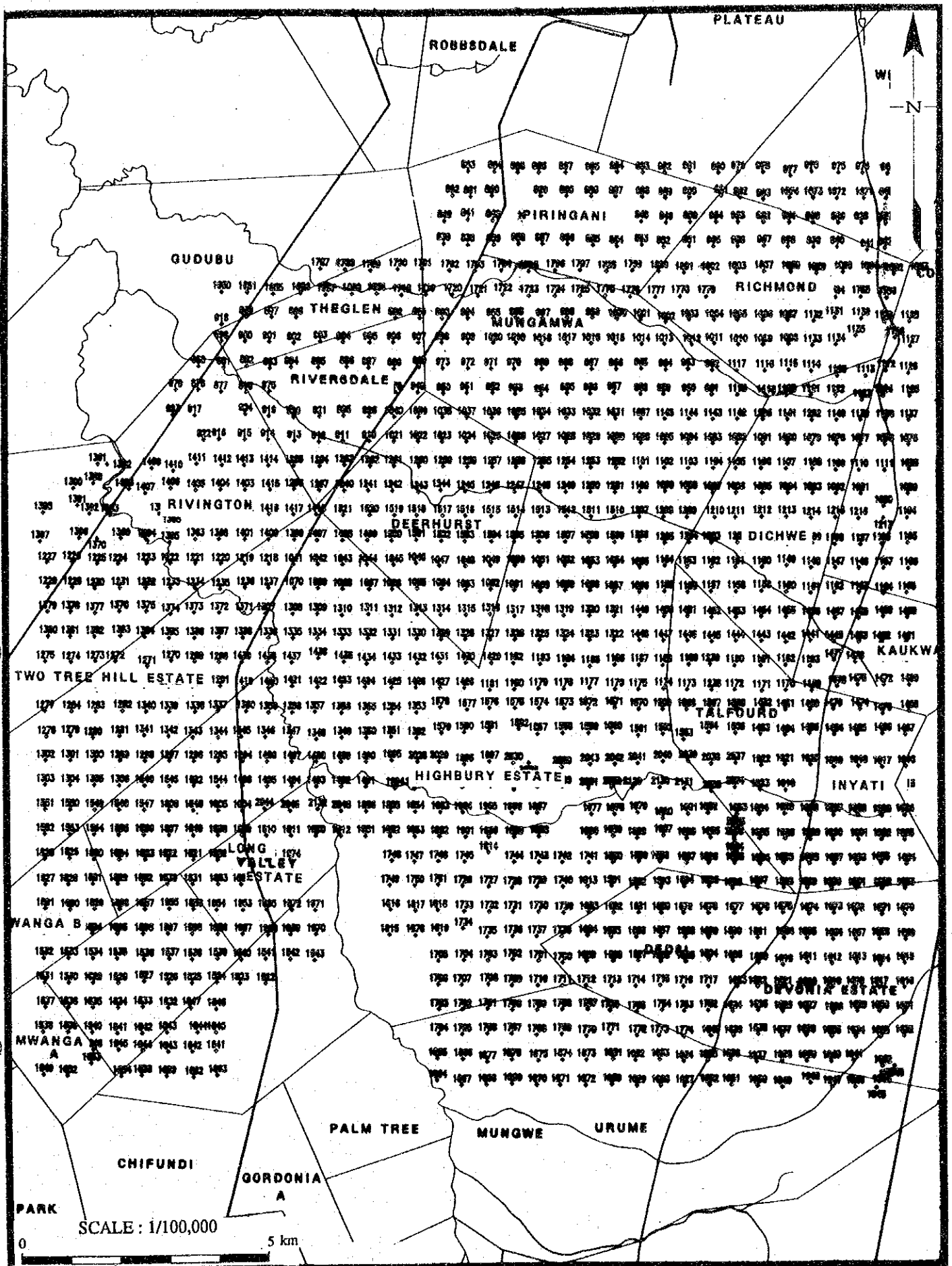
Sample No. KR 61  
 Formation Quartz vein in Younger Granite  
 Rock name Quartz-magnetite vein  
 Locality Nyamamyoko  
 Remarks Mt-Hem ore



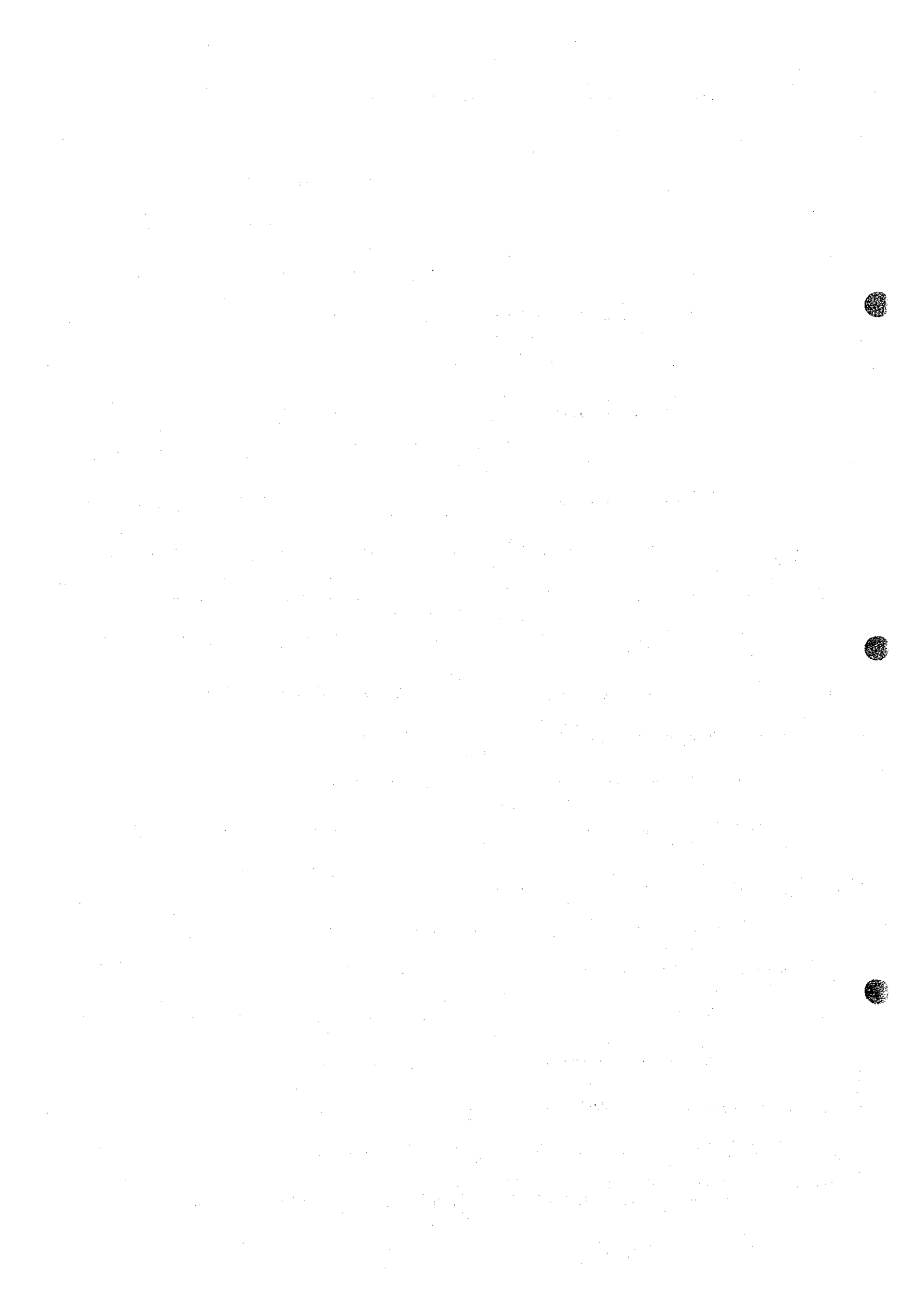




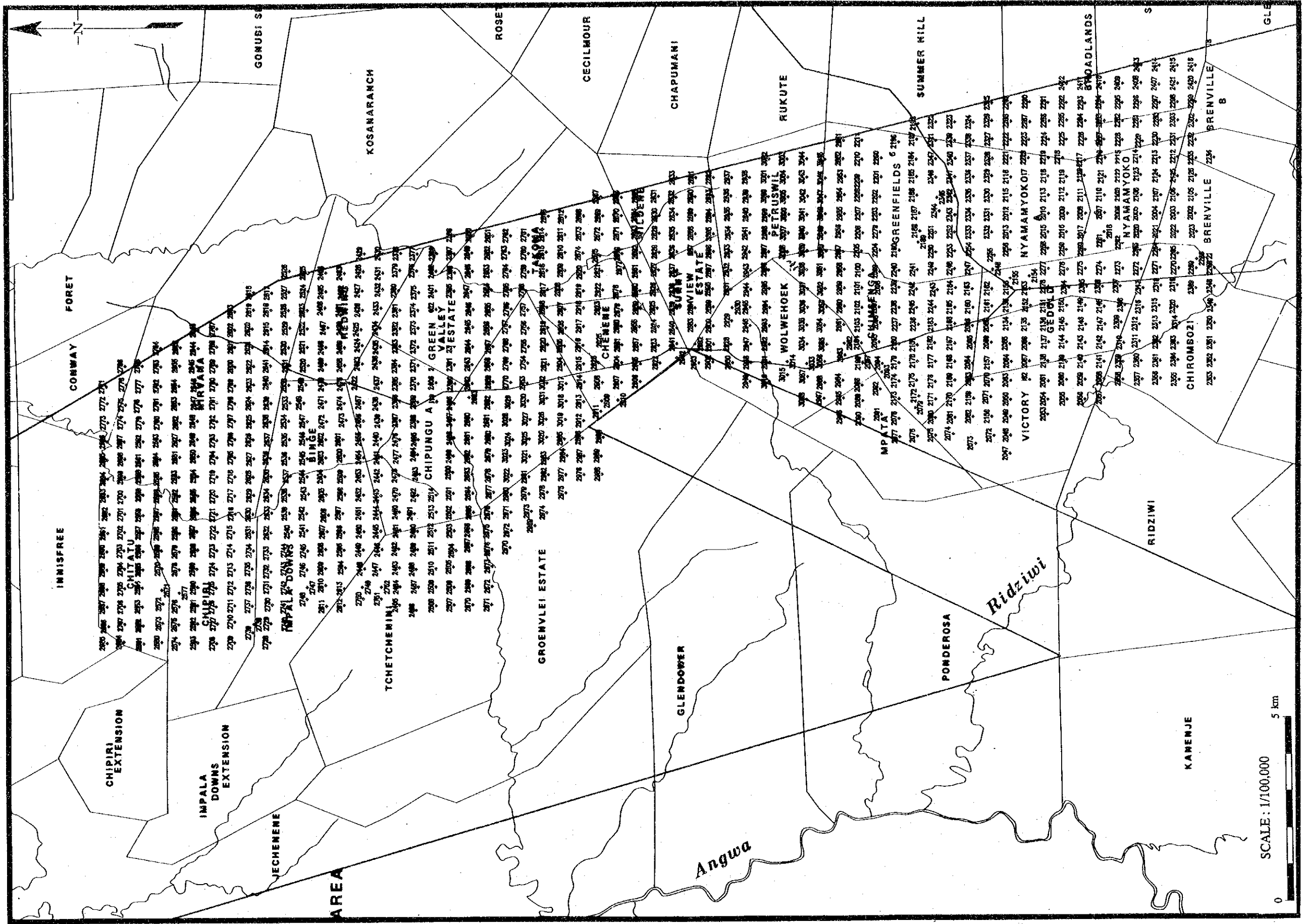




A-3 土地化学探査試料採取位置図(ウングエ地区)  
A 15



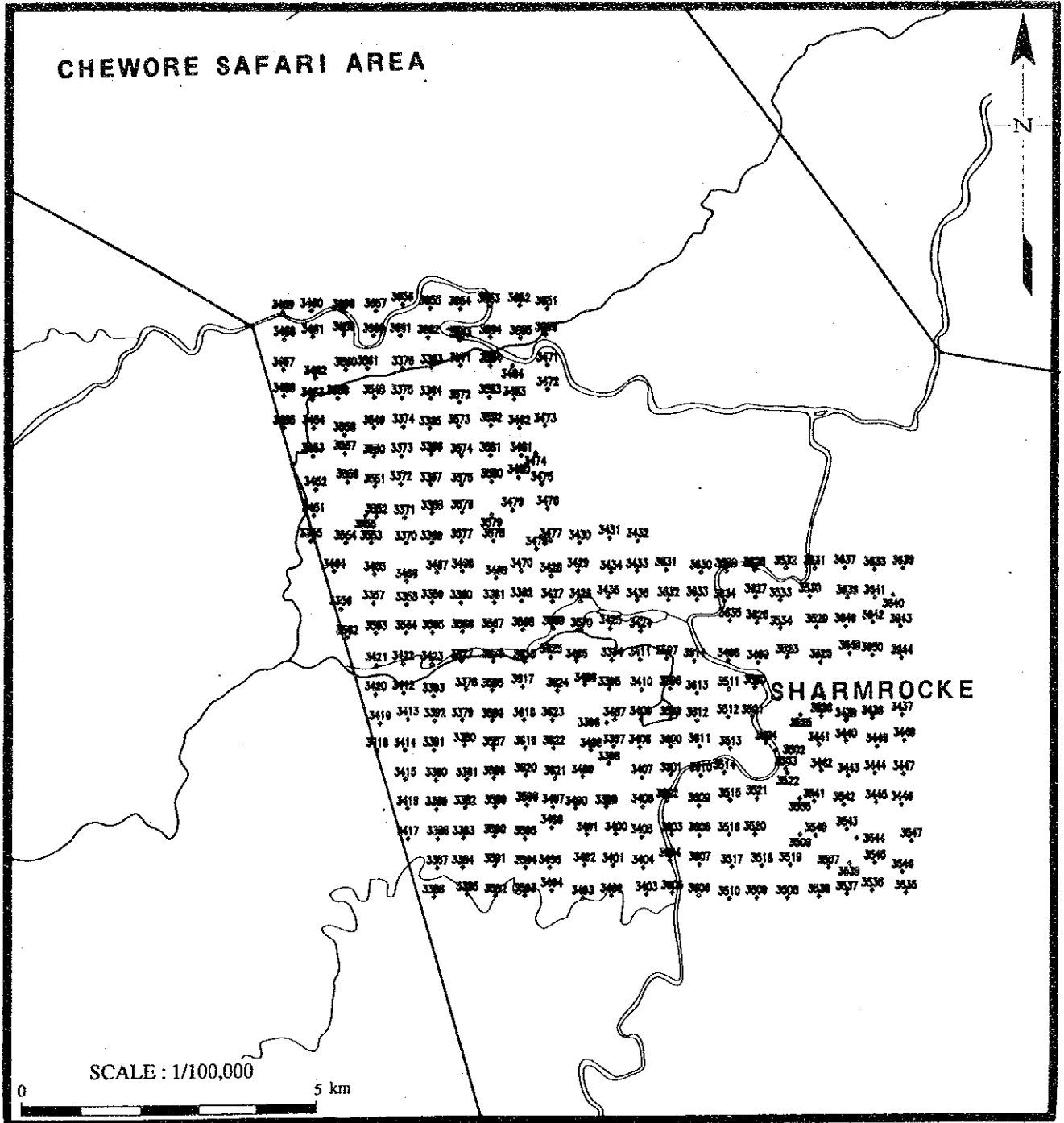




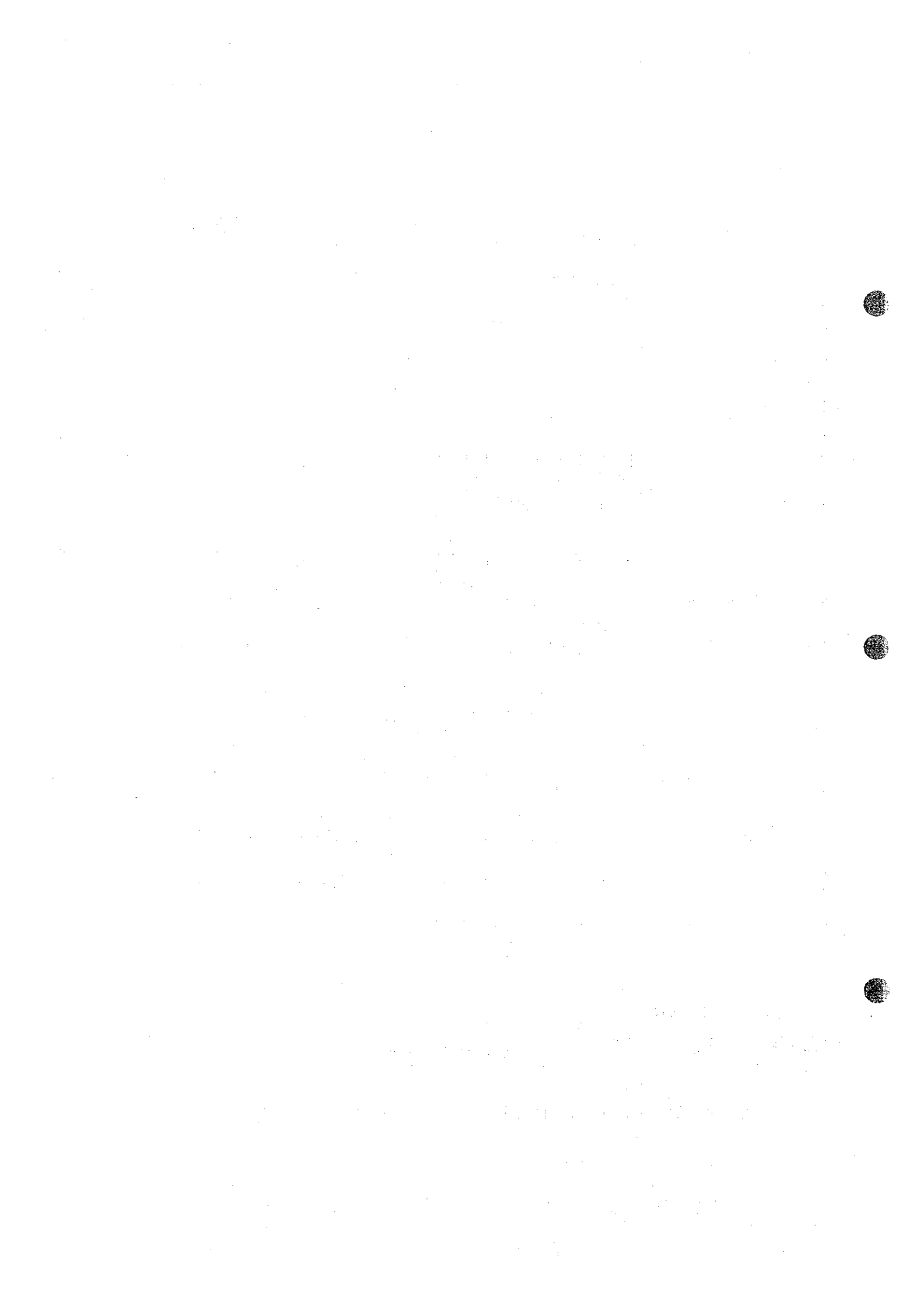
A-3 土壤地化学探査試料採取位置図(マングラ北部地区)







A-3 土地化学探査試料採取位置図 (シャムロック地区)



A-4 土壤化学分析结果一览表

(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	24	<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	2	< 0.1	14	28	1.48	11	45	47	< 10
189	K- 43	17°22.91'S	30° 1.88'E	37	5	< 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	4208	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	2	< 0.1	15	225	3.29	10	76	25	< 10
263	S-45	17° 16.73' S	30° 3.80' E	14	8	< 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	3	0.2	16	33	1.90	5	43	< 2	< 10
