ARIS SUMMARY SHEET

District Geologist, Victoria — Off Confidential: 89.03.29

ASSESSMENT REPORT 17557 — MINING DIVISION: Alberni

PROPERTY: Stamp
LOCATION: LAT 49 13 00 LONG 124 51 00
UTM 10 5452970 365273
NTS 092F02W
CLAIM(S): Stamp 1-3,Holk,Gloria
OPERATOR(S): Napier Ex.
AUTHOR(S): Stritychuk Hopkins, J.M.;Leriche, P.
REPORT YEAR: 1988, 117 Pages
COMMODITIES SEARCHED FOR: Gold
GEOLOGICAL SUMMARY: The property is underlain by andesitic volcanic rocks belong to Triassic Karmutsen Formation. Three showings exist on the property and consist of 30 to 60 centimetre wide quartz veins mineralized with chalcopyrite, pyrite and pyrrhotite.
WORK DONE: Geological,Geochemical
GEOL 1400.0 ha
Map(s) - 3; Scale(s) - 1:10 000,1:100
ROCK 65 sample(s) ;AU,ME
Map(s) - 1; Scale(s) - 1:10 000
SOIL 1055 sample(s) ;AU,ME
Map(s) - 6; Scale(s) - 1:10 000
RELATED REPORTS: 11337,15038
MINFILE: 092F 155,092F 168

REPORT ON THE

GEOLOGICAL AND GEOCHEMICAL SURVEYS

ON THE

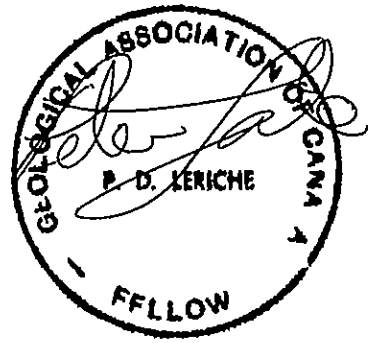
STAMP CLAIM GROUP

IN THE

ALBERNI MINING DIVISION
BRITISH COLUMBIA

For

NAPIER EXPLORATIONS INC.
500 - 744 West Hastings Street
Vancouver, B.C.



Location: NTS 92F/2
Lat. 49 13' N
Long.124 51' W

Subject: Results of January-February 1988 Field Program and Recommendations for Additional Exploration

Prepared by: Peter D. Leriche, B.Sc., F.G.A.C.
Janet M. Stritychuk Hopkins, Hons.B.Sc.

June 29, 1988

SUMMARY

Ashworth Explorations Limited carried out a field program, consisting of geological mapping and geochemical rock and soil sampling on the Stamp Claim Group, for Napier Explorations Inc. during January-February 1988.

The Stamp Claim Group consists of four continguous mineral claims and one reverted crown grant, totalling 56 units. The claims are situated 1.5 kilometres west of Port Alberni, Vancouver Island, B.C.

The subject property is underlain by Triassic andesite volcanic rocks belonging to the Karmutsen Formation. Fractures and faults within the Karmutsen Formation have been infilled with mineralized quartz veins. The heat source for the veins is thought to be from an intrusive pluton located 500 metres west of the claims.

Three quartz vein showings (Devil's Den, Raven and Dauntless), mineralized with chalcopyrite-pyrite-pyrrhotite, were located and sampled. The Devil's Den Showing yielded one sample that assayed 4150 ppb (.12 oz/ton) gold and 2567 ppm copper. Five samples from the Raven Showing ranged between 2404 to 6809 ppm copper. Seven chip samples from 12.0 metres of quartz vein within the Dauntless Showing averaged 16,698 ppm (1.7%) copper plus anomalous silver and gold values.

The geochemical soil survey outlined several anomalous areas. A coincident copper and zinc anomaly overlies the Raven Showing and extends 400 metres north. The south grid area includes a large copper-zinc-gold anomaly. A gold

anomaly (values up to 400 ppb) exists on the southwest part of the grid and a zinc anomaly occurs on the northeast part of the property.

Second and third phase exploration programs have been recommended. Phase II will consist of further grid layout, soil and rock sampling, geological mapping, magnetometer and VLF-EM geophysics and hand blasting at an estimated cost of $60,000. Phase III would be contingent upon favourable results from Phase II and would consist of backhoe trenching and diamond drilling at an estimated cost of $115,000.

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1. INTRODUCTION

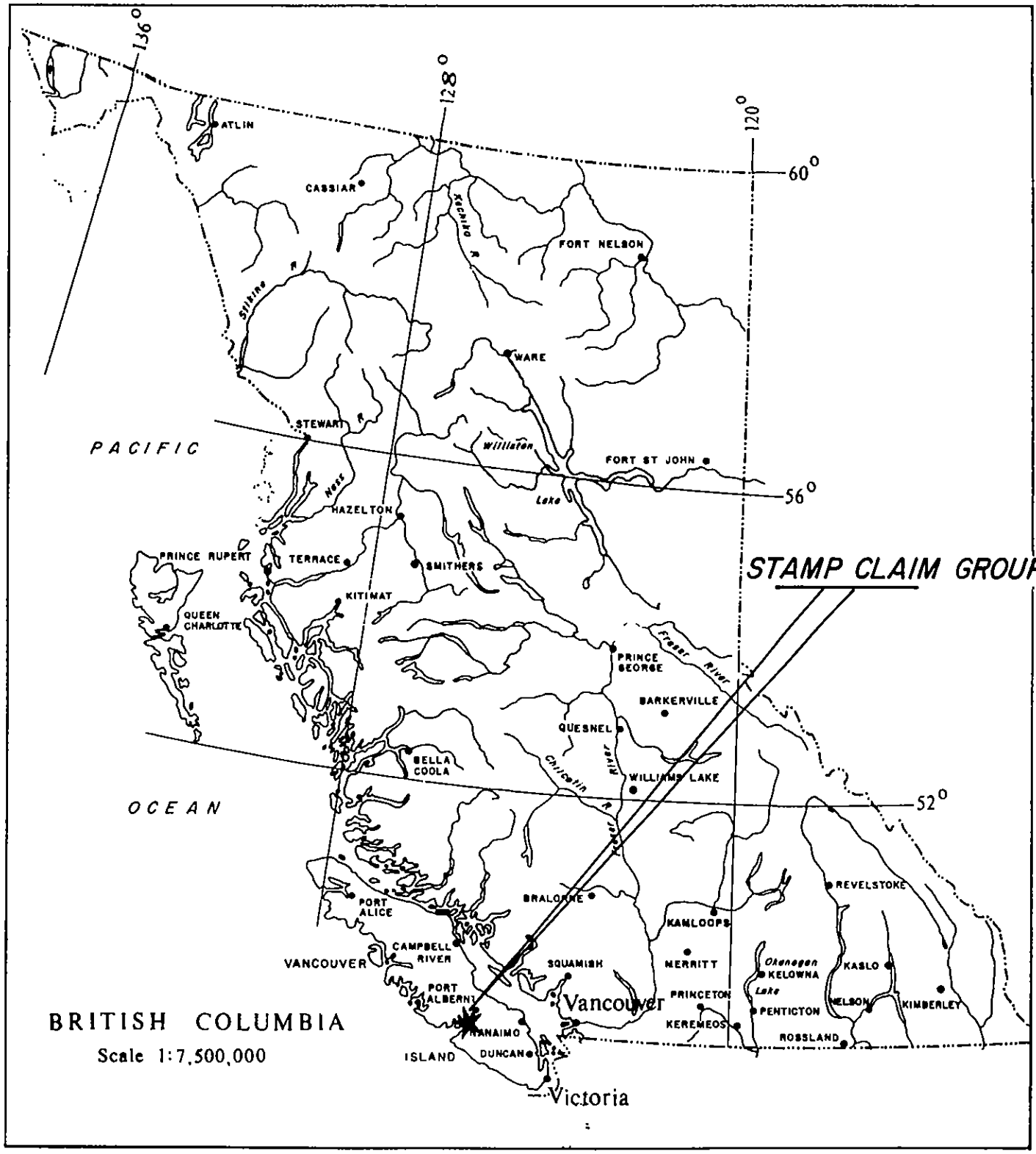
This report was prepared at the request of Napier Explorations Inc. to describe and evaluate the results of a geological-geochemical survey carried out by Ashworth Explorations Limited from January 22 to February 1, 1988 on the Stamp Claim Group, Port Alberni Area, Vancouver Island, B.C. The report also describes the regional geology and the past exploration activities in the area, and outlines a proposed exploration program.

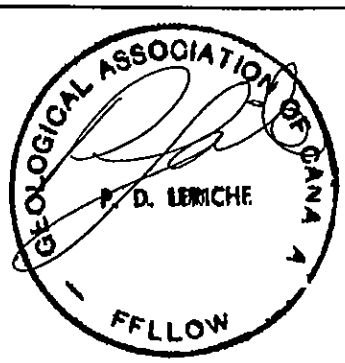
One of the authors, Mr. Leriche, who has been involved in geological work in the Port Alberni area since 1979, planned and supervised all fieldwork and examined the subject claims from January 24 to January 26, 1988.

2. LOCATION, ACCESS AND TOPOGRAPHY (Figures 1 and 2)

The Stamp Claim Group is located approximately 1.5 kilometres due west from Port Alberni on the west coast of Alberni Inlet. The northern tip of Devil's Den Lake approximately marks the northern boundary of the claim group. Cous Creek cuts across the southwest corner of the Stamp #3 claim, entering approximately .5 kilometres to the north along the western claim boundary and leaving approximately 1.1 kilometres to the east along the southern claim boundary.

Access is best obtained by following a main logging road across the Somass River NW of Port Alberni, then following the Cous Creek MacMillan Bloedel logging road southward. Several secondary logging roads extend over the property and a two-wheel drive vehicle is suitable for travel.





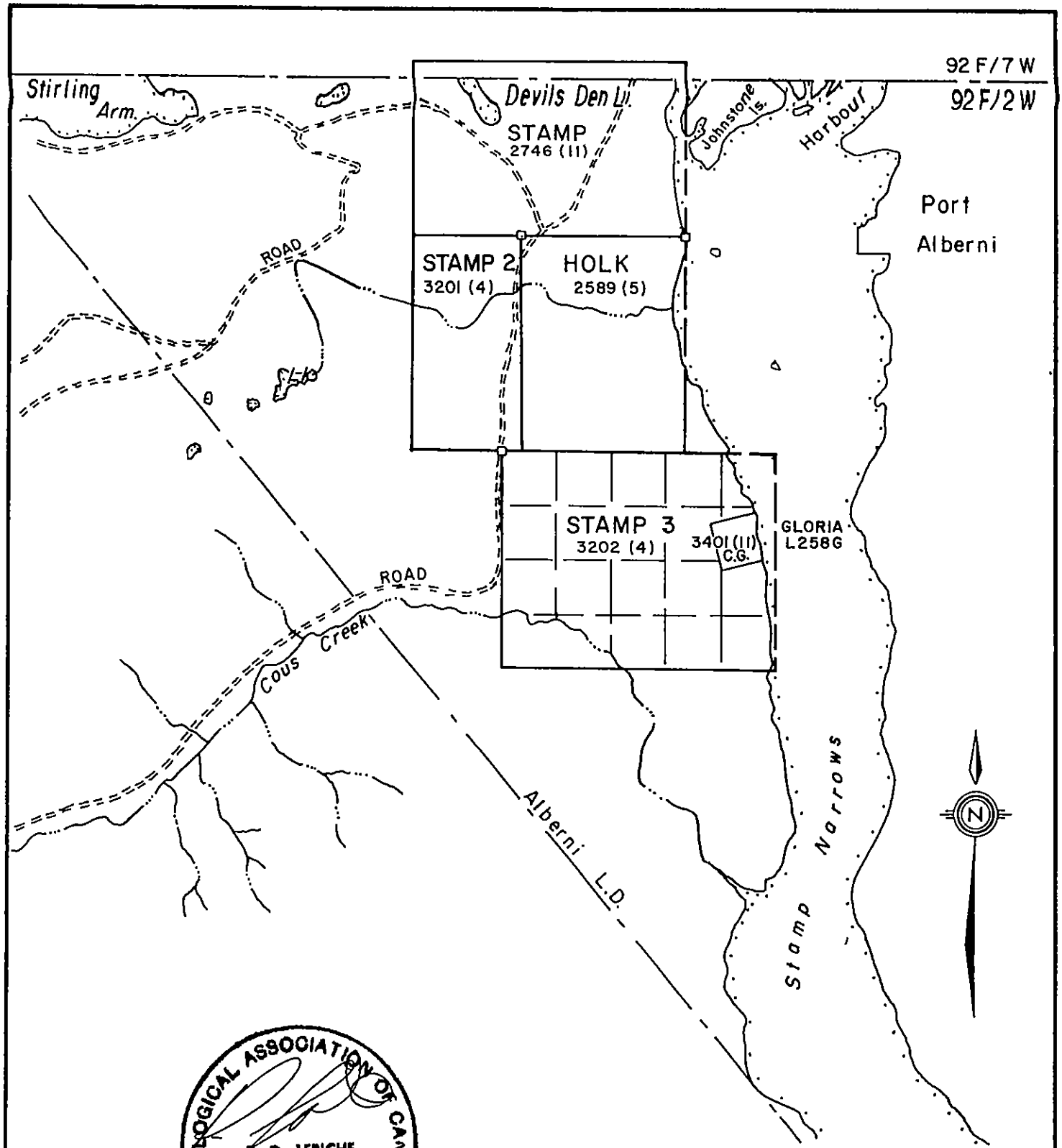
NAPIER EXPLORATIONS *INC.*

STAMP CLAIM GROUP
ALBERNI MINING DIVISION, B.C.

GENERAL LOCATION MAP

NTS. 92F/2W; 92F7W	By : F.Y. Drn GT
Date. January 1988	Fig 1

Ashworth Explorations Limited



GEOLOGICAL ASSOCIATION OF CANADA
P. D. LERICHE
FELLOW

NAPIER EXPLORATIONS *INC.*

STAMP CLAIM GROUP
ALBERNI MINING DIVISION, B.C.

CLAIM MAP

NTS 92 F/2W ; 92F/7W	By : F.Y. Drn GT
Date. January 1988	Fig : 2

Ashworth Explorations Limited

Elevation varies from sea-level along the west coast of Alberni Inlet to approximately 400 metres at the centre of Stamp #3 claim. Some of the claim group area has seen logging activity with second growth Douglas fir, hemlock, cedar, salal and alder remaining.

3. PROPERTY STATUS (Figure 2)

The Stamp Claim Group consists of 4 contiguous claims and 1 reverted crown grant, in the Alberni Mining Division, as follows:

Name	Record #	Units	Expiry Date	Owner
Stamp #2	3204? 3201	8	Apr.6/89	Napier Explorations Inc.
Stamp #3	3202	20	Apr.6/89	500 - 744 W. Hastings St.
Holk	2589	12	May29/89	Vancouver, B.C.
Stamp #1	2746	15	Nov.18/89	
Gloria	3401	1	Nov.26/89	
R.C.G.				
Lot 258G				

The total area, correcting for overlap, is approximately 55 units or 1375 hectares.

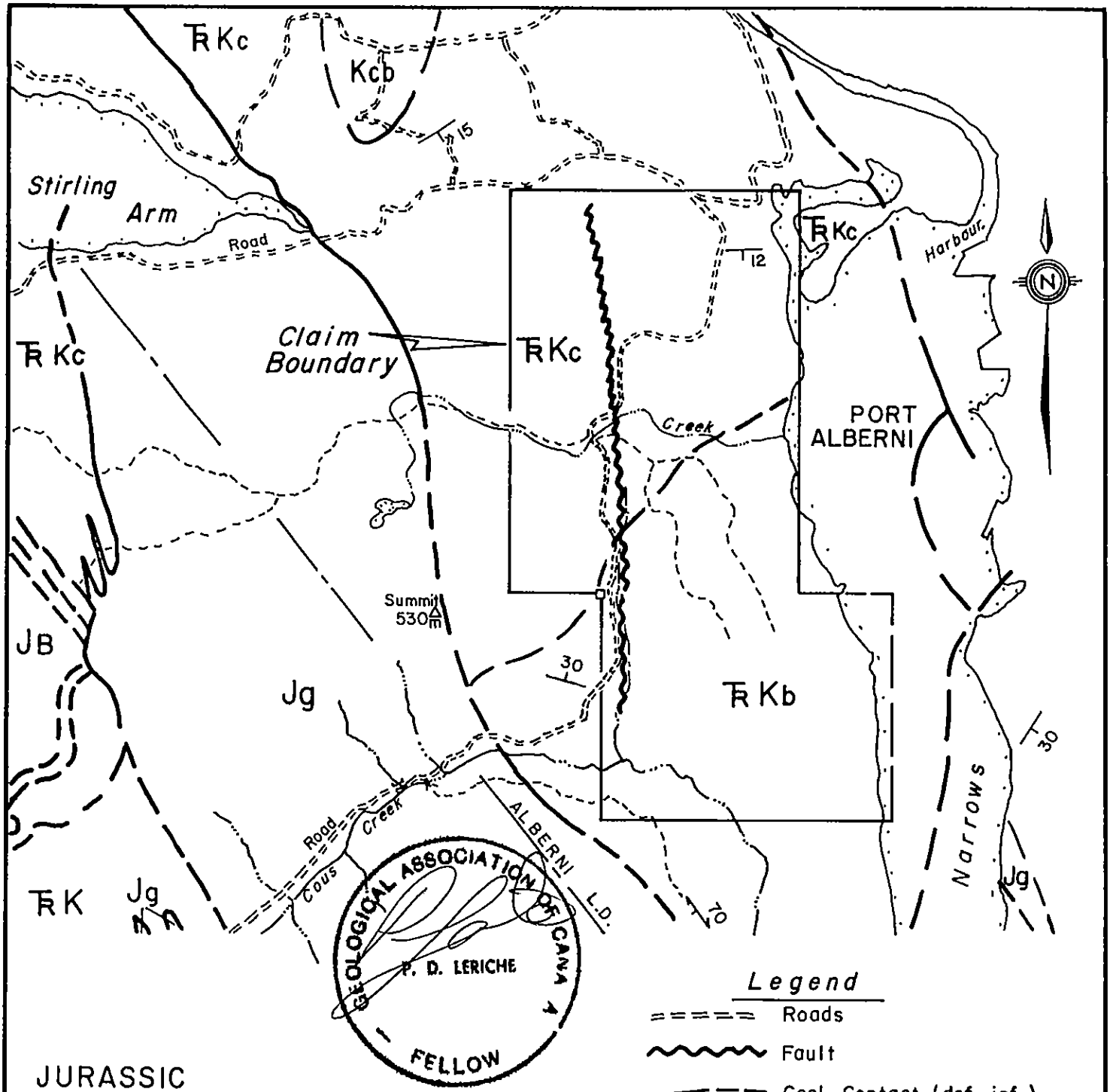
4. REGIONAL GEOLOGY (Figure 3) (after Hugo Laanela, 1987)

The Stamp claim group area is underlain by a sequence of Mesozoic volcanic and intrusive rocks, which have a NNW regional strike and dip westward.

The oldest rocks, found in the central part of the claims and striking NNW, are the upper Triassic or older Karmutsen Formation volcanics of the Vancouver Group. They consist of massive basaltic flows, pillow basalt and breccia, and minor tuff volcanic breccia.

Further west, approximately 7 kilometres from the western edge of the claim group, the volcanics are overlain by a belt of Quatsino Formation, mainly massive to thick bedded limestone, which, in turn, is succeeded by Parsons Bay Formation shale and argillite. These two formations are Upper Triassic in age and form the uppermost part of the Vancouver Group.

West of the Quatsino Formation, the Vancouver Group rocks are disconformably overlain by Lower Jurassic Bonanza Group, consisting of andesitic to dacitic volcanic rocks, including breccia, porphyry and tuffs, and minor intercalated beds of argillite and graywacke.



Legend

Roads

Fault

Geol. Contact (def.; inf.)

SCALE 1:50,000

0 500 1000 2000 3000 METRES

JURASSIC

Jg — Island intrusions : dioritic rocks; hybridized near contacts

JB — Bonanza Group : acid to basic volcanic lavas, tuffs, breccias with local interbedded siltstone argillite and graywacke

TRIASSIC

Vancouver Group :

TrKb,c — Karmutsen Fm - ferrotholeiite pillow lava suite with flows, tuffs & breccia

From : G.S.C. Open file 1272, sheet 7/10 ; after Sutherland, Brown, Yorath, Anderson and Dam

NAPIER EXPLORATIONS *INC.*

STAMP CLAIM GROUP

ALBERNI MINING DIVISION, B.C.

REGIONAL GEOLOGY

NTS : 92F/2W; 92F/7W	By : F.Y. Drn G.T.
Date. January 1988	Fig : 3

Ashworth Explorations Limited

Approximately .5 kilometres west of the claim group, the Vancouver Group rocks, mainly the Karmutsen Formation here, are penetrated by batholithic Island Intrusions of Jurassic age, ranging from granite to granodiorite to quartz diorite.

The Sicker Group rocks, oldest on the island, are not known to occur in the property area, although they are quite common east of the Alberni Inlet.

The youngest rocks in the area are the dacitic "feldspar porphyry" dykes, intruding the older rocks. These "later intrusives" are generally taken to be Tertiary in age (related to Sooke and/or Catface intrusions elsewhere on the island).

The main structural feature is a series of major NW to NNW trending faults affecting mainly the Vancouver Group rocks here. These faults were probably formed during the late Triassic time.

The Vancouver Group rocks, particularly the Karmutsen volcanics, are known to host several mineralized occurrences in the Alberni Inlet area. The following showings have been reported in the Cous Creek-Alberni Inlet area:

1. Cous Creek Showings(Skarn Claim), approximately 4 kilometres west of the western mid-point of the Stamp 3 claim, consist of massive sulphide lenses and pods in volcanics near the diorite contact. Later (Tertiary?) dykes are also present in the area (B.C.A.R. #6956, 1977, and #6393, 1977, et al).

2. Kola Showing, approximately 7 kilometres WSW of the SW corner of the Stamp 3 claim. Exploration discovered mineralization consisting of massive pods and lenses of pyrite and chalcopyrite associated with andesites of Karmutsen Formation; also, siliceous shear zones and sulphides associated with dacites were evident. Assays were reported to range up to 0.328 opt Au, 4.71 opt Ag and 29.2% Cu (Sookochoff, 1985; B.C.A.R. #101288, 1982 and #9913, 1981).

3. Rex Showing, at headwaters of Cous Creek, about 4 kilometres SSE of Kola Showing (above). Cu and Mo is reported (B.C.A.R. #1591, 1968; B.C.M.M., 1967, p. 77, et al).

4. Raven Prospect, (on the Stamp Claim Group) near west shore of Alberni Inlet, opposite the town of Port Alberni.

5. Dauntless Prospect, (Gloria Crown Grant 258G, part of the Stamp Claim Group), west side of Alberni Inlet near Stamp Narrows, approximately 2 kilometres south of the Raven Prospect.

6. B and K Prospect, (Crown Grant 136G), about 1 kilometre S of the Stamp 3 claim`s southern boundary and .5 kilometres W of the west coast of Alberni Inlet. A north-trending steeply dipping, 5 foot wide shear contains Cu mineralization with the reported estimated grade of 1%. This showing is also known as the Cous Creek Copper Showing (Laanela, et al, 1966).

7. Hayes Mine, a number of Crown Grants, some 18 kilometres S of Stamp 3 claim's southern boundary. Historically, it was the most productive property in the area. An intraformational limestone horizon host skarn-type mineralized zones up to 28 feet wide which contain magnetite, pyrite and chalcopyrite. There are no intrusive outcrops related to the skarn mineralization. It is also known as the Nahmint Mine (B.C.M.M., 1898, pp. 1131; 1901, p. 1095; 1906, p. H193).

5. HISTORY AND PREVIOUS WORK

"According to old B.C. Minister of Mines (B.C.M.M.) reports dating back to late 1800's much mining exploration and shipping of small amounts of ore has been carried out in the Alberni Inlet area since 1898. Some of the highlights concerning the properties are:

- The Hayes (Nahmint) Mine, some 18 kilometres to the south, reportedly shipped 2180 tons of ore during 1898 - 1902, yielding 328,245 lbs of Cu, 62 ozs Au and 2917 ozs Ag. It was closed in 1902.
- The original Cous Creek property, now the Skarn claim was discovered in 1972 and explored by Craigmont Mines in 1976 and Bethlehem Copper in 1977. Exploration work is continuing at the present in this area for skarn-type mineral deposits." (Laanela, 1987)

With respect to the Stamp Claim Group most of the past work and documentation has been completed on the Dauntless and Raven Prospects.

Dauntless Prospect (Minfile #168)

The Dauntless prospect is an old copper showing, located on the west coast of Alberni Inlet on the Gloria Crown Grant at Stamp Point (Figure 2). This showing was located when the fieldwork for this report was carried out in January and February 1988.

Reference to this prospect is first documented in B.C.M.M. Annual Report 1918 when a small shipment of sacked ore was made and an assay taken from the dump remaining. Results indicated trace Au and Ag and 2.2% Cu. In the 1924 B.C.M.M. Annual Report exploration work to date consisted of three open-cuts which were to test the two series of shear zones present. In the 1927 Annual

Report, it is mentioned that a shaft of 27 foot depth had been sunk. It appeared well mineralized with both pyrrhotite and chalcopyrite. The district geologist of the time felt the Dauntless was a most promising showing and a tunnel should be driven under the shaft to determine the extent of the ore-shoot. After the 1927 Report, it does not appear that significant additional work was completed as the 1931 Annual Report repeats the recommendations made in 1927.

Three shafts were sunk in a north-south line along the west coast of Alberni Inlet. They are located approximately 171, 295 and 362 metres south of the southeast corner of the Gloria Crown Grant. Little reference is made to these shafts in the literature. They were not located during the time spent on the property in 1988.

Raven Prospect (Minfile #155)

The Raven prospect is located approximately 200 metres west of the west coast of the Inlet, and 250 metres south of Hoik Island (Figure 2). The prospect was first documented in the B.C.M.M. Annual Report of 1898. Little work has been completed other than to expose three veins which produced undocumented values in copper and gold. This showing was located during the 1988 season.

Exploration work has been carried out on this claim group in the more recent past, beginning in 1960 by Cruikshank Explorations Ltd. Three diamond drill holes were completed. Hole #1 is located 19 metres south of the SE corner of the Gloria Crown Grant and 19 metres west of the west coast of Alberni Inlet. It was drilled at an angle of 45 degrees, S70 W. This 150 metre hole intersected

varying concentrations of chalcopyrite, at depth, from 62.5 to 143 metres. Hole #2 is approximately 380 metres S of the SE corner of the Gloria Crown Grant and 5 metres west of the Inlet`s west coast. The hole was drilled at 45 degrees, approximately west to a depth of 152 metres with minor amounts of chalcopyrite and pyrite observed. The third diamond drill hole, according to the present grid, should be located at approximately at L42N 4+50 E to a depth of 309 metres. It was drilled at 45 degrees, to the south to a depth of 309 metres, and intersected chalcopyrite at 80 to 83 metres and again at 86 to 89 metres. No assays were reported or shown to have been done.

In the 1961 field season, ground traverses were completed with recommendations made for the following year.

In 1962 several surveys were completed on the property following the recommendations made the previous year. These included the completion of a topo base map, survey control, ground mag survey, ground AF Mag survey, geological mapping, reconnaissance type I.P. and resistivity survey, followed by detailed survey, and investigation of the strongest I.P. anomaly by means of a diamond drill hole.

The radar magnetometer and AF Mag surveys revealed no significant anomalies. The geological mapping and study of petrographic thin sections revealed errors previously made in rock identification. It was determined that no sedimentary rocks were present. The I.P. survey, conducted using a 300 foot electrode configuration with some detail work at 100 foot spreads, revealed a weak anomalous zone in the northern part of the property. This zone is present

approximately 76 metres SSW of DDH #3 (approximately at L42N 4+50E), extending over approximately 305 metres. Diamond drill hole #4 was utilized to test the anomaly. The hole, the location of which is unknown, dipped 45 degrees to a depth of 350 feet to the west and contained minor amounts of sulphide at intervals from 43 to 49 metres and 67 to 73 metres. Assay results of the mineralized intersections contained .06 and .04 % Cu respectively.

Regional mapping and geochemical sampling surveys plus general prospecting were performed in the area west of Alberni Inlet in 1965 by Gunnex Limited. The area of the I.P. anomalies was prospected with only minor Cu mineralization noted (Laanela, 1966).

In 1983 a ground electromagnetic (EM-16 VLF) survey was performed by Gearex Engineering for International Phasor Telecom Ltd. The survey covered an area approximately 400 by 1000 metres in a NW trend over the current boundaries of the Stamp 2, Holk and Stamp 3 claims. Its purpose was to detect conductive zones which could indicate the presence of faults, fissures, or even massive sulphide zones. The results identified several conductive zones. These were thought to possibly correspond with the earlier I.P. anomalies but additional correlative work appears not to have been done.

A geological examination of the Holk and Stamp 1 claims was completed in 1986 for United Chieftain Resources Ltd. which involved mapping at a scale of 1:5000 metres. Results were consistent with earlier work completed in the area (Royer, 1986).

6. 1988 PROGRAM

6.1 SCOPE AND PURPOSE

During January and February 1988 a field crew consisting of two geologists and five geotechnicians completed a program of geological mapping and rock and soil sampling. The purpose of this program was:

a) to cover the entire property with a reconnaissance geochemical survey to define exploration targets.

b) to systematically map and sample known mineral showings.

6.2 METHODS AND PROCEDURES

A survey grid was laid out over 90% of the property to provide a control for geological mapping and soil sampling. The baseline tie-lines and cross-lines were surveyed using compass, hipchain and flagging. The baseline was cut at 360 degrees through the middle of the claims for 4600 metres. Cross-lines were put in at 200 metre spacings and sample stations were flagged and labelled at 50 metre intervals. Two tie-lines were surveyed at 10+00W and 10+00E. Total line surveyed in 1988 was 61.6 kilometres.

Geological mapping was performed at a scale of 1:10,000 (Figure 4). Detailed mapping of two of the showings was done at 1:100. A total of 64 rock samples were collected and analyzed for gold and multi-element ICP by Vangeochem Lab Ltd. See Appendix B for analytical reports and techniques.

The 1988 grid was soil sampled at 50 metre station spacings. The total number of samples taken was 1055. All samples were taken with a grub hoe from the B horizon (approximate depth 30 cm), placed into marked Kraft paper bags and sent

to Vangeochem Lab Ltd. for analysis. Samples were analyzed for gold and multi-element ICP (Appendix B). The lab results for three elements (Au, Cu, Zn) were computer-plotted on 1:10,000 scale maps (Figures 8, 10, 12). To evaluate any existing geochemical anomalies, frequency distribution histograms based on lab data were prepared for each of the aforementioned elements (Appendix C). Anomalous values were chosen using natural breaks in each histogram. For interpretation purposes, correlation coefficients were calculated (Appendix C) and anomalous ranges for each element were plotted using symbol maps (Figures 9, 11, 13). All statistical and plotting work was performed by Tony Clark Consulting Services.

7. RESULTS

7.1 PROPERTY GEOLOGY (Figure 4)

The following is based on geological mapping by one of the authors (Leriche) and Mr. Fayz Yacoub, B.Sc.

The entire property is underlain by andesitic volcanic rocks belonging to the Upper-Middle Triassic Karmutsen Formation. On the subject claims, the Karmutsen Formation consists of a 400 metre thick unit of aphanitic and porphyritic andesite flow rocks. These rocks are dark green-purple to dark gray in colour. The porphyritic rocks consist of 30% plagioclase feldspar in a fine-grained groundmass (70%). The presence of chlorite, hematite and amygdules (local) infilled with quartz, carbonate and chlorite indicates metamorphism to sub-greenschist facies.

A higher degree of alteration and metamorphism is found in the south-central part of the property. The volcanic rocks are yellow-brown (rusty) in colour with an increase in secondary minerals such as quartz (silicification), epidote, chlorite, sericite, pyrite and rusty iron oxides. Milky quartz veins, 30 cm wide, are common in this area.

Numerous pieces of angular granite and granodiorite float were found on the property, however none was observed in outcrop.

Structurally the property is dominated by a major north-south trending fault which transects the western part of the claim. Movement along the fault is not known. The age of faulting is also unknown but could be related to the Jurassic intrusive body located 1.0 kilometres to the west.

7.2 MINERALIZATION AND ROCK GEOCHEMISTRY

7.2.1 Geological Model

Mineralization on the subject claims is related to copper- and gold-bearing quartz veins emplaced along fractures or faults.

The fractures and faults were probably created during the emplacement of the large Jurassic intrusive pluton located immediately west of the subject claims. The Jurassic pluton could also have provided the heat source for silica-rich fluids which migrated up fractures.

Another possible heat source for the mineralizing solutions could be from Tertiary dacitic dykes that are known to occur in the area. Dacitic deykes commonly intrude the Karmutsen Formation on the Otter claims, 4 kilometres to

the west. Mr. Yacoub (field geologist) observed these dykes on the Stamp claims (>1.0 metres wide) associated with the more heavily altered volcanic rocks. These Tertiary dykes or sills can be mineralized, or appear in close proximity to mineralized zones. Evidence of this point is seen in the Mount McQuillan, Mount Spencer, and China Creek headwaters areas south of Port Alberni.

7.2.2 Showings

Devil's Den Showing (Figures 5 and 6)

Located at approximately 37+00N 8+00W, consisting of one shaft-pit (1.5 metres deep) and two open cuts. This showing is associated with the major north-south fault which transects the entire property.

The shaft area contains a dark gray andesite with 30% quartz-calcite veinlets. Three samples were taken from the shaft and dump. Results were not significant.

The southern-most open cut contains a 20 cm wide quartz vein, striking 110 degrees, with 10% pyrite and 1-2% chalcopyrite. One selected rock sample (R-56) taken from the vein assayed 4150 ppb (.12 oz/ton) gold and 2567 copper. The gold result was the highest found on the property

The eastern open cut also consists of a quartz vein (30 cm wide) disseminated with 2-3% pyrite. The select rock sample taken from this pit was anomalous in gold (125 ppb).

Raven Showing (Figure 5)

Located along L28+00N 5+00 to 6+00E, it consists of at least two 20 cm wide quartz veins striking at 180 and 230 degrees. Both veins contain 1% pyrite and lesser chalcopyrite.

Six select rock samples were taken from the quartz veins. Five of these samples assayed between 2404 ppm (.24%) and 6809 ppm (.68%) copper. Sample R-18 also was anomalous in silver (12.7 ppm) and gold (195 ppb).

Dauntless Showing (Figures 5 and 7)

The Dauntless workings are located along L4+00N 5+00E, consisting of an adit 16 metres long, an open cut and a shaft 8.0 metres deep.

The adit was drifted at 220 degrees, along 12.0 metres of quartz vein mineralized with up to 20% pyrite, 5% chalcopyrite and pyrrhotite. The vein is 60 cm wide at the entrance and pinches to 10 cm, 12 metres into the adit. The vein was systematically sampled by seven channel samples. The average copper assay was 16,698 ppm (1.7%). Silver was anomalous over the seven samples with an average value of 10.0 ppm (.30 oz/ton). One sample (R-38) yielded a gold value of 280 ppb. A selected sample (R36) taken from the adit dump, assayed 65,724 ppm (6.6%) Cu, 31.6 ppm (.92 oz/ton) Ag and 160 ppb Au.

Three select samples were taken from semi-massive dump rocks within an open cut. All three samples were high in copper, yielding results of 1321, 13,996 and 72,051 ppm (7.2%) copper.

7.2.3 Other Anomalies

Several other rock samples, unassociated with a known showing, were anomalous including:

- Sample R-59; 9+00N 2+35E; 195 ppb Au; select sample taken from a rusty andesitic volcanic with 5% disseminated pyrite.
- Sample R-49; 5+50N 4+80W; 125 ppb Au; chip sample taken across 30 cm of a vuggy quartz vein.
- Sample R-12; L28+00N 8+50W; 427 ppm Cu; select sample across 30 cm of iron-stained volcanic rock.
- Sample R-2; 44+80N 6+40W; 175 ppb Au; chip sample across a rusty shear zone.

7.3 GEOCHEMICAL SOIL SURVEY

7.3.1 Gold in Soil (Figures 8 and 9)

Range:	Not detected to 400 ppb
Mean:	5.30
Standard Deviation:	14.53
Anomalous:	15-25 ppb
High Anomalous:	25+ ppb

The symbol plot for gold shows gold anomalies to be scattered and spotty. One area showing a concentration of gold anomalies occurs from L22+00N 9+00W to L14+00N 10+00W. This area includes 11 anomalies over 25 ppb Au, plus the highest gold value of 400 ppb. These anomalies could be associated with the north-south trending fault which transects the property.

A higher concentration of gold anomalies is included in an area from 6+00N 6+00W to 0N 2+50W. This anomaly is open to the south and the west.

7.3.2 Copper in Soil (Figures 10 and 11)

Range:	6-693 ppm
Mean:	86.80
Standard Deviation:	53.33
Low Anomalous:	130-170 ppm
Anomalous:	170-200 ppm
High Anomalous:	200+ ppm

The symbol plot clearly shows two anomalous areas. The first cluster is centred around L30+00N 7+00E. This cluster includes five results over 200 ppm Cu. The southern part of this anomaly correlates with the copper-bearing quartz veins of the Raven showing.

The second anomalous area is a large zone encompassing the entire south part of the survey grid from 10+00N south. Non-anomalous gaps exist, however the area shows a general high concentration of copper anomalies. The anomalies remain open to the south and west. The east part of the anomaly correlates with the Dauntless Showing. The west part of the anomaly (6+00N 5+00W) shows a weak correlation with an anomalous gold cluster.

The correlation matrix (Appendix C) shows significant correlations with bismuth, cobalt, chromium and nickel.

7.3.3 Zinc in Soil (Figures 12 and 13)

Range:	13-1262 ppm
Mean:	78.54
Standard Deviation:	49.19
Low Anomalous:	110-130 ppm
Anomalous:	130-150 ppm
High Anomalous:	150+ ppm

Zinc anomalies are spread out and spotty, however three anomalous areas are interpreted. The first area is centred around L30+00N 7+00E. The anomaly includes the Raven showing and extends 400 metres to the north. Five results were over 150 ppm. The anomaly also correlates with a copper anomaly.

The second anomalous cluster occurs from L44+00N 6+00E to L38+00N 7+00E.

This anomaly includes four results over 150 ppm Zn. The highest zinc result of 1262 ppm Zn occurs as a spot high at L42+00N 3+00W.

The third area of scattered zinc anomalies is in the southern part of the grid. This area correlates with the large copper anomaly.

Zinc shows significant correlation with barium, cadmium, cobalt, manganese and nickel.

7.4 DISCUSSION OF RESULTS

The 1988 geological and geochemical surveys have delineated three main areas that will require follow-up exploration work.

Devil's Den Area (37+00N 8+00W)

A 20 cm wide quartz vein mineralized with pyrite and chalcopyrite assayed up to 4150 ppb (.12 oz/ton) gold and 2567 ppm copper. This showing is associated with a north-south trending fault.

Raven Area (28+00N 5+50E)

Two 20 cm wide quartz veins mineralized with pyrite and chalcopyrite were sampled and found to be anomalous in copper (2404 to 6809 ppm), silver (one sample, 12.7 ppm) and gold (one sample, 195 ppb).

Both copper and zinc are anomalous in soils over the showing. The anomaly in zinc and copper extends 400 metres north of the Raven showing, which could mean the veins continue to the north.

Southern Grid Area

This area is defined by copper, zinc and gold soil anomalies that encompass an area from approximately L10+00N to the southern boundary of the survey grid. The anomaly remains open to the south.

The 1988 rock sampling from a 10 to 60 cm wide and 12 metre long quartz vein yielded an average copper value of 16,698 ppm (1.7%) copper, with anomalous silver and gold. Select samples from dump material assayed up to 72,051 ppm (7.2%) copper. (The area to the west of the Dauntless showing is underlain by strongly altered andesite volcanics with up to 5% disseminated pyrite.) Anomalous soil geochemistry in this area infers that the vein may continue along strike or that there could be other mineralized veins.

Several other soil geochemical anomalies exist that should undergo follow-up work. These include a gold anomaly from L22+00N 9+00W to L14+00N 10+00W and a zinc anomaly from L44+00N 6+00E to L38+00N 7+00E.

The 1988 soil survey was designed to test the entire property with reconnaissance coverage. Line spacings were 200 metres. Additional fill-in lines at 100 or 50 metres will be required to better define the current anomalies.

8. CONCLUSIONS

Both writers conclude that the Stamp Claim Group has good potential for hosting an economic copper-gold vein deposit for the following reasons:

- The geological environment (fractured volcanic rocks in contact with an intrusive pluton) is favourable for hosting mineralized quartz veins.
- Economic grade copper mineralization with associated silver and gold anomalies has been found on the Dauntless and Raven Showings. The Dauntless Showing saw a small amount of production during the 1920's. Geochemical soil sampling indicates that both the Dauntless and Raven veins may continue along strike.
- An economic grade gold value (.12 oz/ton) was obtained from a quartz vein in the Devil's Den workings.

For these reasons further exploration work is warranted and recommended.

9. RECOMMENDATIONS

Phase II

1) Lay out approximately 35 kilometres of additional grid. The grid should be extended to the southern boundary of the claims at 100 metre line spacings. Fill-in lines should be put in at 100 metre line spacings from L10+00N to L0 and from L26+00N to L34+00N.
2) Soil sample the new grid at 50 metre stations to better delineate the soil anomalies found on the south grid area (Dauntless) and the Raven area.
3) Perform a magnetometer and VLF-EM survey on the new grid. This survey, in conjunction with soil surveys, would be useful for delineating future trenching and drill targets.
4) Geologically map and sample the new grid in detail.
5) All three showings should be blasted along strike to increase the strike length. The veins need to be better exposed on the Raven and Devil's Den showings to aid in a systematic sampling survey.

Phase III

Phase III is contingent upon targets being established from Phase II. It would consist of backhoe trenching and diamond drilling to test the surface mineralization at depth.

10. PROPOSED BUDGETS

10.1 PROPOSED BUDGET PHASE II

(One Geologist, Three Geotechnicians, One Blaster, One Geophysical Operator; 10 Field Days)

Project Preparation			$ 1000
Mob/Demob			$ 1800
Field Crew			$ 12,450
Field Costs			$ 8,250
Geophysics:			
Magnetometer and VLF-EM Survey			$ 12,600
Lab Analysis:			
Say 600 soil samples @ $14/sample	$ 8,400		
Say 50 rock samples @ $18/sample	$ 900		
			$ 9,300
Supervision and Report			$ 6,750
Sub-total			$ 52,150
Administration 15%			$ 7,822
Total			$ 59,972
		(Say	$ 60,000)

10.2 PROPOSED BUDGET PHASE III

(One geologist, One Geotechnician; 15 Field Days)

Project Preparation		$ 1,200
Mob/Demob		$ 950
Field Crew		$ 10,660
Field Costs		$ 7,185
Backhoe		$ 6,400
Diamond Drilling: 600 metres X $100/metre (all inclusive)		$ 60,000
Lab Analysis: Say 300 rock and core samples @ $18/sample		$ 5,400
Supervision and Report		$ 7,600
Sub-total		$ 99,395
Administration 15%		$ 14,909
Total		$ 114,304
	(Say	$ 115,000)

Respectfully submitted,

Peter D. Leriche
B.Sc., F.G.A.C.

GEOLOGICAL ASSOCIATION OF CANADA
P. D. LERICHE
FELLOW

REFERENCES

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CERTIFICATE

I, PETER D. LERICHE, of 3612 West 12th Avenue, Vancouver, B.C., V6K 2R7, do hereby state that:

1. I am a graduate of McMaster University, Hamilton, Ontario, with a Bachelor of Science Degree in Geology, 1980

2. I am a Fellow in good standing with the Geological Association of Canada.

3. I have actively pursued my career as a geologist for nine years in British Columbia, Ontario, Yukon and Northwest Territories, Arizona, Nevada and California.

4. The information, opinions, and recommendations in this report are based on fieldwork carried out under my direction, and on published and unpublished literature. I was present on the subject property from January 24 to 26, 1988.

5. I have no interest, direct or indirect, in the subject claims or the securities of Napier Explorations Inc.

6. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

ASHWORTH EXPLORATIONS LIMITED

GEOLOGICAL ASSOCIATION OF CANADA
P. D. LERICHE
FELLOW

Peter D. Leriche, B.Sc., F.G.A.C.

Dated at Vancouver, June 29, 1988

CERTIFICATE

I, JANET M. STRITYCHUK HOPKINS, of 2862 Banbury Avenue, Coquitlam, B.C., V3B 5H2, do hereby state that:

1. I am a graduate of Laurentian University, Sudbury, Ontario, with a Honours Bachelor of Science Degree in Geology, 1981.

2. I am a full member of the Canadian Institute of Mining and Metallurgy and an Associate of the Geological Association of Canada.

3. I have been employed as a geologist in Ontario, Quebec and British Columbia.

4. The information, opinions, and recommendations in this report are based on published and unpublished literature and results of fieldwork carried out on the subject property from January 22 to February 1, 1988.

5. I have no interest, direct or indirect, in the subject claims or the securities of Napier Explorations Inc.

6. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

ASHWORTH EXPLORATIONS LIMITED

Janet M. Stritychuk Hopkins, Hons.B.Sc.