414	K-100	17°23.14'S	30°2.71'E	154	4	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	<	< 10	
690	S-119	17°13.22'S	30°1.03'E	8	1	0.1	13	17	1.38	6	58	<	< 10	
691	S-120	17°13.24'S	30°1.30'E	4	3	0.1	2	8	0.57	4	37	<	< 10	
692	S-121	17°13.02'S	30°1.61'E	2	5	0.2	10	8	0.84	2	37	<	< 10	
693	S-122	17°13.22'S	30°1.86'E	5	4	0.2	< 2	9	0.69	2	21	<	< 10	
694	S-123	17°13.22'S	30°2.13'E	12	2	< 0.1	11	13	1.06	8	61	<	< 10	
695	S-124	17°13.23'S	30°2.43'E	8	5	< 0.1	14	17	1.45	7	55	<	< 10	
696	S-125	17°13.23'S	30°2.70'E	2	4	< 0.1	16	15	1.06	5	32	<	< 10	
697	S-126	17°13.23'S	30°3.00'E	9	2	< 0.1	38	81	2.75	10	97	<	< 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	<	< 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	<	< 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	<	0.25	<	1	13	<	< 10
704	S-133	17°13.50'S	30°2.16'E	5	2	< 0.1	<	<	0.29	1	27	<	< 10	
705	Y-171	17°12.96'S	30°2.14'E	7	<	0.4	8	6	0.72	4	31	<	< 10	
706	Y-172	17°12.96'S	30°1.87'E	2	<	< 0.1	2	<	0.35	1	8	5	< 10	
707	Y-173	17°12.96'S	30°1.59'E	2	<	0.4	3	<	0.31	<	3	<	< 10	
708	Y-174	17°12.96'S	30°1.31'E	5	<	0.1	5	<	0.35	3	11	<	< 10	
709	Y-175	17°12.97'S	30°1.02'E	13	<	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	<	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	<	< 0.1	3	4	0.87	7	29	3	< 10	
717	Y-183	17°12.69'S	30°1.31'E	9	<	0.2	2	3	0.68	6	40	<	< 10	
718	Y-184	17°12.69'S	30°1.58'E	18	<	< 0.1	7	2	0.72	1	36	<	< 10	
719	Y-185	17°12.69'S	30°1.86'E	2	<	0.1	<	<	0.50	1	24	<	< 10	
720	Y-186	17°12.68'S	30°2.14'E	4	<	< 0.1	<	<	0.36	<	1	20	<	< 10
721	Y-187	17°12.68'S	30°2.43'E	5	<	0.1	4	54	0.35	<	1	10	4	< 10
722	Y-188	17°12.69'S	30°2.71'E	3	<	< 0.1	3	<	0.31	1	17	4	< 10	