Dated at Vancouver, June 29, 1988

STAMP CLAIM GROUP

Itemized Cost Statement

Project Preparation		$ 1,000.00
Mob/Demob (includes transportation, freight and wages)		2,000.00
Field Crew		
Project Geologist $325/day X 9 days	$ 2,925.00	
Party Chief $250/day X 10 days	2,500.00	
4 Geotechnicians $210/day X 40 mandays	8,400.00	$ 13,825.00
Field Costs		
Food and Accommodation $70/day X 59 mandays	$ 4,130.00	
Communications	500.00	
Supplies	1,000.00	
Two 4X4 trucks $110/day X 20 days	2,200.00	$ 7,830.00
Lab Analysis		
1055 soil samples (Geochem/AA Au, Multi-element ICP)@ $12.85/sample	$ 13,556.75	
64 rock samples(Fire Assay/AA Au, Multi-element ICP)@ $17/sample	1,088.00	$ 14,644.75
Supervision and Report		$ 12,260.00
Sub-total		$ 51,559.75
Administration 15%		7,734.00
Total		$ 59,293.75

APPENDIX A

ROCK SAMPLE DESCRIPTIONS

STAMP PROJECT

ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	KIND OF SAMPLE	DESCRIPTION	WIDTHS
ST88 R-1	Float	Vuggy quartz(qtz) vein material. No sulphides.	Float
ST88 R-2	Chip	Altered shear zone of volcanic rock, rusty, strike 250 degrees, dipping 75 NW.	60 cm
ST88 R-3	Chip	Shear zone of volcanic rock, strike 220 degrees and vertical, no visible sulphides.	60 cm
ST88 R-4	Chip	Altered, shear volcanic zone, 30% quartz crystals, Fe oxide, rusty with no mineralization.	30 cm
ST88 R-5	Chip	Shear zone, strike 230 degrees and vertical, 1-2% disseminated pyrite(py), leached & friable to middle of zone.	30 cm
ST88 R-6	Chip	Another shear zone, strike 335 degrees, diss. py, rusty.	60 cm
ST88 R-7	Select	Silicified volcanic zone, qtz stringers, strike 280 degrees, no metallic minerals.	
ST88 R-8	Chip	Altered, silicified zone, strike 280 degrees, dip 80 degrees S, Fe oxide, no metallic minerals, 36 m S of R-7.	50 cm
ST88 R-9	Chip	Rusty volcanic zone, no sulphides, 154 m S of R-7.	15 cm
ST88 R-10	Chip	Rusty, altered zone of volcanic rock, vuggy qtz, Fe staining.	60 cm
ST88 R-11	Chip	Acidic rhyolitic rock, Fe staining, diss. py.	30 cm
ST88 R-12	Chip	Small altered zone of volcanic rocks, vesicular with qtz crystals, Fe stained.	30 cm
ST88 R-13	Chip	Acidic volcanic rock, Fe stained on surface, diss. py.	30 cm

SAMPLE NO.	KIND OF SAMPLE	DESCRIPTION	WIDTH
ST88 R-14	Float	Qtz vein material, reddish, diss. py, Fe oxide, trace chalcopyrite(cp).	Float
ST88 R-15	Chip	Qtz vein strike 180 degrees dipping 80 degrees N, Cu staining, diss. py and cp.	20 cm
ST88 R-16	Float	Qtz vein material, 1 m from R-15 at 90 metre elevation.	Float
ST88 R-17	Select	Possible outcrop of qtz vein, diss. py and cp, Cu staining, reddish.	Possible outcrop
ST88 R-18	Float	Qtz vein, reddish and rusty, diss. py, Cu staining, 65 m elevation, 10 m NE of R-17.	Float
ST88 R-19	Chip	Rusty volcanic zone, minor py, crystalline qtz along shear planes, epidote close to shear zones.	400 cm
ST88 R-20	Float	Altered volcanic rock, strong epidote and minor calcite crystals.	Float
ST88 R-21	Select	Qtz vein striking 230 degrees and vertical, diss. py, Fe and Cu staining, reddish.	Possible outcrop
ST88 R-22	Float	Amygdaloidal qtz vein material with Fe staining, no sulphides.	Float
ST88 R-23	Chip	Qtz vein striking 265 degrees and vertical, diss. py and minor diss. cp.	20 cm
ST88 R-24	Float	Qtz vein material, abundant sulphides mainly py and cp.	Float
ST88 R-25	Chip	Qtz vein, diss. py, minor cp, intruded into aphanitic volcanic rock along fault or shear zone; vein strikes 205 degrees	30 cm (the South shear zone)
ST88 R-26	Chip	Silicified, rusty shear zone striking 215 degrees, no obvious mineralization.	60 cm
ST88 R-27	Chip	Rusty shear zone of acidic volcanic rock, striking 240 degrees dipping 80 degrees SE, no mineralization.	300 cm

SAMPLE NO.	KIND OF SAMPLE	DESCRIPTION	WIDTH
ST88 R-28	Float	Silicified volcanic, 30% porphyritic plagioclase in fine groundmass, secondary qtz with minor py.	Float
ST88 R-29	Chip	Silicified volcanic zone with crystalline qtz, minor epidote, no sulphides.	30 cm
ST88 R-30	Chip	Shear zone of dacitic volcanic rock, hematitic, rusty zone with no visible sulphides.	60 cm
ST88 R-31	Chip	Shear zone, abundant hematite and Fe oxide.	30 cm
ST88 R-32	Float	Qtz float, vesicular and vuggy, hematitic with minor py.	Float
ST88 R-33	Select	Rusty, weather dump sample of massive and diss. py, cp in light gray qtz material, minor hematite. (Open pit)	Dump (258G)
ST88 R-34	Select	Dump sample of massive and diss. py, cp, in light gray qtz material, minor hematite. (Open pit)	Dump (258G)
ST88 R-35	Select	Dump sample of massive and diss. py, cp, Cu staining in qtz-calcite vein material. (Open pit)	Dump (258G)
ST88 R-36	Select	Dump sample from the adit portal, massive and diss. sulphides(mainly py and cp with approx. 5% Cu staining).	Dump (258G)
ST88 R-37	Chip	Silicified volcanic, 10 to 20% py, Cu staining, qtz veinlets, diss. sulphides.	20 cm
ST88 R-38	Channel	Qtz vein loaded with py, cp and Cu staining, strike 240 degrees, dipping 60 degrees SE.	60 cm
ST88 R-39	Channel	Above qtz vein, 20% py, 5% cp, Cu staining, strike 240 degrees, dipping 60 degrees SE	45 cm (258G)
ST88 R-40	Channel	Above qtz vein, Cu staining, less py and cp than before.	30 cm (258G)
ST88 R-41	Channel	Vein pinching somewhat, again less py, cp and Cu staining.	20 cm (258G)

SAMPLE NO.	KIND OF SAMPLE	DESCRIPTION	WIDTH
ST88 R-42	Channel	Above qtz vein, less mineralization.	20 cm (258G)
ST88 R-43	Channel	Above qtz vein, less py, cp, no Cu staining.	15 cm (258G)
ST88 R-44	Chip	Wallrock sample adjacent to qtz vein and near sample location R042, py, less cp, some malachite.	20 cm (258G)
ST88 R-45	Chip	Yellowish, rusty shear zone by shore, no sulphides	30 cm
ST88 R-46	Chip	Rhyolitic volcanic shear zone, strike 290 degrees, dipping 80 degrees S, no obvious mineralization.	300 cm
ST88 R-47	Chip	Rusty, altered volcanic rock, no sulphides	200 cm
ST88 R-48	Chip	Altered volcanic zone, yellowish, Fe stained, no sulphides.	300 cm
ST88 R-49	Channel	Vuggy, barren qtz vein, strike 355 degrees, dipping 75 degrees E, exposed for 25 metres in altered volcanic rocks.	30 cm
ST88 R-50	Channel	Qtz vein as R-49, no sulphides, strike 120 degrees, exposed for 1 m.	20 cm
ST88 R-51	Chip	Altered volcanic rock, no mineralization.	30 cm
ST88 R-52	Float	Qtz vein material, barren with Cu staining, no sulphides.	Float
ST88 R-53	Select	Sample from dump near shaft at L35N 8+50W, gray altered volcanic andesite, 30% qtz-calcite veinlets, minor epidote, no obvious sulphides.	Dump
ST88 R-54	Select	As R-53.	Dump
ST88 R-55	Chip	Volcanic andesite with qtz-calcite veinlets, Fe staining, no sulphides, from inside shaft.	30 cm
ST88 R-56	Chip	Qtz vein, diss. py 10%, Cu staining, 1 to 2% cp, striking 110 degrees, vertical dip, 35 m SW of above shaft.	20 cm

SAMPLE NO.	KIND OF SAMPLE	DESCRIPTION	WIDTH
ST88 R-57	Chip	Qtz vein strike 50 degrees with vertical dip, intruded into sheared zone of volcanic rocks, 2 to 3% diss. py.	30 cm
ST88 R-58	Chip	Altered volcanic rock, diss. py, minor epidote.	30 cm
ST88 R-59	Chip	Altered volcanic andesite, 5% py, minor epidote.	30 cm
ST88 R-60	Chip	Altered volcanic rock, qtz-calcite veinlets, diss. py, Fe oxide, considerable amount of epidote, yellowish-brown colour due to alteration.	500 cm
ST88 R-61	Select	Rusty volcanic outcrop, calcite veinlets, kaolinite, yellowish colour due to alteration.	
ST88 R-62	Float	Qtz vein material, vuggy with Fe oxide and kaolinite in cavities.	Float
ST88 R-63	Float	As R-62.	Float
ST88 R-64	Select	Yellowish, rusty volcanic shear zone, taken from bottom of creek, no obvious sulphides.	30 cm

APPENDIX B

ANALYTICAL REPORTS AND ANALYTICAL TECHNIQUES

Report # 880135 64 rock samples
Report # 880136 1055 soil samples

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE
NORTH VANCOUVER, B C V7P 2S3
(604) 986 5211 TELEX 04-352578

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C. V5L 1L6
(604) 251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: Mez. Floor, 744 W. Hastings St.
: Vancouver, B.C.
: V6C 1A5

DATE: Mar 18 1988
REPORT#: 880135 GA
JOB#: 880135

PROJECT#: STAMP 181
SAMPLES ARRIVED: Feb 03 1988
REPORT COMPLETED: Mar 18 1988
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 880135 NA
TOTAL SAMPLES: 64
SAMPLE TYPE: 64 Rock
REJECTS: SAVED

SAMPLES FROM: Vancouver office.
COPY SENT TO: All copies sent to Vancouver office.

PREPARED FOR: Mr. Peter Leriche

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver office.

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE
NORTH VANCOUVER, B C V7P 2S3
(604) 986-5211 TELEX 04-352578

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B.C V5L 1L6
(604) 251-5656

REPORT NUMBER: 880135 GA JOB NUMBER: 880135 ASHWORTH EXPLORATION LTD.

SAMPLE #	Au ppb
ST 88 R - 1 ✓	20
ST 88 R - 2	175
ST 88 R - 3	20
ST 88 R - 4	115
ST 88 R - 5	nd
ST 88 R - 6	10
ST 88 R - 7	nd
ST 88 R - 8	10
ST 88 R - 9	nd
ST 88 R - 10	30
ST 88 R - 11	20
ST 88 R - 12	nd
ST 88 R - 13	nd
ST 88 R - 14	15
ST 88 R - 15	nd
ST 88 R - 16	40
ST 88 R - 17	60
ST 88 R - 18	195
ST 88 R - 19	nd
ST 88 R - 20	nd
ST 88 R - 21	50
ST 88 R - 22	nd
ST 88 R - 23	50
ST 88 R - 24	20
ST 88 R - 25	50
ST 88 R - 26	nd
ST 88 R - 27	nd
ST 88 R - 28	nd
ST 88 R - 29	nd
ST 88 R - 30	10
ST 88 R - 31	nd
ST 88 R - 32	15
ST 88 R - 33	10
ST 88 R - 34	130
ST 88 R - 35	40
ST 88 R - 36	160
ST 88 R - 37	nd
ST 88 R - 38	280
ST 88 R - 39	65
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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NORTH VANCOUVER, B C V7P 2S3
(604) 986-5211 TELEX 04-352578

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
ST 88 R - 40	85
ST 88 R - 41	10
ST 88 R - 42	25
ST 88 R - 43	30
ST 88 R - 44	10
ST 88 R - 45	nd
ST 88 R - 46	5
ST 88 R - 47	nd
ST 88 R - 48	30
ST 88 R - 49	125
ST 88 R - 50	nd
ST 88 R - 51	15
ST 88 R - 52	10
ST 88 R - 53	90
ST 88 R - 54	25
ST 88 R - 55	65
ST 88 R - 56	4150
ST 88 R - 57	125
ST 88 R - 58	nd
ST 88 R - 59	195
ST 88 R - 60	nd
ST 88 R - 61	nd
ST 88 R - 62	nd
ST 88 R - 63	10
ST 88 R - 64	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B C V5L 1L6
(604) 251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: Mez. Floor, 744 W. Hastings St.
: Vancouver, B.C.
: V6C 1A5

DATE: Mar 18 1988
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JOB#: 880135

PROJECT#: STAMP 181
SAMPLES ARRIVED: Feb 03 1988
REPORT COMPLETED: Mar 18 1988
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 880135 NA
TOTAL SAMPLES: 64
SAMPLE TYPE: 64 Rock
REJECTS: SAVED

SAMPLES FROM: Vancouver office.
COPY SENT TO: All copies sent to Vancouver office.

PREPARED FOR: Mr. Peter Leriche

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver office.

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
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(604) 251-5656

REPORT NUMBER: 880135 GA JOB NUMBER: 880135 ASHWORTH EXPLORATION LTD.

SAMPLE #	Au ppb
ST 88 R - 1	20
ST 88 R - 2	175
ST 88 R - 3	20
ST 88 R - 4	115
ST 88 R - 5	nd
ST 88 R - 6	10
ST 88 R - 7	nd
ST 88 R - 8	10
ST 88 R - 9	nd
ST 88 R - 10	30
ST 88 R - 11	20
ST 88 R - 12	nd
ST 88 R - 13	nd
ST 88 R - 14	15
ST 88 R - 15	nd
ST 88 R - 16	40
ST 88 R - 17	60
ST 88 R - 18	195
ST 88 R - 19	nd
ST 88 R - 20	nd
ST 88 R - 21	50
ST 88 R - 22	nd
ST 88 R - 23	50
ST 88 R - 24	20
ST 88 R - 25	50
ST 88 R - 26	nd
ST 88 R - 27	nd
ST 88 R - 28	nd
ST 88 R - 29	nd
ST 88 R - 30	10
ST 88 R - 31	nd
ST 88 R - 32	15
ST 88 R - 33	10
ST 88 R - 34	130
ST 88 R - 35	40
ST 88 R - 36	160
ST 88 R - 37	nd
ST 88 R - 38	280
ST 88 R - 39	65
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE
NORTH VANCOUVER, B C V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
ST 88 R - 40	85
ST 88 R - 41	10
ST 88 R - 42	25
ST 88 R - 43	30
ST 88 R - 44	10
ST 88 R - 45	nd
ST 88 R - 46	5
ST 88 R - 47	nd
ST 88 R - 48	30
ST 88 R - 49	125
ST 88 R - 50	nd
ST 88 R - 51	15
ST 88 R - 52	10
ST 88 R - 53	90
ST 88 R - 54	25
ST 88 R - 55	65
ST 88 R - 56	4150
ST 88 R - 57	125
ST 88 R - 58	nd
ST 88 R - 59	195
ST 88 R - 60	nd
ST 88 R - 61	nd
ST 88 R - 62	nd
ST 88 R - 63	10
ST 88 R - 64	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: ASHWORTH EXPL
ATTENTION:
PROJECT: STAMP 181

REPORT#: 880135PA
JOB#: 880135
INVOICE#: 880135NA

DATE RECEIVED: 88/02/03
DATE COMPLETED: 88/02/12
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST 88 R- 1	.1	4.79	ND	ND	24	ND	.10	.8	34	184	11	5.93	.02	3.92	1407	ND	.01	103	.02	9	ND	ND	ND	ND	4	ND	ND	104
ST 88 R- 2	.1	.51	218	ND	7	ND	.37	.1	17	129	47	2.56	.09	.27	350	6	.01	39	.02	13	ND	ND	ND	ND	8	ND	ND	37
ST 88 R- 3	.1	.30	88	ND	11	ND	7.32	.1	10	28	24	3.68	.01	2.32	892	ND	.01	25	.03	9	ND	ND	ND	ND	83	ND	ND	51
ST 88 R- 4	.2	.31	268	ND	12	ND	.20	.1	20	71	204	3.79	.09	.08	733	1	.01	36	.02	31	ND	ND	81	ND	4	ND	ND	167
ST 88 R- 5	.1	.34	46	ND	6	ND	12.51	.1	11	33	15	3.56	.01	2.35	1050	ND	.01	33	.03	5	ND	ND	ND	ND	95	ND	ND	28
ST 88 R- 6	.1	.62	5044	ND	18	ND	2.74	.1	19	20	118	3.84	.05	1.06	554	ND	.01	33	.05	11	ND	ND	151	ND	45	ND	ND	53
ST 88 R- 7	.1	.16	743	ND	7	ND	4.94	.1	9	57	39	2.72	.01	1.40	654	ND	.01	32	.01	44	ND	ND	ND	ND	54	ND	ND	35
ST 88 R- 8	.1	.24	30	ND	34	ND	10.22	.4	26	23	90	5.04	.01	2.87	1142	ND	.01	69	.03	12	ND	ND	12	ND	134	ND	ND	77
ST 88 R- 9	.1	.14	13	ND	84	ND	12.64	.4	17	22	95	5.43	.01	3.99	1383	ND	.01	54	.01	10	ND	ND	20	ND	165	ND	ND	85
ST 88 R- 10	.1	.25	89	ND	10	ND	11.52	.1	14	39	308	4.85	.01	3.48	1028	ND	.01	44	.01	5	ND	ND	146	ND	111	ND	ND	83
ST 88 R- 11	.1	.33	85	ND	8	ND	6.99	.1	18	83	89	4.01	.01	2.22	1037	1	.01	56	.01	25	ND	ND	17	ND	76	ND	ND	82
ST 88 R- 12	.5	2.77	ND	ND	8	ND	3.41	.1	22	52	427	2.50	.02	.96	558	ND	.01	48	.02	4	ND	ND	ND	ND	28	ND	ND	29
ST 88 R- 13	.1	.95	335	ND	19	ND	5.15	.1	49	30	13	9.22	.02	2.36	1192	21	.01	103	.06	17	ND	ND	ND	ND	67	ND	ND	63
ST 88 R- 14	.1	.36	34	ND	13	ND	.11	.2	14	94	17	2.63	.08	.07	1049	ND	.01	27	.02	13	ND	ND	ND	ND	2	ND	ND	27
ST 88 R- 15	1.3	1.35	9	ND	13	4	.69	.7	42	48	2404	3.98	.06	1.03	546	ND	.01	68	.04	11	ND	ND	ND	ND	6	ND	ND	67
ST 88 R- 16	1.4	2.51	ND	ND	21	ND	.35	.7	55	70	2618	5.81	.05	1.94	819	ND	.01	105	.05	24	ND	ND	ND	ND	5	ND	ND	80
ST 88 R- 17	6.1	2.29	ND	ND	35	7	.44	1.7	88	70	6809	8.99	.05	1.59	841	4	.01	329	.04	25	ND	ND	ND	ND	15	ND	ND	267
ST 88 R- 18	12.7	3.67	262	ND	16	ND	2.33	1.1	68	59	6253	10.44	.03	2.46	1158	8	.01	191	.02	41	ND	ND	ND	ND	9	ND	ND	149
ST 88 R- 19	2.6	2.50	ND	ND	16	10	1.29	.5	42	47	224	5.88	.04	1.92	707	1	.01	75	.07	24	ND	ND	ND	7	76	ND	ND	90
ST 88 R- 20	1.3	1.51	ND	ND	4	ND	2.07	.1	22	77	52	2.06	.05	.80	300	2	.01	34	.03	10	ND	ND	ND	4	135	ND	ND	33
ST 88 R- 21	7.2	2.99	8	ND	10	5	.19	1.3	54	99	4090	8.00	.07	2.12	1094	6	.01	105	.03	23	ND	ND	6	ND	5	ND	ND	115
ST 88 R- 22	.7	1.79	4	ND	1	ND	.09	.4	19	84	87	3.61	.08	1.08	417	1	.01	23	.01	21	ND	ND	ND	ND	1	ND	ND	30
ST 88 R- 23	.7	1.55	91	ND	30	8	.50	.6	103	115	1185	9.15	.08	.73	281	4	.01	73	.01	31	ND	ND	ND	ND	9	ND	ND	21
ST 88 R- 24	.1	3.22	33	ND	2	ND	.09	.9	78	68	1428	8.23	.07	1.80	551	4	.01	56	.02	24	ND	ND	ND	ND	2	ND	ND	47
ST 88 R- 25	.5	.55	233	ND	3	ND	.25	.1	19	174	132	2.74	.09	.28	173	8	.01	42	.02	14	ND	ND	ND	ND	4	ND	ND	16
ST 88 R- 26	.1	2.51	45	ND	45	ND	.19	.5	37	138	76	6.88	.08	1.26	2141	2	.01	89	.04	22	ND	ND	ND	ND	8	ND	ND	62
ST 88 R- 27	.3	1.02	11	ND	14	ND	.12	.4	21	103	13	3.46	.09	.30	959	1	.01	45	.02	17	ND	ND	ND	ND	4	ND	ND	42
ST 88 R- 28	.1	1.53	40	ND	19	ND	2.92	.2	25	120	38	4.17	.05	1.29	857	6	.01	74	.02	12	ND	ND	ND	ND	26	ND	ND	77
ST 88 R- 29	.8	1.68	ND	ND	7	ND	1.70	.1	15	89	41	1.45	.07	.52	343	2	.01	37	.02	7	ND	ND	ND	ND	37	ND	ND	14
ST 88 R- 30	.1	.73	76	ND	67	ND	3.45	1.4	40	83	94	6.51	.05	1.57	1042	ND	.01	88	.03	571	ND	ND	18	ND	39	ND	ND	205
ST 88 R- 31	.3	.31	68	ND	25	ND	.27	1.0	10	73	50	3.65	.09	.11	1035	2	.01	74	.01	33	ND	ND	5	ND	4	ND	ND	253
ST 88 R- 32	.6	.06	65	ND	3	ND	.04	.1	3	144	9	.99	.09	.02	193	6	.01	14	.01	9	ND	ND	ND	ND	1	ND	ND	18
ST 88 R- 33	2.2	3.37	52	ND	11	ND	.24	1.0	95	43	1321	15.39	.07	1.62	650	1	.01	120	.02	40	3	ND	6	ND	10	ND	ND	19
ST 88 R- 34	9.5	.83	121	ND	1	ND	.02	5.1	127	96	72051	11.13	.07	.37	181	23	.01	60	.01	3	ND	ND	ND	ND	ND	ND	ND	72
ST 88 R- 35	5.2	.72	34	ND	1	11	.28	1.2	41	80	13996	4.78	.08	.36	181	10	.01	26	.01	11	ND	ND	ND	ND	1	ND	ND	25
ST 88 R- 36	31.6	.52	213	ND	2	ND	.01	7.7	86	122	65724	9.87	.07	.24	118	11	.01	54	.01	3	ND	ND	ND	ND	ND	ND	ND	255
ST 88 R- 37	.7	5.79	ND	ND	5	ND	.34	1.2	57	44	956	16.12	.06	3.06	1085	ND	.01	103	.04	42	3	ND	8	ND	9	ND	ND	37
ST 88 R- 38	14.8	2.47	282	ND	1	ND	.12	2.8	183	77	42385	11.48	.06	1.31	487	14	.01	66	.01	3	ND	ND	ND	ND	2	ND	ND	123
ST 88 R- 39	26.1	1.79	80	ND	1	12	.06	1.9	86	49	18608	5.55	.07	.95	412	6	.01	81	.01	13	ND	ND	ND	ND	1	ND	ND	75
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST 88 R- 40	10.1	2.55	105	ND	3	13	.10	3.1	129	63	17294	11.34	.04	1.24	515	3	.01	76	.01	20	ND	ND	ND	ND	3	ND	ND	127
ST 88 R- 41	3.6	4.87	ND	ND	5	10	.37	1.4	109	61	5206	10.99	.04	2.76	1025	1	.01	81	.04	17	ND	ND	3	ND	12	ND	ND	93
ST 88 R- 42	8.6	4.29	ND	ND	6	17	.29	1.4	95	44	20823	10.40	.03	2.17	809	3	.01	80	.03	9	ND	ND	3	ND	18	ND	ND	67
ST 88 R- 43	2.2	3.13	180	ND	2	11	.08	.8	135	43	13302	14.45	.04	1.56	607	2	.01	97	.01	29	ND	ND	ND	ND	2	ND	ND	25
ST 88 R- 44	5.1	6.88	ND	ND	3	15	.72	1.4	76	53	4422	14.13	.02	3.84	1048	ND	.01	98	.06	15	ND	ND	5	ND	11	ND	ND	76
ST 88 R- 45	.1	.35	81	ND	7	ND	9.53	.5	39	72	239	8.59	.01	2.80	1455	2	.01	70	.05	16	ND	ND	41	ND	98	ND	ND	109
ST 88 R- 46	.4	.57	14	ND	69	ND	.63	.1	3	84	24	.92	.11	.16	322	3	.08	5	.01	8	ND	ND	ND	ND	12	ND	ND	11
ST 88 R- 47	.4	1.41	3	ND	21	ND	.10	.3	15	121	69	1.96	.07	1.02	1017	3	.01	40	.01	9	ND	ND	ND	ND	3	ND	ND	31
ST 88 R- 48	.1	4.12	ND	ND	51	ND	.23	.8	40	185	111	6.34	.03	3.25	1228	ND	.01	121	.02	12	ND	ND	ND	ND	9	ND	ND	67
ST 88 R- 49	.6	.22	66	ND	20	ND	.05	.2	6	121	88	2.26	.09	.08	987	2	.01	19	.01	11	ND	ND	ND	ND	1	ND	ND	18
ST 88 R- 50	.1	2.27	ND	ND	20	ND	.10	.5	18	71	82	3.49	.06	1.43	1211	ND	.01	49	.02	11	ND	ND	ND	ND	2	ND	ND	51
ST 88 R- 51	1.8	2.91	ND	ND	8	11	1.16	.6	40	112	86	4.50	.03	1.99	874	1	.01	75	.04	11	ND	ND	ND	ND	90	ND	ND	56
ST 88 R- 52	.1	3.19	ND	ND	12	ND	5.28	.1	9	71	25	1.38	.01	.39	373	ND	.01	16	.02	2	ND	ND	ND	ND	28	ND	ND	20
ST 88 R- 53	.7	2.71	ND	ND	10	10	.63	.8	31	171	249	4.16	.03	2.16	897	2	.01	70	.03	11	ND	ND	ND	ND	4	ND	ND	48
ST 88 R- 54	.1	2.07	ND	ND	9	ND	2.58	.2	16	92	238	2.87	.02	1.62	634	ND	.01	39	.01	4	ND	ND	ND	ND	9	ND	ND	36
ST 88 R- 55	.1	2.62	ND	ND	10	6	2.28	.4	25	131	309	3.68	.02	2.10	777	ND	.01	63	.02	6	ND	ND	ND	ND	12	ND	ND	48
ST 88 R- 56	1.5	1.66	ND	ND	5	8	.41	.4	33	135	2567	4.08	.03	1.48	439	2	.01	63	.02	21	ND	ND	ND	ND	9	ND	ND	39
ST 88 R- 57	1.3	2.22	ND	ND	5	8	.58	.4	25	142	289	3.57	.03	1.85	778	3	.01	58	.02	9	ND	ND	ND	ND	48	ND	ND	39
ST 88 R- 58	.1	4.88	ND	ND	11	ND	2.69	.8	46	391	10	7.96	.01	4.81	1644	ND	.01	202	.03	1	ND	ND	ND	ND	30	ND	ND	194
ST 88 R- 59	.2	.95	45	ND	11	ND	.05	.3	17	131	212	2.66	.05	.65	408	4	.01	39	.01	11	ND	ND	ND	ND	1	ND	ND	45
ST 88 R- 60	.8	1.90	ND	ND	13	ND	2.21	.3	16	53	219	1.96	.04	.39	442	ND	.01	28	.02	7	ND	ND	ND	ND	43	ND	ND	23
ST 88 R- 61	.1	.30	197	ND	14	ND	8.18	.1	27	80	75	5.27	.01	2.89	985	ND	.01	78	.02	6	ND	ND	ND	ND	92	ND	ND	76
ST 88 R- 62	.4	.14	148	ND	10	ND	.07	.1	5	135	19	.92	.06	.03	210	6	.01	16	.01	6	ND	ND	ND	ND	1	ND	ND	10
ST 88 R- 63	.4	.17	179	ND	14	ND	.03	.1	6	127	30	1.22	.07	.02	282	9	.01	28	.01	10	ND	ND	ND	ND	1	ND	ND	14
ST 88 R- 64	.1	.34	156	ND	23	ND	6.04	.1	31	89	95	4.64	.01	1.35	1021	ND	.01	74	.04	10	ND	ND	20	ND	46	ND	ND	78
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: Mez. Fl., 744 W. Hastings St.
: Vancouver, B.C.
: V6C 1A5

DATE: June 7 1988
REPORT#: 880136 GA
JOB#: 880136

PROJECT#: STAMP-181
SAMPLES ARRIVED: Feb 03 1988
REPORT COMPLETED: June 7 1988
ANALYSED FOR: Au ICP

INVOICE#: 880136 NA
TOTAL SAMPLES: 1055
SAMPLE TYPE: 1055 SOIL
REJECTS: DISCARDED

SAMPLES FROM: Vancouver, B.C.
COPY SENT TO: Vancouver, B.C.

PREPARED FOR: Mr. Peter Leriche

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Report and invoice sent to the Vancouver office.

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REPORT NUMBER: 880136 GA JOB NUMBER: 880136 **ASHWORTH EXPLORATION LTD.**

SAMPLE #	Au ppb
ST-88 L ON 0+50E	nd
ST-88 L ON 1+00E	10
ST-88 L ON 1+50E	5
ST-88 L ON 2+50E	10
ST-88 L ON 4+00E	nd
ST-88 L ON 4+50E	15
ST-88 L ON 5+00E	nd
ST-88 L ON 5+50E	15
ST-88 L ON 6+00E	25
ST-88 L ON 6+50E	5
ST-88 L ON 7+50E	nd
ST-88 L ON 8+00E	5
ST-88 L ON 8+50E	5
ST-88 L ON 9+00E	nd
ST-88 L ON 9+50E	nd
ST-88 L ON 10+50E	nd
ST-88 L ON 11+00E	10
ST-88 L ON 12+00E	5
ST-88 L ON 12+50E	5
ST-88 L ON 13+00E	nd
ST-88 L ON 13+50E	nd
ST-88 L ON 14+00E	nd
ST-88 L ON 14+50E	5
ST-88 L ON 15+50E	nd
ST-88 L ON 0+00W	10
ST-88 L ON 0+50W	nd
ST-88 L ON 1+00W	10
ST-88 L ON 1+50W	15
ST-88 L ON 2+00W	5
ST-88 L ON 2+50W	20
ST-88 L ON 3+00W	nd
ST-88 L ON 3+50W	nd
ST-88 L ON 4+00W	nd
ST-88 L ON 4+50W	10
ST-88 L ON 5+00W	nd
ST-88 L ON 5+50W	nd
ST-88 L ON 6+00W	15
ST-88 L ON 6+50W	5
ST-88 L 2N 0+50E	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #	Au ppb
ST-88 L 2N 1+00E	10
ST-88 L 2N 1+50E	nd
ST-88 L 2N 2+00E	5
ST-88 L 2N 2+50E	nd
ST-88 L 2N 3+00E	nd
ST-88 L 2N 3+50E	5
ST-88 L 2N 4+50E	nd
ST-88 L 2N 5+00E	30
ST-88 L 2N 5+50E	5
ST-88 L 2N 6+00E	10
ST-88 L 2N 6+50E	5
ST-88 L 2N 7+00E	5
ST-88 L 2N 7+50E	5
ST-88 L 2N 8+00E	15
ST-88 L 2N 8+50E	15
ST-88 L 2N 9+00E	10
ST-88 L 2N 9+50E	10
ST-88 L 2N 10+00E	10
ST-88 L 2N 10+50E	nd
ST-88 L 2N 11+00E	nd
ST-88 L 2N 11+50E	nd
ST-88 L 2N 12+00E	10
ST-88 L 2N 12+50E	nd
ST-88 L 2N 13+00E	10
ST-88 L 2N 13+50E	10
ST-88 L 2N 14+00E	15
ST-88 L 2N 14+50E	10
ST-88 L 2N 15+00E	nd
ST-88 L 2N 16+50E	5
ST-88 L 2N 2+00W	nd
ST-88 L 2N 2+50W	10
ST-88 L 2N 3+00W	5
ST-88 L 2N 3+50W	20
ST-88 L 2N 4+00W	20
ST-88 L 2N 4+50W	15
ST-88 L 2N 5+00W	15
ST-88 L 2N 5+50W	nd
ST-88 L 2N 6+00W	15
ST-88 L 2N 6+50W	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
ST-88 L 4N 0+50E	5
ST-88 L 4N 1+00E	15
ST-88 L 4N 1+50E	nd
ST-88 L 4N 2+00E	nd
ST-88 L 4N 2+50E	5
ST-88 L 4N 3+00E	nd
ST-88 L 4N 3+50E	nd
ST-88 L 4N 4+00E	nd
ST-88 L 4N 4+50E	5
ST-88 L 4N 5+00E	nd
ST-88 L 4N 5+50E	nd
ST-88 L 4N 6+00E	nd
ST-88 L 4N 6+50E	15
ST-88 L 4N 7+00E	5
ST-88 L 4N 7+50E	nd
ST-88 L 4N 8+00E	nd
ST-88 L 4N 8+50E	nd
ST-88 L 4N 9+00E	nd
ST-88 L 4N 9+50E	nd
ST-88 L 4N 10+00E	5
ST-88 L 4N 10+50E	nd
ST-88 L 4N 11+00E	15
ST-88 L 4N 11+50E	10
ST-88 L 4N 12+00E	5
ST-88 L 4N 12+50E	nd
ST-88 L 4N 13+00E	nd
ST-88 L 4N 13+50E	nd
ST-88 L 4N 14+00E	nd
ST-88 L 4N 14+50E	5
ST-88 L 4N 15+00E	nd
ST-88 L 4N 15+50E	nd
ST-88 L 4N BL	20
ST-88 L 4N 0+50W	5
ST-88 L 4N 1+00W	15
ST-88 L 4N 1+50W	nd
ST-88 L 4N 2+00W	10
ST-88 L 4N 2+50W	nd
ST-88 L 4N 3+00W	10
ST-88 L 4N 3+50W	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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REPORT NUMBER: 880136 GA JOB NUMBER: 880136 ASHWORTH EXPLORATION LTD.

SAMPLE #		Au ppb
ST-88 L 4N	4+00W	nd
ST-88 L 4N	4+50W	15
ST-88 L 4N	5+00W	10
ST-88 L 4N	5+50W	5
ST-88 L 4N	6+00W	15
ST-88 L 4N	6+50W	10
ST-88 L 4N	7+00W	5
ST-88 L 6N	BL	10
ST-88 L 6N	0+50E	5
ST-88 L 6N	1+00E	10
ST-88 L 6N	1+50E	10
ST-88 L 6N	2+00E	5
ST-88 L 6N	2+50E	nd
ST-88 L 6N	3+00E	nd
ST-88 L 6N	3+50E	nd
ST-88 L 6N	4+00E	nd
ST-88 L 6N	4+50E	nd
ST-88 L 6N	5+00E	nd
ST-88 L 6N	5+50E	5
ST-88 L 6N	6+00E	nd
ST-88 L 6N	6+50E	5
ST-88 L 6N	7+00E	5
ST-88 L 6N	7+50E	nd
ST-88 L 6N	8+00E	nd
ST-88 L 6N	8+50E	5
ST-88 L 6N	9+00E	15
ST-88 L 6N	9+50E	10
ST-88 L 6N	10+00E	10
ST-88 L 6N	10+50E	10
ST-88 L 6N	11+00E	10
ST-88 L 6N	11+50E	nd
ST-88 L 6N	12+00E	nd
ST-88 L 6N	12+50E	10
ST-88 L 6N	13+00E	nd
ST-88 L 6N	13+50E	nd
ST-88 L 6N	14+00E	nd
ST-88 L 6N	14+50E	5
ST-88 L 6N	15+00E	nd
ST-88 L 6N	15+50E	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #	Au ppb
ST-88 L 6N 16+00E	nd
ST-88 L 6N 0+50W	nd
ST-88 L 6N 1+00W	5
ST-88 L 6N 1+50W	nd
ST-88 L 6N 2+00W	nd
ST-88 L 6N 2+50W	nd
ST-88 L 6N 3+00W	nd
ST-88 L 6N 3+50W	nd
ST-88 L 6N 4+00W	nd
ST-88 L 6N 4+50W	5
ST-88 L 6N 5+00W	20
ST-88 L 6N 5+50W	10
ST-88 L 6N 6+00W	130
ST-88 L 6N 6+50W	15
ST-88 L 6N 7+00W	nd
ST-88 L 8N BL	nd
ST-88 L 8N 0+50E	5
ST-88 L 8N 1+00E	nd
ST-88 L 8N 1+50E	nd
ST-88 L 8N 2+00E	nd
ST-88 L 8N 2+50E	5
ST-88 L 8N 3+00E	5
ST-88 L 8N 3+50E	nd
ST-88 L 8N 4+00E	nd
ST-88 L 8N 4+50E	10
ST-88 L 8N 5+00E	nd
ST-88 L 8N 5+50E	nd
ST-88 L 8N 6+50E	nd
ST-88 L 8N 7+00E	nd
ST-88 L 8N 7+50E	nd
ST-88 L 8N 8+00E	5
ST-88 L 8N 8+50E	nd
ST-88 L 8N 9+00E	nd
ST-88 L 8N 9+50E	nd
ST-88 L 8N 10+00E	nd
ST-88 L 8N 10+50E	35
ST-88 L 8N 11+00E	nd
ST-88 L 8N 11+50E	10
ST-88 L 8N 12+00E	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L 8N	12+50E	nd
ST-88 L 8N	13+00E	nd
ST-88 L 8N	13+50E	nd
ST-88 L 8N	14+00E	nd
ST-88 L 8N	14+50E	nd
ST-88 L 8N	15+00E	nd
ST-88 L 8N	15+50E	nd
ST-88 L 8N	16+00E	20
ST-88 L 8N	BL	nd
ST-88 L 8N	0+50W	nd
ST-88 L 8N	1+50W	5
ST-88 L 8N	2+00W	10
ST-88 L 8N	2+50W	20
ST-88 L 8N	3+00W	5
ST-88 L 8N	3+50W	5
ST-88 L 8N	4+00W	nd
ST-88 L 8N	4+50W	nd
ST-88 L 8N	5+00W	nd
ST-88 L 8N	5+50W	10
ST-88 L 8N	6+00W	nd
ST-88 L 8N	6+50W	nd
ST-88 L 8N	7+00W	15
ST-88 L10N	BL	nd
ST-88 L10N	0+50E	10
ST-88 L10N	1+00E	10
ST-88 L10N	1+50E	15
ST-88 L10N	2+00E	5
ST-88 L10N	2+50E	nd
ST-88 L10N	3+00E	nd
ST-88 L10N	3+50E	nd
ST-88 L10N	4+00E	5
ST-88 L10N	4+50E	nd
ST-88 L10N	5+00E	5
ST-88 L10N	5+50E	nd
ST-88 L10N	6+00E	nd
ST-88 L10N	6+50E	nd
ST-88 L10N	7+50E	10
ST-88 L10N	8+00E	20
ST-88 L10N	8+50E	5
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
ST-88 L10N 9+00E	5
ST-88 L10N 9+50E	nd
ST-88 L10N 10+00E	10
ST-88 L10N 10+50E	5
ST-88 L10N 11+00E	5
ST-88 L10N 11+50E	nd
ST-88 L10N 12+00E	15
ST-88 L10N 12+50E	nd
ST-88 L10N 13+00E	nd
ST-88 L10N 13+50E	5
ST-88 L10N 14+00E	10
ST-88 L10N 0+50W	5
ST-88 L10N 1+00W	5
ST-88 L10N 1+50W	10
ST-88 L10N 2+00W	5
ST-88 L10N 2+50W	nd
ST-88 L10N 3+00W	nd
ST-88 L10N 3+50W	nd
ST-88 L10N 4+00W	5
ST-88 L10N 4+50W	5
ST-88 L10N 5+00W	5
ST-88 L10N 5+50W	10
ST-88 L10N 6+00W	nd
ST-88 L10N 6+50W	5
ST-88 L10N 7+00W	nd
ST-88 L12N 0+00E	nd
ST-88 L12N 0+50E	nd
ST-88 L12N 1+00E	5
ST-88 L12N 1+50E	nd
ST-88 L12N 2+00E	nd
ST-88 L12N 2+50E	nd
ST-88 L12N 3+00E	nd
ST-88 L12N 3+50E	nd
ST-88 L12N 4+00E	5
ST-88 L12N 4+50E	10
ST-88 L12N 5+00E	nd
ST-88 L12N 6+00E	nd
ST-88 L12N 6+50E	nd
ST-88 L12N 7+00E	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L12N	7+50E	nd
ST-88 L12N	8+00E	nd
ST-88 L12N	8+50E	nd
ST-88 L12N	9+00E	5
ST-88 L12N	9+50E	15
ST-88 L12N	10+00E	nd
ST-88 L12N	10+50E	5
ST-88 L12N	11+00E	20
ST-88 L12N	11+50E	nd
ST-88 L12N	12+00E	nd
ST-88 L12N	BL	nd
ST-88 L12N	0+50W	nd
ST-88 L12N	1+00W	5
ST-88 L12N	1+50W	nd
ST-88 L12N	2+00W	5
ST-88 L12N	2+50W	nd
ST-88 L12N	3+00W	nd
ST-88 L12N	3+50W	nd
ST-88 L12N	4+00W	15
ST-88 L12N	4+50W	nd
ST-88 L12N	5+00W	nd
ST-88 L12N	5+50W	10
ST-88 L12N	6+00W	nd
ST-88 L12N	6+50W	nd
ST-88 L12N	6+60W Silt	10
ST-88 L12N	7+00W	10
ST-88 L14N	BL	15
ST-88 L14N	0+50E	10
ST-88 L14N	1+00E	15
ST-88 L14N	1+50E	10
ST-88 L14N	2+00E	nd
ST-88 L14N	2+50E	20
ST-88 L14N	3+00E	5
ST-88 L14N	3+50E	10
ST-88 L14N	4+00E	5
ST-88 L14N	4+50E	15
ST-88 L14N	5+00E	nd
ST-88 L14N	5+50E	nd
ST-88 L14N	6+00E	5
DETECTION LIMIT		5

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SAMPLE #	Au ppb
ST-88 L14N 6+50E	nd
ST-88 L14N 7+00E	5
ST-88 L14N 7+50E	10
ST-88 L14N 8+00E	15
ST-88 L14N 8+50E	5
ST-88 L14N 9+00E	5
ST-88 L14N 9+50E	nd
ST-88 L14N 10+00E	nd
ST-88 L14N 10+50E	nd
ST-88 L14N 11+00E	5
ST-88 L14N 11+50E	10
ST-88 L14N 12+00E	5
ST-88 L14N 12+50E	5
ST-88 L14N 13+00E	10
ST-88 L14N 0+00W	nd
ST-88 L14N 0+50W	nd
ST-88 L14N 1+00W	10
ST-88 L14N 1+50W	nd
ST-88 L14N 2+00W	nd
ST-88 L14N 2+50W	nd
ST-88 L14N 3+00W	5
ST-88 L14N 3+50W	nd
ST-88 L14N 4+00W	30
ST-88 L14N 4+50W	nd
ST-88 L14N 5+00W	25
ST-88 L14N 5+50W	5
ST-88 L14N 6+00W	nd
ST-88 L14N 6+50W	nd
ST-88 L14N 7+00W	15
ST-88 L14N 7+50W	nd
ST-88 L14N 8+00W	5
ST-88 L14N 8+50W	nd
ST-88 L14N 9+00W	10
ST-88 L14N 9+50W	nd
ST-88 L14N 10+00W	30
ST-88 L14N 10+50W	5
ST-88 L14N 11+00W	10
ST-88 L14N 11+50W	65
ST-88 L14N 12+00W	25
DETECTION LIMIT	5

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(604) 251-5656

SAMPLE #	Au ppb
ST-88 L14N 12+50W	10
ST-88 L14N 13+00W	15
ST-88 L14N 13+50W	5
ST-88 L14N 14+00W	5
ST-88 L14N 14+50W	10
ST-88 L14N 15+00W	15
ST-88 L16N 0+50E	nd
ST-88 L16N 1+00E	15
ST-88 L16N 1+50E	10
ST-88 L16N 2+00E	10
ST-88 L16N 2+50E	nd
ST-88 L16N 3+00E	10
ST-88 L16N 3+50E	5
ST-88 L16N 4+00E	5
ST-88 L16N 4+50E	5
ST-88 L16N 5+00E	nd
ST-88 L16N 5+50E	10
ST-88 L16N 6+00E	30
ST-88 L16N 6+50E	5
ST-88 L16N 7+00E	nd
ST-88 L16N 7+50E	nd
ST-88 L16N 8+00E	nd
ST-88 L16N 8+50E	nd
ST-88 L16N 9+00E	15
ST-88 L16N 9+50E	nd
ST-88 L16N 10+00E	5
ST-88 L16N 10+50E	nd
ST-88 L16N BL	nd
ST-88 L16N 0+50W	5
ST-88 L16N 1+00W	15
ST-88 L16N 1+50W	5
ST-88 L16N 2+00W	5
ST-88 L16N 2+50W	nd
ST-88 L16N 3+00W	nd
ST-88 L16N 3+50W	nd
ST-88 L16N 4+00W	5
ST-88 L16N 4+50W	nd
ST-88 L16N 5+00W	5
ST-88 L16N 5+50W	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #		Au ppb
ST-88 L16N	6+00W	5
ST-88 L16N	6+50W	nd
ST-88 L16N	7+00W	nd
ST-88 L16N	7+50W	nd
ST-88 L16N	8+00W	10
ST-88 L16N	8+50W	nd
ST-88 L16N	9+00W	nd
ST-88 L16N	9+50W	nd
ST-88 L16N	10+00W	10
ST-88 L16N	10+50W	25
ST-88 L16N	11+00W	10
ST-88 L16N	11+50W	30
ST-88 L16N	12+00W	5
ST-88 L16N	12+50W	nd
ST-88 L16N	13+00W	nd
ST-88 L16N	13+50W	5
ST-88 L16N	14+00W	nd
ST-88 L16N	14+50W	nd
ST-88 L16N	15+00W	nd
ST-88 L18N	BL	15
ST-88 L18N	0+50E	5
ST-88 L18N	1+00E	nd
ST-88 L18N	1+50E	nd
ST-88 L18N	2+00E	10
ST-88 L18N	2+50E	nd
ST-88 L18N	3+00E	5
ST-88 L18N	3+50E	nd
ST-88 L18N	4+00E	nd
ST-88 L18N	4+50E	5
ST-88 L18N	5+00E	5
ST-88 L18N	5+50E	5
ST-88 L18N	6+00E	5
ST-88 L18N	6+50E	nd
ST-88 L18N	7+00E	5
ST-88 L18N	8+50E	nd
ST-88 L18N	9+00E	5
ST-88 L18N	9+50E	nd
ST-88 L18N	10+00E	nd
ST-88 L18N	10+50E	5
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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1988 Triumph Street
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au
		ppb
ST-88 L18N	BL	nd
ST-88 L18N	0+50W	nd
ST-88 L18N	1+00W	10
ST-88 L18N	1+50W	15
ST-88 L18N	2+00W	5
ST-88 L18N	2+50W	nd
ST-88 L18N	3+00W	5
ST-88 L18N	3+50W	15
ST-88 L18N	4+00W	nd
ST-88 L18N	4+50W	nd
ST-88 L18N	5+00W	10
ST-88 L18N	5+50W	45
ST-88 L18N	6+00W	20
ST-88 L18N	6+50W	nd
ST-88 L18N	7+00W	35
ST-88 L18N	7+50W	nd
ST-88 L18N	8+00W	nd
ST-88 L18N	8+50W	nd
ST-88 L18N	9+00W	10
ST-88 L18N	9+50W	nd
ST-88 L18N	10+00W	nd
ST-88 L18N	10+50W	nd
ST-88 L18N	11+00W	nd
ST-88 L18N	11+50W	10
ST-88 L18N	12+00W	15
ST-88 L18N	12+50W	nd
ST-88 L18N	13+00W	5
ST-88 L18N	13+50W	nd
ST-88 L18N	14+00W	nd
ST-88 L18N	14+50W	nd
ST-88 L18N	15+00W	nd
ST-88 L20N	BL	10
ST-88 L20N	0+50E	nd
ST-88 L20N	1+00E	nd
ST-88 L20N	1+50E	nd
ST-88 L20N	2+00E	nd
ST-88 L20N	2+50E	nd
ST-88 L20N	3+00E	nd
ST-88 L20N	3+50E	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L20N	4+00E	5
ST-88 L20N	4+50E	nd
ST-88 L20N	5+00E	5
ST-88 L20N	5+50E	nd
ST-88 L20N	6+00E	nd
ST-88 L20N	6+50E	nd
ST-88 L20N	7+00E	nd
ST-88 L20N	7+50E	nd
ST-88 L20N	8+00E	nd
ST-88 L20N	8+50E	10
ST-88 L20N	9+00E	10
ST-88 L20N	BLW	nd
ST-88 L20N	0+50W	nd
ST-88 L20N	1+00W	nd
ST-88 L20N	1+50W	15
ST-88 L20N	2+00W	nd
ST-88 L20N	2+50W	nd
ST-88 L20N	3+00W	nd
ST-88 L20N	3+50W	nd
ST-88 L20N	4+00W	nd
ST-88 L20N	4+50W	nd
ST-88 L20N	5+00W	nd
ST-88 L20N	5+50W	nd
ST-88 L20N	6+00W	5
ST-88 L20N	6+50W	10
ST-88 L20N	7+00W #1	15
ST-88 L20N	7+00W	15
ST-88 L20N	7+50W	nd
ST-88 L20N	8+00W	nd
ST-88 L20N	8+50W	10
ST-88 L20N	9+00W	nd
ST-88 L20N	9+50W	nd
ST-88 L20N	10+00W	nd
ST-88 L20N	10+50W	80
ST-88 L20N	11+00W	20
ST-88 L20N	11+50W	5
ST-88 L20N	12+00W	15
ST-88 L20N	12+50W	5
ST-88 L20N	13+00W	10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #		Au ppb
ST-88 L20N	13+50W	nd
ST-88 L20N	14+00W	nd
ST-88 L20N	14+50W	5
ST-88 L20N	15+00W	5
ST-88 L22N	BL	5
ST-88 L22N	0+50E	5
ST-88 L22N	1+00E	10
ST-88 L22N	1+50E	5
ST-88 L22N	2+00E	10
ST-88 L22N	2+50E	10
ST-88 L22N	3+00E	5
ST-88 L22N	3+50E	10
ST-88 L22N	4+00E	nd
ST-88 L22N	4+50E	5
ST-88 L22N	5+00E	nd
ST-88 L22N	5+50E	5
ST-88 L22N	6+00E	5
ST-88 L22N	6+50E	5
ST-88 L22N	7+00E	10
ST-88 L22N	7+50E	nd
ST-88 L22N	8+00E	nd
ST-88 L22N	0+50W	5
ST-88 L22N	1+00W	nd
ST-88 L22N	1+50W	5
ST-88 L22N	2+00W	5
ST-88 L22N	2+50W	nd
ST-88 L22N	3+00W	nd
ST-88 L22N	4+00W	nd
ST-88 L22N	4+50W	15
ST-88 L22N	5+00W	nd
ST-88 L22N	5+50W	10
ST-88 L22N	6+00W	5
ST-88 L22N	6+50W	nd
ST-88 L22N	7+00W	nd
ST-88 L22N	7+50W	5
ST-88 L22N	8+00W	5
ST-88 L22N	8+50W	5
ST-88 L22N	9+00W	400
ST-88 L22N	9+50W	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

REPORT NUMBER: 880136 GA JOB NUMBER: 880136 ASHWORTH EXPLORATION LTD.

SAMPLE #	Au ppb
ST-88 L22N 10+00W	5
ST-88 L22N 10+50W A	5
ST-88 L22N 10+50W B	10
ST-88 L22N 11+00W A	nd
ST-88 L22N 11+00W B	10
ST-88 L22N 11+50W A	nd
ST-88 L22N 11+50W B	5
ST-88 L22N 12+00W A	nd
ST-88 L22N 12+00W B	5
ST-88 L22N 12+50W	10
ST-88 L22N 13+00W	5
ST-88 L22N 13+50W	10
ST-88 L22N 14+00W	5
ST-88 L22N 14+50W	nd
ST-88 L22N 15+00W	5
ST-88 L24N BL	10
ST-88 L24N 0+50E	5
ST-88 L24N 1+00E	10
ST-88 L24N 1+50E	5
ST-88 L24N 2+50E	10
ST-88 L24N 3+00E	15
ST-88 L24N 3+50E	nd
ST-88 L24N 4+00E	nd
ST-88 L24N 4+50E	5
ST-88 L24N 5+00E	nd
ST-88 L24N 5+50E	5
ST-88 L24N 6+00E	nd
ST-88 L24N 6+50E	nd
ST-88 L24N 7+50E	5
ST-88 L24N 8+00E	5
ST-88 L24N 8+50E	10
ST-88 L24N 0+50W	nd
ST-88 L24N 1+00W	15
ST-88 L24N 1+50W	5
ST-88 L24N 2+00W	15
ST-88 L24N 2+50W	nd
ST-88 L24N 3+00W	nd
ST-88 L24N 3+50W	5
ST-88 L24N 4+00W	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L24N	4+50W	nd
ST-88 L24N	5+00W	5
ST-88 L24N	5+50W	20
ST-88 L24N	6+00W	5
ST-88 L24N	6+50W	5
ST-88 L24N	7+00W	nd
ST-88 L24N	7+50W	5
ST-88 L24N	8+00W	20
ST-88 L24N	8+50W	nd
ST-88 L24N	10+50W	5
ST-88 L24N	11+00W	nd
ST-88 L24N	11+50W	nd
ST-88 L24N	12+00W	10
ST-88 L24N	12+50W	15
ST-88 L24N	13+00W	15
ST-88 L24N	13+50W	10
ST-88 L24N	14+00W	15
ST-88 L24N	14+50W	15
ST-88 L24N	15+00W	15
ST-88 L26N	BL	30
ST-88 L26N	0+50E	5
ST-88 L26N	1+00E	10
ST-88 L26N	1+50E	10
ST-88 L26N	2+00E	15
ST-88 L26N	2+50E	10
ST-88 L26N	3+00E	5
ST-88 L26N	3+50E	20
ST-88 L26N	4+00E	nd
ST-88 L26N	4+50E	5
ST-88 L26N	5+00E	5
ST-88 L26N	6+00E	nd
ST-88 L26N	6+50E	nd
ST-88 L26N	7+50E	10
ST-88 L26N	0+50W	nd
ST-88 L26N	1+00W	5
ST-88 L26N	1+50W	nd
ST-88 L26N	2+00W	nd
ST-88 L26N	2+50W	10
ST-88 L26N	3+00W	5
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L26N	3+50W	5
ST-88 L26N	4+00W	nd
ST-88 L26N	4+50W	5
ST-88 L26N	5+00W	5
ST-88 L26N	5+50W	nd
ST-88 L26N	6+00W	10
ST-88 L26N	6+50W	5
ST-88 L26N	7+00W	nd
ST-88 L26N	7+50W	nd
ST-88 L26N	8+00W	5
ST-88 L26N	8+50W	10
ST-88 L26N	9+00W	nd
ST-88 L26N	9+50W	nd
ST-88 L26N	10+00W	10
ST-88 L26N	10+50W	nd
ST-88 L26N	11+00W	5
ST-88 L26N	11+50W	nd
ST-88 L26N	12+50W	10
ST-88 L26N	13+00W	5
ST-88 L26N	13+50W	nd
ST-88 L26N	14+00W	5
ST-88 L26N	14+50W	nd
ST-88 L28N	BL	nd
ST-88 L28N	0+50E	nd
ST-88 L28N	1+00E	5
ST-88 L28N	1+50E	nd
ST-88 L28N	2+00E	5
ST-88 L28N	2+50E	nd
ST-88 L28N	3+00E	nd
ST-88 L28N	3+50E	10
ST-88 L28N	4+00E	nd
ST-88 L28N	4+50E	5
ST-88 L28N	5+00E	nd
ST-88 L28N	5+50E	10
ST-88 L28N	6+00E	nd
ST-88 L28N	6+50E	nd
ST-88 L28N	7+00E	10
ST-88 L28N	7+50E	5
ST-88 L28N	0+50W	10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L28N	1+00W	nd
ST-88 L28N	1+50W	nd
ST-88 L28N	2+00W	nd
ST-88 L28N	2+50W	10
ST-88 L28N	3+00W	nd
ST-88 L28N	3+50W	20
ST-88 L28N	4+50W	15
ST-88 L28N	5+00W	5
ST-88 L28N	5+50W	5
ST-88 L28N	6+00W	5
ST-88 L28N	6+50W	10
ST-88 L28N	7+00W	nd
ST-88 L28N	7+50W	5
ST-88 L28N	8+00W	nd
ST-88 L28N	9+50W	nd
ST-88 L28N	10+00W	10
ST-88 L28N	10+50W	5
ST-88 L28N	11+00W	nd
ST-88 L28N	11+50W	nd
ST-88 L28N	12+00W	nd
ST-88 L28N	12+50W	10
ST-88 L28N	13+00W	nd
ST-88 L28N	13+50W	5
ST-88 L28N	14+00W	10
ST-88 L28N	14+50W	nd
ST-88 L28N	15+00W	nd
ST-88 L30N	BL	5
ST-88 L30N	0+50E	5
ST-88 L30N	1+00E	nd
ST-88 L30N	1+50E	15
ST-88 L30N	2+00E	nd
ST-88 L30N	2+50E	5
ST-88 L30N	3+00E	nd
ST-88 L30N	3+50E	15
ST-88 L30N	4+00E	5
ST-88 L30N	4+50E	nd
ST-88 L30N	5+00E	nd
ST-88 L30N	5+50E	5
ST-88 L30N	6+00E	5
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L30N	6+50E	nd
ST-88 L30N	7+00E	5
ST-88 L30N	7+50E	5
ST-88 L30N	8+00E	nd
ST-88 L30N	8+50E	nd
ST-88 L30N	0+50W	nd
ST-88 L30N	1+00W	nd
ST-88 L30N	1+50W	10
ST-88 L30N	2+00W	5
ST-88 L30N	2+50W	15
ST-88 L30N	3+00W	nd
ST-88 L30N	3+50W	5
ST-88 L30N	4+00W	15
ST-88 L30N	4+50W	15
ST-88 L30N	5+00W	10
ST-88 L30N	5+50W	10
ST-88 L30N	6+00W	20
ST-88 L30N	6+50W	20
ST-88 L30N	7+00W	10
ST-88 L30N	7+50W	15
ST-88 L30N	8+00W	5
ST-88 L30N	8+50W	10
ST-88 L30N	9+00W	10
ST-88 L30N	9+50W	nd
ST-88 L30N	10+00W	nd
ST-88 L30N	10+50W	nd
ST-88 L30N	11+00W	nd
ST-88 L30N	11+50W	5
ST-88 L30N	12+00W	30
ST-88 L30N	12+50W	nd
ST-88 L30N	13+00W	nd
ST-88 L30N	13+50W	10
ST-88 L30N	14+00W	nd
ST-88 L30N	14+50W	nd
ST-88 L30N	15+00W	10
ST-88 L32N	BL	5
ST-88 L32N	0+50E	nd
ST-88 L32N	1+00E	nd
ST-88 L32N	1+50E	20
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
ST-88 L32N 2+00E	nd
ST-88 L32N 2+50E	nd
ST-88 L32N 3+00E	nd
ST-88 L32N 3+50E	nd
ST-88 L32N 4+00E	10
ST-88 L32N 4+50E	nd
ST-88 L32N 5+00E	5
ST-88 L32N 5+50E	nd
ST-88 L32N 6+00E	nd
ST-88 L32N 6+50E	5
ST-88 L32N 7+00E	5
ST-88 L32N 7+50E	nd
ST-88 L32N 8+00E	10
ST-88 L32N 9+50E	15
ST-88 L32N 0+50W	nd
ST-88 L32N 1+00W	nd
ST-88 L32N 1+50W	nd
ST-88 L32N 2+00W	25
ST-88 L32N 2+50W	nd
ST-88 L32N 3+00W	nd
ST-88 L32N 3+50W	nd
ST-88 L32N 4+00W	10
ST-88 L32N 4+50W	nd
ST-88 L32N 5+50W	5
ST-88 L32N 6+00W A	5
ST-88 L32N 6+00W B	nd
ST-88 L32N 6+50W	5
ST-88 L32N 7+00W	5
ST-88 L32N 7+50W	nd
ST-88 L32N 8+00W	10
ST-88 L32N 8+50W	nd
ST-88 L32N 9+00W	nd
ST-88 L32N 10+00W	15
ST-88 L32N 10+50W	nd
ST-88 L32N 11+00W	nd
ST-88 L32N 11+50W	5
ST-88 L32N 12+00W	nd
ST-88 L32N 12+50W	5
ST-88 L32N 13+00W	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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1630 PANDORA ST
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L32N	13+50W	nd
ST-88 L32N	14+00W	10
ST-88 L32N	14+50W	5
ST-88 L32N	15+00W	nd
ST-88 L34N	BL	5
ST-88 L34N	0+50E	5
ST-88 L34N	1+00E	5
ST-88 L34N	1+50E	nd
ST-88 L34N	2+00E	5
ST-88 L34N	2+50E	nd
ST-88 L34N	3+00E	nd
ST-88 L34N	3+50E	nd
ST-88 L34N	4+00E	nd
ST-88 L34N	4+50E	nd
ST-88 L34N	5+50E	nd
ST-88 L34N	6+00E	25
ST-88 L34N	6+50E	nd
ST-88 L34N	7+00E	nd
ST-88 L34N	7+50E	5
ST-88 L34N	0+50W	5
ST-88 L34N	1+00W	nd
ST-88 L34N	1+50W	10
ST-88 L34N	2+00W	5
ST-88 L34N	2+50W	10
ST-88 L34N	3+00W	5
ST-88 L34N	3+50W	nd
ST-88 L34N	4+00W	15
ST-88 L34N	4+50W	5
ST-88 L34N	5+00W	nd
ST-88 L34N	5+50W	nd
ST-88 L34N	6+00W	10
ST-88 L34N	6+50W	nd
ST-88 L34N	7+00W	nd
ST-88 L34N	7+50W	nd
ST-88 L34N	8+00W	nd
ST-88 L34N	8+50W	nd
ST-88 L34N	9+00W	15
ST-88 L34N	10+00W	5
ST-88 L34N	10+50W	5
DETECTION LIMIT		5

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1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L34N	11+00W	nd
ST-88 L34N	12+00W	10
ST-88 L34N	12+50W	nd
ST-88 L34N	13+00W	5
ST-88 L34N	13+50W	nd
ST-88 L34N	14+00W	10
ST-88 L34N	14+50W	nd
ST-88 L34N	15+00W	5
ST-88 L36N	BL	10
ST-88 L36N	0+50E	nd
ST-88 L36N	1+00E	nd
ST-88 L36N	1+50E	nd
ST-88 L36N	2+00E	nd
ST-88 L36N	2+50E	10
ST-88 L36N	3+00E	10
ST-88 L36N	3+50E	nd
ST-88 L36N	4+00E	nd
ST-88 L36N	5+00E	5
ST-88 L36N	5+50E	nd
ST-88 L36N	6+00E	5
ST-88 L36N	6+50E	nd
ST-88 L36N	7+00E	nd
ST-88 L36N	7+50E	20
ST-88 L36N	8+00E	5
ST-88 L36N	8+50E A	nd
ST-88 L36N	8+50E B	5
ST-88 L36N	0+50W	5
ST-88 L36N	1+00W	10
ST-88 L36N	1+50W	5
ST-88 L36N	2+00W	nd
ST-88 L36N	2+50W	nd
ST-88 L36N	3+00W	nd
ST-88 L36N	3+50W	5
ST-88 L36N	4+00W	nd
ST-88 L36N	4+50W	nd
ST-88 L36N	5+00W	nd
ST-88 L36N	5+50W	5
ST-88 L36N	6+00W	nd
ST-88 L36N	6+50W	10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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1988 Triumph Street
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BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
ST-88 L36N 7+00W	15
ST-88 L36N 7+50W	nd
ST-88 L36N 8+00W	5
ST-88 L36N 8+50W	5
ST-88 L36N 9+00W	10
ST-88 L36N 9+50W	nd
ST-88 L36N 10+00W	nd
ST-88 L36N 10+50W	5
ST-88 L36N 11+00W	10
ST-88 L36N 11+50W	nd
ST-88 L36N 12+00W	15
ST-88 L36N 12+50W	20
ST-88 L36N 13+00W	nd
ST-88 L36N 13+50W	nd
ST-88 L36N 14+00W	nd
ST-88 L36N 14+50W	15
ST-88 L36N 15+00W	nd
ST-88 L38N BL	nd
ST-88 L38N 0+50E	nd
ST-88 L38N 1+00E	5
ST-88 L38N 1+50E	15
ST-88 L38N 2+00E	nd
ST-88 L38N 2+50E	5
ST-88 L38N 3+00E	nd
ST-88 L38N 3+50E	nd
ST-88 L38N 4+00E	nd
ST-88 L38N 4+50E	nd
ST-88 L38N 5+00E	nd
ST-88 L38N 5+50E	nd
ST-88 L38N 6+00E	nd
ST-88 L38N 6+50E	10
ST-88 L38N 7+00E	5
ST-88 L38N 7+50E	nd
ST-88 L38N 8+00E	5
ST-88 L38N 0+50W	nd
ST-88 L38N 1+00W	nd
ST-88 L38N 1+50W	nd
ST-88 L38N 2+00W	5
ST-88 L38N 2+50W	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC

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MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L38N	3+00W	nd
ST-88 L38N	3+50W	5
ST-88 L38N	4+00W	5
ST-88 L38N	4+50W	nd
ST-88 L38N	5+00W	nd
ST-88 L38N	5+50W	nd
ST-88 L38N	6+00W	10
ST-88 L38N	6+50W	5
ST-88 L38N	7+00W	nd
ST-88 L38N	7+50W	nd
ST-88 L38N	8+00W	nd
ST-88 L38N	8+50W	5
ST-88 L38N	9+00W	10
ST-88 L38N	9+50W	30
ST-88 L38N	10+00W	nd
ST-88 L38N	10+50W	nd
ST-88 L38N	11+00W	nd
ST-88 L38N	11+50W	nd
ST-88 L38N	12+00W	nd
ST-88 L38N	12+50W	5
ST-88 L38N	13+00W	nd
ST-88 L38N	13+50W	5
ST-88 L38N	14+00W	nd
ST-88 L38N	14+50W	5
ST-88 L38N	15+00W	nd
ST-88 L40N	BL	nd
ST-88 L40N	0+50E	nd
ST-88 L40N	1+00E	5
ST-88 L40N	1+50E	nd
ST-88 L40N	2+00E	nd
ST-88 L40N	2+50E	nd
ST-88 L40N	3+00E	nd
ST-88 L40N	3+50E	5
ST-88 L40N	4+00E	nd
ST-88 L40N	4+50E	nd
ST-88 L40N	5+00E	15
ST-88 L40N	5+50E	nd
ST-88 L40N	6+00E	5
ST-88 L40N	6+50E	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
ST-88 L40N 7+00E	5
ST-88 L40N 7+50E	10
ST-88 L40N 8+00E	nd
ST-88 L40N 0+50W	nd
ST-88 L40N 1+00W	nd
ST-88 L40N 1+50W	5
ST-88 L40N 2+00W	nd
ST-88 L40N 2+50W	nd
ST-88 L40N 3+00W	nd
ST-88 L40N 3+50W	nd
ST-88 L40N 4+00W	nd
ST-88 L40N 4+50W	nd
ST-88 L40N 5+00W	nd
ST-88 L40N 5+50W	nd
ST-88 L40N 6+00W	10
ST-88 L40N 6+50W	nd
ST-88 L40N 7+00W	nd
ST-88 L40N 7+50W	nd
ST-88 L40N 8+50W	nd
ST-88 L40N 9+00W	nd
ST-88 L40N 9+50W	nd
ST-88 L40N 10+00W	nd
ST-88 L40N 10+50W	5
ST-88 L40N 11+00W	nd
ST-88 L40N 11+50W	nd
ST-88 L40N 12+00W	5
ST-88 L40N 12+50W	nd
ST-88 L40N 13+00W	nd
ST-88 L40N 13+50W	5
ST-88 L40N 14+00W	nd
ST-88 L40N 14+50W	10
ST-88 L40N 15+00W	nd
ST-88 L42N BL	10
ST-88 L42N 0+50E	nd
ST-88 L42N 1+00E	5
ST-88 L42N 1+50E	nd
ST-88 L42N 2+00E	nd
ST-88 L42N 2+50E	nd
ST-88 L42N 3+00E	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L42N	3+50E	nd
ST-88 L42N	4+00E	5
ST-88 L42N	4+50E	nd
ST-88 L42N	5+00E	nd
ST-88 L42N	5+50E	5
ST-88 L42N	6+00E	5
ST-88 L42N	6+50E	5
ST-88 L42N	7+00E	5
ST-88 L42N	7+50E	10
ST-88 L42N	0+50W	5
ST-88 L42N	1+00W	10
ST-88 L42N	1+50W	nd
ST-88 L42N	2+00W	nd
ST-88 L42N	2+50W	10
ST-88 L42N	3+00W	nd
ST-88 L42N	3+50W	nd
ST-88 L42N	4+00W	5
ST-88 L42N	4+50W	nd
ST-88 L42N	5+00W	5
ST-88 L42N	5+50W	10
ST-88 L42N	6+50W	10
ST-88 L42N	7+00W	nd
ST-88 L42N	7+50W	nd
ST-88 L42N	8+00W	5
ST-88 L42N	8+50W	nd
ST-88 L42N	9+00W	nd
ST-88 L42N	10+00W	5
ST-88 L42N	10+50W	5
ST-88 L42N	11+00W	nd
ST-88 L42N	11+50W	nd
ST-88 L42N	12+00W	15
ST-88 L42N	12+50W	5
ST-88 L42N	13+00W	nd
ST-88 L42N	13+50W	nd
ST-88 L42N	14+00W	10
ST-88 L42N	14+50W	10
ST-88 L42N	15+00W	5
ST-88 L44N	BL	10
ST-88 L44N	0+50E	10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B C V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
ST-88 L44N	1+00E	nd
ST-88 L44N	1+50E	nd
ST-88 L44N	2+00E	nd
ST-88 L44N	2+50E	10
ST-88 L44N	3+00E	nd
ST-88 L44N	3+50E	5
ST-88 L44N	4+00E	5
ST-88 L44N	4+50E	nd
ST-88 L44N	5+00E (Silt)	5
ST-88 L44N	5+00E (B)	5
ST-88 L44N	5+50E	15
ST-88 L44N	6+00E	nd
ST-88 L44N	7+00E	5
ST-88 L44N	7+50E	5
ST-88 L46N	BL	nd
ST-88 L46N	0+50E	10
ST-88 L46N	1+00E	nd
ST-88 L46N	1+50E	15
ST-88 L46N	2+00E	5
ST-88 L46N	2+50E	5
ST-88 L46N	3+00E	5
ST-88 L46N	3+50E	5
ST-88 L46N	4+00E	nd
ST-88 L46N	4+50E	10
ST-88 L46N	5+00E	nd
ST-88 L46N	5+50E	5
ST-88 L46N	6+00E	5
ST-88 L46N	6+50E	10
ST-88 L46N	7+00E	15
ST-88 T 1 (Silt)		nd
ST-88 T 2		60
ST-88 T 3		nd
ST-88 T 4		nd
ST-88 T 5		nd
ST-88 T 6		5
ST-88 T 7		nd
ST-88 T 8		5
ST-88 T 9		5
ST-88 T10		10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICE
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VANCOUVER, B.C V5L 1L6
(604) 251-5656

REPORT NUMBER: 880136 GA | JOB NUMBER: 880136 | ASHWORTH EXPLORATION LTD. |

SAMPLE #	Au ppb
ST-88 T11 A	nd
ST-88 T11 B	15

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: ASHWORTH EXPL
ATTENTION:
PROJECT: STAMP 181

REPORT#: 880136 PA
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ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 LON 0+50E	.1	4.75	ND	ND	93	ND	.28	.1	43	70	130	7.80	.06	1.86	2842	ND	.01	76	.08	6	ND	ND	ND	ND	10	ND	ND	145
ST-88 LON 1+00E	.1	4.69	ND	ND	101	ND	.40	.2	34	48	123	6.55	.07	.64	832	ND	.01	57	.04	8	ND	ND	7	ND	14	ND	ND	113
ST-88 LON 1+50E	.1	5.97	ND	ND	39	ND	.48	.2	25	55	157	6.08	.06	.88	619	1	.01	57	.15	6	ND	ND	ND	ND	14	ND	ND	69
ST-88 LON 2+50E	.1	4.09	ND	ND	108	ND	.64	.1	32	48	96	5.83	.07	.75	1629	1	.01	53	.08	11	ND	ND	ND	ND	20	ND	ND	68
ST-88 LON 4+00E	.1	7.53	ND	ND	65	ND	.43	.2	29	60	91	5.54	.06	.53	693	1	.01	50	.10	4	ND	ND	ND	ND	18	ND	ND	87
ST-88 LON 4+50E	.1	5.41	ND	ND	120	ND	1.21	.3	38	155	186	5.59	.08	1.12	1351	1	.01	103	.04	5	ND	ND	ND	ND	32	ND	ND	66
ST-88 LON 5+00E	.1	5.16	ND	ND	38	ND	.54	.4	32	105	118	7.83	.08	.93	480	1	.01	64	.03	8	ND	ND	ND	ND	17	ND	ND	55
ST-88 LON 5+50E	.4	6.19	ND	ND	43	ND	.72	.4	37	105	159	7.44	.08	.85	424	ND	.01	74	.04	5	ND	ND	ND	ND	17	ND	ND	77
ST-88 LON 6+00E	.1	5.41	ND	ND	41	ND	.34	.2	38	132	130	7.00	.07	1.20	633	1	.01	75	.03	8	ND	ND	ND	ND	13	ND	ND	66
ST-88 LON 6+50E	.1	6.01	ND	ND	47	ND	.45	.3	30	75	106	6.69	.07	.78	487	1	.01	57	.06	6	ND	ND	ND	ND	16	ND	ND	72
ST-88 LON 7+50E	.1	4.12	ND	ND	53	ND	.60	.1	27	50	69	5.62	.07	.60	409	1	.01	53	.04	10	ND	ND	ND	ND	18	ND	ND	65
ST-88 LON 8+00E	.1	6.00	ND	ND	35	ND	.45	.3	25	60	117	5.82	.06	.69	422	ND	.01	48	.08	7	ND	ND	ND	ND	21	ND	ND	69
ST-88 LON 8+50E	.5	4.39	ND	ND	62	ND	.44	.2	32	56	131	6.83	.07	.54	1214	1	.01	47	.08	12	ND	ND	ND	ND	22	ND	ND	101
ST-88 LON 9+00E	.3	4.14	ND	ND	67	3	.59	.1	24	46	59	4.66	.06	.40	714	1	.01	37	.06	12	ND	ND	ND	ND	19	ND	ND	61
ST-88 LON 9+50E	.4	2.86	ND	ND	85	ND	.56	.2	27	43	69	5.66	.07	.54	1995	1	.01	38	.06	14	ND	ND	ND	2	24	ND	ND	66
ST-88 LON 10+50E	.1	8.28	ND	ND	56	ND	.48	.3	32	80	175	6.85	.07	.93	626	ND	.01	66	.07	1	ND	ND	ND	ND	19	ND	ND	65
ST-88 LON 11+00E	.1	4.84	ND	ND	134	ND	.48	.1	26	53	102	5.87	.07	.64	589	1	.01	50	.06	8	ND	ND	ND	ND	19	ND	ND	75
ST-88 LON 12+00E	.4	4.58	ND	ND	105	ND	.72	.4	33	56	76	6.66	.08	.60	1074	1	.01	54	.05	12	ND	ND	ND	ND	23	ND	ND	113
ST-88 LON 12+50E	.4	4.44	ND	ND	41	ND	.50	.1	22	48	67	5.19	.07	.43	343	1	.01	36	.04	11	ND	ND	ND	ND	19	ND	ND	51
ST-88 LON 13+00E	.1	4.48	ND	ND	43	ND	.44	.3	21	37	98	4.87	.06	.40	380	1	.01	40	.05	9	ND	ND	ND	ND	19	ND	ND	52
ST-88 LON 13+50E	.1	4.00	ND	ND	68	ND	.68	.2	30	60	86	5.37	.07	.88	609	1	.01	59	.03	12	ND	ND	ND	ND	22	ND	ND	74
ST-88 LON 14+00E	.4	5.75	ND	ND	51	ND	.44	.3	27	68	87	6.93	.08	.55	775	1	.01	49	.12	9	ND	ND	ND	ND	17	ND	ND	67
ST-88 LON 14+50E	.4	7.44	ND	ND	65	ND	.48	.2	30	62	109	5.76	.07	.71	361	1	.01	54	.06	5	ND	ND	ND	ND	17	ND	ND	61
ST-88 LON 15+50E	.1	4.57	ND	ND	44	ND	.63	.2	40	60	236	5.12	.07	.44	761	1	.01	42	.10	12	ND	ND	ND	ND	19	ND	ND	71
ST-88 LON 0+00W	.1	2.77	4	ND	68	ND	.22	.4	14	27	21	4.08	.06	.64	775	1	.01	23	.03	9	ND	ND	ND	ND	8	ND	ND	331
ST-88 LON 0+50W	.1	4.57	ND	ND	143	ND	.55	.5	41	57	218	6.44	.07	.68	1897	1	.01	56	.06	11	ND	ND	ND	ND	17	ND	ND	246
ST-88 LON 1+00W	.1	4.69	ND	ND	95	ND	.56	.1	30	55	86	5.08	.06	.69	1450	1	.01	52	.07	10	ND	ND	ND	ND	19	ND	ND	90
ST-88 LON 1+50W	.1	5.25	ND	ND	80	ND	.52	.3	31	62	121	5.91	.06	.81	740	1	.01	62	.07	6	ND	ND	ND	ND	16	ND	ND	114
ST-88 LON 2+00W	.1	3.32	ND	ND	60	ND	.40	.1	24	66	40	6.66	.07	.65	386	1	.01	47	.02	10	ND	ND	ND	ND	14	ND	ND	71
ST-88 LON 2+50W	.1	6.08	25	ND	78	ND	.38	.2	33	49	187	5.72	.06	.96	1195	1	.01	56	.08	5	ND	ND	ND	ND	12	ND	ND	105
ST-88 LON 3+00W	.1	2.62	26	ND	68	3	.38	.2	28	30	53	3.87	.05	.34	2745	1	.01	28	.06	13	ND	ND	ND	ND	13	ND	ND	132
ST-88 LON 3+50W	.1	4.76	ND	ND	47	ND	.15	.1	24	116	76	5.82	.05	1.20	767	1	.01	66	.05	6	ND	ND	ND	ND	5	ND	ND	120
ST-88 LON 4+00W	.3	7.25	ND	ND	57	3	.39	.3	25	55	82	4.33	.05	.52	760	1	.01	46	.07	7	ND	ND	ND	ND	14	ND	ND	69
ST-88 LON 4+50W	.1	6.15	ND	ND	78	ND	.59	.3	35	81	139	5.41	.06	1.38	512	1	.01	77	.03	3	ND	ND	ND	ND	19	ND	ND	57
ST-88 LON 5+00W	.1	7.00	ND	ND	81	ND	.68	.4	31	75	118	6.19	.07	.88	665	1	.01	63	.08	5	ND	ND	ND	ND	20	ND	ND	85
ST-88 LON 5+50W	.1	7.58	ND	ND	102	ND	.34	.3	29	78	187	5.75	.06	.85	569	1	.01	67	.07	3	ND	ND	ND	ND	18	ND	ND	76
ST-88 LON 6+00W	.1	2.36	13	ND	39	4	.39	.1	14	25	25	2.90	.05	.30	350	1	.01	18	.04	13	ND	ND	ND	1	21	ND	ND	52
ST-88 LON 6+50W	.1	5.62	ND	ND	79	ND	.59	.2	29	50	183	5.32	.07	1.12	914	1	.01	55	.08	9	ND	ND	ND	ND	22	ND	ND	83
ST-88 L2N 0+50E	.1	4.54	ND	ND	41	ND	.55	.1	27	57	81	5.76	.07	.68	503	1	.01	49	.03	10	ND	ND	ND	ND	15	ND	ND	49
ST-88 L2N 1+00E	.3	5.19	ND	ND	74	ND	.80	.1	31	83	76	6.75	.08	.53	660	ND	.01	57	.04	8	ND	ND	ND	ND	20	ND	ND	55