723	Y-189	17°12.69'S	30°3.00'E	2	2	< 0.1	7	<	0.51	3	20	<	< 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	<	< 10	
726	Y-192	17°12.96'S	30°2.45'E	4	<	< 0.1	3	2	0.69	2	27	<	< 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	<	0.2	9	15	0.96	1	16	<	< 10	
735	K-162	17°14.04'S	30°2.15'E	13	3	< 0.1	12	32	1.77	4	41	<	< 10	
736	K-163	17°14.04'S	30°1.87'E	11	<	< 0.1	5	3	0.41	<	1	10	<	< 10
737	K-164	17°14.04'S	30°1.59'E	9	<	< 0.1	7	11	0.87	2	21	<	< 10	
738	K-165	17°14.04'S	30°1.31'E	24	1	< 0.1	13	27	1.60	8	66	<	< 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	<	< 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	<	< 0.1	5	25	1.62	5	59	2	< 10	
745	K-172	17°13.77'S	30°0.74'E	9	<	< 0.1	<	3	0.69	2	25	<	< 10	
746	K-173	17°13.78'S	30°1.03'E	11	<	< 0.1	6	72	0.96	3	22	11	< 10	
747	K-174	17°13.77'S	30°1.30'E	10	<	< 0.1	5	8	0.74	4	23	2	< 10	
748	K-175	17°13.73'S	30°1.66'E	8	<	< 0.1	<	3	0.44	1	9	<	< 10	