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L2N 1+50E	.3	4.52	ND	ND	46	ND	.45	.1	29	57	82	6.04	.06	.61	767	1	.01	48	.06	11	ND	ND	ND	ND	15	ND	ND	85
ST-88 L2N 2+00E	.1	5.98	ND	ND	63	ND	.63	.3	34	69	433	6.08	.06	.94	726	1	.01	78	.04	6	ND	ND	ND	ND	16	ND	ND	64
ST-88 L2N 2+50E	.2	5.19	ND	ND	64	ND	.68	.4	33	61	94	6.66	.07	.85	960	1	.01	65	.30	8	ND	ND	ND	ND	19	ND	ND	132
ST-88 L2N 3+00E	.4	5.23	ND	ND	51	ND	.46	.2	25	51	99	6.86	.06	.40	664	ND	.01	43	.14	10	ND	ND	ND	ND	17	ND	ND	85
ST-88 L2N 3+50E	.2	9.49	ND	ND	27	ND	.34	.5	23	87	145	6.83	.06	.68	329	1	.01	47	.08	3	ND	ND	ND	ND	14	ND	ND	49
ST-88 L2N 4+50E	.1	4.62	ND	ND	45	ND	.36	.2	28	59	90	7.26	.06	.66	1179	1	.01	48	.04	9	ND	ND	ND	ND	15	ND	ND	121
ST-88 L2N 5+00E	.1	5.12	ND	ND	49	ND	.26	.1	31	60	71	6.94	.06	.70	2587	1	.01	48	.08	10	ND	ND	ND	ND	11	ND	ND	159
ST-88 L2N 5+50E	.2	6.75	ND	ND	39	3	.58	.3	36	60	176	5.62	.06	1.16	626	1	.01	66	.07	4	ND	ND	ND	ND	16	ND	ND	69
ST-88 L2N 6+00E	.3	6.63	ND	ND	59	ND	.64	.2	59	60	101	7.25	.07	.69	958	1	.01	74	.10	10	ND	ND	ND	ND	21	ND	ND	118
ST-88 L2N 6+50E	.1	6.44	ND	ND	72	ND	.44	.1	28	64	98	5.32	.05	.64	741	1	.01	51	.06	11	ND	ND	ND	ND	15	ND	ND	61
ST-88 L2N 7+00E	.1	5.85	ND	ND	90	ND	.36	.4	41	58	115	6.33	.06	.71	1797	2	.01	57	.08	11	ND	ND	ND	ND	14	ND	ND	138
ST-88 L2N 7+50E	.1	8.35	ND	ND	86	ND	.52	.1	34	86	155	6.16	.05	.97	683	1	.01	72	.08	4	ND	ND	ND	ND	21	ND	ND	85
ST-88 L2N 8+00E	.1	6.07	ND	ND	103	ND	.52	.2	35	73	170	6.23	.06	.75	986	1	.01	82	.04	7	ND	ND	ND	ND	19	ND	ND	74
ST-88 L2N 8+50E	.2	3.15	ND	ND	54	ND	.44	.1	23	52	45	6.30	.06	.43	347	1	.01	40	.02	11	ND	ND	ND	ND	16	ND	ND	51
ST-88 L2N 9+00E	.2	5.91	ND	ND	39	ND	.44	.1	25	70	122	6.58	.06	.83	495	2	.01	52	.10	6	ND	ND	ND	ND	15	ND	ND	75
ST-88 L2N 9+50E	.1	4.49	ND	ND	59	4	.45	.2	29	52	76	5.08	.05	.50	1256	1	.01	41	.12	11	ND	ND	ND	ND	16	ND	ND	74
ST-88 L2N 10+00E	.4	5.76	ND	ND	42	ND	.51	.3	35	83	196	6.30	.06	1.39	508	2	.01	75	.06	7	ND	ND	ND	ND	16	ND	ND	70
ST-88 L2N 10+50E	.1	4.74	6	ND	100	ND	.44	.2	33	52	207	6.81	.07	.69	2508	1	.01	55	.13	9	ND	ND	6	ND	21	ND	ND	108
ST-88 L2N 11+00E	.2	3.85	ND	ND	82	ND	.53	.2	28	43	64	5.19	.05	.56	774	1	.01	44	.08	10	ND	ND	ND	ND	18	ND	ND	90
ST-88 L2N 11+50E	.3	3.77	ND	ND	164	ND	.77	.5	61	52	120	7.44	.08	1.00	7307	ND	.01	60	.11	15	ND	ND	ND	ND	35	ND	ND	153
ST-88 L2N 12+00E	.1	5.33	ND	ND	69	ND	.63	.2	38	53	81	5.72	.06	.70	2274	1	.01	59	.12	11	ND	ND	ND	ND	18	ND	ND	103
ST-88 L2N 12+50E	.1	9.25	ND	ND	140	ND	.94	5.1	46	68	143	5.48	.08	.65	3255	1	.01	83	.13	4	ND	ND	ND	ND	23	ND	ND	556
ST-88 L2N 13+00E	.1	3.49	ND	ND	114	ND	.75	.6	33	43	136	5.83	.06	.50	4031	1	.01	41	.13	14	ND	ND	ND	ND	33	ND	ND	124
ST-88 L2N 13+50E	.1	3.37	ND	ND	89	3	.48	.2	25	49	62	5.14	.05	.43	805	1	.01	37	.05	12	ND	ND	ND	ND	19	ND	ND	87
ST-88 L2N 14+00E	.1	5.66	ND	ND	89	ND	.45	.2	26	58	95	6.25	.06	.46	701	1	.01	50	.07	8	ND	ND	ND	ND	18	ND	ND	76
ST-88 L2N 14+50E	.1	3.54	ND	ND	45	ND	.54	.2	51	47	64	5.07	.05	.58	1274	1	.01	45	.06	9	ND	ND	ND	ND	18	ND	ND	51
ST-88 L2N 15+00E	.1	2.91	ND	ND	68	ND	.44	.1	25	40	61	5.19	.05	.35	1123	ND	.01	34	.06	9	ND	ND	ND	ND	17	ND	ND	64
ST-88 L2N 16+50E	.1	6.30	ND	ND	141	ND	.91	.5	44	89	277	5.32	.06	1.43	2292	1	.01	77	.17	10	ND	ND	ND	ND	29	ND	ND	110
ST-88 L2N 2+00W	.1	5.37	ND	ND	36	ND	.26	.3	22	55	57	7.03	.07	.45	311	1	.01	36	.04	8	ND	ND	ND	ND	8	ND	ND	36
ST-88 L2N 2+50W	.1	6.10	ND	ND	33	ND	.24	.1	38	164	93	8.05	.06	2.40	1239	1	.01	90	.06	6	ND	ND	ND	ND	7	ND	ND	82
ST-88 L2N 3+00W	.1	4.24	ND	ND	68	ND	.39	.2	32	58	88	4.82	.05	.61	2220	1	.01	43	.06	10	ND	ND	ND	ND	15	ND	ND	80
ST-88 L2N 3+50W	.1	8.03	ND	ND	66	ND	.32	.3	29	61	162	5.24	.05	.78	931	2	.01	53	.07	6	ND	ND	ND	ND	13	ND	ND	113
ST-88 L2N 4+00W	.1	3.89	11	ND	106	ND	.36	.1	33	35	61	4.27	.05	.46	3524	1	.01	37	.07	9	ND	ND	ND	ND	13	ND	ND	137
ST-88 L2N 4+50W	.1	3.13	6	ND	108	ND	.38	.3	36	26	61	4.98	.05	.51	7728	1	.01	30	.10	12	ND	ND	ND	ND	33	ND	ND	126
ST-88 L2N 5+00W	.1	4.17	8	ND	77	ND	.28	.3	31	39	100	4.83	.05	.96	3088	1	.01	42	.08	11	ND	ND	ND	ND	12	ND	ND	102
ST-88 L2N 5+50W	.1	5.20	12	ND	73	ND	.64	.3	41	93	218	6.35	.07	2.34	3118	1	.01	81	.07	7	ND	ND	ND	ND	17	ND	ND	90
ST-88 L2N 6+00W	.1	5.80	ND	ND	44	ND	.45	.4	30	53	112	4.70	.05	.93	1233	2	.01	50	.14	8	ND	ND	ND	ND	15	ND	ND	78
ST-88 L2N 6+50W	.1	4.17	ND	ND	64	ND	.44	.3	28	53	85	4.75	.05	.58	2154	1	.01	38	.15	11	ND	ND	ND	ND	23	ND	ND	87
ST-88 L4N 0+50E	.1	4.37	ND	ND	43	ND	.44	.1	26	56	70	5.52	.05	.52	523	1	.01	47	.05	10	ND	ND	ND	ND	13	ND	ND	63
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPB	PT PPB	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L4N 1+00E	.1	5.67	ND	ND	71	ND	.64	.2	43	69	80	5.57	.06	.70	1271	2	.01	72	.04	12	ND	ND	ND	ND	19	ND	ND	74
ST-88 L4N 1+50E	.1	4.08	ND	ND	36	4	.64	.3	29	54	92	5.49	.06	.52	524	1	.01	45	.03	13	ND	ND	ND	ND	18	ND	ND	52
ST-88 L4N 2+00E	.2	6.54	ND	ND	47	ND	.59	.2	34	90	152	6.66	.06	.81	446	2	.01	69	.05	8	ND	ND	ND	ND	18	ND	ND	59
ST-88 L4N 2+50E	.1	4.41	ND	ND	79	ND	.65	.4	38	64	64	6.27	.06	.55	2418	1	.01	53	.07	17	ND	ND	ND	ND	18	ND	ND	106
ST-88 L4N 3+00E	.2	5.90	ND	ND	40	ND	.76	.4	29	69	92	6.17	.06	.61	489	2	.01	50	.06	12	ND	ND	ND	ND	20	ND	ND	55
ST-88 L4N 3+50E	.1	4.51	ND	ND	57	ND	.43	.1	23	52	92	5.99	.06	.35	634	1	.01	41	.07	15	ND	ND	ND	ND	18	ND	ND	94
ST-88 L4N 4+00E	.1	5.55	ND	ND	51	ND	.68	.2	34	68	189	6.08	.06	1.06	552	1	.01	71	.04	11	ND	ND	ND	ND	21	ND	ND	67
ST-88 L4N 4+50E	.4	5.65	ND	ND	32	ND	.63	.3	43	65	192	7.40	.07	1.72	820	2	.01	78	.07	8	ND	ND	ND	ND	19	ND	ND	90
ST-88 L4N 5+00E	.1	5.89	ND	ND	77	ND	.45	.2	35	59	103	6.43	.06	.78	2024	1	.01	57	.10	10	ND	ND	ND	ND	19	ND	ND	115
ST-88 L4N 5+50E	.1	5.97	ND	ND	92	3	.43	.2	27	51	114	5.00	.05	.60	995	2	.01	55	.07	9	ND	ND	ND	ND	19	ND	ND	65
ST-88 L4N 6+00E	.2	7.30	ND	ND	42	ND	.51	.5	34	81	186	6.43	.06	1.16	597	2	.01	71	.07	6	ND	ND	ND	ND	18	ND	ND	74
ST-88 L4N 6+50E	.1	5.17	ND	ND	57	ND	.45	.1	23	58	100	5.99	.06	.63	644	1	.01	46	.08	12	ND	ND	ND	ND	18	ND	ND	75
ST-88 L4N 7+00E	.1	3.58	4	ND	34	3	.39	.1	15	44	60	4.82	.05	.27	395	1	.01	26	.07	15	ND	ND	ND	ND	16	ND	ND	51
ST-88 L4N 7+50E	.1	4.29	ND	ND	73	ND	.55	.2	39	69	98	6.22	.06	.68	927	1	.01	59	.04	13	ND	ND	ND	ND	24	ND	ND	77
ST-88 L4N 8+00E	.1	3.27	10	ND	93	ND	.60	.1	30	48	75	4.92	.05	.64	4694	1	.01	45	.24	12	ND	ND	ND	ND	19	ND	ND	127
ST-88 L4N 8+50E	.1	3.44	ND	ND	115	ND	.54	.3	35	63	112	5.66	.06	.56	2812	1	.01	55	.07	15	ND	ND	4	ND	22	ND	ND	128
ST-88 L4N 9+00E	.1	3.08	4	ND	48	ND	.50	.2	23	46	68	5.34	.05	.43	558	1	.01	35	.06	13	ND	ND	ND	ND	18	ND	ND	73
ST-88 L4N 9+50E	.1	5.62	ND	ND	34	ND	.55	.4	32	73	223	5.70	.06	1.18	491	2	.01	64	.05	6	ND	ND	ND	ND	18	ND	ND	53
ST-88 L4N 10+00E	.1	3.75	ND	ND	54	ND	.56	.3	28	60	63	6.19	.06	.76	751	1	.01	42	.04	13	ND	ND	ND	ND	27	ND	ND	95
ST-88 L4N 10+50E	.1	3.11	5	ND	128	ND	.64	.2	25	39	62	4.51	.04	.44	2187	1	.01	38	.06	13	ND	ND	ND	ND	23	ND	ND	97
ST-88 L4N 11+00E	.1	4.16	4	ND	116	ND	.85	.2	32	42	108	3.75	.05	.48	5775	1	.01	45	.08	12	ND	ND	ND	ND	42	ND	ND	109
ST-88 L4N 11+50E	.1	6.24	ND	ND	137	ND	.56	.3	28	70	151	5.80	.06	.69	870	2	.01	61	.07	3	ND	ND	ND	ND	27	ND	ND	100
ST-88 L4N 12+00E	.1	5.16	10	ND	127	ND	.60	.1	29	75	124	5.83	.05	.89	759	2	.01	70	.06	4	ND	ND	ND	ND	19	ND	ND	88
ST-88 L4N 12+50E	.1	3.50	7	ND	69	4	.58	.2	25	46	91	4.80	.04	.63	1005	1	.01	42	.08	14	ND	ND	ND	ND	19	ND	ND	60
ST-88 L4N 13+00E	.1	8.08	ND	ND	59	ND	1.47	.2	32	77	179	4.35	.06	1.26	893	2	.01	59	.11	7	ND	ND	ND	ND	55	ND	ND	69
ST-88 L4N 13+50E	.1	4.83	12	ND	70	ND	.86	.1	25	76	159	5.08	.06	.68	669	2	.01	55	.04	16	ND	ND	ND	ND	23	ND	ND	47
ST-88 L4N 14+00E	.1	4.89	5	ND	36	ND	.56	.3	20	46	100	4.74	.05	.65	423	2	.01	41	.15	10	ND	ND	ND	ND	16	ND	ND	48
ST-88 L4N 14+50E	.1	3.95	ND	ND	56	ND	.44	.1	32	34	162	6.12	.06	.39	1032	1	.01	39	.20	13	ND	ND	ND	ND	22	ND	ND	85
ST-88 L4N 15+00E	.1	2.84	6	ND	61	ND	.59	.3	29	28	388	5.01	.05	.55	1298	1	.01	31	.08	12	ND	ND	ND	ND	19	ND	ND	94
ST-88 L4N 15+50E	.1	4.41	ND	ND	97	ND	.52	.1	27	42	113	4.92	.05	.96	752	2	.01	53	.02	13	ND	ND	ND	ND	22	ND	ND	73
ST-88 L4N BL	.1	6.22	ND	ND	70	ND	1.72	.4	54	173	192	7.13	.08	3.49	3899	1	.01	113	.05	2	ND	ND	ND	ND	25	ND	ND	128
ST-88 L4N 0+50W	.1	4.91	3	ND	62	ND	1.13	.5	38	102	180	5.75	.07	2.02	2163	2	.01	79	.04	5	ND	ND	ND	ND	25	ND	ND	92
ST-88 L4N 1+00W	.1	5.22	ND	ND	53	ND	1.33	.3	41	166	70	6.10	.07	2.66	1491	1	.01	122	.02	3	ND	ND	ND	ND	21	ND	ND	90
ST-88 L4N 1+50W	.1	5.19	ND	ND	49	ND	.48	.1	21	44	51	4.58	.04	.30	427	2	.01	31	.06	11	ND	ND	ND	ND	17	ND	ND	67
ST-88 L4N 2+00W	.1	5.58	ND	ND	70	ND	.58	.3	27	64	98	6.51	.06	.66	1562	2	.01	51	.08	11	ND	ND	ND	ND	17	ND	ND	76
ST-88 L4N 2+50W	.1	4.12	ND	ND	80	ND	1.08	.6	33	57	76	5.54	.07	.72	1691	1	.01	56	.05	10	ND	ND	ND	ND	22	ND	ND	116
ST-88 L4N 3+00W	.1	4.76	ND	ND	46	ND	1.06	.2	38	77	77	5.72	.06	.94	772	2	.01	57	.10	7	ND	ND	ND	ND	20	ND	ND	97
ST-88 L4N 3+50W	.1	6.26	ND	ND	40	ND	.41	.2	20	59	88	4.95	.04	.44	608	2	.01	36	.08	6	ND	ND	ND	ND	14	ND	ND	59
ST-88 L4N 4+00W	.1	5.19	ND	ND	92	ND	.44	.2	42	52	118	6.45	.04	1.25	3188	1	.01	65	.11	6	ND	ND	ND	ND	28	ND	ND	124
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L4N 4+50W	.1	3.12	8	ND	96	ND	.43	.3	23	34	56	4.34	.05	.43	2662	ND	.01	29	.12	11	ND	ND	ND	ND	14	ND	ND	134
ST-88 L4N 5+00W	.1	7.00	ND	ND	104	ND	.50	.4	32	69	164	5.85	.05	.94	795	2	.01	65	.06	2	ND	ND	ND	ND	16	ND	ND	85
ST-88 L4N 5+50W	.1	5.94	3	ND	63	ND	.36	.3	27	60	123	6.40	.05	.94	873	2	.01	54	.08	4	ND	ND	ND	ND	12	ND	ND	88
ST-88 L4N 6+00W	.1	4.48	4	ND	76	ND	.44	.4	25	64	127	5.12	.05	.98	1298	1	.01	42	.20	21	ND	ND	ND	ND	19	ND	ND	94
ST-88 L4N 6+50W	.1	3.72	11	ND	71	ND	.60	.3	23	38	95	4.58	.05	.66	398	1	.01	42	.03	5	ND	ND	ND	ND	19	ND	ND	51
ST-88 L4N 7+00W	.1	2.75	13	ND	61	ND	.44	.1	20	34	38	3.54	.04	.30	941	ND	.01	21	.07	11	ND	ND	ND	1	19	ND	ND	76
ST-88 L6N BL	.1	4.94	ND	ND	103	ND	.51	.4	37	77	86	6.53	.06	.96	2042	1	.01	59	.03	6	ND	ND	ND	ND	19	ND	ND	98
ST-88 L6N 0+50E	.1	5.41	5	ND	87	ND	.68	.3	31	78	100	6.56	.06	.98	1124	1	.01	69	.13	7	ND	ND	ND	ND	24	ND	ND	107
ST-88 L6N 1+00E	.1	4.83	ND	ND	75	ND	1.16	.4	38	87	73	5.91	.07	1.26	1184	1	.01	72	.06	6	ND	ND	ND	ND	21	ND	ND	122
ST-88 L6N 1+50E	.4	3.77	3	ND	52	ND	.60	.3	26	50	62	5.41	.05	.72	690	ND	.01	42	.06	7	ND	ND	ND	ND	23	ND	ND	70
ST-88 L6N 2+00E	.4	3.85	ND	ND	90	ND	1.62	.3	38	81	82	5.75	.08	.56	1115	1	.01	49	.04	12	ND	ND	ND	ND	18	ND	ND	97
ST-88 L6N 2+50E	.1	5.45	ND	ND	44	ND	.56	.1	28	61	113	5.79	.06	.81	779	1	.01	46	.08	7	ND	ND	ND	ND	17	ND	ND	82
ST-88 L6N 3+00E	.1	6.23	ND	ND	51	ND	.48	.2	27	64	114	6.44	.06	.64	575	1	.01	47	.08	5	ND	ND	ND	ND	17	ND	ND	114
ST-88 L6N 3+50E	.1	6.35	ND	ND	38	ND	.44	.3	24	66	111	6.30	.06	.93	497	1	.01	49	.12	3	ND	ND	ND	ND	14	ND	ND	75
ST-88 L6N 4+00E	.1	4.32	ND	ND	38	ND	.52	.1	22	62	89	7.26	.07	.65	445	ND	.01	42	.08	8	ND	ND	ND	ND	18	ND	ND	58
ST-88 L6N 4+50E	.1	5.10	ND	ND	48	ND	.48	.1	30	67	81	6.80	.06	.50	298	1	.01	48	.04	6	ND	ND	ND	ND	17	ND	ND	52
ST-88 L6N 5+00E	.1	6.66	ND	ND	49	ND	.48	.3	27	88	119	7.29	.06	.78	621	1	.01	58	.13	3	ND	ND	ND	ND	16	ND	ND	73
ST-88 L6N 5+50E	.1	6.39	ND	ND	34	ND	.43	.4	29	82	150	5.99	.06	1.00	529	2	.01	56	.11	4	ND	ND	ND	ND	14	ND	ND	75
ST-88 L6N 6+00E	.1	5.37	ND	ND	44	ND	.36	.2	21	59	97	5.77	.06	.40	835	1	.01	37	.11	6	ND	ND	ND	ND	14	ND	ND	82
ST-88 L6N 6+50E	.1	3.52	37	ND	31	ND	.40	.2	38	57	247	9.64	.08	1.43	1232	ND	.01	68	.08	7	ND	ND	5	ND	14	ND	ND	116
ST-88 L6N 7+00E	.4	3.94	ND	ND	76	ND	.55	.4	42	59	87	6.96	.07	.60	1816	1	.01	55	.13	12	ND	ND	ND	ND	18	ND	ND	155
ST-88 L6N 7+50E	.1	4.32	5	ND	70	ND	.48	.4	33	73	106	6.16	.06	.89	853	1	.01	62	.12	9	ND	ND	ND	ND	16	ND	ND	113
ST-88 L6N 8+00E	.4	2.32	6	ND	58	ND	.51	.2	27	55	40	5.55	.06	.30	558	ND	.01	30	.02	9	ND	ND	ND	2	19	ND	ND	54
ST-88 L6N 8+50E	.1	5.85	19	ND	94	ND	.68	.3	31	59	151	5.12	.06	.94	1860	1	.01	52	.13	3	ND	ND	ND	ND	17	ND	ND	90
ST-88 L6N 9+00E	.1	1.87	15	ND	83	3	.46	.1	20	33	29	3.94	.05	.16	3410	ND	.01	19	.10	11	ND	ND	ND	ND	18	ND	ND	84
ST-88 L6N 9+50E	.1	2.66	ND	ND	71	ND	.55	.2	30	53	43	6.43	.07	.32	1960	ND	.01	34	.05	13	ND	ND	ND	ND	20	ND	ND	97
ST-88 L6N 10+00E	.1	3.72	ND	ND	27	ND	.43	.2	23	46	83	5.91	.06	.27	395	1	.01	30	.06	8	ND	ND	ND	ND	19	ND	ND	83
ST-88 L6N 10+50E	.1	6.30	ND	ND	65	ND	.68	.5	33	80	130	6.61	.07	.94	648	1	.01	72	.08	4	ND	ND	ND	ND	19	ND	ND	99
ST-88 L6N 11+00E	.1	6.61	ND	ND	56	ND	.64	.3	33	86	128	6.00	.06	1.02	809	1	.01	64	.06	1	ND	ND	ND	ND	31	ND	ND	68
ST-88 L6N 11+50E	.1	2.82	5	ND	39	ND	.48	.2	18	33	49	4.69	.05	.35	274	ND	.01	27	.02	8	ND	ND	ND	ND	16	ND	ND	58
ST-88 L6N 12+00E	.1	3.54	3	ND	66	ND	.43	.1	24	34	55	5.12	.05	.28	810	1	.01	29	.08	9	ND	ND	ND	ND	17	ND	ND	98
ST-88 L6N 12+50E	.1	6.30	ND	ND	79	4	.40	.2	27	54	64	5.50	.05	.51	877	2	.01	33	.17	6	ND	ND	ND	ND	14	ND	ND	79
ST-88 L6N 13+00E	.1	4.58	ND	ND	60	3	.46	.2	27	47	83	5.16	.06	.46	628	1	.01	39	.06	8	ND	ND	ND	ND	18	ND	ND	78
ST-88 L6N 13+50E	.3	2.49	6	ND	58	3	.46	.1	22	40	46	4.94	.05	.44	341	1	.01	36	.03	10	ND	ND	ND	ND	17	ND	ND	51
ST-88 L6N 14+00E	.1	3.42	9	ND	60	3	.50	.5	23	48	88	5.22	.05	.65	491	1	.01	38	.04	12	ND	ND	ND	ND	20	ND	ND	139
ST-88 L6N 14+50E	.1	4.37	ND	ND	56	3	.38	.2	17	40	40	4.57	.05	.35	456	1	.01	26	.08	13	ND	ND	ND	ND	14	ND	ND	57
ST-88 L6N 15+00E	.1	5.37	ND	ND	97	ND	.46	.2	25	66	90	6.55	.06	.59	1560	1	.01	45	.16	9	ND	ND	ND	ND	15	ND	ND	89
ST-88 L6N 15+50E	.1	6.24	ND	ND	61	ND	.51	.3	28	57	381	5.60	.06	.44	594	2	.01	50	.05	3	ND	ND	ND	ND	18	ND	ND	66
ST-88 L6N 16+00E	.1	3.97	ND	ND	55	ND	.64	.3	22	37	123	4.90	.05	.66	374	1	.01	42	.02	4	ND	ND	ND	ND	16	ND	ND	42
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L6N 0+50W	.1	4.16	ND	ND	117	ND	.64	.2	38	101	70	6.23	.06	1.56	3498	1	.01	64	.12	12	ND	ND	ND	ND	24	ND	ND	138
ST-88 L6N 1+00W	.1	6.12	ND	ND	33	ND	.38	.1	14	66	69	5.74	.05	.34	496	2	.01	31	.08	10	ND	ND	ND	ND	11	ND	ND	59
ST-88 L6N 1+50W	.1	4.20	ND	ND	63	ND	.98	.2	38	84	57	7.19	.08	.63	5280	ND	.01	53	.08	12	ND	ND	ND	ND	12	ND	ND	104
ST-88 L6N 2+00W	.1	3.45	ND	ND	29	ND	.56	.1	19	52	68	5.80	.06	.73	545	ND	.01	40	.05	10	ND	ND	ND	ND	13	ND	ND	59
ST-88 L6N 2+50W	.1	3.94	ND	ND	32	ND	.63	1.5	33	51	57	4.80	.06	.53	414	1	.01	44	.04	11	ND	ND	ND	ND	13	ND	ND	192
ST-88 L6N 3+00W	.1	4.12	ND	ND	60	ND	.65	.2	27	66	70	5.90	.06	.53	315	1	.01	45	.03	11	ND	ND	ND	ND	17	ND	ND	59
ST-88 L6N 3+50W	.1	3.95	ND	ND	193	ND	.89	.3	53	90	67	6.05	.07	1.38	10465	1	.01	69	.08	14	ND	ND	ND	ND	18	ND	ND	153
ST-88 L6N 4+00W	.4	2.33	7	ND	44	5	.96	.2	20	48	36	4.69	.06	.51	808	ND	.01	30	.04	12	ND	ND	ND	3	18	ND	ND	50
ST-88 L6N 4+50W	.1	6.71	ND	ND	78	ND	.52	.3	25	109	170	5.04	.05	1.04	1156	2	.01	68	.07	5	ND	ND	ND	ND	22	ND	ND	65
ST-88 L6N 5+00W	.1	6.33	ND	ND	37	ND	.08	.2	38	84	467	8.16	.06	2.62	1227	1	.01	80	.08	1	ND	ND	ND	ND	4	ND	ND	144
ST-88 L6N 5+50W	.4	4.70	4	ND	56	3	.40	.1	33	53	127	6.94	.06	.86	1209	2	.01	68	.11	10	ND	ND	ND	ND	13	ND	ND	106
ST-88 L6N 6+00W	.1	6.76	20	ND	134	ND	.61	.3	36	89	300	7.41	.08	1.46	1005	2	.01	80	.05	3	ND	ND	ND	ND	16	ND	ND	92
ST-88 L6N 6+50W	.1	4.37	4	ND	73	ND	.43	.3	24	41	62	5.82	.06	.81	794	2	.01	42	.08	10	ND	ND	ND	ND	16	ND	ND	130
ST-88 L6N 7+00W	.1	3.89	22	ND	82	ND	.06	.1	27	89	62	4.76	.04	.80	1006	1	.01	57	.08	6	ND	ND	ND	ND	3	ND	ND	79
ST-88 L8N BL	.2	3.30	ND	ND	113	ND	.88	.4	49	116	61	5.98	.06	1.83	2122	ND	.01	78	.08	12	ND	ND	ND	ND	16	ND	ND	116
ST-88 L8N 0+50E	.3	3.04	4	ND	78	4	.86	.2	31	65	61	5.55	.06	1.11	1537	ND	.01	52	.03	12	ND	ND	ND	ND	19	ND	ND	60
ST-88 L8N 1+00E	.2	4.50	ND	ND	44	ND	.52	.3	24	40	97	7.25	.07	.50	999	1	.01	41	.06	13	ND	ND	ND	ND	20	ND	ND	63
ST-88 L8N 1+50E	.1	5.01	ND	ND	35	ND	.39	.1	23	52	93	6.46	.06	.65	521	1	.01	47	.08	10	ND	ND	ND	ND	11	ND	ND	70
ST-88 L8N 2+00E	.1	4.47	ND	ND	57	ND	.56	.1	35	42	110	5.25	.05	1.14	1655	1	.01	56	.08	11	ND	ND	ND	ND	12	ND	ND	81
ST-88 L8N 2+50E	.2	6.69	ND	ND	73	ND	.30	.4	34	57	143	7.94	.06	1.06	778	1	.01	64	.10	10	ND	ND	ND	ND	15	ND	ND	92
ST-88 L8N 3+00E	.1	4.12	ND	ND	44	ND	.46	.1	21	61	60	6.94	.06	.56	867	1	.01	43	.14	12	ND	ND	ND	ND	12	ND	ND	90
ST-88 L8N 3+50E	.2	1.95	8	ND	40	3	.68	.1	17	32	27	4.55	.06	.17	1738	ND	.01	19	.07	14	ND	ND	ND	1	11	ND	ND	49
ST-88 L8N 4+00E	.1	3.41	7	ND	133	3	.56	.1	24	42	39	4.60	.06	.41	4081	1	.01	33	.12	18	ND	ND	ND	ND	17	ND	ND	80
ST-88 L8N 4+50E	.1	2.02	3	ND	103	ND	.44	.2	46	71	71	6.79	.07	.44	8825	ND	.01	40	.12	17	ND	ND	ND	3	19	ND	ND	117
ST-88 L8N 5+00E	.1	3.02	16	ND	122	ND	.41	.2	27	98	43	5.82	.06	1.06	3668	ND	.01	58	.12	15	ND	ND	ND	ND	13	ND	ND	97
ST-88 L8N 5+50E	.1	5.66	ND	ND	66	ND	.78	.4	51	136	99	7.66	.07	2.72	1605	1	.01	114	.06	4	ND	ND	ND	ND	16	ND	ND	116
ST-88 L8N 6+50E	.1	3.67	5	ND	43	3	.44	.1	19	58	58	5.05	.05	.58	540	1	.01	40	.11	11	ND	ND	ND	ND	12	ND	ND	71
ST-88 L8N 7+00E	.2	4.09	ND	ND	115	3	.56	.1	33	77	76	5.98	.06	.88	2192	1	.01	65	.07	10	ND	ND	ND	ND	18	ND	ND	86
ST-88 L8N 7+50E	.2	4.83	4	ND	78	3	.51	.2	27	72	70	5.54	.05	.69	1225	1	.01	53	.08	12	ND	ND	ND	ND	15	ND	ND	92
ST-88 L8N 8+00E	.2	2.91	10	ND	68	3	.45	.4	22	32	74	4.59	.05	.46	987	1	.01	33	.07	11	ND	ND	ND	ND	14	ND	ND	74
ST-88 L8N 8+50E	.4	3.62	ND	ND	77	ND	.86	.1	44	44	86	8.00	.08	1.18	3456	ND	.01	58	.08	12	ND	ND	ND	2	35	ND	ND	114
ST-88 L8N 9+00E	.6	5.20	ND	ND	120	ND	.86	.3	55	53	131	9.61	.08	2.18	2574	ND	.01	80	.08	10	ND	ND	ND	ND	21	ND	ND	134
ST-88 L8N 9+50E	.4	2.72	3	ND	58	4	.56	.1	28	51	51	6.08	.06	.96	1293	ND	.01	44	.05	12	ND	ND	ND	2	21	ND	ND	75
ST-88 L8N 10+00E	.3	2.18	8	ND	114	3	.76	.1	28	28	48	4.79	.06	.53	2559	ND	.01	32	.08	13	ND	ND	ND	2	22	ND	ND	68
ST-88 L8N 10+50E	.1	3.54	ND	ND	53	ND	.40	.3	23	36	84	5.19	.05	.44	819	1	.01	34	.05	10	ND	ND	ND	ND	14	ND	ND	77
ST-88 L8N 11+00E	.1	4.22	ND	ND	54	3	.40	.1	20	33	51	4.47	.04	.34	686	1	.01	31	.08	10	ND	ND	ND	ND	14	ND	ND	67
ST-88 L8N 11+50E	.2	2.57	10	ND	55	3	.45	.1	19	35	42	4.40	.04	.44	776	ND	.01	31	.05	11	ND	ND	ND	1	15	ND	ND	68
ST-88 L8N 12+00E	.2	4.42	ND	ND	52	ND	.50	.2	26	46	79	5.76	.05	.60	720	1	.01	49	.11	12	ND	ND	ND	ND	14	ND	ND	70
ST-88 L8N 12+50E	.1	4.82	ND	ND	166	ND	1.39	.3	45	32	137	6.32	.08	1.10	7357	1	.01	60	.25	12	ND	ND	ND	ND	26	ND	ND	147
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L8N 13+00E	.1	2.57	4	ND	113	ND	1.82	.1	24	61	82	4.45	.06	.98	1770	1	.01	63	.04	16	ND	ND	ND	ND	27	ND	ND	85
ST-88 L8N 13+50E	.2	3.12	ND	ND	90	ND	.97	.1	53	99	52	6.68	.06	1.28	7207	1	.01	86	.15	16	ND	ND	ND	10	20	ND	ND	131
ST-88 L8N 14+00E	.1	4.64	ND	ND	61	ND	.67	.1	24	42	71	5.26	.05	.85	1396	1	.01	54	.24	11	ND	ND	ND	ND	13	ND	ND	78
ST-88 L8N 14+50E	.1	4.47	ND	ND	70	ND	.63	.1	26	42	82	5.05	.05	.74	807	1	.01	62	.03	12	ND	ND	ND	ND	18	ND	ND	67
ST-88 L8N 15+00E	.1	5.63	ND	ND	190	ND	1.05	.1	27	46	124	4.94	.06	.99	1656	1	.01	67	.04	15	ND	ND	ND	ND	26	ND	ND	75
ST-88 L8N 15+50E	.1	4.76	ND	ND	122	ND	.59	.1	25	39	73	5.17	.05	.61	1321	1	.01	58	.10	12	ND	ND	ND	ND	16	ND	ND	91
ST-88 L8N 16+00E	.1	5.07	ND	ND	68	ND	.54	.1	26	44	99	4.95	.04	.83	777	1	.01	59	.07	8	ND	ND	ND	ND	13	ND	ND	66
ST-88 L8N BL	.1	2.83	ND	ND	42	ND	.50	.1	34	47	67	5.46	.05	.48	1020	1	.01	50	.08	11	ND	ND	ND	2	15	ND	ND	76
ST-88 L8N 0+50W	.1	4.22	ND	ND	62	ND	.70	.1	49	79	86	6.33	.06	1.06	1151	1	.01	89	.04	9	ND	ND	ND	1	15	ND	ND	105
ST-88 L8N 1+50W	.1	2.76	ND	ND	57	ND	.51	.1	23	43	51	5.17	.05	.33	938	1	.01	40	.03	13	ND	ND	ND	3	13	ND	ND	119
ST-88 L8N 2+00W	.1	3.53	ND	ND	38	ND	.57	.1	24	49	79	5.26	.05	.49	470	1	.01	49	.03	13	ND	ND	ND	1	13	ND	ND	81
ST-88 L8N 2+50W	.1	8.08	ND	ND	42	ND	.40	.1	23	76	161	6.56	.05	.58	785	ND	.01	60	.08	2	ND	ND	ND	ND	11	ND	ND	69
ST-88 L8N 3+00W	.1	5.24	ND	ND	47	ND	.61	.1	32	83	83	6.21	.07	.55	581	1	.01	78	.02	13	ND	ND	ND	ND	14	ND	ND	54
ST-88 L8N 3+50W	.1	3.06	ND	ND	69	3	.62	.1	28	53	51	5.19	.05	.61	748	1	.01	55	.03	11	ND	ND	ND	3	16	ND	ND	92
ST-88 L8N 4+00W	.1	2.59	ND	ND	49	ND	.54	.1	30	50	43	5.40	.05	.48	2088	1	.01	46	.03	13	ND	ND	ND	4	17	ND	ND	83
ST-88 L8N 4+50W	.1	5.78	ND	ND	67	ND	.93	.2	40	119	144	6.39	.08	.95	3424	1	.01	102	.06	8	ND	ND	ND	ND	16	ND	ND	86
ST-88 L8N 5+00W	.2	3.41	ND	ND	21	ND	1.28	.1	36	77	86	6.72	.08	.96	764	1	.01	65	.04	9	ND	ND	ND	5	24	ND	ND	71
ST-88 L8N 5+50W	.1	5.29	ND	ND	35	ND	.57	.1	31	111	108	6.03	.06	.88	970	1	.01	77	.03	5	ND	ND	ND	ND	12	ND	ND	54
ST-88 L8N 6+00W	.1	4.06	ND	ND	82	ND	.43	.1	18	37	60	4.75	.05	1.03	1993	1	.01	47	.08	5	ND	ND	ND	ND	10	ND	ND	97
ST-88 L8N 6+50W	.1	6.68	ND	ND	78	ND	.20	.1	37	66	232	8.09	.06	1.58	2193	1	.01	91	.15	1	ND	ND	ND	ND	7	ND	ND	130
ST-88 L8N 7+00W	.1	5.03	ND	ND	63	ND	.39	.1	30	34	133	6.23	.05	.82	822	1	.01	57	.10	9	ND	ND	ND	ND	10	ND	ND	107
ST-88 L10N BL	.1	5.10	ND	ND	47	ND	.54	.1	38	55	94	5.42	.06	.57	409	1	.01	68	.06	9	ND	ND	ND	ND	14	ND	ND	70
ST-88 L10N 0+50E	.1	6.25	ND	ND	44	ND	.46	.1	28	56	142	5.38	.05	.89	660	1	.01	67	.06	8	ND	ND	ND	ND	14	ND	ND	64
ST-88 L10N 1+00E	.1	3.03	ND	ND	40	ND	.40	.1	17	37	60	5.76	.05	.22	802	1	.01	35	.11	15	ND	ND	ND	2	13	ND	ND	82
ST-88 L10N 1+50E	.2	3.68	ND	ND	45	ND	.43	.1	25	38	60	5.34	.06	.33	514	1	.01	44	.05	17	ND	ND	ND	2	14	ND	ND	71
ST-88 L10N 2+00E	.1	2.95	ND	ND	54	ND	.44	.1	24	28	57	4.78	.05	.29	1201	1	.01	42	.08	15	ND	ND	ND	4	15	ND	ND	80
ST-88 L10N 2+50E	.1	4.15	ND	ND	40	3	.47	.2	23	46	136	4.59	.05	.50	528	1	.01	53	.07	13	ND	ND	ND	ND	12	ND	ND	85
ST-88 L10N 3+00E	.3	3.50	ND	ND	31	ND	.48	.1	26	68	102	6.16	.06	.81	461	1	.01	63	.09	15	ND	ND	ND	5	16	ND	ND	74
ST-88 L10N 3+50E	.1	2.55	ND	ND	41	ND	.49	.1	26	31	37	4.37	.04	.48	649	1	.01	42	.04	14	ND	ND	ND	3	15	ND	ND	71
ST-88 L10N 4+00E	.1	6.60	ND	ND	41	ND	.38	.1	25	56	79	5.68	.05	.55	396	1	.01	59	.06	7	ND	ND	ND	ND	11	ND	ND	76
ST-88 L10N 4+50E	.1	3.24	ND	ND	42	ND	.52	.1	24	51	116	4.93	.05	.80	448	1	.01	62	.05	11	ND	ND	ND	3	13	ND	ND	76
ST-88 L10N 5+00E	.3	4.40	ND	ND	49	ND	.49	.2	27	57	72	5.31	.05	.47	421	1	.01	51	.09	14	ND	ND	ND	3	17	ND	ND	101
ST-88 L10N 5+50E	.1	3.23	ND	ND	36	ND	.53	.1	23	43	76	5.00	.05	.57	441	1	.01	49	.03	15	ND	ND	ND	2	15	ND	ND	60
ST-88 L10N 6+00E	.1	2.40	ND	ND	47	ND	.51	.1	24	39	42	4.78	.05	.28	792	1	.01	37	.08	16	ND	ND	ND	7	18	ND	ND	92
ST-88 L10N 6+50E	.1	4.75	ND	ND	45	ND	.54	.2	28	59	88	4.88	.05	.87	582	1	.01	62	.06	8	ND	ND	ND	ND	16	ND	ND	84
ST-88 L10N 7+50E	.1	3.72	32	ND	185	ND	.64	.2	24	98	85	4.65	.05	.66	436	1	.01	58	.01	10	ND	ND	ND	ND	18	ND	ND	44
ST-88 L10N 8+00E	.1	5.84	ND	ND	214	ND	.42	.2	26	60	286	6.45	.07	.90	779	1	.01	89	.05	9	ND	ND	ND	ND	13	ND	ND	103
ST-88 L10N 8+50E	.1	2.31	49	ND	58	ND	.23	.2	29	118	117	9.31	.08	.27	616	1	.01	86	.01	18	ND	ND	19	ND	6	ND	ND	140
ST-88 L10N 9+00E	.1	4.41	ND	ND	74	ND	.46	.2	27	58	76	5.76	.05	.65	507	1	.01	62	.03	11	ND	ND	ND	ND	12	ND	ND	79
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L10N 9+50E	.1	4.42	4	ND	100	ND	.67	.7	34	76	111	7.41	.07	.52	1566	1	.01	75	.03	58	ND	ND	9	ND	17	ND	ND	139
ST-88 L10N10+00E	.1	5.65	ND	ND	150	ND	.62	.5	35	74	104	6.96	.06	.66	1297	1	.01	82	.06	29	ND	ND	ND	ND	16	ND	ND	115
ST-88 L10N10+50E	.1	4.45	ND	ND	69	ND	.58	.1	26	42	89	5.34	.05	.66	678	1	.01	45	.11	10	ND	ND	ND	1	16	ND	ND	87
ST-88 L10N11+00E	.1	2.22	ND	ND	86	ND	.52	.2	20	28	39	4.05	.04	.37	1238	ND	.01	28	.01	14	ND	ND	ND	3	18	ND	ND	62
ST-88 L10N11+50E	.1	6.60	ND	ND	106	ND	.92	.3	33	58	87	5.54	.07	.68	1697	1	.01	60	.05	ND	ND	ND	ND	ND	21	ND	ND	84
ST-88 L10N12+00E	.1	4.99	10	ND	55	ND	.94	.2	29	47	90	5.63	.06	.86	567	1	.01	59	.03	5	ND	ND	ND	1	20	ND	ND	52
ST-88 L10N12+50E	.1	3.10	ND	ND	107	ND	.61	.1	27	44	56	5.33	.05	.57	1115	ND	.01	46	.03	13	ND	ND	ND	4	16	ND	ND	82
ST-88 L10N13+00E	.2	3.40	ND	ND	90	ND	.52	.1	29	46	55	6.43	.06	.51	709	ND	.01	43	.04	14	ND	ND	ND	4	16	ND	ND	73
ST-88 L10N13+50E	.1	6.28	ND	ND	79	ND	.74	.3	32	51	56	6.43	.07	.24	512	1	.01	49	.04	4	ND	ND	ND	ND	20	ND	ND	51
ST-88 L10N14+00E	.1	4.17	10	ND	77	ND	.61	.2	28	31	46	6.24	.06	.58	998	1	.01	40	.05	10	ND	ND	ND	2	25	ND	ND	73
ST-88 L10N 0+50W	.1	2.62	ND	ND	38	ND	.50	.1	18	33	49	4.21	.04	.22	1105	ND	.01	22	.05	12	ND	ND	ND	3	13	ND	ND	70
ST-88 L10N 1+00W	.1	2.82	3	ND	36	ND	.38	.1	15	30	68	4.44	.04	.20	581	ND	.01	23	.07	15	ND	ND	ND	3	13	ND	ND	73
ST-88 L10N 1+50W	.2	2.00	5	ND	48	3	.40	.1	26	22	26	3.65	.04	.13	1728	ND	.01	19	.07	20	ND	ND	ND	7	13	ND	ND	94
ST-88 L10N 2+00W	.1	5.84	ND	ND	46	ND	.38	.2	18	41	66	4.09	.04	.38	829	1	.01	32	.08	3	ND	ND	ND	ND	13	ND	ND	65
ST-88 L10N 2+50W	.1	3.95	6	ND	47	ND	.39	.1	20	38	65	5.46	.05	.27	628	ND	.01	33	.05	7	ND	ND	ND	ND	13	ND	ND	62
ST-88 L10N 3+00W	.1	5.07	9	ND	44	ND	.50	.2	28	53	384	5.75	.05	.69	487	1	.01	56	.08	5	ND	ND	ND	ND	14	ND	ND	88
ST-88 L10N 3+50W	.1	4.13	ND	ND	71	ND	.50	.6	29	52	74	6.52	.06	.42	1321	ND	.01	49	.08	12	ND	ND	ND	2	15	ND	ND	147
ST-88 L10N 4+00W	.1	4.17	9	ND	39	ND	.52	.3	25	40	81	4.72	.05	.48	423	2	.01	48	.04	8	ND	ND	ND	2	14	ND	ND	62
ST-88 L10N 4+50W	.1	3.39	ND	ND	56	ND	.62	.1	29	48	64	5.44	.05	.56	1046	ND	.01	55	.04	12	ND	ND	ND	2	17	ND	ND	83
ST-88 L10N 5+00W	.1	5.14	7	ND	51	ND	.65	.3	32	71	97	6.12	.05	.90	566	1	.01	71	.06	2	ND	ND	ND	ND	15	ND	ND	76
ST-88 L10N 5+50W	.1	4.86	7	ND	61	ND	.95	.2	36	90	78	6.32	.07	.91	1347	1	.01	83	.06	5	ND	ND	ND	ND	20	ND	ND	102
ST-88 L10N 6+00W	.1	5.20	3	ND	54	ND	.52	.1	28	65	220	5.91	.05	.68	590	2	.01	67	.07	4	ND	ND	ND	ND	13	ND	ND	77
ST-88 L10N 6+50W	.1	4.91	ND	ND	59	ND	.51	.2	35	48	94	6.28	.06	.98	1636	2	.01	56	.07	6	ND	ND	ND	ND	20	ND	ND	128
ST-88 L10N 7+00W	.1	5.72	ND	ND	65	ND	.50	.1	33	51	99	8.20	.07	.64	581	2	.01	49	.06	6	ND	ND	ND	ND	12	ND	ND	103
ST-88 L12N 0+00E	.1	3.02	ND	ND	53	ND	.41	.1	21	40	52	5.76	.05	.27	697	ND	.01	33	.03	14	ND	ND	ND	3	17	ND	ND	98
ST-88 L12N 0+50E	.1	5.25	ND	ND	44	ND	.45	.1	35	49	80	5.72	.06	.63	586	1	.01	55	.03	4	ND	ND	ND	ND	13	ND	ND	67
ST-88 L12N 1+00E	.1	3.63	ND	ND	33	ND	.42	.1	19	35	74	4.71	.05	.46	672	ND	.01	37	.05	9	ND	ND	ND	1	14	ND	ND	61
ST-88 L12N 1+50E	.1	5.46	ND	ND	35	ND	.84	1.1	25	58	78	6.01	.07	.57	704	1	.01	55	.03	2	ND	ND	ND	ND	17	ND	ND	111
ST-88 L12N 2+00E	.1	5.77	ND	ND	43	ND	.38	.3	17	42	66	4.45	.04	.48	887	1	.01	37	.10	1	ND	ND	ND	ND	12	ND	ND	77
ST-88 L12N 2+50E	.1	3.29	ND	ND	35	ND	.38	.1	20	45	71	5.24	.05	.16	592	ND	.01	33	.03	13	ND	ND	ND	1	12	ND	ND	97
ST-88 L12N 3+00E	.1	3.02	3	ND	55	ND	.42	.2	22	38	54	4.82	.05	.36	848	ND	.01	37	.03	13	ND	ND	ND	3	13	ND	ND	80
ST-88 L12N 3+50E	.1	1.85	3	ND	39	ND	.51	.2	18	25	22	3.48	.05	.16	1027	ND	.01	17	.02	18	ND	ND	ND	4	14	ND	ND	67
ST-88 L12N 4+00E	.1	4.76	ND	ND	30	ND	.45	.2	25	60	137	5.23	.05	.84	413	1	.01	52	.06	9	ND	ND	ND	1	13	ND	ND	57
ST-88 L12N 4+50E	.1	4.18	ND	ND	53	ND	.45	.1	19	39	67	4.39	.05	.44	1716	ND	.01	36	.06	12	ND	ND	ND	ND	15	ND	ND	63
ST-88 L12N 5+00E	.1	2.78	ND	ND	26	ND	.32	.3	13	41	27	5.31	.05	.24	445	ND	.01	26	.05	16	ND	ND	ND	2	12	ND	ND	37
ST-88 L12N 6+00E	.1	3.24	9	ND	69	ND	1.04	.6	34	103	65	8.40	.09	.32	4539	ND	.01	85	.05	20	ND	ND	ND	ND	16	ND	ND	144
ST-88 L12N 6+50E	.1	4.18	ND	ND	74	ND	.57	.1	21	37	48	4.34	.05	.48	1168	ND	.01	37	.08	10	ND	ND	ND	1	17	ND	ND	96
ST-88 L12N 7+00E	.1	4.61	ND	ND	41	ND	.49	.1	31	43	98	4.52	.05	.60	679	1	.01	44	.08	7	ND	ND	ND	ND	14	ND	ND	69
ST-88 L12N 7+50E	.1	4.92	16	ND	49	ND	.62	.3	26	65	113	4.77	.05	.88	411	1	.01	73	.02	5	ND	ND	ND	ND	14	ND	ND	51
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L12N 0+00E	.1	4.21	ND	ND	50	ND	.58	.1	24	43	85	4.77	.05	.63	385	1	.01	54	.01	8	ND	ND	ND	2	15	ND	ND	44
ST-88 L12N 0+50E	.1	5.64	ND	ND	64	ND	.52	.1	28	44	85	5.59	.05	.68	496	1	.01	65	.06	4	ND	ND	ND	ND	14	ND	ND	70
ST-88 L12N 1+00E	.1	3.96	ND	ND	59	ND	.56	.1	23	34	78	4.78	.04	.62	833	ND	.01	49	.03	10	ND	ND	ND	3	15	ND	ND	48
ST-88 L12N 1+50E	.1	4.79	ND	ND	44	ND	.61	.1	25	49	63	5.76	.06	.44	404	1	.01	57	.03	9	ND	ND	ND	2	16	ND	ND	37
ST-88 L12N10+00E	.1	3.74	ND	ND	77	ND	.62	.1	24	35	73	5.18	.05	.48	1176	ND	.01	53	.02	8	ND	ND	ND	2	18	ND	ND	55
ST-88 L12N10+50E	.1	2.90	ND	ND	61	ND	.42	.1	22	39	46	4.34	.04	.33	740	ND	.01	42	.06	14	ND	ND	ND	5	17	ND	ND	67
ST-88 L12N11+00E	.1	7.11	ND	ND	25	ND	.43	.2	23	60	162	4.17	.06	.90	391	1	.01	57	.07	ND	ND	ND	ND	ND	12	ND	ND	45
ST-88 L12N11+50E	.1	4.44	ND	ND	76	ND	.37	.1	33	46	57	5.23	.05	.35	1880	1	.01	53	.08	9	ND	ND	ND	1	14	ND	ND	97
ST-88 L12N12+00E	.2	4.11	ND	ND	53	ND	.47	.1	29	52	102	5.94	.05	.66	1320	1	.01	56	.11	13	ND	ND	ND	4	17	ND	ND	80
ST-88 L12N BL	.1	3.32	ND	ND	46	ND	.31	.1	22	41	57	5.91	.05	.15	320	ND	.01	44	.02	9	ND	ND	ND	3	13	ND	ND	88
ST-88 L12N 0+50W	.1	5.63	ND	ND	61	ND	.49	.2	23	54	70	5.91	.05	.56	1004	1	.01	57	.05	7	ND	ND	ND	ND	14	ND	ND	75
ST-88 L12N 1+00W	.1	4.45	ND	ND	38	ND	.42	.2	20	48	63	4.07	.04	.59	596	1	.01	46	.02	11	ND	ND	ND	ND	14	ND	ND	46
ST-88 L12N 1+50W	.1	4.42	ND	ND	64	ND	.54	.2	28	48	89	4.87	.05	.71	821	1	.01	61	.04	7	ND	ND	ND	1	15	ND	ND	62
ST-88 L12N 2+00W	.1	4.89	ND	ND	55	ND	.47	.2	23	47	121	5.68	.05	.49	647	ND	.01	49	.11	8	ND	ND	ND	ND	15	ND	ND	69
ST-88 L12N 2+50W	.1	3.31	ND	ND	41	ND	.42	.1	17	36	40	4.64	.05	.28	291	ND	.01	41	.01	11	ND	ND	ND	1	12	ND	ND	38
ST-88 L12N 3+00W	.1	4.93	ND	ND	62	ND	.48	.2	20	42	60	5.24	.05	.37	688	1	.01	47	.06	8	ND	ND	ND	1	17	ND	ND	78
ST-88 L12N 3+50W	.3	3.74	ND	ND	53	ND	.56	.1	26	37	80	5.62	.06	.46	1304	ND	.01	50	.06	10	ND	ND	ND	4	15	ND	ND	78
ST-88 L12N 4+00W	.1	5.55	ND	ND	37	ND	.37	.1	21	51	86	5.42	.05	.47	442	1	.01	50	.06	4	ND	ND	ND	ND	11	ND	ND	67
ST-88 L12N 4+50W	.1	3.85	ND	ND	71	ND	.72	.1	36	35	69	5.35	.06	.72	2072	ND	.01	68	.06	8	ND	ND	ND	2	17	ND	ND	93
ST-88 L12N 5+00W	.2	5.18	ND	ND	114	ND	.87	.1	52	51	109	7.38	.08	.77	3786	ND	.01	84	.09	7	ND	ND	ND	2	15	ND	ND	134
ST-88 L12N 5+50W	.1	4.79	10	ND	120	ND	.57	.4	37	60	177	7.84	.07	.98	2411	1	.01	88	.08	10	ND	ND	ND	ND	18	ND	ND	88
ST-88 L12N 6+00W	.1	4.64	ND	ND	70	ND	.76	.1	28	67	157	5.45	.06	.91	919	ND	.01	68	.04	4	ND	ND	ND	ND	17	ND	ND	64
ST-88 L12N 6+50W	.3	3.55	ND	ND	42	ND	.78	.1	37	98	43	6.99	.07	.90	1196	1	.01	67	.06	11	ND	ND	ND	5	13	ND	ND	85
ST-88 L12N 6+60W	.1	3.91	ND	ND	78	ND	.99	.2	25	40	102	4.90	.06	.97	907	1	.01	60	.03	5	ND	ND	ND	ND	19	ND	ND	126
ST-88 L12N 7+00W	.1	3.77	ND	ND	69	ND	.42	.1	27	37	71	5.16	.05	.50	1581	ND	.01	50	.04	9	ND	ND	ND	2	12	ND	ND	91
ST-88 L14N BL	.3	3.95	ND	ND	113	ND	.69	.3	47	47	77	6.12	.07	.81	4880	1	.01	71	.07	15	ND	ND	ND	4	20	ND	ND	118
ST-88 L14N 0+50E	.1	5.73	ND	ND	54	ND	.44	.1	20	49	89	5.77	.06	.46	955	1	.01	50	.10	6	ND	ND	ND	ND	16	ND	ND	76
ST-88 L14N 1+00E	.1	4.36	ND	ND	44	ND	.40	.1	19	41	60	4.56	.05	.44	624	1	.01	44	.03	9	ND	ND	ND	1	14	ND	ND	67
ST-88 L14N 1+50E	.1	3.76	ND	ND	90	ND	.49	.1	21	35	50	4.24	.05	.40	1915	1	.01	39	.04	12	ND	ND	ND	2	16	ND	ND	74
ST-88 L14N 2+00E	.2	4.15	ND	ND	30	ND	.41	.2	19	39	83	5.24	.05	.61	606	1	.01	45	.07	13	ND	ND	ND	3	10	ND	ND	53
ST-88 L14N 2+50E	.1	5.44	ND	ND	56	ND	.44	.1	21	41	86	4.57	.05	.50	769	1	.01	47	.06	9	ND	ND	ND	ND	14	ND	ND	65
ST-88 L14N 3+00E	.1	2.21	ND	ND	65	ND	.44	.1	21	30	21	4.08	.05	.15	4387	ND	.01	33	.07	18	ND	ND	ND	4	16	ND	ND	114
ST-88 L14N 3+50E	.1	5.31	ND	ND	53	ND	.57	.3	27	49	138	4.27	.06	.92	832	1	.01	64	.06	9	ND	ND	ND	ND	16	ND	ND	62
ST-88 L14N 4+00E	.1	3.32	ND	ND	40	ND	.88	.1	21	34	41	4.35	.06	.41	760	1	.01	41	.04	16	ND	ND	ND	2	19	ND	ND	63
ST-88 L14N 4+50E	.3	3.94	ND	ND	52	ND	.90	.1	23	63	60	6.33	.07	.60	774	1	.01	55	.06	15	ND	ND	ND	5	19	ND	ND	72
ST-88 L14N 5+00E	.3	5.15	ND	ND	50	ND	.55	.1	26	52	96	5.85	.06	.54	452	1	.01	60	.06	11	ND	ND	ND	2	17	ND	ND	69
ST-88 L14N 5+50E	.1	3.42	ND	ND	87	ND	.82	.1	28	47	57	5.09	.06	.62	2944	1	.01	64	.03	15	ND	ND	ND	2	18	ND	ND	98
ST-88 L14N 6+00E	.3	5.17	ND	ND	40	ND	.51	.1	28	76	78	6.39	.07	.50	427	1	.01	62	.01	12	ND	ND	ND	1	14	ND	ND	57
ST-88 L14N 6+50E	.2	4.88	ND	ND	55	ND	.59	.1	25	41	78	5.25	.06	.68	1139	1	.01	56	.08	11	ND	ND	ND	ND	15	ND	ND	96
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L14N 7+00E	.1	3.37	ND	ND	64	ND	.49	.1	21	29	80	4.32	.03	.50	821	1	.01	39	.02	8	ND	ND	ND	2	15	ND	ND	64
ST-88 L14N 7+50E	.1	4.11	ND	ND	51	ND	.43	.1	19	35	67	4.22	.03	.38	616	1	.01	35	.05	10	ND	ND	ND	1	14	ND	ND	70
ST-88 L14N 8+00E	.1	5.03	ND	ND	48	ND	.50	.1	29	48	98	5.71	.05	.60	544	1	.01	51	.11	4	ND	ND	ND	ND	14	ND	ND	74
ST-88 L14N 8+50E	.2	4.60	ND	ND	49	ND	.45	.1	24	44	82	4.57	.04	.52	590	1	.01	43	.03	9	ND	ND	ND	2	13	ND	ND	49
ST-88 L14N 9+00E	.1	5.35	ND	ND	107	ND	.49	.1	25	55	117	5.24	.04	.59	1145	1	.01	53	.07	5	ND	ND	ND	1	17	ND	ND	71
ST-88 L14N 9+50E	.1	1.64	4	ND	39	ND	.38	.1	12	23	38	3.97	.03	.23	218	ND	.01	22	.01	8	ND	ND	ND	4	14	ND	ND	26
ST-88 L14N10+00E	.1	2.80	ND	ND	46	ND	.50	.1	20	29	75	3.91	.03	.54	539	ND	.01	34	.01	6	ND	ND	ND	3	14	ND	ND	50
ST-88 L14N10+50E	.1	2.03	ND	ND	56	ND	.61	.1	22	45	56	4.98	.04	.38	2171	ND	.01	36	.02	16	ND	ND	ND	4	18	ND	ND	64
ST-88 L14N11+00E	.1	4.29	ND	ND	53	ND	.64	.1	24	43	81	5.01	.04	.50	646	1	.01	52	.04	9	ND	ND	ND	1	15	ND	ND	69
ST-88 L14N11+50E	.1	4.71	ND	ND	43	ND	.69	.1	25	41	99	5.62	.04	.72	506	1	.01	50	.04	4	ND	ND	ND	1	14	ND	ND	62
ST-88 L14N12+00E	.1	4.59	ND	ND	49	ND	.55	.1	31	40	73	5.37	.05	.41	1168	1	.01	46	.04	6	ND	ND	ND	ND	14	ND	ND	77
ST-88 L14N12+50E	.2	5.24	ND	ND	53	ND	.59	.1	26	46	107	5.26	.05	.63	903	1	.01	50	.06	4	ND	ND	ND	ND	14	ND	ND	74
ST-88 L14N13+00E	.1	4.78	ND	ND	55	ND	.49	.1	25	48	84	5.99	.05	.72	377	2	.01	56	.01	5	ND	ND	ND	ND	15	ND	ND	56
ST-88 L14N 0+00W	.1	4.65	ND	ND	51	ND	.60	.1	27	50	78	5.77	.05	.59	974	1	.01	53	.05	5	ND	ND	ND	ND	15	ND	ND	72
ST-88 L14N 0+50W	.1	3.18	ND	ND	60	ND	.60	.1	27	34	44	4.17	.04	.44	2136	ND	.01	40	.04	6	ND	ND	ND	2	16	ND	ND	120
ST-88 L14N 1+00W	.1	5.38	ND	ND	45	ND	.38	.1	19	39	70	4.35	.03	.42	413	1	.01	37	.04	1	ND	ND	ND	ND	13	ND	ND	62
ST-88 L14N 1+50W	.1	5.44	ND	ND	34	ND	.46	.1	25	41	86	5.54	.04	.59	336	2	.01	55	.03	1	ND	ND	ND	ND	13	ND	ND	52
ST-88 L14N 2+00W	.1	3.40	ND	ND	47	ND	.40	.1	18	36	64	4.38	.03	.43	437	1	.01	34	.02	6	ND	ND	ND	2	12	ND	ND	52
ST-88 L14N 2+50W	.1	3.46	ND	ND	50	ND	.36	.1	17	38	64	4.95	.04	.27	1090	ND	.01	36	.05	9	ND	ND	ND	ND	11	ND	ND	74
ST-88 L14N 3+00W	.1	3.26	ND	ND	50	ND	.40	.1	18	33	46	3.71	.03	.25	890	ND	.01	26	.04	6	ND	ND	ND	1	13	ND	ND	58
ST-88 L14N 3+50W	.1	3.95	ND	ND	48	ND	.47	.1	20	43	52	5.07	.04	.33	368	1	.01	38	.06	6	ND	ND	ND	1	14	ND	ND	71
ST-88 L16N 0+50E	.1	5.04	ND	ND	48	ND	.46	.1	24	42	97	5.01	.04	.47	550	1	.01	42	.05	7	ND	ND	ND	ND	15	ND	ND	66
ST-88 L16N 1+00E	.2	6.62	ND	ND	51	ND	.50	.1	30	60	154	5.73	.05	.99	784	2	.01	67	.08	4	ND	ND	ND	ND	15	ND	ND	75
ST-88 L16N 1+50E	.3	4.30	ND	ND	94	ND	.59	.1	29	50	91	5.93	.05	.63	1644	1	.01	55	.05	11	ND	ND	ND	2	20	ND	ND	103
ST-88 L16N 2+00E	.2	5.69	ND	ND	123	ND	.47	.3	25	58	93	4.87	.04	.78	460	1	.01	69	.04	1	ND	ND	ND	ND	15	ND	ND	74
ST-88 L16N 2+50E	.2	5.39	ND	ND	50	ND	.44	.3	24	50	120	4.99	.04	.68	585	2	.01	48	.11	5	ND	ND	ND	ND	15	ND	ND	82
ST-88 L16N 3+00E	.1	3.37	ND	ND	44	ND	.19	.1	19	68	33	5.31	.04	.63	562	ND	.01	47	.02	4	ND	ND	ND	ND	5	ND	ND	73
ST-88 L16N 3+50E	.1	4.70	ND	ND	59	ND	.62	.1	28	52	99	4.90	.05	.93	641	2	.01	62	.04	6	ND	ND	ND	ND	16	ND	ND	65
ST-88 L16N 4+00E	.1	4.25	ND	ND	55	ND	.51	.1	27	45	78	5.62	.04	.67	747	1	.01	55	.08	10	ND	ND	ND	ND	15	ND	ND	89
ST-88 L16N 4+50E	.1	3.71	ND	ND	41	ND	.40	.1	22	38	67	4.89	.04	.47	339	1	.01	41	.02	5	ND	ND	ND	2	13	ND	ND	56
ST-88 L16N 5+00E	.1	1.85	ND	ND	19	ND	.29	.1	9	22	24	3.97	.03	.17	141	ND	.01	21	.01	9	ND	ND	ND	3	13	ND	ND	13
ST-88 L16N 5+50E	.1	4.75	ND	ND	63	ND	.43	.1	21	38	69	4.51	.04	.46	2204	1	.01	41	.05	7	ND	ND	ND	ND	15	ND	ND	53
ST-88 L16N 6+00E	.1	3.55	ND	ND	49	ND	.44	.1	17	28	47	3.86	.04	.33	711	ND	.01	31	.05	7	ND	ND	ND	1	14	ND	ND	54
ST-88 L16N 6+50E	.2	4.82	ND	ND	59	3	.48	.4	23	43	88	4.14	.04	.61	894	1	.01	46	.04	5	ND	ND	ND	ND	16	ND	ND	51
ST-88 L16N 7+00E	.3	3.95	ND	ND	40	ND	.47	.1	22	41	50	4.81	.05	.45	538	1	.01	40	.04	7	ND	ND	ND	4	17	ND	ND	40
ST-88 L16N 7+50E	.2	6.33	ND	ND	32	ND	.49	.1	26	61	137	5.39	.05	.82	373	2	.01	58	.08	2	ND	ND	ND	ND	16	ND	ND	49
ST-88 L16N 8+00E	.2	3.80	ND	ND	71	ND	.48	.1	24	45	69	4.94	.05	.51	1309	1	.01	51	.05	7	ND	ND	ND	2	16	ND	ND	61
ST-88 L16N 8+50E	.3	4.86	ND	ND	51	ND	.48	.2	25	53	130	5.21	.04	.66	442	1	.01	53	.07	6	ND	ND	ND	ND	16	ND	ND	64
ST-88 L16N 9+00E	.1	4.75	ND	ND	36	ND	.49	.1	22	47	100	5.07	.04	.57	341	1	.01	45	.05	4	ND	ND	ND	1	13	ND	ND	48
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST-88 L16N 0+50E	.1	2.30	6	ND	43	ND	.44	.1	20	30	39	4.00	.05	.30	316	ND	.01	30	.01	14	ND	ND	ND	4	14	ND	ND	33
ST-88 L16N10+00E	.1	3.55	ND	ND	82	ND	.58	.1	34	55	82	5.02	.05	.35	1920	ND	.01	47	.06	15	ND	ND	ND	1	23	ND	ND	98
ST-88 L16N10+50E	.1	4.01	ND	ND	50	ND	.78	.2	23	45	75	4.44	.06	.58	452	ND	.01	51	.03	12	ND	ND	ND	1	18	ND	ND	60
ST-88 L16N BL	.1	3.92	ND	ND	46	ND	.47	.3	24	43	86	4.91	.05	.68	609	ND	.01	50	.03	9	ND	ND	ND	1	13	ND	ND	61
ST-88 L16N 0+50W	.1	5.67	ND	ND	36	ND	.44	.2	25	53	119	5.40	.06	.77	492	1	.01	53	.06	7	ND	ND	ND	ND	12	ND	ND	54
ST-88 L16N 1+00W	.1	4.90	ND	ND	43	ND	.35	.1	18	35	67	4.23	.04	.46	422	1	.01	36	.04	8	ND	ND	ND	ND	12	ND	ND	45
ST-88 L16N 1+50W	.1	4.47	ND	ND	50	ND	.44	.1	24	41	100	4.65	.05	.77	426	1	.01	51	.02	9	ND	ND	ND	ND	13	ND	ND	61
ST-88 L16N 2+00W	.1	4.53	ND	ND	72	ND	.44	.2	24	41	116	4.52	.05	.90	383	1	.01	50	.01	8	ND	ND	ND	1	12	ND	ND	39
ST-88 L16N 2+50W	.1	7.30	ND	ND	45	ND	.46	.3	23	49	136	4.73	.05	.68	735	1	.01	48	.08	ND	ND	ND	ND	ND	11	ND	ND	65
ST-88 L16N 3+00W	.1	4.30	ND	ND	35	ND	.42	.1	20	47	85	6.48	.07	.28	697	1	.01	41	.12	14	ND	ND	ND	ND	9	ND	ND	67
ST-88 L16N 3+50W	.1	5.11	ND	ND	41	ND	.35	.1	21	47	75	4.99	.05	.53	374	1	.01	48	.06	7	ND	ND	ND	ND	10	ND	ND	59
ST-88 L16N 4+00W	.1	3.33	ND	ND	53	ND	.40	.3	21	34	41	4.69	.05	.33	655	ND	.01	37	.04	12	ND	ND	ND	2	13	ND	ND	66
ST-88 L16N 4+50W	.3	4.18	ND	ND	43	ND	.52	.1	27	42	94	5.45	.06	.45	1025	1	.01	44	.07	15	ND	ND	ND	2	12	ND	ND	80
ST-88 L16N 5+00W	.1	5.19	ND	ND	60	ND	.40	.5	26	48	103	5.47	.06	.47	672	1	.01	53	.04	11	ND	ND	ND	ND	13	ND	ND	70
ST-88 L16N 5+50W	.3	4.70	6	ND	39	ND	.47	.1	28	52	107	6.11	.07	.67	480	1	.01	61	.04	11	ND	ND	ND	ND	12	ND	ND	65
ST-88 L16N 6+00W	.1	4.49	5	ND	78	ND	.38	.1	32	58	154	6.73	.07	.91	1950	1	.01	63	.06	12	ND	ND	ND	ND	14	ND	ND	76
ST-88 L16N 6+50W	.1	3.25	7	ND	114	ND	.52	.2	22	40	105	5.53	.06	.60	1445	1	.01	36	.05	17	ND	ND	ND	ND	16	ND	ND	69
ST-88 L16N 7+00W	.3	4.59	ND	ND	43	ND	.43	.3	24	43	85	5.60	.06	.56	1497	1	.01	44	.23	13	ND	ND	ND	2	9	ND	ND	74
ST-88 L16N 7+50W	.3	4.40	ND	ND	46	ND	.51	.2	25	47	91	4.79	.06	.75	503	2	.01	47	.04	11	ND	ND	ND	1	11	ND	ND	49
ST-88 L16N 8+00W	.1	5.79	ND	ND	70	ND	.37	.1	27	48	97	5.34	.06	.65	597	3	.01	59	.05	7	ND	ND	ND	ND	9	ND	ND	63
ST-88 L16N 8+50W	.1	2.14	ND	ND	92	3	.20	.1	4	7	6	1.67	.04	.09	801	1	.01	11	.01	13	ND	ND	ND	ND	5	ND	ND	37
ST-88 L16N 9+00W	.3	6.08	ND	ND	59	ND	.41	.2	25	47	88	5.53	.06	.56	506	2	.01	50	.06	10	ND	ND	ND	ND	11	ND	ND	64
ST-88 L16N 9+50W	.1	5.47	ND	ND	64	ND	.41	.2	23	43	91	4.77	.06	.66	426	1	.01	48	.03	9	ND	ND	ND	ND	12	ND	ND	49
ST-88 L16N10+00W	.1	6.54	ND	ND	49	ND	.33	.1	23	54	87	5.21	.06	.61	341	2	.01	55	.04	8	ND	ND	ND	ND	11	ND	ND	58
ST-88 L16N10+50W	.1	3.27	ND	ND	62	ND	.31	.1	20	44	46	5.07	.05	.48	669	ND	.01	36	.02	15	ND	ND	ND	ND	14	ND	ND	88
ST-88 L16N11+00W	.1	5.70	ND	ND	89	ND	.42	.1	31	61	136	5.90	.07	1.03	501	1	.01	71	.03	10	ND	ND	ND	ND	12	ND	ND	63
ST-88 L16N11+50W	.1	4.55	ND	ND	84	ND	.24	.1	19	31	50	5.68	.06	.80	724	1	.01	38	.05	11	ND	ND	ND	ND	8	ND	ND	71
ST-88 L16N12+00W	.1	3.41	13	ND	58	ND	.34	.1	25	44	93	6.87	.07	.75	631	1	.01	62	.03	12	ND	ND	ND	ND	8	ND	ND	84
ST-88 L16N12+50W	.1	3.78	3	ND	54	ND	.34	.1	24	47	54	5.82	.06	.50	465	1	.01	48	.03	13	ND	ND	ND	1	10	ND	ND	62
ST-88 L16N13+00W	.1	3.59	ND	ND	47	ND	.39	.2	21	41	59	5.16	.06	.49	330	ND	.01	42	.03	14	ND	ND	ND	1	11	ND	ND	59
ST-88 L16N13+50W	.1	3.28	ND	ND	62	ND	.32	.1	16	35	41	4.70	.05	.37	459	1	.01	36	.05	13	ND	ND	ND	ND	11	ND	ND	82
ST-88 L16N14+00W	.1	3.85	ND	ND	67	ND	.45	.2	23	39	74	5.09	.06	.50	546	1	.01	42	.02	16	ND	ND	ND	ND	12	ND	ND	56
ST-88 L16N14+50W	.1	2.13	72	ND	133	ND	.14	.2	10	17	30	3.84	.06	.12	467	2	.01	19	.01	14	ND	ND	ND	ND	5	ND	ND	48
ST-88 L16N15+00W	.1	3.30	3	ND	82	ND	.45	.2	22	49	37	4.84	.06	.69	1515	1	.01	48	.04	14	ND	ND	ND	ND	12	ND	ND	73
ST-88 L18N BL	.1	4.14	ND	ND	58	ND	.51	.1	24	41	86	4.55	.06	.73	631	1	.01	49	.02	15	ND	ND	ND	ND	14	ND	ND	58
ST-88 L18N 0+50E	.1	2.67	ND	ND	79	ND	.41	.3	20	27	48	4.04	.05	.24	1606	ND	.01	34	.04	18	ND	ND	ND	2	13	ND	ND	114
ST-88 L18N 1+00E	.1	4.47	ND	ND	53	ND	.42	.1	23	41	83	4.94	.05	.53	913	1	.01	38	.11	13	ND	ND	ND	ND	12	ND	ND	81
ST-88 L18N 1+50E	.1	1.34	ND	ND	31	ND	.29	.1	10	19	18	3.37	.04	.16	185	ND	.01	19	.01	16	ND	ND	ND	3	12	ND	ND	26
ST-88 L18N 2+00E	.1	5.82	ND	ND	47	ND	.37	.1	20	47	88	4.64	.05	.53	621	2	.01	41	.09	9	ND	ND	ND	ND	11	ND	ND	71
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L18N 2+50E	.1	2.09	3	ND	57	3	.60	.3	25	27	90	3.85	.06	.26	2684	1	.01	36	.04	15	ND	ND	ND	4	16	ND	ND	105
ST88 L18N 3+00E	.1	4.94	ND	ND	39	ND	.56	.4	25	42	116	4.86	.06	.84	528	3	.01	51	.05	5	ND	ND	ND	ND	13	ND	ND	67
ST88 L18N 3+50E	.1	5.17	ND	ND	73	ND	.87	.4	36	48	63	5.83	.08	.47	2476	3	.01	53	.06	11	ND	ND	ND	ND	19	ND	ND	101
ST88 L18N 4+00E	.2	2.23	ND	ND	60	3	.45	.1	19	26	28	4.13	.05	.27	577	1	.01	29	.03	14	ND	ND	ND	5	16	ND	ND	68
ST88 L18N 4+50E	.2	3.66	ND	ND	52	ND	.43	.1	23	42	64	5.18	.06	.45	581	1	.01	41	.03	12	ND	ND	ND	3	14	ND	ND	85
ST88 L18N 5+00E	.1	3.86	ND	ND	33	ND	.78	.4	20	40	48	4.68	.06	.59	393	2	.01	43	.03	9	ND	ND	ND	3	17	ND	ND	42
ST88 L18N 5+50E	.1	3.10	ND	ND	56	ND	.48	.2	17	35	54	4.42	.05	.44	335	1	.01	38	.02	12	ND	ND	ND	3	17	ND	ND	61
ST88 L18N 6+00E	.4	1.66	5	ND	49	ND	.39	.1	28	62	29	5.46	.06	.31	3514	ND	.01	37	.06	19	ND	ND	ND	7	13	ND	ND	70
ST88 L18N 6+50E	.1	5.33	ND	ND	53	ND	.37	.4	29	59	69	6.44	.06	.34	545	3	.01	57	.05	11	ND	ND	ND	1	13	ND	ND	69
ST88 L18N 7+00E	.4	4.51	ND	ND	59	ND	.43	.2	25	48	59	5.58	.06	.48	421	2	.01	46	.04	11	ND	ND	ND	4	14	ND	ND	48
ST88 L18N 8+50E	.2	3.99	ND	ND	57	ND	1.15	.4	24	56	65	4.98	.07	.68	794	2	.01	51	.05	12	ND	ND	ND	3	24	ND	ND	67
ST88 L18N 9+00E	.1	3.12	ND	ND	69	ND	1.73	.3	24	52	65	3.79	.07	.85	1605	1	.01	55	.05	15	ND	ND	ND	3	31	ND	ND	95
ST88 L18N 9+50E	.1	3.44	ND	ND	47	ND	.74	.2	26	45	70	4.61	.06	.53	787	1	.01	46	.03	11	ND	ND	ND	2	17	ND	ND	76
ST88 L18N 10+00E	.1	4.32	ND	ND	54	ND	.81	.1	25	46	62	4.85	.06	.63	491	2	.01	50	.04	10	ND	ND	ND	2	17	ND	ND	75
ST88 L18N 10+50E	.2	3.38	ND	ND	75	3	.84	.1	26	39	94	4.98	.06	.85	839	1	.01	53	.04	10	ND	ND	ND	4	19	ND	ND	76
ST88 L18N BL	.1	4.13	ND	ND	44	ND	.36	.1	19	43	71	4.78	.05	.48	301	2	.01	43	.02	10	ND	ND	ND	1	14	ND	ND	35
ST88 L18N 0+50W	.1	6.51	ND	ND	48	ND	.44	.1	22	48	122	5.30	.06	.62	684	3	.01	51	.14	5	ND	ND	ND	ND	14	ND	ND	72
ST88 L18N 1+00W	.1	7.65	ND	ND	68	ND	.39	.3	26	50	98	4.84	.06	.75	825	3	.01	51	.21	1	ND	ND	ND	ND	12	ND	ND	83
ST88 L18N 1+50W	.1	3.48	ND	ND	104	ND	.52	.3	25	37	65	4.74	.06	.53	1573	1	.01	44	.04	11	ND	ND	ND	3	19	ND	ND	84
ST88 L18N 2+00W	.1	3.80	ND	ND	52	ND	.44	.1	20	41	68	5.64	.06	.39	995	1	.01	39	.06	11	ND	ND	ND	3	14	ND	ND	71
ST88 L18N 2+50W	.2	2.55	ND	ND	34	ND	.47	.3	19	34	38	4.93	.06	.37	268	ND	.01	34	.03	12	ND	ND	ND	4	15	ND	ND	39
ST88 L18N 3+00W	.1	3.76	ND	ND	55	ND	.43	.2	21	39	55	4.91	.06	.40	397	2	.01	44	.03	10	ND	ND	ND	2	14	ND	ND	45
ST88 L18N 3+50W	.2	5.36	ND	ND	35	ND	.38	.2	20	49	82	5.26	.05	.46	358	3	.01	42	.10	9	ND	ND	ND	1	11	ND	ND	52
ST88 L18N 4+00W	.1	4.07	ND	ND	66	ND	.42	.2	22	40	60	4.77	.05	.44	1496	2	.01	41	.07	11	ND	ND	ND	3	15	ND	ND	81
ST88 L18N 4+50W	.1	5.40	ND	ND	77	ND	.49	.1	26	44	72	5.48	.06	.64	635	2	.01	58	.06	7	ND	ND	ND	1	18	ND	ND	62
ST88 L18N 5+00W	.1	5.37	ND	ND	71	ND	.39	.1	26	43	80	4.97	.06	.65	915	2	.01	52	.09	8	ND	ND	ND	1	12	ND	ND	86
ST88 L18N 5+50W	.1	3.86	20	ND	167	ND	.21	.1	25	25	210	7.23	.07	.42	1464	2	.01	42	.07	11	ND	ND	ND	ND	8	ND	ND	118
ST88 L18N 6+00W	.1	4.13	81	ND	152	ND	.16	.1	42	54	172	9.01	.08	.56	2567	2	.01	81	.16	11	ND	ND	ND	ND	7	ND	ND	160
ST88 L18N 6+50W	.2	4.32	ND	ND	59	ND	.54	.3	28	47	105	5.32	.06	.77	879	2	.01	52	.08	10	ND	ND	ND	2	14	ND	ND	86
ST88 L18N 7+00W	.2	4.38	ND	ND	60	ND	.39	.4	30	72	85	8.29	.07	.99	723	3	.01	59	.09	12	ND	ND	ND	3	11	ND	ND	119
ST88 L18N 7+50W	.1	2.83	5	ND	84	ND	.43	.2	25	42	50	4.82	.06	.54	2402	1	.01	37	.08	15	ND	ND	ND	2	13	ND	ND	87
ST88 L18N 8+00W	.1	3.59	ND	ND	80	ND	.79	.4	28	60	87	5.00	.07	1.69	1306	2	.01	65	.05	11	ND	ND	ND	ND	16	ND	ND	77
ST88 L18N 8+50W	.1	5.66	ND	ND	71	ND	.49	.1	31	52	108	5.23	.06	.62	2032	3	.01	57	.08	9	ND	ND	ND	ND	12	ND	ND	82
ST88 L18N 9+00W	.1	3.65	ND	ND	104	ND	.53	.1	31	68	134	5.28	.06	.94	2470	2	.01	52	.06	15	ND	ND	ND	1	19	ND	ND	97
ST88 L18N 9+50W	.1	3.86	ND	ND	122	ND	.43	.4	28	60	70	5.77	.06	.50	1414	2	.01	50	.06	13	ND	ND	ND	1	15	ND	ND	80
ST88 L18N 10+00W	.1	3.97	ND	ND	75	ND	.78	.3	24	46	46	5.14	.07	.58	558	2	.01	47	.03	12	ND	ND	ND	1	16	ND	ND	46
ST88 L18N 10+50W	.1	3.24	ND	ND	68	ND	.31	.2	19	27	71	3.53	.05	.37	982	1	.01	28	.06	11	ND	ND	ND	1	12	ND	ND	60
ST88 L18N 11+00W	.2	6.29	ND	ND	44	ND	.36	.5	21	53	94	5.07	.06	.60	764	3	.01	46	.09	8	ND	ND	ND	ND	12	ND	ND	69
ST88 L18N 11+50W	.1	4.80	ND	ND	53	ND	.44	.7	29	40	104	5.09	.06	.70	1073	2	.01	51	.08	10	ND	ND	ND	1	12	ND	ND	158
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L18N 12+00W	.1	3.44	ND	ND	78	ND	.29	.4	25	33	68	4.76	.05	.26	2405	1	.01	35	.09	9	ND	ND	ND	1	11	ND	ND	92
ST88 L18N 12+50W	.1	4.18	108	ND	54	ND	.29	.1	17	39	76	5.23	.05	.33	544	2	.01	39	.07	8	ND	ND	ND	ND	11	ND	ND	64
ST88 L18N 13+00W	.1	3.75	ND	ND	74	ND	.36	.3	20	47	53	4.51	.05	.61	1303	2	.01	40	.06	8	ND	ND	ND	ND	13	ND	ND	75
ST88 L18N 13+50W	.1	3.88	ND	ND	37	ND	.27	.2	18	45	46	4.77	.05	.41	366	2	.01	33	.06	8	ND	ND	ND	ND	11	ND	ND	63
ST88 L18N 14+00W	.1	5.47	ND	ND	55	ND	.35	.1	19	51	73	5.74	.06	.48	597	3	.01	39	.08	7	ND	ND	ND	ND	12	ND	ND	72
ST88 L18N 14+50W	.1	5.08	ND	ND	51	ND	.36	.1	21	43	77	4.85	.05	.50	632	2	.01	42	.09	6	ND	ND	ND	ND	12	ND	ND	65
ST88 L18N 15+00W	.1	3.94	ND	ND	56	ND	.41	.3	21	34	77	4.37	.05	.49	715	2	.01	41	.04	7	ND	ND	ND	ND	13	ND	ND	63
ST88 L20N BL	.2	4.34	6	ND	62	ND	.43	.2	23	42	102	4.45	.06	.72	1270	2	.01	47	.09	8	ND	ND	ND	2	13	ND	ND	71
ST88 L20N 0+50E	.4	3.93	3	ND	47	ND	.50	.3	27	43	81	5.07	.06	.84	563	2	.01	53	.03	10	ND	ND	ND	3	15	ND	ND	68
ST88 L20N 1+00E	.1	5.23	ND	ND	73	ND	.44	.2	24	46	90	4.55	.06	.68	1511	2	.01	51	.10	5	ND	ND	ND	1	13	ND	ND	80
ST88 L20N 1+50E	.2	3.33	6	ND	47	ND	.40	.1	17	39	37	5.05	.05	.44	853	1	.01	31	.17	12	ND	ND	ND	4	11	ND	ND	62
ST88 L20N 2+00E	.1	2.72	4	ND	75	ND	.44	.3	21	28	44	3.88	.05	.35	2255	1	.01	31	.10	12	ND	ND	ND	2	14	ND	ND	75
ST88 L20N 2+50E	.2	5.30	ND	ND	41	ND	.40	.1	21	45	82	5.05	.05	.50	544	2	.01	42	.09	5	ND	ND	ND	ND	13	ND	ND	63
ST88 L20N 3+00E	.3	3.56	5	ND	89	3	.53	.1	23	38	50	4.24	.06	.50	1585	1	.01	35	.12	9	ND	ND	ND	2	16	ND	ND	84
ST88 L20N 3+50E	.2	6.52	ND	ND	60	ND	.45	.3	22	46	84	4.60	.05	.54	739	3	.01	44	.11	ND	ND	ND	ND	ND	13	ND	ND	75
ST88 L20N 4+00E	.4	1.60	8	ND	55	4	.59	.1	27	38	26	3.46	.05	.31	794	ND	.01	25	.03	17	ND	ND	ND	8	25	ND	ND	67
ST88 L20N 4+50E	.3	3.12	3	ND	53	ND	.43	.4	48	44	52	4.49	.06	.38	774	1	.01	35	.04	12	ND	ND	ND	4	15	ND	ND	70
ST88 L20N 5+00E	.1	4.28	4	ND	67	ND	.46	.1	27	76	71	5.41	.06	1.01	825	2	.01	59	.05	5	ND	ND	ND	ND	15	ND	ND	77
ST88 L20N 5+50E	.1	5.06	ND	ND	86	ND	.54	.3	31	62	92	5.50	.06	.51	1735	2	.01	66	.05	4	ND	ND	ND	ND	16	ND	ND	104
ST88 L20N 6+00E	.3	5.58	11	ND	27	ND	.49	.1	27	122	73	6.39	.07	.48	259	3	.01	70	.03	6	ND	ND	ND	1	14	ND	ND	44
ST88 L20N 6+50E	.3	3.25	3	ND	52	3	.45	.1	21	44	51	5.19	.06	.33	702	1	.01	43	.06	12	ND	ND	ND	3	15	ND	ND	77
ST88 L20N 7+00E	.1	2.89	6	ND	70	ND	.70	.2	28	72	48	4.51	.06	1.09	2139	1	.01	56	.06	12	ND	ND	ND	1	17	ND	ND	107
ST88 L20N 7+50E	.3	3.39	6	ND	50	ND	.72	.6	35	86	52	5.06	.07	1.17	1617	1	.01	66	.06	13	ND	ND	ND	3	20	ND	ND	127
ST88 L20N 8+00E	.1	3.24	8	ND	89	ND	1.18	.3	31	68	67	4.08	.07	.95	3243	1	.01	59	.10	12	ND	ND	ND	1	27	ND	ND	93
ST88 L20N 8+50E	.2	1.77	7	ND	70	3	.67	.1	22	31	28	3.49	.05	.40	1763	ND	.01	28	.06	21	ND	ND	ND	5	19	ND	ND	79
ST88 L20N 9+00E	.1	4.08	6	ND	53	ND	.77	.1	25	44	118	5.10	.06	.88	1298	2	.01	53	.06	9	ND	ND	ND	1	18	ND	ND	86
ST88 L20N BLW	.1	5.82	ND	ND	51	ND	.42	.1	24	54	83	5.68	.06	.51	892	3	.01	43	.12	4	ND	ND	ND	ND	14	ND	ND	69
ST88 L20N 0+50W	.1	5.20	5	ND	62	ND	.45	.1	24	47	106	5.11	.05	.62	1496	2	.01	48	.16	4	ND	ND	ND	ND	14	ND	ND	78
ST88 L20N 1+00W	.3	4.81	ND	ND	60	ND	.50	.1	30	43	116	4.81	.06	.74	431	2	.01	56	.03	5	ND	ND	ND	1	15	ND	ND	42
ST88 L20N 1+50W	.1	4.42	ND	ND	61	ND	.45	.2	24	41	93	4.75	.05	.72	735	2	.01	47	.03	7	ND	ND	ND	ND	14	ND	ND	52
ST88 L20N 2+00W	.1	4.51	ND	ND	55	ND	.39	.4	19	36	64	3.99	.04	.52	665	2	.01	35	.06	4	ND	ND	ND	ND	14	ND	ND	56
ST88 L20N 2+50W	.1	3.88	ND	ND	52	ND	.35	.2	16	34	40	4.14	.05	.32	537	2	.01	29	.04	10	ND	ND	ND	1	14	ND	ND	41
ST88 L20N 3+00W	.1	1.58	4	ND	48	3	.33	.1	10	14	20	2.19	.04	.19	853	ND	.01	13	.04	13	ND	ND	ND	3	14	ND	ND	31
ST88 L20N 3+50W	.1	3.40	3	ND	58	3	.38	.3	20	30	51	3.46	.04	.33	1536	1	.01	30	.05	8	ND	ND	ND	1	14	ND	ND	58
ST88 L20N 4+00W	.1	2.63	3	ND	49	ND	.38	.1	15	25	31	3.46	.05	.27	604	1	.01	21	.07	9	ND	ND	ND	2	15	ND	ND	62
ST88 L20N 4+50W	.3	3.45	9	ND	57	ND	.79	.4	27	46	67	5.50	.07	.67	930	1	.01	50	.05	10	ND	ND	ND	3	19	ND	ND	61
ST88 L20N 5+00W	.1	3.62	8	ND	62	ND	.84	.1	25	53	78	4.57	.06	.90	1147	1	.01	49	.05	16	ND	ND	ND	1	18	ND	ND	60
ST88 L20N 5+50W	.1	4.99	3	ND	109	ND	.49	.4	26	62	76	5.72	.07	1.09	1426	2	.01	50	.03	1	ND	ND	ND	ND	12	ND	ND	70
ST88 L20N 6+00W	.1	4.62	43	ND	87	ND	.50	.2	30	60	115	5.71	.06	1.15	834	2	.01	68	.04	3	ND	ND	ND	ND	15	ND	ND	72
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L20N 6+50W	.1	3.85	4	ND	43	ND	.42	.3	22	35	84	4.37	.06	.61	466	2	.01	41	.06	9	ND	ND	ND	2	12	ND	ND	54
ST88 L20N 7+00W1	.1	4.52	8	ND	109	ND	1.30	.4	31	74	115	5.30	.09	1.35	2114	3	.01	69	.08	12	ND	ND	ND	ND	26	ND	ND	93
ST88 L20N 7+00W	.3	3.59	5	ND	57	ND	.56	.1	25	42	83	4.51	.07	.55	1027	2	.01	45	.04	13	ND	ND	ND	2	14	ND	ND	61
ST88 L20N 7+50W	.3	3.09	ND	ND	44	ND	.40	.1	21	49	72	5.71	.07	.53	1409	2	.01	42	.07	14	ND	ND	ND	3	12	ND	ND	62
ST88 L20N 8+00W	.4	2.13	4	ND	41	ND	.45	.1	16	29	52	4.58	.06	.38	437	1	.01	30	.03	15	ND	ND	ND	4	14	ND	ND	32
ST88 L20N 8+50W	.1	2.99	6	ND	72	ND	.53	.1	19	31	69	4.39	.07	.60	594	2	.01	36	.04	13	ND	ND	ND	1	18	ND	ND	50
ST88 L20N 9+00W	.4	3.14	7	ND	36	ND	.41	.2	21	44	102	5.94	.07	.37	293	2	.01	37	.04	18	ND	ND	ND	4	11	ND	ND	48
ST88 L20N 9+50W	.4	3.94	5	ND	59	ND	.40	.2	28	41	70	5.74	.07	.54	830	2	.01	44	.05	11	ND	ND	ND	2	12	ND	ND	85
ST88 L20N 10+00W	.3	2.74	7	ND	80	ND	.83	.3	29	26	52	4.20	.07	.42	1656	2	.01	35	.08	13	ND	ND	ND	2	17	ND	ND	94
ST88 L20N 10+50W	.1	3.11	19	ND	93	ND	.46	.3	16	22	58	4.83	.07	.21	982	2	.01	26	.06	11	ND	ND	ND	ND	11	ND	ND	72
ST88 L20N 11+00W	.1	3.52	6	ND	82	ND	.38	.2	25	38	65	6.31	.07	.75	1828	2	.01	44	.07	14	ND	ND	ND	ND	11	ND	ND	76
ST88 L20N 11+50W	.1	3.77	3	ND	83	ND	.39	.1	25	38	61	6.57	.08	.74	1870	2	.01	47	.09	13	ND	ND	ND	ND	11	ND	ND	93
ST88 L20N 12+00W	.4	4.16	5	ND	43	ND	.43	.2	22	43	55	5.23	.07	.53	614	2	.01	33	.09	11	ND	ND	ND	2	11	ND	ND	68
ST88 L20N 12+50W	.1	6.66	ND	ND	94	ND	.49	.1	26	102	87	6.12	.08	.67	1600	4	.01	56	.08	6	ND	ND	ND	ND	14	ND	ND	76
ST88 L20N 13+00W	.1	4.56	6	ND	73	ND	.34	.3	31	54	92	6.45	.08	.33	926	2	.01	44	.03	11	ND	ND	ND	ND	11	ND	ND	103
ST88 L20N 13+50W	.4	3.06	7	ND	48	ND	.40	.3	21	36	75	4.95	.06	.49	425	2	.01	34	.03	14	ND	ND	ND	3	13	ND	ND	63
ST88 L20N 14+00W	.4	2.74	4	ND	46	ND	.38	.2	18	29	48	4.51	.06	.36	601	1	.01	28	.05	15	ND	ND	ND	4	12	ND	ND	68
ST88 L20N 14+50W	.3	2.97	7	ND	33	ND	.31	.1	22	31	78	4.65	.06	.35	868	2	.01	35	.05	12	ND	ND	ND	1	10	ND	ND	59
ST88 L20N 15+00W	.3	3.16	5	ND	51	ND	.76	.3	19	34	57	4.45	.07	.42	362	2	.01	31	.02	11	ND	ND	ND	2	15	ND	ND	36
ST88 L22N BL	.1	6.27	ND	ND	48	ND	.43	.2	21	50	60	5.45	.07	.57	1127	3	.01	41	.42	6	ND	ND	ND	ND	10	ND	ND	87
ST88 L22N 0+50E	.3	5.12	ND	ND	45	ND	.39	.2	21	44	69	4.85	.06	.59	490	3	.01	48	.05	8	ND	ND	ND	ND	13	ND	3	66
ST88 L22N 1+00E	.4	4.02	5	ND	71	ND	.53	.3	23	45	80	4.55	.07	.61	1379	2	.01	43	.08	10	ND	ND	ND	3	15	ND	ND	73
ST88 L22N 1+50E	.1	2.97	29	ND	81	ND	1.28	.5	24	42	68	4.21	.08	.59	1937	1	.01	51	.07	16	ND	ND	ND	ND	24	ND	ND	85
ST88 L22N 2+00E	.3	3.94	53	ND	70	ND	.63	.1	28	75	96	5.64	.08	.70	752	2	.01	107	.04	10	ND	ND	ND	ND	17	ND	ND	73
ST88 L22N 2+50E	.4	3.14	124	ND	50	ND	.43	.1	22	64	62	6.58	.08	.44	537	2	.01	54	.05	16	ND	ND	ND	1	11	ND	ND	82
ST88 L22N 3+00E	.3	1.45	7	ND	91	ND	.46	.1	21	28	21	3.83	.06	.20	1596	ND	.01	23	.04	16	ND	ND	ND	4	16	ND	ND	62
ST88 L22N 3+50E	.1	3.35	13	ND	53	ND	.43	.1	26	67	71	4.85	.07	.86	563	2	.01	58	.04	14	ND	ND	ND	1	13	ND	ND	73
ST88 L22N 4+00E	.1	3.05	12	ND	65	ND	.43	.1	26	91	85	6.60	.07	.70	479	2	.01	71	.07	12	ND	ND	3	1	14	ND	ND	82
ST88 L22N 4+50E	.1	3.52	16	ND	56	ND	.74	.4	30	85	80	5.16	.07	1.31	872	1	.01	71	.07	11	ND	ND	ND	ND	20	ND	ND	84
ST88 L22N 5+00E	.1	7.16	5	ND	87	ND	.64	.5	34	73	120	5.79	.07	.84	1850	4	.01	72	.11	1	ND	ND	ND	ND	19	ND	ND	107
ST88 L22N 5+50E	.4	2.84	16	ND	77	ND	.73	.2	23	43	50	5.43	.07	.48	1814	1	.01	41	.13	16	ND	ND	ND	3	21	ND	ND	90
ST88 L22N 6+00E	.4	3.96	36	ND	72	ND	1.31	.3	33	87	84	5.47	.09	1.22	1953	2	.01	74	.06	11	ND	ND	ND	1	25	ND	ND	106
ST88 L22N 6+50E	.1	4.52	14	ND	74	ND	.59	.1	26	51	86	5.23	.07	.84	1142	3	.01	53	.34	10	ND	ND	ND	1	15	ND	ND	98
ST88 L22N 7+00E	.1	3.50	13	ND	172	ND	1.18	.1	32	43	58	5.15	.08	.80	6093	1	.01	52	.19	15	ND	ND	ND	2	30	ND	ND	115
ST88 L22N 7+50E	.1	.14	8	ND	15	7	1.24	.1	1	1	139	.15	.05	.08	155	ND	.01	5	.02	13	ND	ND	ND	3	20	ND	ND	53
ST88 L22N 8+00E	.1	1.47	10	ND	123	4	.82	.2	25	47	40	2.67	.05	.92	3466	1	.01	43	.07	13	ND	ND	ND	5	21	ND	ND	94
ST88 L22N 0+50W	.1	3.87	6	ND	49	ND	.42	.1	20	39	65	4.98	.06	.30	850	2	.01	27	.07	11	ND	ND	ND	ND	14	ND	ND	76
ST88 L22N 1+00W	.1	2.04	5	ND	83	3	.45	.1	20	25	33	3.65	.06	.27	2161	ND	.01	25	.04	15	ND	ND	ND	1	19	ND	ND	62
ST88 L22N 1+50W	.3	4.25	10	ND	73	ND	.39	.1	23	41	49	4.89	.07	.42	836	2	.01	39	.04	11	ND	ND	ND	1	16	ND	ND	72
ST88 L22N 2+00W	.1	7.38	ND	ND	52	ND	.37	.3	23	60	117	5.34	.07	.74	690	4	.01	52	.10	4	ND	ND	ND	ND	13	ND	ND	66
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L22N 2+50W	.1	8.86	ND	ND	39	ND	.30	.1	20	64	91	5.04	.04	.53	419	4	.01	43	.09	ND	ND	ND	ND	ND	10	ND	ND	53
ST88 L22N 3+00W	.1	3.94	8	ND	45	3	.39	.1	19	37	53	3.81	.04	.39	1038	1	.01	31	.10	10	ND	ND	ND	1	12	ND	ND	71
ST88 L22N 4+00W	.1	1.93	28	ND	67	ND	.07	.1	23	10	71	7.91	.06	.11	1075	ND	.01	25	.06	16	ND	ND	19	ND	3	ND	ND	98
ST88 L22N 4+50W	.1	5.66	4	ND	47	ND	.37	.1	25	48	104	5.16	.04	.64	891	2	.01	46	.09	8	ND	ND	ND	ND	10	ND	ND	71
ST88 L22N 5+00W	.1	7.17	ND	ND	57	ND	.33	.1	22	51	80	4.92	.04	.57	697	3	.01	45	.05	2	ND	ND	ND	ND	12	ND	ND	63
ST88 L22N 5+50W	.1	5.21	6	ND	50	ND	.35	.1	22	48	63	4.71	.04	.47	995	2	.01	31	.07	8	ND	ND	ND	ND	11	ND	ND	70
ST88 L22N 6+00W	.1	5.56	6	ND	58	ND	.36	.1	26	53	97	5.17	.04	.70	682	3	.01	56	.08	9	ND	ND	ND	ND	11	ND	ND	66
ST88 L22N 6+50W	.1	3.79	5	ND	42	3	.26	.1	14	34	51	4.03	.03	.27	492	1	.01	26	.05	10	ND	ND	ND	ND	9	ND	ND	53
ST88 L22N 7+00W	.1	3.14	8	ND	49	ND	.32	.1	16	28	38	4.12	.04	.33	324	ND	.01	27	.03	11	ND	ND	ND	ND	11	ND	ND	53
ST88 L22N 7+50W	.1	4.20	6	ND	68	ND	.35	.1	23	43	78	4.73	.04	.53	1416	1	.01	39	.06	11	ND	ND	ND	ND	9	ND	ND	72
ST88 L22N 8+00W	.1	3.24	11	ND	39	ND	.54	.1	24	51	74	5.39	.05	.85	663	1	.01	45	.04	13	ND	ND	ND	1	12	ND	ND	79
ST88 L22N 8+50W	.1	5.09	7	ND	31	ND	.55	.2	26	60	137	5.12	.04	.99	674	2	.01	53	.07	8	ND	ND	ND	ND	11	ND	ND	67
ST88 L22N 9+00W	.1	1.66	12	ND	36	5	.07	.1	5	16	10	1.79	.02	.16	132	ND	.01	10	.01	7	ND	ND	ND	ND	3	ND	ND	23
ST88 L22N 9+50W	.3	2.35	8	ND	59	ND	.60	.1	27	40	40	5.72	.05	.68	1815	ND	.01	37	.05	17	ND	ND	ND	5	12	ND	ND	65
ST88 L22N 10+00W	.3	3.37	9	ND	42	ND	.49	.1	24	37	84	5.65	.05	.63	451	1	.01	38	.03	10	ND	ND	ND	4	11	ND	ND	57
ST88 L22N10+50WA	.1	4.81	4	ND	49	ND	.46	.1	29	43	84	5.56	.05	.54	1052	2	.01	45	.06	9	ND	ND	ND	1	12	ND	ND	64
ST88 L22N10+50WB	.1	5.06	4	ND	36	ND	.35	.1	20	44	75	4.93	.04	.47	337	2	.01	36	.05	7	ND	ND	ND	ND	10	ND	ND	52
ST88 L22N11+00WA	.1	4.79	3	ND	41	ND	.30	.1	16	41	48	4.92	.04	.29	509	1	.01	29	.08	8	ND	ND	ND	ND	9	ND	ND	56
ST88 L22N11+00WB	.1	5.01	ND	ND	32	ND	.30	.1	20	41	80	4.61	.03	.41	350	2	.01	30	.05	6	ND	ND	ND	ND	8	ND	ND	45
ST88 L22N11+50WA	.1	5.64	ND	ND	29	ND	.28	.1	19	43	63	4.83	.03	.40	392	2	.01	31	.05	4	ND	ND	ND	ND	9	ND	ND	47
ST88 L22N11+50WB	.1	6.14	ND	ND	37	ND	.33	.1	30	46	85	4.46	.04	.55	434	2	.01	54	.05	5	ND	ND	ND	ND	9	ND	ND	57
ST88 L22N12+00WA	.1	5.60	ND	ND	43	ND	.36	.1	21	45	92	4.78	.04	.49	319	2	.01	37	.03	5	ND	ND	ND	ND	11	ND	ND	53
ST88 L22N12+00WB	.1	5.21	ND	ND	32	ND	.36	.1	19	46	102	4.76	.04	.50	472	2	.01	31	.07	6	ND	ND	ND	ND	9	ND	ND	55
ST88 L22N 12+50W	.2	3.13	6	ND	41	ND	.38	.1	21	29	53	3.90	.04	.38	610	ND	.01	26	.03	10	ND	ND	ND	1	13	ND	ND	64
ST88 L22N 13+00W	.1	3.23	5	ND	47	ND	.38	.1	28	32	47	4.74	.04	.18	1946	ND	.01	26	.14	10	ND	ND	ND	1	11	ND	ND	128
ST88 L22N 13+50W	.3	1.71	ND	ND	13	ND	.75	.1	13	22	24	4.25	.04	.15	294	ND	.01	17	.02	15	ND	ND	ND	6	8	ND	ND	26
ST88 L22N 14+00W	.1	6.15	ND	ND	31	ND	.26	.1	17	48	82	4.71	.03	.53	418	2	.01	31	.04	3	ND	ND	ND	ND	8	ND	ND	54
ST88 L22N 14+50W	.1	3.68	7	ND	32	ND	.33	.1	20	40	69	5.27	.04	.41	610	1	.01	30	.05	10	ND	ND	ND	1	10	ND	ND	77
ST88 L22N 15+00W	.1	4.07	7	ND	39	ND	.34	.2	22	31	82	4.05	.04	.35	1752	1	.01	29	.09	10	ND	ND	ND	1	10	ND	ND	86
ST88 L24N BL	.1	2.29	6	ND	37	3	.35	.1	16	26	32	4.12	.03	.18	406	ND	.01	20	.05	15	ND	ND	ND	2	12	ND	ND	53
ST88 L24N 0+50E	.1	3.62	12	ND	81	ND	.91	.1	37	82	102	5.82	.06	1.11	2456	ND	.01	66	.03	10	ND	ND	ND	ND	19	ND	ND	86
ST88 L24N 1+00E	.1	3.24	7	ND	107	ND	.42	.1	28	48	55	4.79	.04	.35	3421	ND	.01	43	.06	12	ND	ND	ND	ND	13	ND	ND	127
ST88 L24N 1+50E	.1	4.87	10	ND	59	ND	.37	.1	22	51	83	5.60	.04	.49	374	2	.01	50	.05	8	ND	ND	ND	ND	12	ND	ND	65
ST88 L24N 2+50E	.1	2.70	5	ND	97	ND	.72	.1	26	35	40	4.06	.04	.51	2231	ND	.01	39	.04	13	ND	ND	ND	1	18	ND	ND	89
ST88 L24N 3+00E	.1	5.89	7	ND	44	ND	.61	.1	26	51	92	5.46	.04	.98	858	2	.01	49	.14	3	ND	ND	ND	ND	12	ND	ND	68
ST88 L24N 3+50E	.1	2.57	5	ND	87	ND	.43	.1	20	31	45	4.11	.03	.34	2785	ND	.01	26	.20	12	ND	ND	ND	1	13	ND	ND	97
ST88 L24N 4+00E	.1	6.41	ND	ND	78	ND	.45	.1	24	59	102	5.11	.04	.79	1501	2	.01	49	.13	2	ND	ND	ND	ND	10	ND	ND	65
ST88 L24N 4+50E	.1	5.03	3	ND	73	ND	.42	.1	23	47	66	4.61	.04	.51	838	2	.01	40	.07	8	ND	ND	ND	ND	14	ND	ND	83
ST88 L24N 5+00E	.1	5.75	ND	ND	41	ND	.34	.1	21	52	66	4.82	.03	.51	374	2	.01	37	.05	2	ND	ND	ND	ND	10	ND	ND	65
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L24N 5+50E	.1	6.12	3	ND	56	ND	.48	.1	24	56	110	4.91	.06	.68	686	3	.01	53	.08	2	ND	ND	ND	ND	16	ND	ND	71
ST88 L24N 6+00E	.1	4.90	4	ND	111	ND	.56	.1	25	49	101	5.16	.06	.43	1181	2	.01	44	.06	8	ND	ND	ND	2	23	ND	ND	81
ST88 L24N 6+50E	.1	3.40	5	ND	53	3	.53	.1	31	44	68	4.91	.06	.56	359	1	.01	45	.03	11	ND	ND	ND	3	21	ND	ND	70
ST88 L24N 7+50E	.1	4.89	7	ND	62	ND	.65	.1	29	46	115	4.72	.06	.71	1149	2	.01	52	.17	3	ND	ND	ND	1	21	ND	ND	134
ST88 L24N 8+00E	.1	4.14	5	ND	89	ND	.40	.1	20	35	43	3.66	.05	.35	799	2	.01	41	.10	9	ND	ND	ND	ND	21	ND	ND	78
ST88 L24N 8+50E	.1	3.58	9	ND	50	ND	.60	.2	24	38	100	4.97	.06	.56	410	1	.01	38	.07	9	ND	ND	ND	3	22	ND	ND	52
ST88 L24N 0+50W	.1	3.22	4	ND	83	ND	.46	.2	25	46	56	5.72	.06	.34	1220	1	.01	37	.08	13	ND	ND	ND	3	21	ND	ND	84
ST88 L24N 1+00W	.1	3.94	4	ND	58	ND	.69	.1	28	45	74	5.07	.06	.76	643	1	.01	51	.04	7	ND	ND	ND	2	21	ND	ND	57
ST88 L24N 1+50W	.1	3.29	8	ND	50	ND	.56	.1	32	45	70	5.47	.06	.53	695	1	.01	42	.06	13	ND	ND	ND	4	22	ND	ND	83
ST88 L24N 2+00W	.1	4.79	8	ND	46	ND	.50	.3	26	57	105	5.16	.06	.91	846	2	.01	54	.11	6	ND	ND	ND	2	16	ND	ND	78
ST88 L24N 2+50W	.1	3.22	6	ND	95	ND	.65	.1	29	56	53	6.43	.07	.40	2441	ND	.01	44	.11	15	ND	ND	ND	2	25	ND	ND	97
ST88 L24N 3+00W	.4	2.75	7	ND	58	3	.58	.1	43	48	64	4.72	.06	.34	1447	ND	.01	31	.07	13	ND	ND	ND	5	29	ND	ND	124
ST88 L24N 3+50W	.1	5.12	7	ND	130	ND	.83	.3	31	71	129	5.24	.07	1.06	1140	2	.01	63	.05	10	ND	ND	ND	ND	22	ND	ND	72
ST88 L24N 4+00W	.1	5.55	4	ND	100	ND	.58	.1	32	59	109	5.76	.07	.80	1509	2	.01	59	.05	6	ND	ND	ND	ND	24	ND	ND	82
ST88 L24N 4+50W	.1	3.12	8	ND	129	ND	.54	.1	25	33	62	4.30	.05	.39	3032	ND	.01	33	.08	14	ND	ND	ND	2	23	ND	ND	121
ST88 L24N 5+00W	.1	2.02	5	ND	45	3	.43	.1	20	25	27	3.27	.05	.26	1074	ND	.01	21	.02	11	ND	ND	ND	3	19	ND	ND	58
ST88 L24N 5+50W	.1	3.39	6	ND	39	ND	.44	.2	21	37	44	5.16	.06	.44	528	2	.01	37	.03	12	ND	ND	ND	4	20	ND	ND	51
ST88 L24N 6+00W	.1	4.05	ND	ND	62	ND	.54	.2	28	46	88	4.57	.05	.54	1141	2	.01	38	.08	9	ND	ND	ND	3	20	ND	ND	72
ST88 L24N 6+50W	.1	5.27	7	ND	55	ND	.48	.2	26	54	100	5.26	.06	.83	1161	2	.01	54	.17	6	ND	ND	ND	1	16	ND	ND	92
ST88 L24N 7+00W	.1	4.83	7	ND	46	ND	.44	.1	24	47	94	5.10	.05	.63	1669	2	.01	41	.14	1	ND	ND	ND	1	15	ND	ND	81
ST88 L24N 7+50W	.1	2.97	7	ND	59	ND	.50	.1	23	49	49	5.12	.07	.40	854	1	.01	41	.04	12	ND	ND	ND	3	18	ND	ND	81
ST88 L24N 8+00W	.1	6.00	10	ND	48	ND	.43	.1	27	51	123	4.66	.06	.65	691	3	.01	50	.11	3	ND	ND	ND	ND	13	ND	ND	112
ST88 L24N 8+50W	.2	6.49	4	ND	33	ND	.39	.1	21	57	92	5.17	.06	.60	299	3	.01	39	.07	2	ND	ND	ND	ND	14	ND	ND	63
ST88 L24N 10+50W	.1	2.83	10	ND	55	ND	.41	.3	36	115	47	6.08	.06	1.93	836	1	.01	71	.03	15	ND	ND	ND	2	12	ND	5	97
ST88 L24N 11+00W	.5	4.24	16	ND	49	ND	.98	.2	55	64	78	7.50	.02	2.68	2070	2	.01	72	.06	13	ND	ND	ND	6	31	ND	ND	127
ST88 L24N 11+50W	.4	5.44	7	ND	66	ND	.44	.2	40	60	71	9.89	.10	.32	2218	3	.01	51	.15	13	ND	ND	ND	2	23	ND	ND	160
ST88 L24N 12+00W	.5	2.15	9	ND	31	ND	.32	.1	17	30	40	4.98	.06	.20	322	ND	.01	22	.06	17	ND	ND	ND	7	15	ND	ND	63
ST88 L24N 12+50W	.1	2.97	33	ND	45	ND	.32	.1	23	40	86	6.91	.07	.27	457	1	.01	45	.06	14	ND	ND	ND	ND	11	ND	ND	137
ST88 L24N 13+00W	.1	7.19	4	ND	35	ND	.36	.1	22	56	101	5.27	.06	.56	693	4	.01	37	.10	3	ND	ND	ND	ND	13	ND	ND	71
ST88 L24N 13+50W	.1	4.91	21	ND	47	ND	.43	.1	34	53	144	6.55	.07	.76	630	3	.01	65	.06	9	ND	ND	3	ND	13	ND	ND	98
ST88 L24N 14+00W	.4	1.87	9	ND	36	ND	.35	.1	19	29	131	4.25	.06	.16	663	ND	.01	20	.04	22	ND	ND	ND	4	16	ND	ND	62
ST88 L24N 14+50W	.1	3.92	15	ND	61	ND	.26	.1	20	29	115	5.25	.06	.46	618	2	.01	32	.06	10	ND	ND	ND	ND	12	ND	ND	110
ST88 L24N 15+00W	.1	4.33	53	ND	58	ND	.39	.1	29	47	126	6.73	.07	.70	640	2	.01	53	.06	12	ND	ND	ND	1	16	ND	ND	93
ST88 L26N BL	.1	5.20	7	ND	53	ND	.91	.1	30	62	110	6.29	.08	.69	683	3	.01	53	.05	10	ND	ND	ND	1	20	ND	ND	57
ST88 L26N 0+50E	.1	4.23	8	ND	89	ND	1.72	.4	38	85	98	5.50	.08	2.04	1470	2	.01	76	.05	12	ND	ND	ND	2	30	ND	ND	94
ST88 L26N 1+00E	.2	3.77	9	ND	46	ND	.48	.1	21	36	56	5.07	.06	.50	356	1	.01	38	.05	13	ND	ND	ND	4	16	ND	ND	65
ST88 L26N 1+50E	.4	1.79	9	ND	43	3	.48	.1	18	29	31	4.17	.06	.26	520	ND	.01	20	.03	16	ND	ND	ND	5	17	ND	ND	51
ST88 L26N 2+00E	.1	4.25	12	ND	113	ND	1.29	.4	38	82	102	5.91	.08	1.70	1403	2	.01	79	.03	10	ND	ND	ND	ND	24	ND	ND	115
ST88 L26N 2+50E	.2	5.69	6	ND	42	ND	.51	.1	26	55	92	4.45	.06	.60	735	2	.01	45	.05	6	ND	ND	ND	2	18	ND	ND	46
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L26N 3+00E	.5	3.11	ND	ND	46	ND	.40	.1	14	32	41	4.53	.04	.30	470	1	.01	28	.02	12	ND	ND	ND	1	17	ND	ND	36
ST88 L26N 3+50E	.1	3.98	23	ND	127	ND	.66	.1	26	73	86	5.10	.05	1.02	706	1	.01	67	.02	8	ND	ND	ND	ND	30	ND	ND	60
ST88 L26N 4+00E	.1	3.68	ND	ND	310	ND	.82	.1	32	44	91	5.24	.06	.54	5569	1	.01	49	.09	12	ND	ND	ND	ND	30	ND	ND	96
ST88 L26N 4+50E	.2	5.11	ND	ND	72	3	.47	.1	20	38	58	3.41	.03	.38	1108	2	.01	33	.07	7	ND	ND	ND	ND	19	ND	ND	66
ST88 L26N 5+00E	.1	3.24	ND	ND	73	ND	.49	.1	18	34	93	3.42	.03	.43	637	1	.01	35	.02	9	ND	ND	ND	1	20	ND	ND	52
ST88 L26N 6+00E	.2	4.99	10	ND	71	ND	.69	.1	31	68	118	6.93	.06	.92	822	2	.01	72	.06	12	ND	ND	ND	ND	20	ND	ND	96
ST88 L26N 6+50E	.1	5.26	3	ND	89	ND	.56	.3	31	52	176	5.69	.05	.98	707	2	.01	64	.03	7	ND	ND	ND	ND	21	ND	ND	69
ST88 L26N 7+50E	.3	4.10	ND	ND	45	ND	.90	.1	25	39	96	5.20	.06	.88	556	2	.01	49	.04	12	ND	ND	ND	2	21	ND	ND	57
ST88 L26N 0+50W	.1	5.12	ND	ND	91	ND	.83	.1	29	81	57	6.05	.06	.67	858	2	.01	76	.04	10	ND	ND	ND	ND	23	ND	ND	102
ST88 L26N 1+00W	.3	2.32	ND	ND	40	ND	.48	.1	17	39	34	5.26	.05	.34	349	ND	.01	30	.02	16	ND	ND	ND	3	18	ND	ND	55
ST88 L26N 1+50W	.1	4.25	ND	ND	49	3	.51	.1	23	42	79	4.80	.04	.67	394	2	.01	47	.02	8	ND	ND	ND	ND	17	ND	ND	66
ST88 L26N 2+00W	.1	4.16	ND	ND	82	ND	.70	.2	32	42	59	5.09	.06	.63	3821	1	.01	53	.06	12	ND	ND	ND	ND	22	ND	ND	111
ST88 L26N 2+50W	.1	4.19	ND	ND	85	ND	.70	.1	34	42	60	4.76	.06	.61	3303	2	.01	52	.05	12	ND	ND	ND	ND	19	ND	ND	70
ST88 L26N 3+00W	.2	4.57	ND	ND	61	ND	.62	.1	27	45	86	5.26	.05	.83	724	2	.01	52	.05	8	ND	ND	ND	ND	18	ND	ND	59
ST88 L26N 3+50W	.1	4.57	ND	ND	74	ND	.85	.1	25	46	59	5.53	.06	.67	795	2	.01	53	.03	8	ND	ND	ND	ND	24	ND	ND	67
ST88 L26N 4+00W	.1	3.36	ND	ND	44	ND	.63	.1	22	37	46	5.41	.05	.58	386	1	.01	40	.02	11	ND	ND	ND	1	23	ND	ND	41
ST88 L26N 4+50W	.2	4.95	ND	ND	61	ND	.54	.1	31	56	101	5.75	.05	.81	894	2	.01	57	.05	10	ND	ND	ND	ND	23	ND	ND	85
ST88 L26N 5+00W	.3	4.84	5	ND	38	ND	.60	.2	26	49	84	4.85	.05	.83	457	2	.01	53	.07	8	ND	ND	ND	ND	19	ND	ND	56
ST88 L26N 5+50W	.1	5.96	ND	ND	126	ND	.54	.1	30	61	115	5.49	.05	1.07	3375	2	.01	68	.12	8	ND	ND	ND	ND	21	ND	ND	95
ST88 L26N 6+00W	.1	7.14	ND	ND	57	ND	.43	.2	25	64	105	5.20	.05	.76	621	2	.01	51	.06	1	ND	ND	ND	ND	18	ND	ND	70
ST88 L26N 6+50W	.1	5.64	ND	ND	60	ND	.51	.1	29	54	93	5.19	.05	.58	900	2	.01	54	.10	3	ND	ND	ND	ND	18	ND	ND	92
ST88 L26N 7+00W	.1	2.93	4	ND	98	ND	.46	.1	25	30	43	3.95	.04	.29	6221	ND	.01	32	.14	13	ND	ND	ND	1	19	ND	ND	82
ST88 L26N 7+50W	.1	6.77	ND	ND	64	ND	.39	.1	28	56	73	6.21	.05	.51	464	3	.01	56	.05	3	ND	ND	ND	ND	16	ND	ND	82
ST88 L26N 8+00W	.1	7.22	ND	ND	54	ND	.50	.1	28	55	129	5.31	.05	.76	629	2	.01	57	.06	ND	ND	ND	ND	ND	16	ND	ND	72
ST88 L26N 8+50W	.1	2.70	5	ND	47	ND	.47	.1	14	32	42	4.44	.04	.30	524	ND	.01	28	.04	11	ND	ND	ND	1	17	ND	ND	53
ST88 L26N 9+00W	.1	5.94	ND	ND	46	ND	.59	.1	27	54	129	5.14	.05	.98	636	2	.01	54	.06	2	ND	ND	ND	ND	17	ND	ND	64
ST88 L26N 9+50W	.1	5.24	ND	ND	53	ND	.73	.1	26	52	97	4.97	.05	.97	605	2	.01	52	.03	7	ND	ND	ND	ND	21	ND	ND	67
ST88 L26N 10+00W	.1	3.09	ND	ND	65	ND	.57	.1	20	37	67	5.14	.04	.41	423	1	.01	39	.02	13	ND	ND	ND	2	18	ND	ND	63
ST88 L26N 10+50W	.1	3.83	ND	ND	61	ND	.47	.1	26	35	90	4.06	.04	.52	1167	1	.01	42	.04	9	ND	ND	ND	ND	18	ND	ND	64
ST88 L26N 11+00W	.2	6.51	ND	ND	44	ND	.41	.1	21	42	64	4.30	.03	.45	586	2	.01	35	.07	7	ND	ND	ND	ND	14	ND	ND	66
ST88 L26N 11+50W	.3	5.65	ND	ND	33	ND	.59	.1	26	52	153	5.25	.05	.94	451	2	.01	51	.05	7	ND	ND	ND	ND	17	ND	ND	56
ST88 L26N 12+50W	.2	5.42	ND	ND	44	ND	.43	.1	23	49	74	5.76	.05	.46	238	2	.01	42	.02	7	ND	ND	ND	ND	20	ND	ND	37
ST88 L26N 13+00W	.1	7.76	ND	ND	33	ND	.43	.1	22	60	114	5.83	.05	.62	433	3	.01	47	.07	ND	ND	ND	ND	ND	18	ND	ND	55
ST88 L26N 13+50W	.2	4.62	ND	ND	42	ND	.50	.1	20	43	66	4.85	.04	.58	401	2	.01	34	.04	9	ND	ND	ND	ND	17	ND	ND	50
ST88 L26N 14+00W	.1	6.42	ND	ND	36	ND	.46	.1	24	48	93	4.73	.04	.60	823	2	.01	45	.08	4	ND	ND	ND	ND	15	ND	ND	61
ST88 L26N 14+50W	.2	4.54	ND	ND	68	ND	.50	.1	23	38	50	4.44	.04	.42	1019	2	.01	35	.07	10	ND	ND	ND	ND	17	ND	ND	94
ST88 L28N BL	.1	5.25	ND	ND	79	ND	.44	.1	23	40	70	4.48	.04	.38	627	2	.01	40	.05	5	ND	ND	ND	ND	17	ND	ND	86
ST88 L28N 0+50E	.1	2.88	3	ND	48	3	.56	.1	19	36	39	3.46	.03	.52	223	1	.01	38	.02	8	ND	ND	ND	1	20	ND	ND	38
ST88 L28N 1+00E	.1	4.10	ND	ND	83	ND	.47	.1	19	37	61	4.07	.04	.48	2366	2	.01	35	.09	12	ND	ND	ND	ND	16	ND	ND	93
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST83 L28N 1+50E	.3	4.41	11	ND	69	ND	.44	.1	23	46	54	4.73	.05	.40	693	3	.01	31	.07	21	ND	ND	ND	ND	17	ND	ND	76
ST86 L28N 2+00E	.3	6.25	3	ND	53	ND	.56	.1	25	62	108	5.94	.07	.65	686	4	.01	51	.08	13	ND	ND	ND	ND	19	ND	ND	74
ST88 L28N 2+50E	.1	4.79	7	ND	65	ND	.40	.1	29	72	56	6.55	.06	.45	2340	3	.01	46	.30	14	ND	ND	ND	ND	15	ND	ND	113
ST88 L28N 3+00E	.3	6.71	4	ND	49	ND	.54	.1	31	64	94	5.92	.06	.68	437	4	.01	66	.04	8	ND	ND	ND	ND	18	ND	ND	69
ST88 L28N 3+50E	.1	6.64	ND	ND	70	ND	.51	.1	23	54	103	5.42	.05	.44	834	4	.01	42	.17	12	ND	ND	ND	ND	19	ND	ND	98
ST86 L28N 4+00E	.1	2.33	ND	ND	144	3	.61	.1	17	29	29	3.59	.05	.28	1825	1	.01	27	.06	14	ND	ND	ND	3	23	ND	ND	81
ST88 L28N 4+50E	.3	2.84	9	ND	146	ND	.86	.1	36	50	57	5.60	.07	.46	4350	1	.01	42	.13	15	ND	ND	ND	4	48	ND	ND	142
ST88 L28N 5+00E	.1	5.00	3	ND	120	ND	.54	.2	25	50	89	4.92	.05	.61	1633	3	.01	53	.08	13	ND	ND	ND	ND	19	ND	ND	100
ST88 L28N 5+50E	.1	1.61	7	ND	234	ND	1.11	.1	25	46	33	3.32	.05	.79	8125	ND	.01	42	.08	39	ND	ND	ND	1	31	ND	ND	120
ST88 L28N 6+00E	.1	2.62	3	ND	93	ND	.48	.1	22	28	49	4.66	.05	.34	754	1	.01	32	.06	15	ND	ND	ND	1	21	ND	ND	101
ST88 L28N 6+50E	.4	5.34	ND	ND	46	ND	.56	.1	34	55	176	7.16	.07	.40	407	3	.01	61	.04	15	ND	ND	ND	1	25	ND	ND	57
ST88 L28N 7+00E	.1	2.74	6	ND	223	ND	1.67	1.1	26	31	151	2.81	.07	.53	18432	2	.01	52	.13	29	ND	ND	ND	ND	42	9	ND	268
ST88 L28N 7+50E	.1	1.23	ND	ND	52	6	1.39	.1	14	45	30	1.83	.05	.64	459	ND	.01	31	.06	14	ND	ND	ND	6	30	ND	ND	66
ST88 L28N 0+50W	.1	9.55	ND	ND	49	ND	.41	.2	25	72	108	5.64	.05	.65	371	4	.01	50	.06	1	ND	ND	ND	ND	18	ND	ND	48
ST88 L28N 1+00W	.1	6.61	ND	ND	59	ND	.46	.1	24	53	75	4.82	.04	.53	537	3	.01	44	.05	5	ND	ND	ND	ND	20	ND	ND	49
ST88 L28N 1+50W	.1	9.35	ND	ND	56	ND	.35	.1	23	70	90	5.50	.05	.54	374	5	.01	48	.07	1	ND	ND	ND	ND	16	ND	ND	53
ST88 L28N 2+00W	.1	6.08	ND	ND	69	ND	.38	.2	21	46	59	4.75	.04	.38	407	3	.01	31	.05	11	ND	ND	ND	ND	20	ND	ND	60
ST88 L28N 2+50W	.1	2.25	ND	ND	45	ND	.46	.1	14	33	29	4.59	.05	.25	293	1	.01	23	.03	14	ND	ND	ND	1	23	ND	ND	42
ST88 L28N 3+00W	.1	3.50	ND	ND	73	ND	.58	.1	25	40	53	5.12	.05	.43	957	1	.01	31	.04	13	ND	ND	ND	ND	24	ND	ND	66
ST88 L28N 3+50W	.1	4.05	ND	ND	64	ND	.48	.1	25	56	83	6.00	.05	.56	360	2	.01	55	.02	14	ND	ND	ND	ND	20	ND	ND	55
ST88 L28N 4+50W	.1	4.27	ND	ND	51	ND	.40	.1	22	42	49	5.10	.05	.41	357	2	.01	42	.05	12	ND	ND	ND	ND	17	ND	ND	64
ST88 L28N 5+00W	.1	5.44	ND	ND	56	ND	.45	.1	22	50	81	4.52	.05	.58	419	3	.01	47	.06	6	ND	ND	ND	ND	18	ND	ND	74
ST88 L28N 5+50W	.1	4.50	3	ND	64	ND	.45	.1	25	53	85	5.27	.05	.64	601	2	.01	51	.05	9	ND	ND	ND	ND	20	ND	ND	66
ST88 L28N 6+00W	.1	5.99	ND	ND	56	ND	.56	.2	27	53	112	5.30	.06	.96	1018	4	.01	57	.16	6	ND	ND	ND	ND	17	ND	ND	89
ST88 L28N 6+50W	.1	2.97	ND	ND	44	ND	.45	.1	22	38	39	4.80	.05	.36	493	2	.01	32	.03	14	ND	ND	ND	2	21	ND	ND	67
ST88 L28N 7+00W	.3	4.39	ND	ND	74	ND	.48	.1	26	46	90	5.58	.06	.56	400	3	.01	46	.02	10	ND	ND	ND	1	20	ND	ND	56
ST88 L28N 7+50W	.1	3.99	ND	ND	67	ND	.46	.1	32	73	88	6.27	.06	.45	1965	2	.01	52	.06	13	ND	ND	ND	ND	17	ND	ND	119
ST88 L28N 8+00W	.1	5.05	ND	ND	71	ND	.53	.1	29	49	116	5.17	.05	.77	528	3	.01	56	.04	13	ND	ND	ND	ND	20	ND	ND	87
ST88 L28N 9+50W	.4	4.77	ND	ND	45	ND	.46	.1	25	48	80	5.41	.05	.48	364	3	.01	45	.04	13	ND	ND	ND	ND	17	ND	ND	46
ST88 L28N 10+00W	.1	4.47	ND	ND	68	ND	.45	.1	27	41	95	5.37	.05	.41	784	2	.01	43	.08	15	ND	ND	ND	ND	16	ND	ND	91
ST88 L28N 10+50W	.1	4.55	4	ND	67	ND	.44	.2	25	40	90	5.08	.05	.35	903	3	.01	41	.08	13	ND	ND	ND	ND	16	ND	ND	96
ST88 L28N 11+00W	.1	6.50	ND	ND	69	ND	.40	.1	26	53	81	4.83	.05	.64	650	4	.01	52	.06	13	ND	ND	ND	ND	16	ND	ND	89
ST88 L28N 11+50W	.1	6.39	ND	ND	61	ND	.48	.1	26	56	102	4.75	.05	.66	1072	4	.01	45	.06	6	ND	ND	ND	ND	20	ND	ND	69
ST88 L28N 12+00W	.1	3.91	6	ND	56	ND	.56	.1	24	42	94	4.90	.05	.63	712	2	.01	43	.04	15	ND	ND	ND	1	18	ND	ND	64
ST88 L28N 12+50W	.1	5.79	ND	ND	66	ND	.53	.1	27	49	101	4.65	.05	.60	752	4	.01	44	.05	13	ND	ND	ND	ND	20	ND	ND	73
ST88 L28N 13+00W	.1	6.33	ND	ND	143	ND	.97	.1	58	51	82	4.65	.07	.83	5674	4	.01	90	.08	14	ND	ND	ND	ND	28	ND	ND	144
ST88 L28N 13+50W	.1	3.77	ND	ND	55	ND	.46	.1	25	37	68	4.22	.04	.55	430	2	.01	40	.02	14	ND	ND	ND	1	21	ND	ND	57
ST88 L28N 14+00W	.4	5.05	ND	ND	34	ND	.46	.1	21	49	89	5.14	.05	.55	433	3	.01	38	.08	18	ND	ND	ND	ND	20	ND	ND	60
ST88 L28N 14+50W	.3	5.35	ND	ND	41	ND	.45	.1	20	50	82	5.25	.05	.50	761	3	.01	31	.11	18	ND	ND	ND	ND	19	ND	ND	72
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L28N 15+00W	.2	5.15	ND	ND	40	ND	.43	.1	19	48	79	5.01	.06	.48	889	2	.01	32	.08	11	ND	ND	ND	ND	16	ND	ND	66
ST88 L30N BL	.2	5.23	4	ND	60	ND	.44	.1	24	49	93	4.95	.06	.54	661	2	.01	44	.07	12	ND	ND	ND	ND	17	ND	ND	64
ST88 L30N 0+50E	.1	5.01	ND	ND	75	ND	.40	.1	30	67	79	5.59	.06	.96	1271	2	.01	57	.06	12	ND	ND	ND	ND	19	ND	ND	85
ST88 L30N 1+00E	.2	4.64	5	ND	79	ND	.68	.1	27	47	76	5.30	.06	.68	1187	1	.01	50	.07	15	ND	ND	ND	ND	20	ND	ND	74
ST88 L30N 1+50E	.2	6.99	ND	ND	59	ND	.48	.1	24	55	88	4.65	.05	.56	600	2	.01	46	.12	7	ND	ND	ND	ND	18	ND	ND	70
ST88 L30N 2+00E	.2	3.79	5	ND	86	ND	.52	.1	27	48	53	5.26	.06	.32	1020	ND	.01	41	.08	12	ND	ND	ND	2	21	ND	ND	105
ST88 L30N 2+50E	.3	4.58	12	ND	60	ND	.68	.1	29	61	120	5.58	.07	.78	571	1	.01	54	.03	10	ND	ND	ND	ND	19	ND	ND	82
ST88 L30N 3+00E	.1	6.37	ND	ND	66	ND	.51	.1	30	55	99	5.55	.06	.78	522	2	.01	63	.03	1	ND	ND	ND	ND	18	ND	ND	69
ST88 L30N 3+50E	.1	6.22	5	ND	59	ND	.36	.1	21	50	85	5.51	.06	.36	529	2	.01	40	.12	12	ND	ND	ND	ND	15	ND	ND	75
ST88 L30N 4+00E	.1	5.94	ND	ND	58	ND	.36	.1	20	46	82	5.48	.06	.30	1042	2	.01	39	.10	12	ND	ND	ND	ND	14	ND	ND	66
ST88 L30N 4+50E	.1	4.79	3	ND	56	ND	.35	.1	28	38	136	5.55	.06	.36	724	1	.01	44	.16	10	ND	ND	ND	ND	14	ND	ND	104
ST88 L30N 5+00E	.1	3.77	7	ND	128	ND	.46	.5	31	37	285	5.80	.06	.26	5011	ND	.01	39	.14	18	ND	ND	10	ND	20	ND	ND	169
ST88 L30N 5+50E	.2	6.94	7	ND	51	ND	.55	.4	36	58	574	5.92	.07	.52	535	3	.01	64	.03	8	ND	ND	ND	ND	15	ND	ND	44
ST88 L30N 6+00E	.1	3.24	3	ND	90	ND	.64	.1	26	35	75	6.05	.06	.34	1227	ND	.01	41	.06	20	ND	ND	ND	ND	25	ND	ND	110
ST88 L30N 6+50E	.1	5.33	6	ND	69	ND	.58	.2	28	41	103	5.49	.06	.59	755	1	.01	49	.11	6	ND	ND	ND	ND	18	ND	ND	102
ST88 L30N 7+00E	.4	4.67	11	ND	70	ND	.79	.3	41	42	129	6.49	.07	.81	1230	2	.01	54	.07	20	ND	ND	ND	ND	23	ND	ND	108
ST88 L30N 7+50E	.1	6.59	55	ND	119	ND	.66	.2	68	28	141	6.39	.08	.48	8654	3	.01	73	.20	15	ND	ND	ND	ND	19	ND	ND	232
ST88 L30N 8+00E	.1	5.75	44	ND	101	ND	.98	.5	37	42	112	6.05	.08	.86	4168	2	.01	74	.11	9	ND	ND	ND	ND	25	ND	ND	168
ST88 L30N 8+50E	.2	3.72	17	ND	28	ND	.78	.1	91	35	508	7.88	.08	.40	529	ND	.01	66	.04	20	ND	ND	ND	ND	26	ND	ND	130
ST88 L30N 0+50W	.1	6.46	ND	ND	54	ND	.48	.1	30	51	92	5.37	.05	.65	805	2	.01	51	.08	5	ND	ND	ND	ND	17	ND	ND	63
ST88 L30N 1+00W	.1	3.47	3	ND	53	5	.44	.1	18	31	42	3.99	.04	.34	533	ND	.01	35	.05	15	ND	ND	ND	1	18	ND	ND	44
ST88 L30N 1+50W	.1	6.70	ND	ND	65	ND	.53	.1	30	62	121	5.65	.06	.94	587	2	.01	61	.05	1	ND	ND	ND	ND	19	ND	ND	62
ST88 L30N 2+00W	.1	3.72	ND	ND	61	ND	.44	.1	21	37	49	4.52	.05	.32	760	ND	.01	34	.04	11	ND	ND	ND	ND	22	ND	ND	63
ST88 L30N 2+50W	.1	5.20	ND	ND	66	ND	.45	.1	21	43	73	4.92	.05	.55	316	1	.01	44	.03	6	ND	ND	ND	ND	22	ND	ND	31
ST88 L30N 3+00W	.1	3.65	ND	ND	100	ND	.48	.1	21	33	48	4.14	.05	.45	710	ND	.01	34	.03	12	ND	ND	ND	1	24	ND	ND	55
ST88 L30N 3+50W	.1	3.02	4	ND	40	ND	.41	.1	15	31	36	4.23	.05	.30	184	ND	.01	28	.02	15	ND	ND	ND	ND	22	ND	ND	20