749	K-176	17°13.77'S	30°1.91'E	10	<	< 0.1	<	6	0.58	2	45	<	< 10	
750	K-177	17°13.76'S	30°2.14'E	9	<	< 0.1	<	4	0.57	1	7	<	< 10	
751	K-178	17°13.78'S	30°2.46'E	11	<	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	<	< 10	
754	K-181	17°13.78'S	30°3.28'E	12	3	0.1	2	36	1.71	6	52	<	< 10	
755	K-182	17°13.71'S	30°3.69'E	14	3	0.2	<	2	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	<	< 10
760	I-216	17°12.14'S	30°5.55'E	13	2	< 0.1	19	54	2.25	20	58	<	< 10	
761	I-217	17°12.14'S	30°5.82'E	13	1	< 0.1	33	44	1.85	10	80	<	< 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	<	< 10	
764	I-220	17°12.41'S	30°6.38'E	9	3	< 0.1	26	45	1.32	6	55	<	< 10	
765	I-221	17°12.41'S	30°6.05'E	5	2	< 0.1	12	38	1.26	9	140	<	< 10	
766	I-222	17°12.42'S	30°5.82'E	9	3	< 0.1	19	38	1.71	12	127	<	< 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	<	< 10	
769	I-225	17°12.40'S	30°4.97'E	5	<	< 0.1	22	25	1.47	2	21	<	< 10	
770	I-226	17°12.41'S	30°4.69'E	18	5	0.1	9	40	1.85	14	149	<	< 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	<	< 0.1	17	17	0.91	4	49	<	< 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	2	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	9	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	< 10
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	739	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	52	< 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	71	< 4	< 10
1363	Y-349	17° 1.22'S	30° 3.69'E	59	2	< 0.1	20	85	4.11	17	89	< 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	54	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	54	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		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	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	43	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