ST88 L30N 4+00W	.1	4.59	ND	ND	83	ND	.48	.2	27	43	56	4.55	.05	.51	816	1	.01	43	.06	13	ND	ND	ND	ND	20	ND	ND	69
ST88 L30N 4+50W	.1	5.54	ND	ND	53	ND	.48	.3	29	57	73	6.25	.06	.65	362	2	.01	53	.03	13	ND	ND	ND	ND	18	ND	ND	60
ST88 L30N 5+00W	.1	4.58	ND	ND	63	ND	.48	.1	24	43	58	5.16	.05	.51	535	1	.01	43	.08	14	ND	ND	ND	ND	19	ND	ND	96
ST88 L30N 5+50W	.1	6.46	ND	ND	54	ND	.43	.1	28	59	109	5.19	.05	.80	519	2	.01	55	.05	5	ND	ND	ND	ND	16	ND	ND	58
ST88 L30N 6+00W	.1	3.72	5	ND	46	ND	.59	.1	26	42	59	5.12	.05	.65	492	1	.01	47	.03	14	ND	ND	ND	ND	22	ND	ND	46
ST88 L30N 6+50W	.1	5.66	ND	ND	70	ND	.51	.1	28	51	94	5.02	.05	.72	916	2	.01	51	.10	9	ND	ND	ND	ND	21	ND	ND	115
ST88 L30N 7+00W	.1	5.37	5	ND	67	ND	.51	.1	29	52	86	5.50	.05	.93	500	1	.01	56	.03	6	ND	ND	ND	ND	21	ND	ND	55
ST88 L30N 7+50W	.1	6.37	ND	ND	52	ND	.48	.1	26	58	111	5.74	.05	.76	680	2	.01	53	.10	1	ND	ND	ND	ND	19	ND	ND	79
ST88 L30N 8+00W	.1	5.17	ND	ND	59	ND	.48	.1	31	46	84	4.84	.05	.54	1690	1	.01	44	.08	11	ND	ND	ND	ND	21	ND	ND	98
ST88 L30N 8+50W	.1	6.66	ND	ND	60	ND	.41	.1	24	56	73	5.26	.05	.48	746	2	.01	42	.07	7	ND	ND	ND	ND	19	ND	ND	88
ST88 L30N 9+00W	.1	5.42	3	ND	111	ND	.52	.1	28	54	95	4.69	.05	.77	2061	1	.01	62	.06	12	ND	ND	ND	ND	20	ND	ND	73
ST88 L30N 9+50W	.1	5.90	5	ND	108	ND	.65	.1	38	68	129	6.23	.06	.80	4136	2	.01	64	.15	12	ND	ND	ND	ND	20	ND	ND	126
ST88 L30N 10+00W	.1	5.33	5	ND	74	ND	.56	.1	30	46	117	5.24	.05	.97	620	1	.01	57	.05	11	ND	ND	ND	ND	18	ND	ND	69
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L30N 10+50W	.1	5.79	5	ND	52	ND	.42	.3	24	59	124	5.29	.05	.65	824	3	.01	53	.05	16	ND	ND	ND	ND	15	ND	ND	72
ST88 L30N 11+00W	.1	4.98	ND	ND	52	ND	.38	.1	19	37	56	4.32	.04	.38	502	2	.01	30	.06	11	ND	ND	ND	ND	15	ND	ND	85
ST88 L30N 11+50W	.1	6.74	ND	ND	69	ND	.39	.2	31	53	87	4.99	.04	.80	476	3	.01	64	.04	ND	ND	ND	ND	ND	15	ND	ND	76
ST88 L30N 12+00W	.3	3.60	ND	ND	50	ND	.39	.1	17	35	75	5.42	.05	.36	229	1	.01	32	.01	15	ND	ND	ND	ND	15	ND	ND	61
ST88 L30N 12+50W	.1	7.35	ND	ND	71	ND	.40	.1	22	60	100	5.74	.05	.46	1423	3	.01	44	.14	8	ND	ND	ND	ND	16	ND	ND	96
ST88 L30N 13+00W	.3	4.75	10	ND	35	ND	.50	.3	26	45	122	4.96	.05	.96	446	3	.01	51	.03	15	ND	ND	ND	ND	14	ND	ND	66
ST88 L30N 13+50W	.1	3.39	ND	ND	100	ND	.51	.1	22	33	50	4.29	.04	.41	1440	1	.01	34	.04	23	ND	ND	ND	1	22	ND	ND	81
ST88 L30N 14+00W	.1	6.66	ND	ND	69	ND	.44	.3	25	60	112	5.75	.05	.74	1535	3	.01	54	.08	8	ND	ND	ND	ND	17	ND	ND	73
ST88 L30N 14+50W	.3	4.66	6	ND	65	ND	.44	.1	25	41	81	5.57	.05	.40	595	2	.01	31	.06	17	ND	ND	ND	ND	16	ND	ND	82
ST88 L30N 15+00W	.1	6.39	ND	ND	33	ND	.44	.3	27	60	119	5.31	.05	.68	428	3	.01	54	.03	ND	ND	ND	ND	ND	15	ND	ND	56
ST88 L32N BL	.1	4.68	ND	ND	86	ND	.34	.2	21	43	62	5.04	.04	.30	634	2	.01	47	.03	14	ND	ND	ND	ND	12	ND	ND	84
ST88 L32N 0+50E	.1	5.48	4	ND	47	ND	.38	.1	22	47	95	5.41	.05	.49	361	3	.01	45	.06	8	ND	ND	ND	ND	12	ND	ND	69
ST88 L32N 1+00E	.1	4.12	7	ND	78	ND	.47	.1	26	45	81	5.04	.05	.54	1549	1	.01	49	.09	14	ND	ND	ND	ND	15	ND	ND	82
ST88 L32N 1+50E	.1	3.04	3	ND	53	ND	.48	.1	17	33	59	4.92	.05	.38	616	1	.01	33	.03	9	ND	ND	ND	ND	16	ND	ND	66
ST88 L32N 2+00E	.1	4.79	4	ND	93	ND	.76	.1	28	51	205	5.27	.06	.84	1482	2	.01	57	.05	13	ND	ND	ND	ND	17	ND	ND	78
ST88 L32N 2+50E	.1	2.16	ND	ND	61	ND	.49	.1	15	25	30	3.70	.04	.23	892	ND	.01	26	.02	14	ND	ND	ND	ND	16	ND	ND	62
ST88 L32N 3+00E	.1	4.18	ND	ND	84	ND	.43	.1	22	38	72	4.76	.05	.33	1956	2	.01	33	.11	16	ND	ND	ND	ND	13	ND	ND	116
ST88 L32N 3+50E	.1	4.31	4	ND	53	ND	.48	.1	20	43	98	5.61	.05	.50	554	2	.01	38	.15	9	ND	ND	ND	ND	18	ND	ND	83
ST88 L32N 4+00E	.1	5.70	ND	ND	41	ND	.48	.2	27	57	119	6.02	.06	.36	444	3	.01	54	.04	14	ND	ND	ND	ND	15	ND	ND	111
ST88 L32N 4+50E	.1	5.93	ND	ND	79	ND	.44	.1	22	44	75	4.54	.05	.48	616	3	.01	44	.08	11	ND	ND	ND	ND	15	ND	ND	100
ST88 L32N 5+00E	.1	4.50	ND	ND	70	ND	.43	.1	19	40	73	5.31	.05	.36	599	2	.01	48	.05	19	ND	ND	ND	ND	16	ND	ND	59
ST88 L32N 5+50E	.1	5.18	25	ND	45	ND	.38	.1	22	47	72	5.51	.05	.41	342	3	.01	47	.03	10	ND	ND	ND	ND	14	ND	ND	55
ST88 L32N 6+00E	.1	4.14	7	ND	126	ND	.48	.1	17	37	63	5.05	.05	.19	3232	1	.01	39	.15	14	ND	ND	ND	ND	17	ND	ND	134
ST88 L32N 6+50E	.1	5.11	8	ND	138	ND	.46	.1	76	43	120	5.34	.06	.41	10653	2	.01	82	.15	10	ND	ND	ND	ND	16	ND	ND	209
ST88 L32N 7+00E	.1	3.04	12	ND	99	ND	1.31	.3	22	33	123	3.54	.06	.59	3278	1	.01	45	.13	22	ND	ND	ND	ND	31	ND	ND	104
ST88 L32N 7+50E	.1	4.12	5	ND	83	ND	.64	.3	33	37	219	5.70	.06	.53	2338	2	.01	50	.06	18	ND	ND	ND	ND	22	ND	ND	87
ST88 L32N 8+00E	.1	4.99	35	ND	76	ND	.50	.1	54	45	693	13.37	.10	.76	1471	3	.01	77	.11	32	ND	ND	ND	ND	19	ND	ND	126
ST88 L32N 9+50E	.1	5.12	4	ND	66	ND	.43	.3	23	49	86	5.87	.05	.49	1384	2	.01	39	.12	9	ND	ND	ND	ND	16	ND	ND	87
ST88 L32N 0+50W	.1	5.91	6	ND	49	ND	.46	.1	26	72	120	6.23	.05	.84	867	3	.01	56	.22	10	ND	ND	ND	ND	14	ND	ND	92
ST88 L32N 1+00W	.1	4.86	7	ND	50	ND	.32	.1	17	47	53	5.24	.04	.35	282	2	.01	39	.05	13	ND	ND	ND	ND	14	ND	ND	47
ST88 L32N 1+50W	.1	5.13	ND	ND	67	ND	.39	.2	20	50	69	5.12	.05	.43	734	3	.01	38	.06	14	ND	ND	ND	ND	16	ND	ND	65
ST88 L32N 2+00W	.1	3.45	5	ND	62	ND	.49	.1	19	39	58	4.70	.04	.54	350	1	.01	33	.02	13	ND	ND	ND	ND	16	ND	ND	43
ST88 L32N 2+50W	.1	3.70	ND	ND	66	ND	.40	.1	17	31	36	3.87	.04	.29	446	1	.01	26	.03	16	ND	ND	ND	ND	18	ND	ND	45
ST88 L32N 3+00W	.1	7.78	ND	ND	72	ND	.36	.2	23	59	75	4.99	.04	.70	489	4	.01	54	.05	1	ND	ND	ND	ND	17	ND	ND	54
ST88 L32N 3+50W	.1	3.89	4	ND	73	ND	.54	.1	24	33	73	4.31	.05	.56	1599	1	.01	33	.06	16	ND	ND	ND	ND	19	ND	ND	91
ST88 L32N 4+00W	.1	7.60	ND	ND	80	ND	.45	.1	29	70	88	5.89	.05	.87	1281	4	.01	56	.10	8	ND	ND	ND	ND	18	ND	ND	91
ST88 L32N 4+50W	.1	6.25	ND	ND	60	ND	.43	.1	23	48	70	4.93	.04	.61	631	3	.01	42	.09	2	ND	ND	ND	ND	16	ND	ND	69
ST88 L32N 5+50W	.1	6.02	3	ND	46	ND	.39	.1	20	48	101	4.62	.04	.39	529	3	.01	33	.05	10	ND	ND	ND	ND	17	ND	ND	59
ST88 L32N 6+00WA	.1	3.86	5	ND	38	ND	.45	.2	20	35	66	4.23	.04	.49	379	1	.01	34	.03	12	ND	ND	ND	ND	17	ND	ND	38
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L32N 6+00WB	.1	4.59	4	ND	51	ND	.45	.1	24	46	111	4.52	.04	.73	780	1	.01	49	.06	16	ND	ND	ND	ND	13	ND	ND	66
ST88 L32N 6+50W	.1	3.25	ND	ND	70	ND	.39	.1	21	36	48	4.52	.04	.40	618	ND	.01	33	.03	12	ND	ND	ND	ND	16	ND	ND	66
ST88 L32N 7+00W	.1	3.33	3	ND	52	ND	.41	.1	21	34	66	4.54	.04	.43	463	ND	.01	33	.02	11	ND	ND	ND	ND	13	ND	ND	67
ST88 L32N 7+50W	.2	3.86	10	ND	62	ND	.49	.1	27	44	56	5.23	.05	.58	789	1	.01	53	.05	12	ND	ND	ND	ND	15	ND	ND	157
ST88 L32N 8+00W	.1	5.19	4	ND	39	3	.42	.1	27	43	94	4.60	.04	.61	662	1	.01	39	.15	1	ND	ND	ND	ND	14	ND	ND	68
ST88 L32N 8+50W	.1	4.16	ND	ND	57	ND	.45	.2	25	45	68	5.15	.05	.49	575	1	.01	44	.06	12	ND	ND	ND	ND	13	ND	ND	80
ST88 L32N 9+00W	.1	5.57	ND	ND	39	ND	.37	.1	17	52	67	5.60	.05	.42	475	2	.01	30	.07	11	ND	ND	ND	ND	14	ND	ND	59
ST88 L32N 10+00W	.1	2.95	3	ND	55	ND	.38	.1	31	29	52	3.76	.04	.32	1722	ND	.01	30	.06	13	ND	ND	ND	ND	15	ND	ND	78
ST88 L32N 10+50W	.1	3.04	4	ND	62	ND	.45	.1	21	39	43	4.80	.05	.37	598	ND	.01	33	.05	7	ND	ND	ND	1	16	ND	ND	78
ST88 L32N 11+00W	.1	4.48	5	ND	41	ND	.40	.1	22	36	84	4.75	.04	.45	519	1	.01	32	.13	11	ND	ND	ND	ND	13	ND	ND	99
ST88 L32N 11+50W	.1	2.88	ND	ND	71	ND	.47	.1	23	40	42	5.33	.05	.32	2348	ND	.01	31	.14	14	ND	ND	ND	ND	16	ND	ND	109
ST88 L32N 12+00W	.1	7.11	ND	ND	33	ND	.34	.1	23	54	122	5.47	.05	.69	387	3	.01	47	.08	1	ND	ND	ND	ND	12	ND	ND	62
ST88 L32N 12+50W	.1	2.58	5	ND	75	ND	.34	.1	22	28	60	4.20	.04	.25	1363	ND	.01	30	.05	11	ND	ND	ND	ND	15	ND	ND	104
ST88 L32N 13+00W	.1	3.31	ND	ND	113	ND	.44	.1	34	34	79	5.55	.05	.35	3622	ND	.01	46	.10	11	ND	ND	ND	ND	17	ND	ND	149
ST88 L32N 13+50W	.1	3.78	5	ND	34	ND	.28	.1	17	29	57	4.06	.04	.26	368	ND	.01	25	.04	12	ND	ND	ND	ND	12	ND	ND	56
ST88 L32N 14+00W	.1	4.03	8	ND	64	ND	.36	.1	63	37	65	3.94	.04	.47	904	1	.01	41	.05	13	ND	ND	ND	ND	15	ND	ND	102
ST88 L32N 14+50W	.1	3.95	5	ND	59	ND	.33	.1	19	36	52	4.92	.04	.37	284	1	.01	32	.02	12	ND	ND	ND	ND	16	ND	ND	54
ST88 L32N 15+00W	.1	5.04	5	ND	61	3	.36	.1	30	41	72	4.16	.04	.55	959	2	.01	43	.04	3	ND	ND	ND	ND	14	ND	ND	66
ST88 L34N BL	.1	3.95	6	ND	172	ND	.65	.2	22	45	85	4.52	.05	.56	1106	1	.01	45	.03	11	ND	ND	ND	ND	17	ND	ND	74
ST88 L34N 0+50E	.1	4.00	7	ND	94	ND	.85	.1	26	48	82	5.02	.06	.67	1140	1	.01	46	.02	7	ND	ND	ND	ND	18	ND	ND	62
ST88 L34N 1+00E	.1	3.83	7	ND	162	ND	.49	.1	23	39	73	4.50	.05	.43	4047	1	.01	48	.08	14	ND	ND	ND	ND	17	ND	ND	127
ST88 L34N 1+50E	.1	4.59	4	ND	65	ND	.46	.1	22	45	98	4.22	.05	.67	624	2	.01	45	.04	11	ND	ND	ND	ND	14	ND	ND	50
ST88 L34N 2+00E	.1	4.25	4	ND	71	ND	.48	.1	23	46	81	4.70	.05	.55	597	1	.01	48	.03	4	ND	ND	ND	ND	13	ND	ND	59
ST88 L34N 2+50E	.1	4.45	ND	ND	54	ND	.50	.2	24	46	78	4.71	.05	.61	601	1	.01	47	.02	12	ND	ND	ND	ND	14	ND	ND	61
ST88 L34N 3+00E	.1	4.97	4	ND	45	ND	.38	.1	28	45	86	5.36	.05	.56	291	2	.01	51	.01	12	ND	ND	ND	ND	14	ND	ND	55
ST88 L34N 3+50E	.1	6.05	3	ND	84	ND	.36	.1	24	54	96	5.15	.05	.52	734	3	.01	51	.07	2	ND	ND	ND	ND	13	ND	ND	78
ST88 L34N 4+00E	.1	4.09	4	ND	75	ND	.38	.1	20	30	64	4.64	.04	.34	880	1	.01	32	.04	14	ND	ND	ND	ND	15	ND	ND	82
ST88 L34N 4+50E	.1	3.35	ND	ND	49	ND	.41	.1	19	35	60	4.36	.04	.39	335	ND	.01	33	.01	13	ND	ND	ND	ND	15	ND	ND	36
ST88 L34N 5+50E	.1	5.05	8	ND	50	ND	.35	.1	26	44	77	4.62	.04	.53	340	2	.01	53	.04	11	ND	ND	ND	ND	12	ND	ND	52
ST88 L34N 6+00E	.1	4.54	ND	ND	84	ND	.37	.1	21	41	51	5.07	.04	.36	1317	1	.01	31	.09	11	ND	ND	ND	ND	12	ND	ND	79
ST88 L34N 6+50E	.1	5.85	5	ND	45	ND	.34	.1	25	64	105	5.10	.05	.72	384	2	.01	61	.04	1	ND	ND	ND	ND	12	ND	ND	50
ST88 L34N 7+00E	.1	5.84	3	ND	82	ND	.47	.1	23	53	99	5.41	.05	.50	2139	2	.01	44	.14	5	ND	ND	ND	ND	14	ND	ND	77
ST88 L34N 7+50E	.1	5.21	6	ND	66	ND	.38	.1	42	35	118	4.52	.05	.43	2934	2	.01	47	.16	12	ND	ND	ND	ND	12	ND	ND	89
ST88 L34N 0+50W	.1	2.85	8	ND	87	ND	.45	.1	20	44	39	5.24	.05	.37	691	ND	.01	41	.07	15	ND	ND	ND	ND	14	ND	ND	96
ST88 L34N 1+00W	.1	3.25	14	ND	94	ND	.72	.1	24	39	54	4.83	.05	.55	1045	ND	.01	53	.08	15	ND	ND	ND	ND	18	ND	ND	108
ST88 L34N 1+50W	.1	3.89	4	ND	144	ND	.24	.2	16	14	24	6.07	.06	.32	481	1	.01	21	.02	11	ND	ND	ND	ND	7	ND	ND	68
ST88 L34N 2+00W	.3	3.14	ND	ND	55	ND	.53	.1	28	44	51	5.66	.06	.29	1391	ND	.01	37	.06	16	ND	ND	ND	1	19	ND	ND	85
ST88 L34N 2+50W	.1	5.65	6	ND	39	ND	.48	.1	21	50	105	5.08	.05	.55	698	2	.01	41	.10	9	ND	ND	ND	ND	13	ND	ND	51
ST88 L34N 3+00W	.1	3.01	ND	ND	101	ND	.49	.1	23	38	47	5.05	.05	.20	3038	ND	.01	31	.13	19	ND	ND	ND	ND	17	ND	ND	143
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L34N 3+50W	.1	2.70	4	ND	73	ND	.45	.4	21	34	39	4.37	.05	.35	1312	2	.01	40	.06	11	ND	ND	ND	4	15	ND	ND	65
ST88 L34N 4+00W	.2	1.87	ND	ND	44	ND	.53	.3	18	49	28	5.90	.06	.24	1075	1	.01	36	.11	15	ND	ND	ND	7	19	ND	ND	58
ST88 L34N 4+50W	.3	1.33	5	ND	54	3	.54	.3	21	48	26	4.75	.06	.16	1384	1	.01	34	.06	16	ND	ND	ND	10	17	ND	ND	71
ST88 L34N 5+00W	.1	2.81	3	ND	98	ND	.53	.1	30	41	41	5.20	.06	.28	3386	2	.01	46	.06	15	ND	ND	ND	4	17	ND	ND	86
ST88 L34N 5+50W	.1	2.92	ND	ND	58	ND	.41	.1	20	35	46	4.75	.05	.32	669	2	.01	40	.04	11	ND	ND	ND	5	13	ND	ND	59
ST88 L34N 6+00W	.1	3.77	ND	ND	53	ND	.51	.1	25	41	59	5.50	.05	.51	671	2	.01	55	.03	11	ND	ND	ND	3	15	ND	ND	59
ST88 L34N 6+50W	.1	3.30	ND	ND	44	3	.60	.3	23	39	66	4.24	.05	.91	734	2	.01	56	.03	12	ND	ND	ND	2	15	ND	ND	56
ST88 L34N 7+00W	.1	3.47	ND	ND	77	ND	.51	.2	23	32	48	4.30	.05	.39	1455	2	.01	45	.11	12	ND	ND	ND	4	17	ND	ND	101
ST88 L34N 7+50W	.1	3.15	ND	ND	70	ND	.54	.3	25	38	64	4.80	.05	.60	1725	2	.01	56	.03	12	ND	ND	ND	4	16	ND	ND	59
ST88 L34N 8+00W	.4	1.82	ND	ND	33	ND	.52	.1	23	80	30	8.05	.08	.22	1097	1	.01	50	.08	20	ND	ND	ND	12	11	ND	ND	65
ST88 L34N 8+50W	.1	6.09	ND	ND	41	ND	.43	.4	27	50	89	5.54	.06	.77	449	3	.01	61	.06	5	ND	ND	ND	ND	13	ND	ND	54
ST88 L34N 9+00W	.1	4.75	8	ND	59	ND	.40	.2	26	57	86	5.69	.06	.48	397	3	.01	63	.03	8	ND	ND	ND	ND	15	ND	ND	62
ST88 L34N 10+00W	.1	4.62	ND	ND	56	ND	.44	.4	24	41	88	4.65	.05	.75	541	2	.01	54	.06	9	ND	ND	ND	1	13	ND	ND	77
ST88 L34N 10+50W	.1	3.32	ND	ND	76	ND	.56	.4	24	36	84	4.62	.05	.68	984	2	.01	51	.04	11	ND	ND	ND	3	17	ND	ND	65
ST88 L34N 11+00W	.1	4.70	ND	ND	50	ND	.39	.3	23	42	75	4.40	.05	.59	486	2	.01	56	.04	5	ND	ND	ND	1	15	ND	ND	69
ST88 L34N 12+00W	.1	2.87	6	ND	61	ND	.98	.4	27	39	74	4.26	.07	.48	1186	2	.01	45	.03	11	ND	ND	ND	2	22	ND	ND	47
ST88 L34N 12+50W	.1	2.42	28	ND	150	ND	.48	.2	20	45	78	4.55	.05	.43	2555	1	.01	50	.04	13	ND	ND	ND	ND	18	ND	ND	85
ST89 L34N 13+00W	.1	5.23	ND	ND	41	ND	.32	.2	22	47	70	6.54	.07	.39	1371	2	.01	51	.13	8	ND	ND	ND	ND	11	ND	ND	83
ST88 L34N 13+50W	.1	3.82	ND	ND	54	ND	.46	.3	25	37	81	4.95	.05	.63	990	2	.01	47	.04	7	ND	ND	ND	4	17	ND	ND	91
ST88 L34N 14+00W	.1	3.09	5	ND	78	ND	.38	.1	20	29	57	4.02	.05	.36	1251	2	.01	40	.07	11	ND	ND	ND	3	14	ND	ND	78
ST88 L34N 14+50W	.1	7.11	ND	ND	56	ND	.30	.6	22	54	70	4.80	.05	.46	536	3	.01	58	.06	1	ND	ND	ND	ND	11	ND	ND	57
ST88 L34N 15+00W	.2	5.47	ND	ND	42	ND	.38	.5	26	50	115	5.16	.06	.65	373	2	.01	59	.03	6	ND	ND	ND	ND	13	ND	ND	75
ST88 L36N BL	.1	4.75	ND	ND	120	ND	.45	.1	24	46	55	5.08	.06	.44	978	2	.01	61	.05	9	ND	ND	ND	ND	18	ND	ND	75
ST88 L36N 0+50E	.1	3.11	10	ND	51	ND	1.00	.5	26	41	86	4.39	.06	1.37	709	2	.01	59	.04	22	ND	ND	ND	ND	20	ND	ND	70
ST88 L36N 1+00E	.1	4.47	ND	ND	121	ND	.41	.2	21	46	49	4.83	.06	.35	2240	2	.01	54	.05	9	ND	ND	ND	ND	13	ND	ND	81
ST88 L36N 1+50E	.1	4.23	ND	ND	73	ND	.39	.4	20	42	80	4.49	.05	.40	1224	2	.01	47	.06	10	ND	ND	ND	ND	13	ND	ND	64
ST88 L36N 2+00E	.1	4.75	ND	ND	79	ND	.29	.1	22	40	69	5.26	.06	.24	1025	2	.01	53	.05	11	ND	ND	ND	ND	11	ND	ND	82
ST88 L36N 2+50E	.1	4.57	ND	ND	67	ND	.55	.4	26	44	101	5.12	.06	.91	1506	2	.01	58	.08	12	ND	ND	ND	ND	14	ND	ND	71
ST88 L36N 3+00E	.1	4.23	ND	ND	71	ND	.39	.4	24	40	59	5.08	.06	.44	1010	2	.01	48	.07	10	ND	ND	ND	1	11	ND	ND	55
ST88 L36N 3+50E	.1	3.34	ND	ND	61	ND	.40	.2	19	35	61	4.72	.05	.43	526	2	.01	44	.04	11	ND	ND	ND	2	13	ND	ND	51
ST88 L36N 4+00E	.1	7.14	ND	ND	47	ND	.32	.3	19	58	93	5.62	.06	.45	382	3	.01	50	.06	2	ND	ND	ND	ND	10	ND	ND	52
ST88 L36N 5+00E	.1	4.39	ND	ND	78	ND	.38	.1	37	38	55	5.05	.06	.34	2726	2	.01	60	.08	10	ND	ND	ND	ND	12	ND	ND	64
ST88 L36N 5+50E	.2	3.94	4	ND	42	ND	.53	.5	25	42	89	4.49	.05	.85	643	2	.01	66	.06	9	ND	ND	ND	2	15	ND	ND	58
ST88 L36N 6+00E	.1	4.82	ND	ND	63	ND	.41	.3	20	44	91	5.24	.06	.48	1198	3	.01	48	.19	11	ND	ND	ND	ND	12	ND	ND	78
ST88 L36N 6+50E	.2	3.33	ND	ND	90	ND	.51	.3	26	35	80	5.30	.06	.34	1005	2	.01	53	.05	12	ND	ND	ND	3	15	ND	ND	58
ST88 L36N 7+00E	.1	2.50	ND	ND	60	ND	.40	.3	21	27	43	5.01	.06	.26	1043	2	.01	39	.05	17	ND	ND	ND	3	12	ND	ND	53
ST88 L36N 7+50E	.1	1.75	89	ND	37	ND	.22	.1	19	25	55	6.76	.06	.19	451	3	.01	56	.04	17	ND	ND	ND	ND	7	ND	ND	51
ST88 L36N 8+00E	.1	3.15	15	ND	70	ND	.81	.3	33	46	186	7.46	.08	.86	960	2	.01	82	.04	15	ND	ND	ND	ND	39	ND	ND	98
ST88 L36N 8+50EA	.1	2.66	ND	ND	37	ND	1.31	.4	38	35	91	4.47	.06	1.47	677	2	.01	61	.05	24	ND	ND	ND	4	27	ND	ND	81
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L36N 0+50E	.1	4.94	ND	ND	35	ND	.40	.3	19	42	108	4.75	.05	.53	524	3	.01	45	.08	11	ND	ND	ND	ND	12	ND	ND	58
ST88 L36N 0+50W	.1	2.00	ND	ND	62	ND	.36	.2	19	29	30	4.85	.05	.17	2151	1	.01	33	.10	21	ND	ND	ND	3	16	ND	ND	69
ST88 L36N 1+00W	.1	5.60	ND	ND	83	ND	.41	.2	25	49	79	5.44	.05	.48	408	2	.01	60	.04	11	ND	ND	ND	ND	14	ND	ND	52
ST88 L36N 1+50W	.1	1.54	ND	ND	33	3	.36	.1	11	23	21	3.64	.04	.17	184	1	.01	25	.01	13	ND	ND	ND	3	13	ND	ND	25
ST88 L36N 2+00W	.1	4.89	ND	ND	50	ND	.43	.2	26	56	58	5.64	.06	.35	293	2	.01	54	.03	9	ND	ND	ND	ND	12	ND	ND	53
ST88 L36N 2+50W	.1	4.37	7	ND	89	ND	1.41	.3	34	65	124	5.58	.08	1.60	1323	2	.01	71	.06	25	ND	ND	ND	ND	30	ND	ND	99
ST88 L36N 3+00W	.3	3.85	ND	ND	60	ND	.48	.2	26	39	64	5.58	.06	.58	388	2	.01	52	.02	13	ND	ND	ND	2	14	ND	ND	51
ST88 L36N 3+50W	.1	4.87	ND	ND	98	ND	.55	.2	27	58	53	5.47	.06	.64	460	2	.01	60	.02	8	ND	ND	ND	ND	15	ND	ND	43
ST88 L36N 4+00W	.3	3.25	ND	ND	98	ND	.58	.3	24	36	46	4.84	.05	.46	601	1	.01	51	.04	12	ND	ND	ND	2	18	ND	ND	65
ST88 L36N 4+50W	.3	3.87	ND	ND	53	ND	.51	.2	23	39	83	4.66	.05	.70	449	2	.01	52	.04	12	ND	ND	ND	1	14	ND	ND	52
ST88 L36N 5+00W	.1	3.25	ND	ND	52	ND	.55	.1	22	37	68	4.16	.05	.71	926	1	.01	49	.05	13	ND	ND	ND	ND	13	ND	ND	50
ST88 L36N 5+50W	.1	4.65	ND	ND	47	ND	.46	.1	26	43	91	4.67	.05	.78	661	2	.01	61	.07	9	ND	ND	ND	ND	13	ND	ND	61
ST88 L36N 6+00W	.1	2.12	ND	ND	44	ND	.40	.2	16	30	32	4.60	.05	.32	262	1	.01	34	.02	14	ND	ND	ND	4	13	ND	ND	35
ST88 L36N 6+50W	.1	4.15	ND	ND	72	ND	.79	.3	28	41	64	4.64	.06	.55	3026	2	.01	52	.05	10	ND	ND	ND	ND	18	ND	ND	78
ST88 L36N 7+00W	.4	2.38	ND	ND	76	3	.48	.2	20	31	30	4.50	.05	.34	546	1	.01	37	.05	13	ND	ND	ND	5	15	ND	ND	60
ST88 L36N 7+50W	.1	3.66	ND	ND	126	ND	.55	.1	25	37	88	4.54	.05	.69	2162	2	.01	53	.06	9	ND	ND	ND	1	16	ND	ND	67
ST88 L36N 8+00W	.1	4.34	ND	ND	74	ND	.40	.3	25	54	65	5.77	.05	.55	810	2	.01	64	.07	10	ND	ND	ND	ND	15	ND	ND	72
ST88 L36N 8+50W	.1	3.64	ND	ND	57	ND	.56	.1	23	38	45	5.34	.05	.52	574	2	.01	48	.06	11	ND	ND	ND	2	16	ND	ND	59
ST88 L36N 9+00W	.1	5.55	ND	ND	60	ND	.44	.4	25	43	79	4.67	.04	.79	771	2	.01	55	.10	4	ND	ND	ND	ND	13	ND	ND	78
ST88 L36N 9+50W	.1	6.08	ND	ND	51	ND	.46	.5	32	52	131	5.39	.05	1.18	546	2	.01	78	.06	3	ND	ND	ND	ND	13	ND	ND	79
ST88 L36N 10+00W	.1	1.83	ND	ND	40	ND	.38	.4	18	29	27	3.89	.04	.20	669	1	.01	29	.05	17	ND	ND	ND	4	15	ND	ND	63
ST88 L36N 10+50W	.1	2.34	ND	ND	49	ND	.40	.2	18	29	37	4.37	.04	.30	337	1	.01	35	.02	14	ND	ND	ND	4	15	ND	ND	51
ST88 L36N 11+00W	.1	5.99	ND	ND	52	ND	.34	.2	26	58	82	4.60	.04	.75	388	2	.01	57	.03	1	ND	ND	ND	ND	13	ND	ND	48
ST88 L36N 11+50W	.1	3.52	ND	ND	52	ND	.48	.1	21	35	49	4.70	.05	.41	431	1	.01	43	.04	11	ND	ND	ND	1	17	ND	ND	50
ST88 L36N 12+00W	.1	2.84	ND	ND	51	3	.41	.1	20	28	48	3.87	.04	.36	781	1	.01	35	.05	9	ND	ND	ND	1	16	ND	ND	76
ST88 L36N 12+50W	.1	2.00	ND	ND	50	3	.45	.1	21	29	30	4.33	.05	.29	597	1	.01	30	.04	16	ND	ND	ND	4	16	ND	ND	56
ST88 L36N 13+00W	.1	1.77	4	ND	38	3	.30	.1	13	32	27	5.00	.05	.19	178	1	.01	28	.01	14	ND	ND	ND	4	14	ND	ND	38
ST88 L36N 13+50W	.1	3.00	ND	ND	75	3	.44	.4	21	30	49	4.32	.04	.50	1433	1	.01	45	.07	12	ND	ND	ND	2	15	ND	ND	75
ST88 L36N 14+00W	.2	3.59	ND	ND	55	ND	.32	.4	25	36	60	5.73	.05	.27	1319	1	.01	40	.20	14	ND	ND	ND	2	12	ND	ND	129
ST88 L36N 14+50W	.1	1.76	11	ND	37	ND	.15	.1	19	43	81	8.41	.07	.20	415	1	.01	59	.04	17	ND	ND	5	ND	7	ND	ND	67
ST88 L36N 15+00W	.1	4.33	ND	ND	35	ND	.30	.2	18	39	83	5.60	.05	.34	221	2	.01	39	.02	9	ND	ND	ND	ND	12	ND	ND	44
ST88 L36N BL	.1	1.67	13	ND	63	3	.72	.2	13	21	56	5.29	.05	.22	1300	1	.01	31	.06	13	ND	ND	ND	ND	19	ND	ND	40
ST88 L38N 0+50E	.1	.97	16	ND	21	ND	.14	.1	14	33	38	8.11	.06	.08	355	ND	.01	56	.03	17	ND	ND	10	ND	6	ND	ND	45
ST88 L38N 1+00E	.1	3.45	3	ND	53	ND	1.10	.2	30	44	109	4.95	.06	1.53	929	2	.01	65	.05	15	ND	ND	ND	ND	23	ND	ND	83
ST88 L38N 1+50E	.1	3.57	ND	ND	62	ND	.48	.2	37	37	49	4.62	.05	.34	1073	2	.01	44	.14	13	ND	ND	ND	ND	29	ND	ND	102
ST88 L38N 2+00E	.1	3.62	6	ND	92	ND	.38	.1	20	30	79	5.09	.05	.40	1216	1	.01	44	.08	11	ND	ND	ND	ND	12	ND	ND	92
ST88 L38N 2+50E	.1	3.90	ND	ND	119	ND	.46	.3	31	32	142	5.23	.05	.36	2884	2	.01	52	.08	9	ND	ND	ND	ND	15	ND	ND	118
ST88 L38N 3+00E	.1	4.91	ND	ND	89	ND	.45	.5	26	42	112	5.12	.05	.56	899	2	.01	60	.10	8	ND	ND	ND	ND	12	ND	ND	93
ST88 L38N 3+50E	.1	2.41	5	ND	59	3	.71	.4	38	25	135	3.67	.05	.48	1686	1	.01	41	.05	9	ND	ND	ND	1	18	ND	ND	54
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L38N 4+00E	.1	5.54	ND	ND	48	ND	.39	.1	22	41	84	5.45	.05	.35	602	3	.01	46	.08	7	ND	ND	ND	ND	11	ND	ND	55
ST88 L38N 4+50E	.1	5.09	ND	ND	52	ND	.32	.1	48	35	72	5.15	.06	.43	1192	3	.01	51	.15	11	ND	ND	ND	ND	10	ND	ND	66
ST88 L38N 5+00E	.1	5.80	ND	ND	68	ND	.36	.2	32	50	157	5.94	.06	.63	807	3	.01	82	.06	4	ND	ND	ND	ND	12	ND	ND	59
ST88 L38N 5+50E	.1	3.69	4	ND	65	ND	.45	.1	20	34	59	5.41	.05	.32	449	2	.01	44	.05	12	ND	ND	ND	ND	15	ND	ND	51
ST88 L38N 6+00E	.1	3.87	ND	ND	71	ND	.40	.2	19	31	59	5.05	.05	.30	1326	2	.01	35	.08	10	ND	ND	ND	ND	13	ND	ND	80
ST88 L38N 6+50E	.1	6.00	ND	ND	75	ND	.34	.1	26	44	117	6.23	.06	.43	773	3	.01	61	.11	9	ND	ND	ND	ND	11	ND	ND	95
ST88 L38N 7+00E	.1	4.98	18	ND	137	ND	.48	.3	38	43	140	7.08	.07	.40	2688	3	.01	76	.08	16	ND	ND	ND	ND	21	ND	ND	163
ST88 L38N 7+50E	.3	2.74	13	ND	101	ND	.51	.4	22	25	98	6.94	.07	.36	767	2	.01	49	.05	24	ND	ND	ND	4	35	ND	ND	83
ST88 L38N 8+00E	.1	3.08	24	ND	70	ND	.69	.1	.2	29	75	4.77	.06	.73	576	2	.01	54	.05	20	ND	ND	ND	ND	25	ND	ND	48
ST88 L38N 0+50W	.1	6.54	ND	ND	89	ND	.43	.2	25	55	126	5.13	.05	.60	512	3	.01	62	.04	2	ND	ND	ND	ND	14	ND	ND	57
ST88 L38N 1+00W	.1	5.87	ND	ND	86	ND	.40	.3	25	57	246	5.55	.05	.60	1186	2	.01	60	.13	6	ND	ND	ND	ND	12	ND	ND	75
ST88 L38N 1+50W	.1	6.20	ND	ND	53	ND	.43	.2	26	57	119	5.48	.05	.68	476	3	.01	59	.05	1	ND	ND	ND	ND	11	ND	ND	52
ST88 L38N 2+00W	.1	4.80	ND	ND	78	ND	.60	.1	26	45	83	5.00	.06	.64	1228	2	.01	53	.06	5	ND	ND	ND	ND	13	ND	ND	59
ST88 L38N 2+50W	.1	4.26	ND	ND	62	ND	.40	.1	21	43	50	5.25	.05	.46	531	3	.01	44	.06	13	ND	ND	ND	ND	13	ND	ND	51
ST88 L38N 3+00W	.1	5.19	ND	ND	40	ND	.48	.3	27	54	210	4.94	.08	.96	491	3	.01	66	.04	5	ND	ND	ND	ND	12	ND	ND	54
ST88 L38N 3+50W	.1	5.37	ND	ND	85	ND	.44	.3	27	52	85	5.44	.05	.68	769	3	.01	73	.07	6	ND	ND	ND	ND	13	ND	ND	112
ST88 L38N 4+00W	.1	5.75	ND	ND	68	ND	.40	.2	25	53	89	5.66	.06	.56	1212	2	.01	54	.10	5	ND	ND	ND	ND	12	ND	ND	66
ST88 L38N 4+50W	.1	5.98	ND	ND	50	ND	.32	.3	21	59	89	5.66	.05	.44	563	2	.01	48	.13	1	ND	ND	ND	ND	12	ND	ND	59
ST88 L38N 5+00W	.1	5.94	ND	ND	52	ND	.44	.2	26	49	112	4.73	.05	.88	721	2	.01	58	.06	7	ND	ND	ND	ND	12	ND	ND	52
ST88 L38N 5+50W	.2	3.69	ND	ND	47	3	.50	.1	51	40	55	4.51	.05	.66	1030	2	.01	60	.03	6	ND	ND	ND	ND	15	ND	ND	60
ST88 L38N 6+00W	.3	6.01	ND	ND	67	ND	.40	.1	25	46	85	4.74	.05	.45	578	2	.01	51	.06	3	ND	ND	ND	ND	15	ND	ND	73
ST88 L38N 6+50W	.1	5.10	ND	ND	83	ND	.46	.2	24	41	57	4.25	.05	.46	1437	2	.01	43	.06	6	ND	ND	ND	ND	14	ND	ND	70
ST88 L38N 7+00W	.1	5.45	ND	ND	63	ND	.34	.1	19	39	58	4.15	.04	.40	377	2	.01	42	.06	4	ND	ND	ND	ND	13	ND	ND	53
ST88 L38N 7+50W	.2	2.59	ND	ND	34	ND	.39	.2	14	31	35	4.40	.05	.27	181	1	.01	29	.02	10	ND	ND	ND	2	14	ND	ND	34
ST88 L38N 8+00W	.2	3.50	ND	ND	49	ND	.41	.1	22	38	92	4.91	.05	.40	636	2	.01	45	.08	10	ND	ND	ND	ND	15	ND	ND	80
ST88 L38N 8+50W	.1	3.65	4	ND	45	3	.55	.2	23	43	95	4.77	.05	.75	581	2	.01	50	.03	491	ND	ND	ND	11	14	ND	ND	67
ST88 L38N 9+00W	.2	3.80	ND	ND	56	ND	.51	.2	24	39	83	5.12	.05	.60	482	2	.01	46	.04	13	ND	ND	ND	ND	15	ND	ND	63
ST88 L38N 9+50W	.2	3.32	ND	ND	71	ND	.53	.1	25	33	73	4.90	.05	.71	840	1	.01	45	.04	12	ND	ND	ND	1	16	ND	ND	65
ST88 L38N 10+00W	.1	4.35	ND	ND	41	ND	.35	.1	24	46	61	5.41	.05	.55	249	2	.01	53	.02	9	ND	ND	ND	ND	14	ND	ND	42
ST88 L38N 10+50W	.2	5.67	ND	ND	47	ND	.41	.2	29	54	111	5.01	.05	.96	470	2	.01	65	.03	3	ND	ND	ND	ND	13	ND	ND	60
ST88 L38N 11+00W	.2	4.05	ND	ND	32	ND	.45	.2	26	46	67	5.55	.05	.63	380	2	.01	52	.03	10	ND	ND	ND	ND	14	ND	ND	46
ST88 L38N 11+50W	.1	4.49	ND	ND	77	ND	.72	.4	29	45	77	5.20	.06	1.08	670	2	.01	65	.04	5	ND	ND	ND	ND	17	ND	ND	72
ST88 L38N 12+00W	.2	4.84	ND	ND	84	ND	.51	.3	33	51	70	5.89	.06	.63	1421	2	.01	60	.12	8	ND	ND	ND	ND	15	ND	ND	152
ST88 L38N 12+50W	.2	3.40	ND	ND	89	ND	.81	.2	27	27	67	4.75	.06	.63	3144	2	.01	51	.04	12	ND	ND	ND	ND	19	ND	ND	110
ST88 L38N 13+00W	.1	5.57	ND	ND	84	ND	.58	.3	27	117	.02	5.58	.06	.86	715	2	.01	84	.05	5	ND	ND	ND	ND	16	ND	ND	77
ST88 L38N 13+50W	.1	2.65	65	ND	93	ND	.55	.1	29	69	61	5.08	.06	.78	1106	1	.01	61	.06	11	ND	ND	ND	ND	17	ND	ND	95
ST88 L38N 14+00W	.3	3.12	8	ND	61	ND	.40	.1	33	38	86	5.98	.06	.26	919	1	.01	44	.11	15	ND	ND	ND	2	13	ND	ND	96
ST88 L38N 14+50W	.1	4.23	ND	ND	61	ND	.45	.4	29	44	141	5.76	.06	.55	854	4	.01	56	.05	10	ND	ND	ND	ND	16	ND	ND	82
ST88 L38N 15+00W	.1	3.20	ND	ND	140	ND	.88	.3	53	85	115	6.00	.07	.78	6365	1	.01	89	.15	19	ND	ND	ND	2	35	ND	ND	124
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AS PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	Cu PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L40N BL	.1	5.41	ND	ND	62	ND	.34	.1	19	46	66	4.60	.05	.36	730	3	.01	44	.08	5	ND	ND	ND	ND	11	ND	ND	52
ST88 L40N 0+50E	.1	2.25	ND	ND	25	ND	.29	.1	11	30	29	5.09	.05	.17	157	1	.01	30	.02	18	ND	ND	ND	ND	12	ND	ND	21
ST88 L40N 1+00E	.1	4.56	ND	ND	52	ND	.40	.1	22	47	97	4.62	.05	.52	400	2	.01	49	.03	11	ND	ND	ND	ND	13	ND	ND	42
ST88 L40N 1+50E	.4	3.42	ND	ND	47	4	.80	.2	23	38	97	3.44	.05	.91	434	2	.01	47	.05	10	ND	ND	ND	1	16	ND	ND	41
ST88 L40N 2+00E	.1	7.33	ND	ND	32	ND	.35	.1	21	57	131	4.47	.05	.61	274	3	.01	48	.02	1	ND	ND	ND	ND	11	ND	ND	31
ST88 L40N 2+50E	.1	6.58	ND	ND	55	ND	.34	.1	20	54	77	4.58	.04	.40	636	3	.01	41	.08	3	ND	ND	ND	ND	11	ND	ND	41
ST88 L40N 3+00E	.3	5.22	ND	ND	55	ND	.40	.2	24	47	81	4.85	.05	.60	601	3	.01	51	.06	10	ND	ND	ND	ND	12	ND	ND	52
ST88 L40N 3+50E	.1	3.99	ND	ND	47	ND	.40	.1	24	42	89	4.77	.05	.53	447	2	.01	45	.05	11	ND	ND	ND	ND	13	ND	ND	50
ST88 L40N 4+00E	.1	2.08	ND	ND	62	3	.34	.1	13	21	31	3.27	.04	.24	630	1	.01	22	.03	12	ND	ND	ND	ND	16	ND	ND	34
ST88 L40N 4+50E	.1	4.23	ND	ND	60	ND	.39	.2	19	36	73	4.47	.04	.34	488	3	.01	40	.04	10	ND	ND	ND	ND	15	ND	ND	43
ST88 L40N 5+00E	.1	7.40	ND	ND	50	ND	.45	.2	25	61	100	5.79	.06	.65	764	3	.01	49	.12	2	ND	ND	ND	ND	14	ND	ND	62
ST88 L40N 5+50E	.1	3.29	14	ND	286	ND	.48	.1	24	36	95	5.49	.05	.35	6062	1	.01	61	.32	24	ND	ND	ND	ND	21	ND	ND	165
ST88 L40N 6+00E	.1	4.12	ND	ND	93	ND	.50	.1	24	38	64	4.62	.04	.71	847	2	.01	54	.04	8	ND	ND	ND	ND	17	ND	ND	61
ST88 L40N 6+50E	.3	3.57	ND	ND	57	ND	.56	.1	24	31	61	4.73	.05	.52	628	2	.01	40	.04	12	ND	ND	ND	ND	15	ND	ND	44
ST88 L40N 7+00E	.1	4.48	16	ND	105	ND	.20	.1	37	40	148	7.34	.06	.30	2800	3	.01	81	.14	16	ND	ND	ND	ND	12	ND	ND	140
ST88 L40N 7+50E	.1	3.15	20	ND	143	ND	.40	.3	16	15	427	3.90	.04	.68	1553	2	.01	30	.04	14	ND	ND	ND	ND	16	ND	ND	81
ST88 L40N 8+00E	.1	5.67	ND	ND	232	ND	.96	.6	24	32	178	4.56	.06	.77	4269	2	.01	58	.13	28	ND	ND	ND	ND	34	ND	ND	117
ST88 L40N 0+50W	.1	5.52	ND	ND	43	ND	.36	.1	22	49	95	4.84	.05	.56	490	3	.01	48	.08	5	ND	ND	ND	ND	11	ND	ND	55
ST88 L40N 1+00W	.1	2.47	ND	ND	50	ND	.30	.1	13	27	38	4.62	.04	.27	178	1	.01	27	.02	12	ND	ND	ND	1	14	ND	ND	28
ST88 L40N 1+50W	.3	3.27	ND	ND	52	ND	.32	.1	16	39	45	6.23	.05	.27	494	2	.01	33	.12	15	ND	ND	ND	2	10	ND	ND	53
ST88 L40N 2+00W	.1	3.15	ND	ND	101	ND	.39	.1	32	34	57	4.91	.05	.34	1853	1	.01	49	.04	13	ND	ND	ND	ND	14	ND	ND	69
ST88 L40N 2+50W	.3	5.27	ND	ND	46	ND	.38	.3	23	54	106	5.95	.06	.46	428	2	.01	53	.06	9	ND	ND	ND	ND	13	ND	ND	60
ST88 L40N 3+00W	.4	4.10	ND	ND	38	ND	.46	.2	38	49	106	5.75	.06	.46	406	2	.01	59	.03	10	ND	ND	ND	ND	13	ND	ND	46
ST88 L40N 3+50W	.1	4.82	ND	ND	44	ND	.36	.2	21	48	91	5.08	.05	.48	491	2	.01	43	.08	9	ND	ND	ND	ND	11	ND	ND	59
ST88 L40N 4+00W	.1	3.79	ND	ND	30	ND	.22	.1	19	53	64	7.66	.06	.26	161	2	.01	45	.04	14	ND	ND	ND	ND	10	ND	ND	34
ST88 L40N 4+50W	.1	3.83	ND	ND	87	ND	.44	.1	22	40	59	4.57	.05	.44	741	2	.01	44	.04	10	ND	ND	ND	ND	12	ND	ND	71
ST88 L40N 5+00W	.3	3.16	3	ND	58	ND	.48	.1	21	39	42	5.25	.05	.38	407	2	.01	37	.03	11	ND	ND	ND	2	12	ND	ND	34
ST88 L40N 5+50W	.1	5.22	ND	ND	48	ND	.65	.1	35	49	75	4.31	.06	.61	864	3	.01	56	.10	6	ND	ND	ND	ND	14	ND	ND	77
ST88 L40N 6+00W	.1	3.34	ND	ND	134	ND	.59	.1	40	43	53	4.62	.06	.40	9239	2	.01	61	.10	16	ND	ND	ND	ND	15	ND	ND	133
ST88 L40N 6+50W	.1	3.20	ND	ND	53	ND	.30	.1	28	50	40	6.70	.06	.20	1404	2	.01	39	.08	18	ND	ND	ND	1	12	ND	ND	81
ST88 L40N 7+00W	.1	6.23	ND	ND	35	ND	.41	.1	21	57	107	4.85	.05	.68	467	3	.01	48	.07	2	ND	ND	ND	ND	11	ND	ND	50
ST88 L40N 7+50W	.1	4.35	ND	ND	56	3	.51	.2	28	44	55	5.05	.05	.61	977	2	.01	62	.06	8	ND	ND	ND	ND	13	ND	ND	63
ST88 L40N 8+50W	.1	2.58	3	ND	66	ND	.56	.2	22	37	49	4.65	.05	.59	953	1	.01	41	.04	10	ND	ND	ND	2	15	ND	ND	72
ST88 L40N 9+00W	.1	2.97	4	ND	81	ND	.59	.2	26	48	79	5.19	.05	.59	1885	1	.01	51	.07	12	ND	ND	ND	ND	16	ND	ND	83
ST88 L40N 9+50W	.1	3.90	3	ND	90	ND	.56	.1	21	37	47	4.74	.04	.35	932	2	.01	43	.07	10	ND	ND	ND	ND	18	ND	ND	73
ST88 L40N 10+00W	.1	3.94	ND	ND	57	ND	.44	.1	23	39	88	4.83	.04	.60	886	2	.01	51	.08	10	ND	ND	ND	ND	12	ND	ND	69
ST88 L40N 10+50W	.1	2.33	ND	ND	70	3	.44	.1	20	30	33	3.94	.04	.27	747	1	.01	34	.06	13	ND	ND	ND	3	12	ND	ND	77
ST88 L40N 11+00W	.1	2.79	7	ND	63	ND	.40	.1	20	53	47	5.29	.04	.40	692	2	.01	52	.03	12	ND	ND	ND	ND	15	ND	ND	57
ST88 L40N 11+50W	.1	4.34	ND	ND	54	ND	.52	.2	25	41	96	4.95	.05	.81	519	3	.01	54	.06	7	ND	ND	ND	ND	14	ND	ND	59
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L40N 12+00W	.1	2.74	12	ND	81	ND	.46	.1	22	32	39	4.44	.05	.36	1743	1	.04	36	.07	13	ND	ND	ND	3	15	ND	ND	63
ST88 L40N 12+50W	.1	3.34	ND	ND	59	ND	.39	.1	19	34	46	4.82	.05	.32	1743	1	.01	33	.11	12	ND	ND	ND	2	13	ND	ND	60
ST88 L40N 13+00W	.1	3.91	ND	ND	44	ND	.50	.2	28	58	89	5.76	.06	.86	568	1	.01	70	.05	10	ND	ND	ND	ND	16	ND	ND	70
ST88 L40N 13+50W	.1	2.08	4	ND	88	ND	.34	.1	20	54	43	5.30	.05	.27	1424	ND	.01	43	.06	12	ND	ND	ND	ND	12	ND	ND	81
ST88 L40N 14+00W	.1	4.05	ND	ND	67	ND	.83	.1	23	66	60	5.16	.07	.51	588	2	.04	47	.04	11	ND	ND	ND	1	19	ND	ND	45
ST88 L40N 14+50W	.1	4.23	ND	ND	109	ND	.64	.2	38	45	172	5.66	.07	.40	2056	1	.01	59	.04	9	ND	ND	ND	ND	17	ND	ND	87
ST88 L40N 15+00W	.2	3.84	ND	ND	54	ND	.46	.1	26	44	66	5.44	.06	.68	517	2	.01	53	.03	9	ND	ND	ND	2	20	ND	ND	49
ST88 L42N BL	.1	4.87	ND	ND	82	ND	.43	.1	24	40	99	4.62	.05	.63	1209	2	.01	52	.13	5	ND	ND	ND	ND	15	ND	ND	72
ST88 L42N 0+50E	.1	4.30	ND	ND	68	ND	.41	.3	23	39	78	5.17	.05	.50	655	2	.01	55	.08	8	ND	ND	ND	ND	13	ND	ND	71
ST88 L42N 1+00E	.1	3.85	ND	ND	71	ND	.38	.1	19	31	59	4.50	.05	.34	1796	1	.01	36	.16	8	ND	ND	ND	ND	12	ND	ND	69
ST88 L42N 1+50E	.1	2.91	ND	ND	88	ND	.38	.2	23	32	60	5.10	.05	.29	2659	1	.01	38	.17	12	ND	ND	ND	2	14	ND	ND	93
ST88 L42N 2+00E	.1	2.62	ND	ND	41	3	1.06	.2	26	33	89	4.15	.06	1.37	632	1	.01	52	.05	10	ND	ND	ND	2	19	ND	ND	60
ST88 L42N 2+50E	.1	3.16	ND	ND	53	ND	.44	.1	21	30	45	4.37	.05	.38	432	1	.01	36	.04	10	ND	ND	ND	2	15	ND	ND	43
ST88 L42N 3+00E	.1	3.20	ND	ND	39	ND	.43	.1	21	31	73	4.17	.05	.40	628	1	.01	37	.04	11	ND	ND	ND	1	13	ND	ND	40
ST88 L42N 3+50E	.1	5.75	ND	ND	42	ND	.30	.1	22	41	37	4.99	.05	.40	513	2	.01	38	.13	3	ND	ND	ND	ND	10	ND	ND	52
ST88 L42N 4+00E	.1	5.44	ND	ND	59	ND	.41	.2	35	55	192	5.05	.06	.39	851	3	.01	59	.05	7	ND	ND	ND	ND	14	ND	ND	56
ST88 L42N 4+50E	.1	5.14	ND	ND	66	ND	.34	.1	28	46	102	6.33	.06	.32	1431	2	.01	53	.14	9	ND	ND	ND	ND	14	ND	ND	83
ST88 L42N 5+00E	.1	4.75	ND	ND	75	ND	.60	.3	47	42	109	5.65	.07	.68	2207	2	.01	71	.07	6	ND	ND	ND	ND	16	ND	ND	91
ST88 L42N 5+50E	.1	8.08	ND	ND	61	ND	.34	.1	40	43	99	5.07	.06	.43	3771	3	.01	53	.15	ND	ND	ND	ND	ND	11	ND	ND	69
ST88 L42N 6+00E	.1	4.44	ND	ND	76	ND	.41	.1	25	45	110	4.69	.05	.77	484	2	.01	55	.02	5	ND	ND	ND	ND	19	ND	ND	47
ST88 L42N 6+50E	.1	4.65	ND	ND	61	ND	.44	.2	28	44	62	4.49	.05	.75	933	2	.01	59	.02	7	ND	ND	ND	ND	16	ND	ND	49
ST88 L42N 7+00E	.2	3.02	ND	ND	65	ND	.40	.1	29	34	45	6.49	.07	.28	1882	1	.01	39	.10	18	ND	ND	ND	2	15	ND	ND	126
ST88 L42N 7+50E	.1	5.77	ND	ND	30	ND	.40	.2	16	40	92	6.74	.07	.68	525	3	.01	43	.22	6	ND	ND	ND	ND	12	ND	ND	59
ST88 L42N 0+50W	.1	4.91	ND	ND	79	ND	.38	.1	24	46	77	4.39	.05	.54	2052	2	.01	48	.08	10	ND	ND	ND	ND	13	ND	ND	69
ST88 L42N 1+00W	.1	4.83	ND	ND	56	ND	.38	.1	26	47	78	4.48	.06	.64	949	2	.01	51	.07	8	ND	ND	ND	ND	12	ND	ND	62
ST88 L42N 1+50W	.1	4.75	ND	ND	63	ND	.32	.1	21	42	58	4.74	.05	.38	526	2	.01	43	.06	8	ND	ND	ND	ND	13	ND	ND	46
ST88 L42N 2+00W	.1	8.14	ND	ND	85	ND	.29	.1	22	59	114	5.47	.06	.44	924	2	.01	56	.14	1	ND	ND	ND	ND	11	ND	ND	73
ST88 L42N 2+50W	.1	7.91	ND	ND	117	ND	.32	.1	23	59	77	4.75	.05	.56	581	3	.01	60	.05	1	ND	ND	ND	ND	14	ND	ND	65
ST88 L42N 3+00W	.4	5.24	ND	ND	118	ND	.38	2.1	27	54	82	5.22	.05	.63	1093	2	.01	66	.06	7	ND	ND	ND	ND	14	ND	ND	1262
ST88 L42N 3+50W	.1	4.39	ND	ND	91	ND	.40	.2	23	41	69	4.50	.05	.60	757	2	.01	50	.05	7	ND	ND	ND	ND	14	ND	ND	69
ST88 L42N 4+00W	.2	2.58	ND	ND	106	3	.38	.1	23	26	42	3.80	.05	.29	2048	ND	.01	33	.05	11	ND	ND	ND	3	15	ND	ND	70
ST88 L42N 4+50W	.1	4.40	ND	ND	59	ND	.32	.1	22	39	61	4.55	.05	.32	1104	2	.01	38	.16	7	ND	ND	ND	ND	12	ND	ND	81
ST88 L42N 5+00W	.1	4.31	ND	ND	37	ND	.39	.1	23	47	70	5.00	.06	.73	534	2	.01	52	.08	5	ND	ND	ND	ND	13	ND	ND	59
ST88 L42N 5+50W	.1	3.87	ND	ND	59	ND	.46	.1	31	43	66	5.17	.06	.50	1204	1	.01	53	.06	11	ND	ND	ND	ND	16	ND	ND	67
ST88 L42N 6+00W	.2	1.36	ND	ND	105	ND	.43	.1	19	25	29	3.59	.05	.22	2406	ND	.01	22	.11	15	ND	ND	ND	6	33	ND	ND	65
ST88 L42N 7+00W	.2	4.98	ND	ND	64	ND	.50	.1	27	75	109	4.69	.06	.91	581	2	.01	58	.04	4	ND	ND	ND	ND	15	ND	ND	48
ST88 L42N 7+50W	.1	3.13	6	ND	89	ND	1.21	.1	23	57	61	4.30	.08	.40	1187	1	.01	41	.04	8	ND	ND	ND	ND	20	ND	ND	58
ST88 L42N 8+00W	.1	2.27	14	ND	85	ND	.68	.2	27	49	67	5.70	.07	.58	1850	1	.01	40	.07	16	ND	ND	ND	4	18	ND	ND	110
ST88 L42N 8+50W	.1	1.45	4	ND	68	ND	.41	.1	13	22	24	3.02	.04	.22	403	ND	.01	22	.05	11	ND	ND	ND	4	15	ND	ND	65
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	1	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L42N 9+00W	.1	1.89	ND	ND	68	3	.45	.1	14	26	29	3.75	.04	.24	661	2	.01	24	.05	12	ND	ND	ND	3	14	ND	ND	61
ST88 L42N 10+00W	.2	4.07	ND	ND	42	ND	.44	.1	23	51	48	5.79	.06	.40	257	3	.01	44	.03	10	ND	ND	ND	1	13	ND	ND	38
ST88 L42N 10+50W	.1	3.77	3	ND	116	ND	.64	.1	27	40	90	4.12	.05	.81	2425	3	.01	50	.04	10	ND	ND	ND	ND	18	ND	ND	62
ST88 L42N 11+00W	.1	4.16	ND	ND	41	ND	.53	.1	22	61	62	5.60	.06	.46	758	3	.01	37	.15	9	ND	ND	ND	1	13	ND	ND	69
ST88 L42N 11+50W	.1	2.70	4	ND	44	3	.52	.2	19	36	39	4.25	.05	.40	341	2	.01	33	.04	10	ND	ND	ND	4	14	ND	ND	57
ST88 L42N 12+00W	.2	3.54	ND	ND	58	ND	.45	.1	23	47	49	4.64	.05	.48	379	2	.01	40	.03	8	ND	ND	ND	2	14	ND	ND	50
ST88 L42N 12+50W	.1	4.08	ND	ND	50	ND	.45	.1	24	42	70	4.75	.05	.56	742	3	.01	44	.07	9	ND	ND	ND	1	14	ND	ND	56
ST88 L42N 13+00W	.1	3.42	86	ND	82	ND	.29	.1	22	44	50	6.14	.05	.46	1068	2	.01	60	.07	10	ND	ND	ND	ND	13	ND	ND	123
ST88 L42N 13+50W	.1	3.09	4	ND	59	ND	.51	.1	23	33	57	4.50	.05	.50	1706	2	.01	38	.06	11	ND	ND	ND	2	15	ND	ND	55
ST88 L42N 14+00W	.1	3.59	ND	ND	56	3	.48	.2	24	38	53	4.91	.05	.48	637	2	.01	39	.07	9	ND	ND	ND	2	15	ND	ND	62
ST88 L42N 14+50W	.1	4.89	ND	ND	84	ND	.41	.2	21	39	67	4.26	.04	.44	1708	3	.01	35	.11	7	ND	ND	ND	ND	15	ND	ND	72
ST88 L42N 15+00W	.1	4.97	ND	ND	48	ND	.45	.2	24	54	102	5.48	.06	.66	607	3	.01	52	.08	5	ND	ND	ND	ND	14	ND	ND	70
ST88 L44N BL	.1	4.48	ND	ND	54	ND	.48	.2	23	43	122	4.64	.06	.72	434	3	.01	46	.06	6	ND	ND	ND	ND	15	ND	ND	52
ST88 L44N 0+50E	.1	4.45	3	ND	63	ND	.41	.1	26	43	103	5.22	.06	.51	775	3	.01	49	.08	9	ND	ND	ND	ND	14	ND	ND	63
ST88 L44N 1+00E	.1	4.58	ND	ND	156	ND	.36	.1	27	46	124	6.81	.06	.48	2225	2	.01	58	.36	9	ND	ND	ND	ND	13	ND	ND	135
ST88 L44N 1+50E	.1	4.33	ND	ND	63	ND	.58	.1	34	39	69	5.04	.06	.79	2106	3	.01	57	.08	7	ND	ND	ND	1	14	ND	ND	78
ST88 L44N 2+00E	.1	5.73	ND	ND	111	ND	.44	.1	30	64	94	5.47	.05	1.31	566	3	.01	65	.03	2	ND	ND	ND	ND	18	ND	ND	72
ST88 L44N 2+50E	.1	5.25	ND	ND	114	ND	.50	.1	31	52	88	5.27	.06	1.29	1127	3	.01	66	.05	6	ND	ND	ND	ND	25	ND	ND	100
ST88 L44N 3+00E	.1	5.07	ND	ND	99	ND	.60	.4	31	57	90	5.23	.06	1.29	1052	3	.01	65	.04	7	ND	ND	ND	ND	23	ND	ND	94
ST88 L44N 3+50E	.1	5.14	ND	ND	101	ND	.55	.4	30	56	79	5.19	.05	1.25	876	3	.01	63	.03	2	ND	ND	ND	ND	26	ND	ND	98
ST88 L44N 4+00E	.1	4.33	ND	ND	89	ND	.48	.2	28	57	64	4.72	.05	.93	973	3	.01	62	.02	5	ND	ND	ND	ND	23	ND	ND	80
ST88 L44N 4+50E	.1	3.65	ND	ND	96	3	.51	.3	23	39	65	4.07	.05	.85	562	2	.01	47	.01	6	ND	ND	ND	ND	17	ND	ND	57
ST88 L44N 5+00EA	.1	4.12	ND	ND	83	ND	1.18	.2	38	60	79	5.90	.07	1.56	1380	3	.01	73	.03	5	ND	ND	ND	1	25	ND	ND	76
ST88 L44N 5+00EB	.1	3.49	6	ND	43	4	.60	.1	22	34	78	3.97	.05	.69	499	3	.01	40	.03	6	ND	ND	ND	ND	15	ND	ND	53
ST88 L44N 5+50E	.1	2.91	ND	ND	172	ND	.56	.1	65	34	65	5.52	.06	.39	3530	2	.01	51	.07	15	ND	ND	ND	2	22	ND	ND	131
ST88 L44N 6+00E	.1	2.62	ND	ND	81	ND	.48	.1	43	47	74	8.71	.08	.24	2334	2	.01	54	.32	21	ND	ND	ND	2	28	ND	ND	160
ST88 L44N 7+00E	.4	1.58	3	ND	53	ND	.45	.3	47	37	83	8.03	.08	.20	3273	1	.01	52	.11	26	ND	ND	ND	6	31	ND	ND	153
ST88 L44N 7+50E	.1	2.62	4	ND	41	4	1.25	.1	25	34	77	4.08	.06	1.38	649	2	.01	47	.05	34	ND	ND	ND	2	27	ND	ND	78
ST88 L46N BL	.1	3.42	ND	ND	59	ND	.54	.1	45	30	76	4.49	.05	.44	1626	2	.01	38	.06	8	ND	ND	ND	1	16	ND	ND	59
ST88 L46N 0+50E	.2	3.22	ND	ND	59	ND	.30	.1	26	60	120	10.50	.08	.40	302	1	.01	54	.11	19	ND	ND	ND	4	25	ND	ND	90
ST88 L46N 1+00E	.4	2.77	3	ND	88	ND	.51	.1	46	40	101	8.21	.07	.30	3552	2	.01	50	.25	21	ND	ND	ND	6	28	ND	ND	134
ST88 L46N 1+50E	.1	6.34	ND	ND	63	ND	.22	.1	37	61	152	9.25	.08	.53	1145	5	.01	69	.25	5	ND	ND	ND	ND	11	ND	ND	136
ST88 L46N 2+00E	.1	3.75	ND	ND	72	ND	.60	.1	27	36	92	4.80	.05	.79	1533	2	.01	49	.10	10	ND	ND	ND	ND	16	ND	ND	73
ST88 L46N 2+50E	.1	4.30	ND	ND	48	ND	.59	.3	26	38	88	4.69	.05	.78	513	3	.01	45	.05	6	ND	ND	ND	ND	17	ND	ND	51
ST88 L46N 3+00E	.1	3.29	5	ND	54	ND	.81	.1	26	35	97	4.20	.05	1.12	1166	2	.01	53	.06	9	ND	ND	ND	ND	18	ND	ND	65
ST88 L46N 3+50E	.1	4.05	ND	ND	76	ND	.46	.2	23	43	65	4.41	.04	.89	501	2	.01	47	.02	4	ND	ND	ND	ND	18	ND	ND	56
ST88 L46N 4+00E	.1	4.14	ND	ND	80	3	.51	.1	24	44	77	4.19	.04	.88	444	3	.01	50	.02	5	ND	ND	ND	ND	16	ND	ND	46
ST88 L46N 4+50E	.1	4.19	6	ND	67	3	.45	.1	26	45	71	4.35	.04	.75	499	3	.01	51	.02	5	ND	ND	ND	ND	15	ND	ND	42
ST88 L46N 5+00E	.1	4.05	ND	ND	113	ND	.46	.1	24	40	60	4.30	.04	.97	1047	2	.01	51	.02	4	ND	ND	ND	ND	18	ND	ND	53
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	

CLIENT: ASHWORTH EXPL JOB#: 880136 PROJECT: REPORT: 880136PA DATE: 88/04/11

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
ST88 L46N 5+50E	.1	4.00	ND	ND	104	ND	.46	.1	21	37	58	4.05	.05	.86	648	1	.01	50	.02	4	ND	ND	ND	ND	22	ND	ND	52
ST88 L46N 6+00E	.1	4.44	ND	ND	74	ND	.40	.1	39	38	69	4.67	.06	.60	1091	1	.01	51	.05	3	ND	ND	ND	ND	17	ND	ND	50
ST88 L46N 6+50E	.1	2.79	ND	ND	22	ND	.41	.1	15	27	41	4.35	.05	.38	253	ND	.01	32	.04	9	ND	ND	ND	ND	14	ND	ND	32
ST88 L46N 7+00E	.1	4.22	34	ND	38	ND	.55	.1	29	38	145	4.91	.06	.88	1099	1	.01	58	.07	3	ND	ND	ND	ND	13	ND	ND	75
ST88 T 1 (SILT)	.1	4.48	53	ND	51	ND	.85	.2	47	73	195	7.53	.08	2.27	1168	1	.01	99	.04	4	ND	ND	ND	ND	16	ND	ND	90
ST88 T 2	.2	4.52	10	ND	81	ND	.97	.3	42	67	113	7.41	.08	1.50	1463	1	.01	84	.03	1	ND	ND	ND	ND	15	ND	ND	73
ST88 T 3	.2	4.25	5	ND	52	ND	1.06	.1	27	95	145	5.30	.07	.71	960	2	.01	62	.04	3	ND	ND	ND	ND	16	ND	ND	68
ST88 T 4	.1	2.61	8	ND	62	3	1.33	.1	23	43	103	3.34	.06	.97	1251	ND	.01	42	.04	2	ND	ND	ND	1	23	ND	ND	44
ST88 T 5	.1	3.52	4	ND	65	ND	1.20	.1	29	52	91	4.85	.07	1.56	1078	1	.01	61	.04	14	ND	ND	ND	ND	23	ND	ND	81
ST88 T 6	.2	3.65	ND	ND	37	3	1.23	.3	34	62	101	5.25	.07	2.08	789	1	.01	71	.04	4	ND	ND	ND	ND	20	ND	ND	71
ST88 T 7	.1	3.79	10	ND	83	ND	1.27	.1	28	49	95	4.55	.07	1.03	2394	1	.01	51	.06	9	ND	ND	ND	ND	27	ND	ND	105
ST88 T 8	.1	3.65	ND	ND	91	ND	1.45	.4	28	36	195	3.89	.07	1.14	2430	1	.01	57	.08	16	ND	ND	ND	ND	38	ND	ND	124
ST88 T 9	.1	3.65	11	ND	69	3	1.10	.1	27	49	98	4.55	.07	1.12	1384	1	.01	56	.05	7	ND	ND	ND	ND	24	ND	ND	87
ST88 T 10	.1	3.77	11	ND	103	ND	1.12	.1	28	53	97	5.14	.07	.88	1374	1	.01	59	.06	3	ND	ND	ND	ND	24	ND	ND	102
ST88 T 11A	.1	4.08	17	ND	137	ND	1.29	.5	32	62	179	5.05	.08	.71	3325	1	.01	62	.07	5	ND	ND	ND	ND	25	ND	ND	108
ST88 T 11B	.1	2.63	19	ND	119	ND	1.29	.1	29	59	98	5.54	.08	.85	1785	ND	.01	63	.05	7	ND	ND	3	ND	25	ND	ND	101
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VGC

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December 1st, 1987

TO: Peter Leriche
ASHWORTH EXPLORATION LTD.
Mezz Flr - 744 W. Hastings St.
Vancouver, B.C. V6C 1A5

FROM: Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 2S3

SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

(a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.

(b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Farenhiet to form a lead "button".

(c) The gold is extracted by cupellation and parted with diluted nitric acid.

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(d) The gold bead is retained for subsequent measurement.

3. Method of Detection

(a) The gold bead is dissolved by boiling with sodium cyanide, hydrogen peroxide and ammonium hydroxide.

(b) The detection of gold was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LIMITED

VGC

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December 1st, 1987

TO: Peter Leriche
ASHWORTH EXPLORATION LTD.
Mezz Flr - 744 W. Hastings St.
Vancouver, B.C. V6C 1A5

FROM: Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

(a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.

(b) Samples were digested with a 5 ml solution of HCL:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.

(c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.

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3. Method of Analyses

The ICP analyses elements were determined by using a Jarrel-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disk.

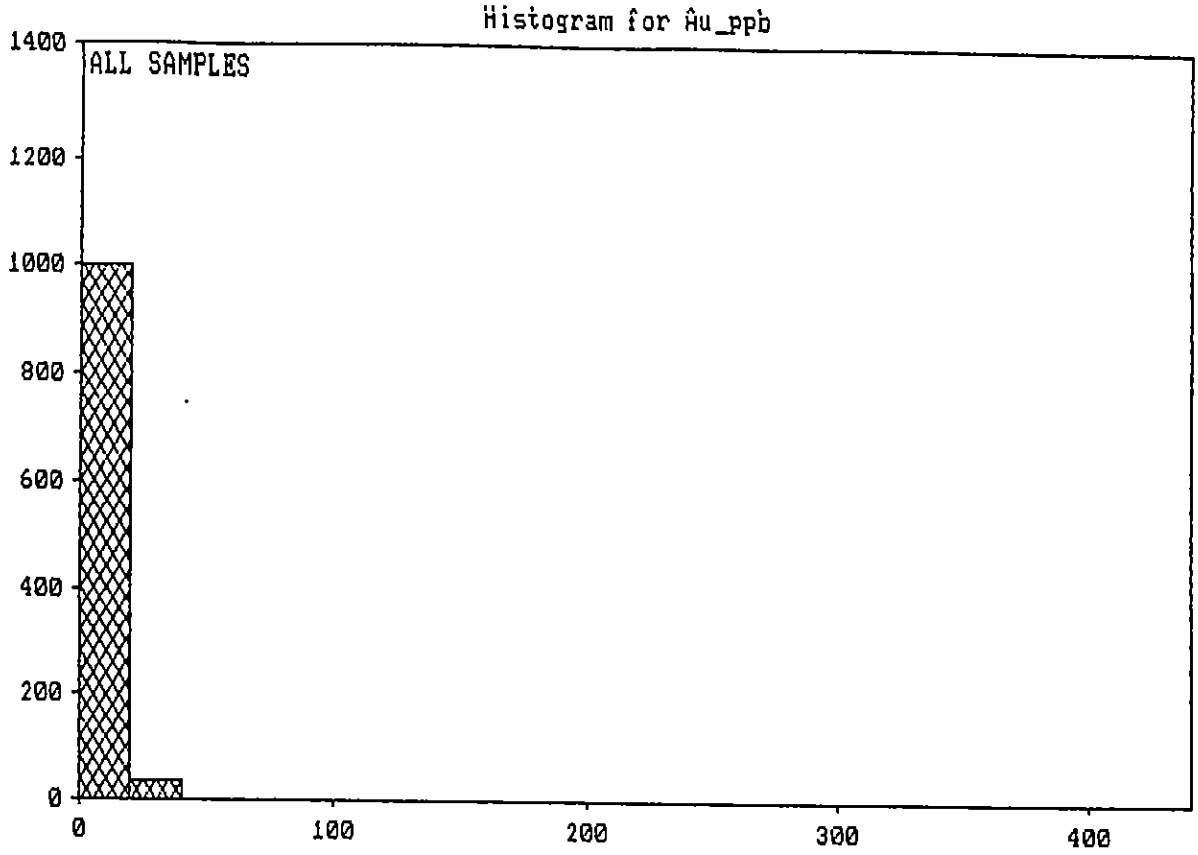
4. Analysts

The analyses were supervised or determined by either Mr. Eddie Tang, and, the laboratory staff.

Eddie Tang
VANGEOCHEM LAB LIMITED

APPENDIX C

STATISTICAL HISTOGRAMS & CORRELATION MATRIX



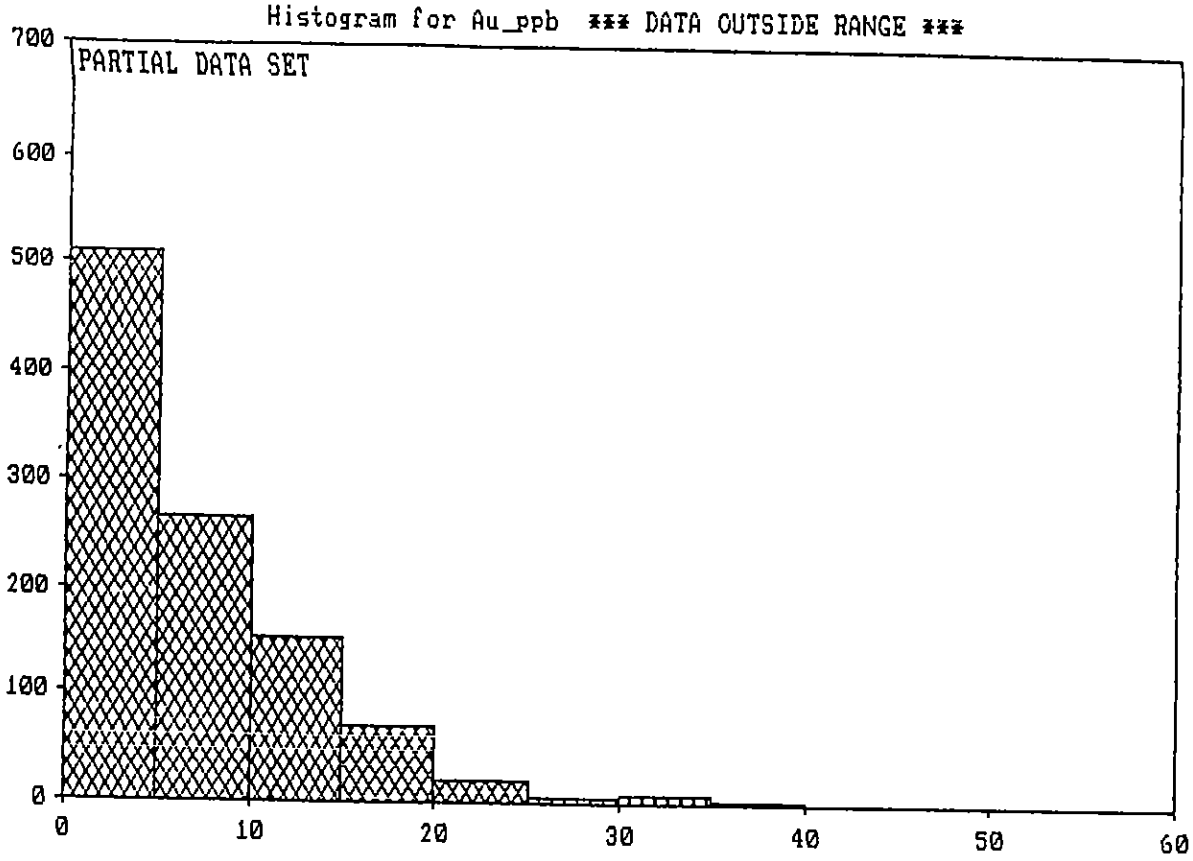
Mean = 5.2972 Variance = 211.2
Standard Deviation = 14.53 Skewness = 20.15

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	20	1001	96	1001	96	Mean
20	40	37	4	1038	100	
40	60	1	0	1039	100	
60	80	1	0	1040	100	
80	100	1	0	1041	100	
100	120	0	0	1041	100	
120	140	1	0	1042	100	
140	160	0	0	1042	100	
160	180	0	0	1042	100	
180	200	0	0	1042	100	
200	220	0	0	1042	100	
220	240	0	0	1042	100	
240	260	0	0	1042	100	
260	280	0	0	1042	100	
280	300	0	0	1042	100	
300	320	0	0	1042	100	
320	340	0	0	1042	100	
340	360	0	0	1042	100	
360	380	0	0	1042	100	
380	400	1	0	1043	100	

Data elements inside histogram 1043
Data elements outside histogram 0

Descriptive Statistics

Mean	5.29722
Variance	211.188
Standard Deviation	14.53231
Skewness	20.15153



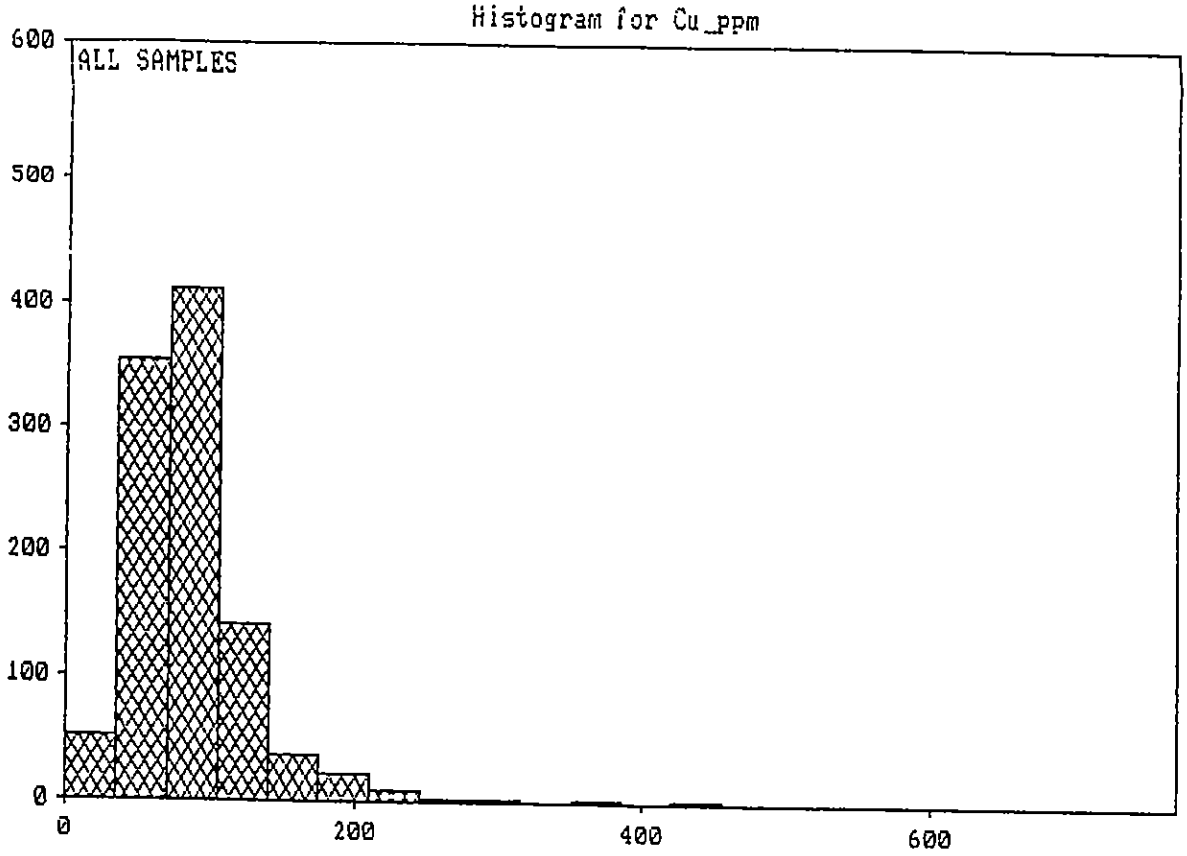
Mean = 5.2972 Variance = 211.2
Standard Deviation = 14.53 Skewness = 20.15

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	5	512	49	512	49	
5	10	264	25	776	74	Mean
10	15	154	15	930	89	
15	20	71	7	1001	96	
20	25	21	2	1022	98	
25	30	6	1	1028	99	
30	35	8	1	1036	99	
35	40	2	0	1038	100	
40	45	0	0	1038	100	
45	50	1	0	1039	100	

Data elements inside histogram 1039
Data elements outside histogram 4

Descriptive Statistics

Mean	5.29722
Variance	211.188
Standard Deviation	14.53231
Skewness	20.15153



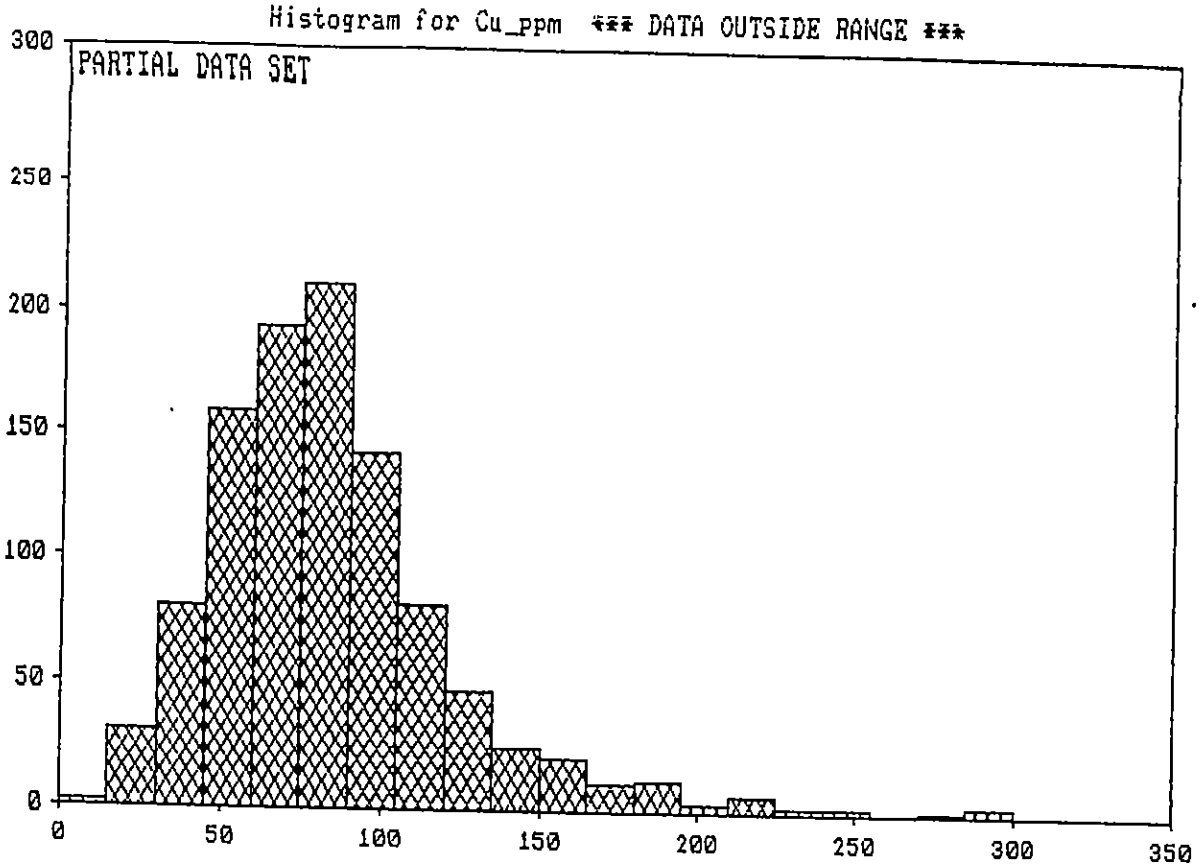
Mean = 86.796 Variance = 2844
Standard Deviation = 53.33 Skewness = 4.452

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	35	52	5	52	5	
35	70	353	34	405	39	
70	105	413	40	818	78	Mean
105	140	142	14	960	92	
140	175	37	4	997	96	
175	210	22	2	1019	98	
210	245	9	1	1028	99	
245	280	3	0	1031	99	
280	315	3	0	1034	99	
315	350	0	0	1034	99	
350	385	2	0	1036	99	
385	420	1	0	1037	99	
420	455	2	0	1039	100	
455	490	1	0	1040	100	
490	525	1	0	1041	100	
525	560	0	0	1041	100	
560	595	1	0	1042	100	
595	630	0	0	1042	100	
630	665	0	0	1042	100	
665	700	1	0	1043	100	

Data elements inside histogram 1043
Data elements outside histogram 0

Descriptive Statistics

Mean	86.79578
Variance	2844.424
Standard Deviation	53.33315
Skewness	4.451579



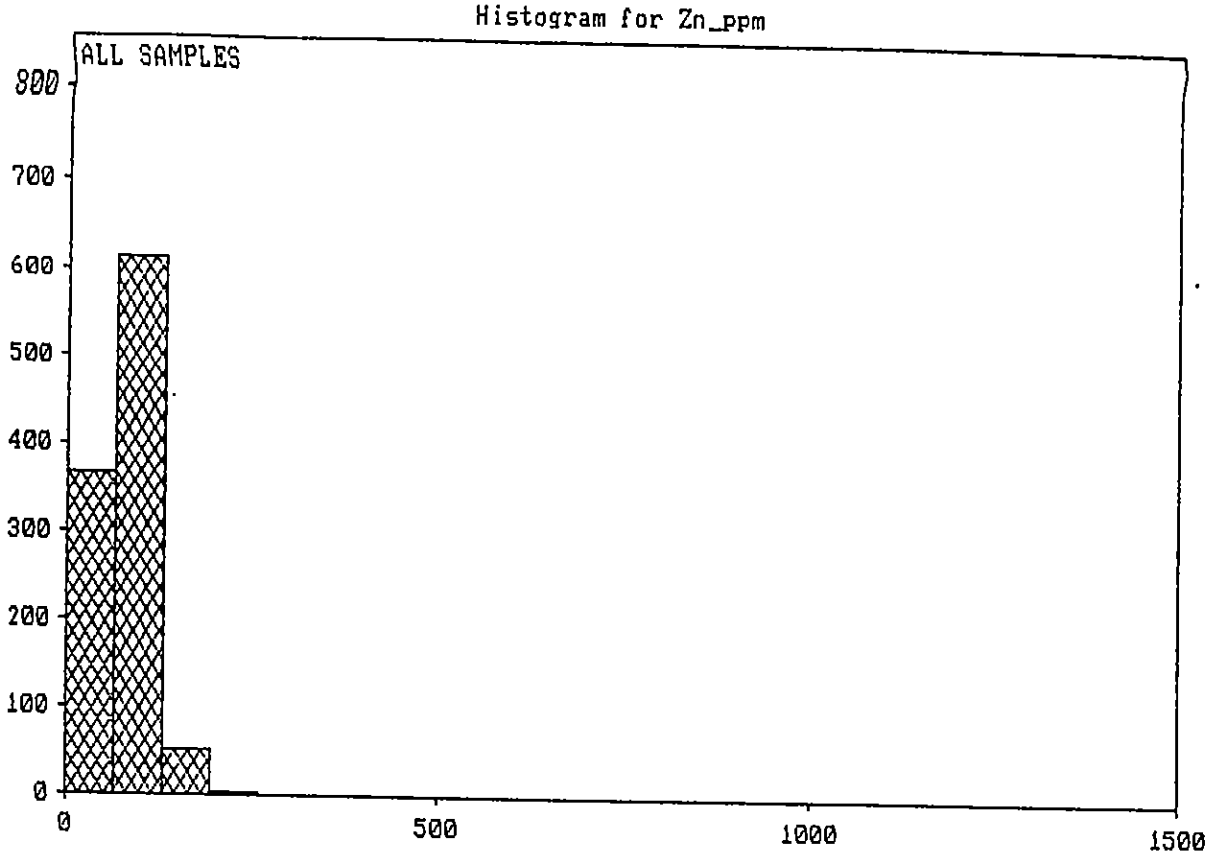
Mean = 86.796 Variance = 2844
Standard Deviation = 53.33 Skewness = 4.452

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	15	2	0	2	0	
15	30	31	3	33	3	
30	45	81	8	114	11	
45	60	159	15	273	26	
60	75	193	19	466	45	
75	90	210	20	676	65	Mean
90	105	142	14	818	78	
105	120	82	8	900	86	
120	135	47	5	947	91	
135	150	25	2	972	93	
150	165	21	2	993	95	
165	180	11	1	1004	96	
180	195	12	1	1016	97	
195	210	3	0	1019	98	
210	225	7	1	1026	98	
225	240	2	0	1028	99	
240	255	2	0	1030	99	
255	270	0	0	1030	99	
270	285	1	0	1031	99	
285	300	3	0	1034	99	

Data elements inside histogram 1034
Data elements outside histogram 9

Descriptive Statistics

Mean	86.79578
Variance	2844.424
Standard Deviation	53.33315
Skewness	4.451579



Mean = 78.539 Variance = 2419
Standard Deviation = 49.19 Skewness = 14.65

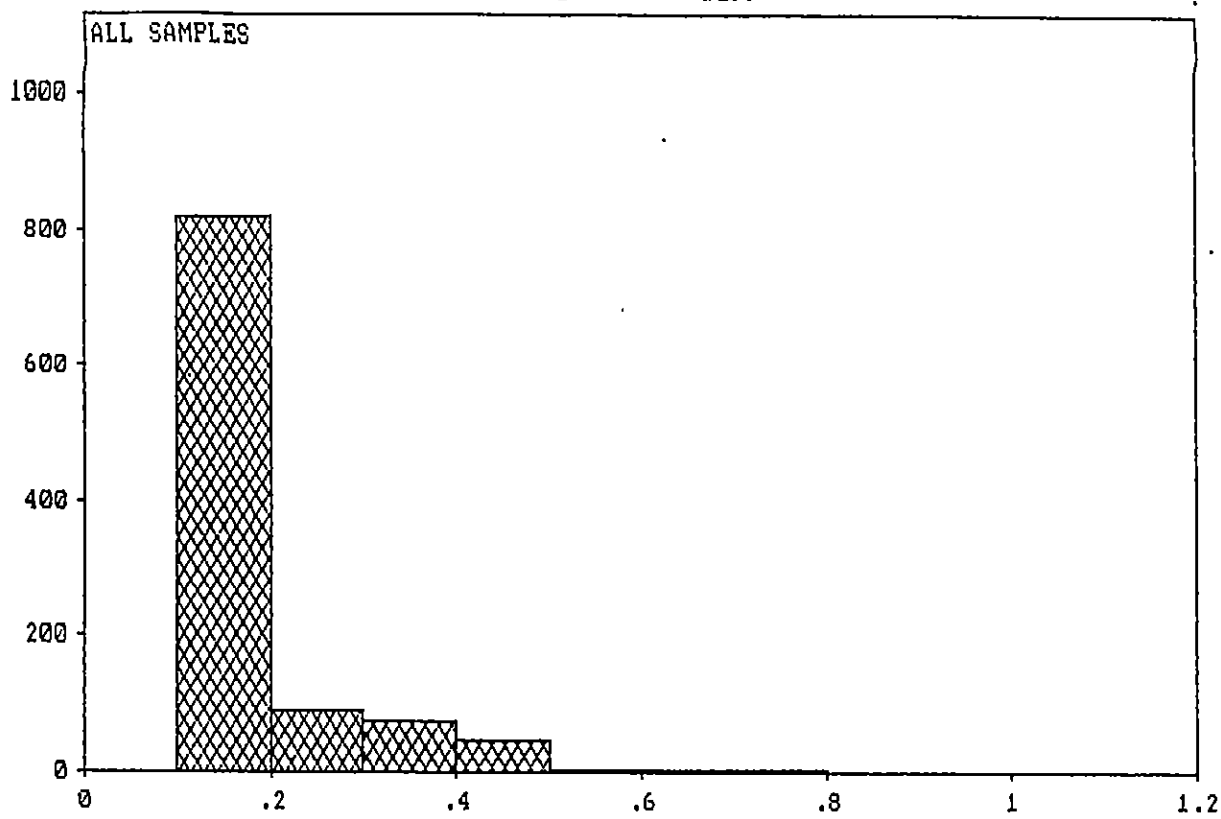
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	65	368	35	368	35	
65	130	616	59	984	94	Mean
130	195	51	5	1035	99	
195	260	4	0	1039	100	
260	325	1	0	1040	100	
325	390	1	0	1041	100	
390	455	0	0	1041	100	
455	520	0	0	1041	100	
520	585	1	0	1042	100	
585	650	0	0	1042	100	
650	715	0	0	1042	100	
715	780	0	0	1042	100	
780	845	0	0	1042	100	
845	910	0	0	1042	100	
910	975	0	0	1042	100	
975	1040	0	0	1042	100	
1040	1105	0	0	1042	100	
1105	1170	0	0	1042	100	
1170	1235	0	0	1042	100	
1235	1300	1	0	1043	100	

Data elements inside histogram 1043
Data elements outside histogram 0

Descriptive Statistics

Mean	78.53883
Variance	2419.495
Standard Deviation	49.18837
Skewness	14.64525

Histogram for Ag_ppm



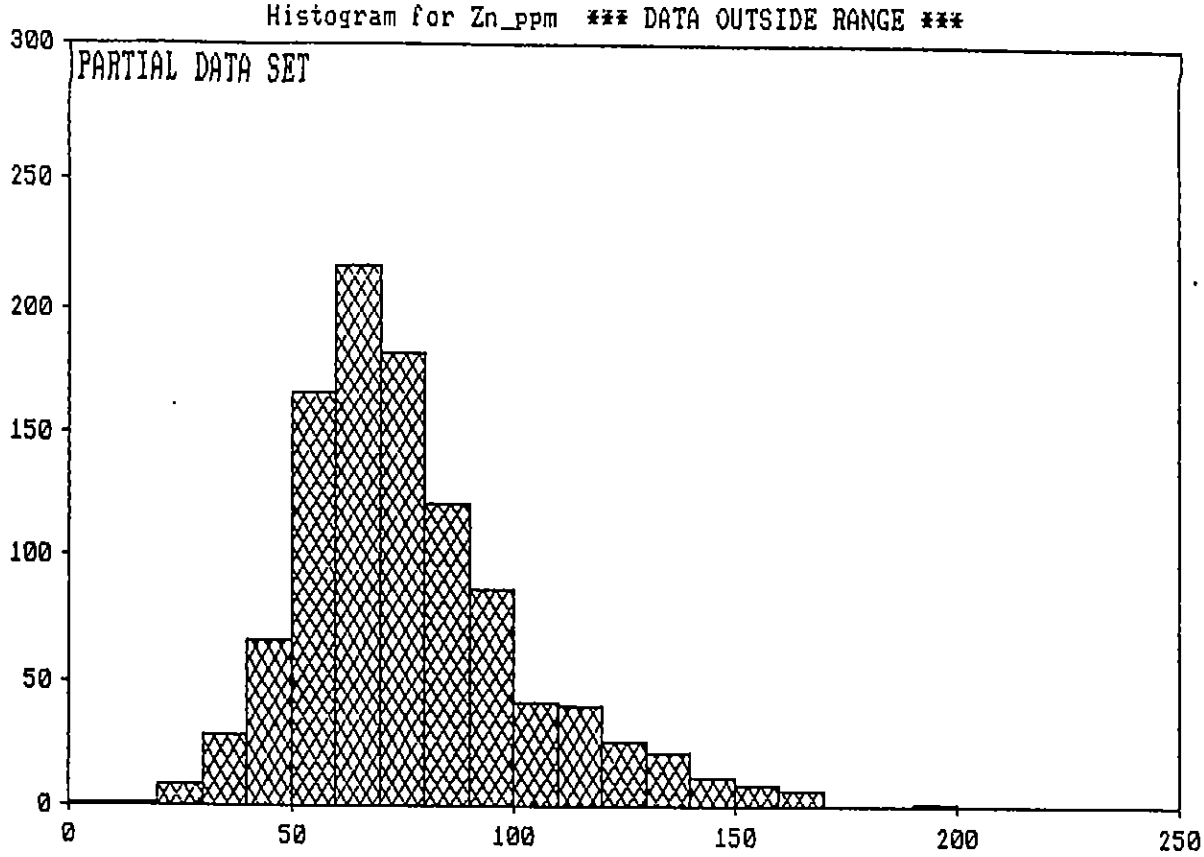
Mean = .14104 Variance = .008545
Standard Deviation = .09244 Skewness = 2.725

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	0.1	1	0	1	0	
0.1	0.2	819	79	820	79	Mean
0.2	0.3	92	9	912	87	
0.3	0.4	75	7	987	95	
0.4	0.5	47	5	1034	99	
0.5	0.6	4	0	1038	100	
0.6	0.7	2	0	1040	100	
0.7	0.8	2	0	1042	100	
0.8	0.9	0	0	1042	100	
0.9	1	1	0	1043	100	

Data elements inside histogram 1043
Data elements outside histogram 0

Descriptive Statistics

Mean	0.1410354
Variance	0.0085448
Standard Deviation	0.092438
Skewness	2.725161



Mean = 78.539 Variance = 2419
Standard Deviation = 49.19 Skewness = 14.65

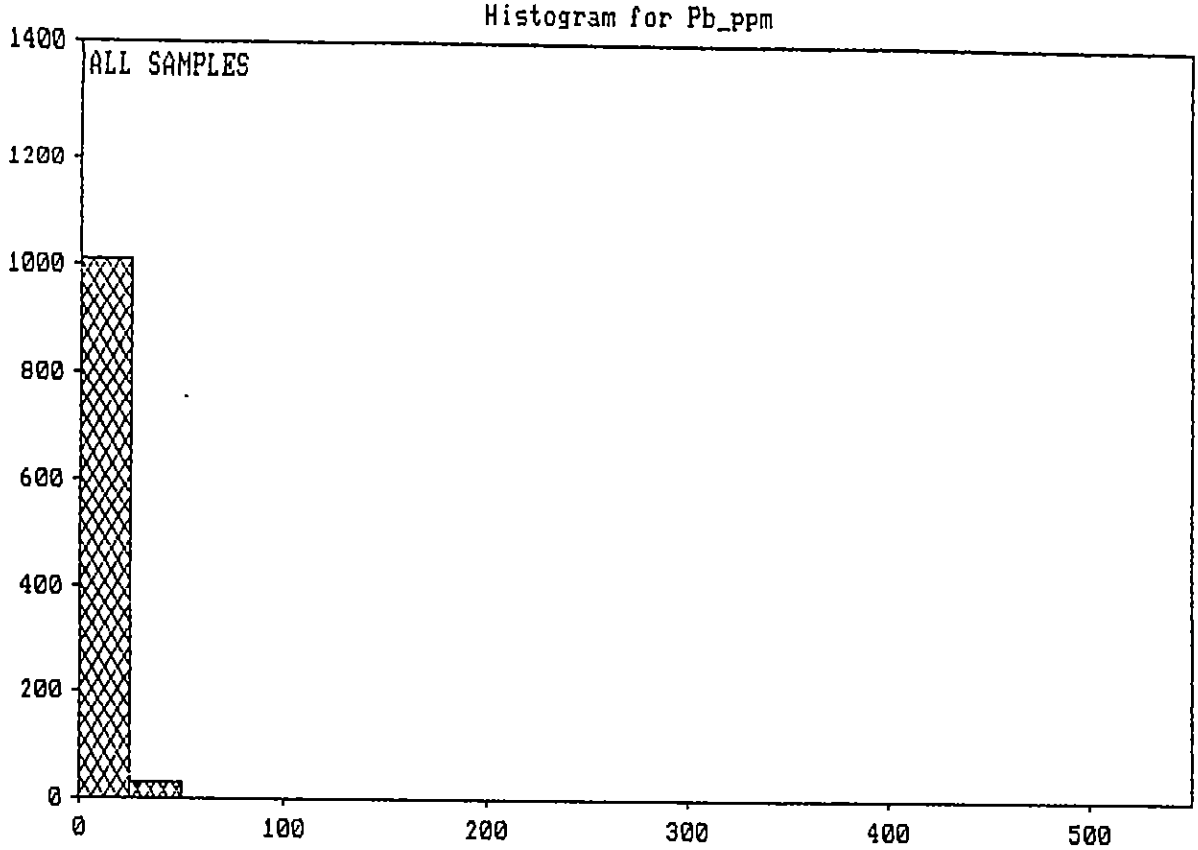
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	10	1	0	1	0	
10	20	1	0	2	0	
20	30	9	1	11	1	
30	40	28	3	39	4	
40	50	66	6	105	10	
50	60	166	16	271	26	
60	70	217	21	488	47	
70	80	182	17	670	64	Mean
80	90	121	12	791	76	
90	100	86	8	877	84	
100	110	41	4	918	88	
110	120	40	4	958	92	
120	130	26	2	984	94	
130	140	22	2	1006	96	
140	150	12	1	1018	98	
150	160	9	1	1027	98	
160	170	7	1	1034	99	
170	180	0	0	1034	99	
180	190	0	0	1034	99	
190	200	1	0	1035	99	

Data elements inside histogram 1035
Data elements outside histogram 8

Descriptive Statistics

Mean	78.53883
Variance	2419.495
Standard Deviation	49.18837
Skewness	14.64525

Histogram for Pb_ppm



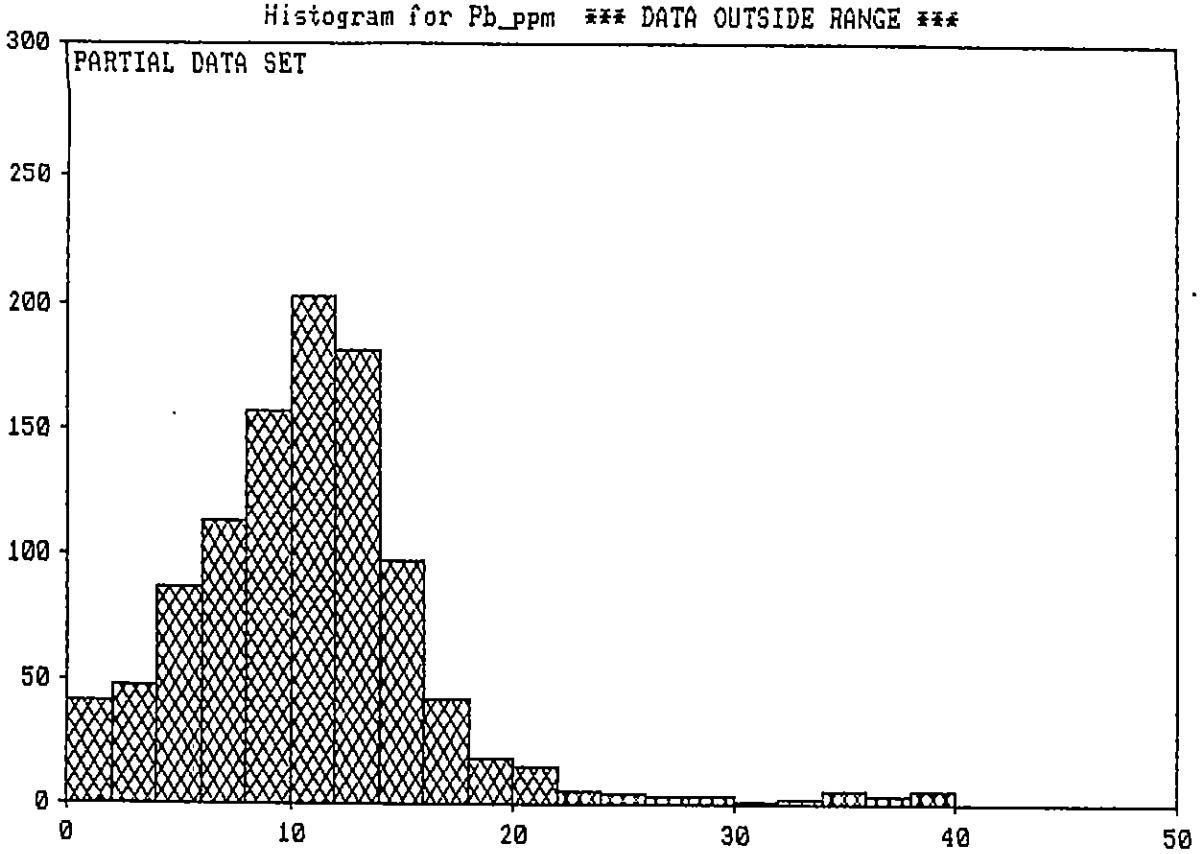
Mean = 11.026 Variance = 260.8
Standard Deviation = 16.15 Skewness = 25.33

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	25	1013	97	1013	97	Mean
25	50	28	3	1041	100	
50	75	1	0	1042	100	
75	100	0	0	1042	100	
100	125	0	0	1042	100	
125	150	0	0	1042	100	
150	175	0	0	1042	100	
175	200	0	0	1042	100	
200	225	0	0	1042	100	
225	250	0	0	1042	100	
250	275	0	0	1042	100	
275	300	0	0	1042	100	
300	325	0	0	1042	100	
325	350	0	0	1042	100	
350	375	0	0	1042	100	
375	400	0	0	1042	100	
400	425	0	0	1042	100	
425	450	0	0	1042	100	
450	475	0	0	1042	100	
475	500	1	0	1043	100	

Data elements inside histogram 1043
Data elements outside histogram 0

Descriptive Statistics

Mean	11.02589
Variance	260.8008
Standard Deviation	16.14933
Skewness	25.33082



Mean = 11.026 Variance = 260.8
Standard Deviation = 16.15 Skewness = 25.33

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	2	41	4	41	4	
2	4	48	5	89	9	
4	6	87	8	176	17	
6	8	113	11	289	28	
8	10	158	15	447	43	
10	12	203	19	650	62	Mean
12	14	182	17	832	80	
14	16	98	9	930	89	
16	18	42	4	972	93	
18	20	18	2	990	95	
20	22	15	1	1005	96	
22	24	5	0	1010	97	
24	26	4	0	1014	97	
26	28	3	0	1017	98	
28	30	3	0	1020	98	
30	32	1	0	1021	98	
32	34	2	0	1023	98	
34	36	5	0	1028	99	
36	38	3	0	1031	99	
38	40	5	0	1036	99	

Data elements inside histogram 1036
Data elements outside histogram 7

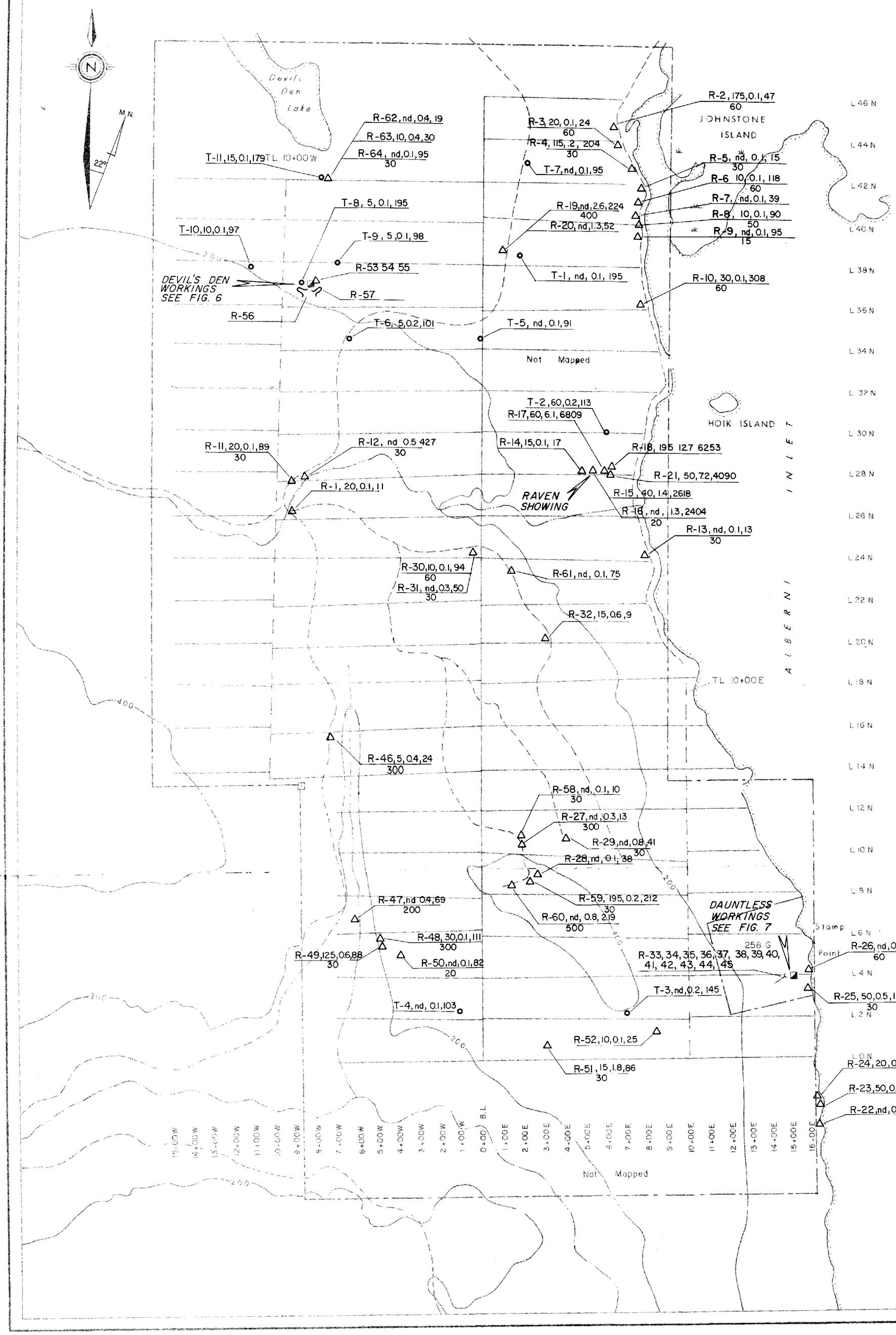
Descriptive Statistics

Mean	11.02589
Variance	260.8008
Standard Deviation	16.14933
Skewness	25.33082

Stamp Claims Soil Samples: Correlation Coefficients

	AGPPM	ALPCT	ASPPM	AUPPM	BAPPM	BIPPM	CAPCT	CDPPM	COPPM	CRPPM	CUPPM	FEPCT	KPCT	MGPCT	MNPPM	MOPPM	NAPCT	NIPPM	PPCT	PBPPM	PDPPM	PTPPM	SBPPM	SKPPM	SRPPM	UPPM	WPPM	ZNPPM	AUPPB
AGPPM	1.00	0.13	0.05	0.09	0.11	0.09	0.07	0.01	0.10	0.01	0.05	0.17	0.12	0.00	0.05	0.09	0.05	0.02	0.02	0.07	0.32	0.00	0.07	0.42	0.08	0.01	0.04	0.05	0.03
ALPCT	0.13	1.00	0.19	0.10	0.03	0.34	0.08	0.16	0.25	0.45	0.42	0.29	0.11	0.34	0.12	0.52	0.08	0.47	0.21	0.20	0.11	0.00	0.11	0.49	0.05	0.04	0.02	0.05	0.03
ASPPM	0.05	0.19	1.00	0.03	0.11	0.06	0.03	0.04	0.01	0.03	0.06	0.11	0.06	0.03	0.07	0.03	0.05	0.05	0.02	0.09	0.10	0.00	0.27	0.01	0.06	0.01	0.05	0.08	0.09
AUPPM	0.09	0.10	0.03	1.00	0.04	0.15	0.14	0.03	0.06	0.09	0.09	0.22	0.16	0.08	0.04	0.16	0.26	0.01	0.06	0.03	0.02	0.00	0.09	0.14	0.03	0.02	0.18	0.07	0.05
BAPPM	0.11	0.03	0.11	0.04	1.00	0.09	0.27	0.15	0.30	0.06	0.10	0.05	0.17	0.12	0.60	0.02	0.02	0.25	0.21	0.04	0.03	0.00	0.03	0.12	0.39	0.16	0.01	0.34	0.01
BIPPM	0.09	0.34	0.06	0.15	0.09	1.00	0.05	0.04	0.19	0.26	0.22	0.45	0.19	0.12	0.08	0.21	0.01	0.32	0.16	0.08	0.13	0.00	0.07	0.19	0.04	0.02	0.02	0.10	0.06
CAPCT	0.07	0.08	0.03	0.14	0.27	0.05	1.00	0.21	0.36	0.28	0.11	0.01	0.39	0.44	0.33	0.09	0.11	0.36	0.02	0.04	0.05	0.00	0.10	0.09	0.65	0.17	0.05	0.12	0.08
CDPPM	0.01	0.16	-0.04	0.03	0.15	-0.04	0.21	1.00	0.19	0.15	0.15	0.08	0.22	0.16	0.15	0.02	-0.14	0.22	0.06	-0.02	0.00	0.00	-0.03	-0.07	0.14	0.14	0.03	0.54	-0.03
COPPM	0.10	0.25	0.01	-0.06	0.30	-0.19	0.36	0.19	1.00	0.45	0.42	0.53	0.45	0.50	0.35	0.06	-0.18	0.67	0.20	-0.02	0.24	0.00	-0.01	-0.08	0.36	-0.00	0.02	0.33	-0.06
CRPPM	0.01	0.45	-0.03	-0.09	0.06	-0.26	0.28	0.15	0.45	1.00	0.29	0.51	0.38	0.64	0.05	0.13	-0.32	0.71	0.06	-0.09	0.14	0.00	0.01	-0.19	0.13	-0.03	0.09	0.12	-0.02
CUPPM	-0.05	0.42	0.06	-0.09	0.10	-0.22	0.11	0.15	0.42	0.29	1.00	0.41	0.27	0.38	0.05	0.18	-0.14	0.47	0.14	-0.05	0.16	0.00	0.02	-0.26	0.11	0.04	-0.03	0.12	0.02
FEPCT	0.17	0.29	0.11	-0.22	0.05	-0.45	0.01	0.08	0.53	0.51	0.41	1.00	0.52	0.32	0.07	0.08	-0.24	0.56	0.24	0.00	0.32	0.00	0.16	-0.09	0.04	-0.07	-0.01	0.21	-0.04
KPCT	0.12	0.11	0.06	0.16	0.17	-0.19	0.39	0.22	0.45	0.38	0.27	0.52	1.00	0.28	0.22	0.06	-0.12	0.43	0.14	-0.08	0.32	0.00	-0.29	-0.11	0.29	0.04	0.11	0.18	-0.06
MGPCT	0.00	0.34	-0.03	0.08	0.12	-0.12	0.44	0.16	0.50	0.64	0.38	0.32	0.28	1.00	0.10	0.13	-0.22	0.71	0.02	-0.06	0.04	0.00	-0.04	-0.17	0.24	-0.01	0.13	0.12	0.01
MNPPM	-0.05	-0.12	0.07	-0.04	0.60	-0.08	0.33	0.15	0.45	0.05	0.05	0.07	0.22	0.10	1.00	-0.11	-0.02	0.18	0.36	0.07	0.04	0.00	-0.00	0.03	0.37	0.42	-0.02	0.37	-0.02
MOPPM	-0.09	0.52	0.03	0.16	-0.02	-0.21	-0.09	0.02	0.06	0.13	0.18	0.08	0.06	0.13	-0.11	1.00	0.41	0.24	0.15	-0.05	0.14	0.00	-0.03	-0.25	-0.07	0.02	0.09	-0.03	-0.03
NAPCT	-0.05	-0.08	0.06	0.26	0.02	-0.01	-0.11	-0.14	-0.18	-0.32	-0.14	-0.24	-0.12	-0.22	-0.02	0.41	1.00	-0.16	-0.01	0.04	0.12	0.00	-0.10	0.02	-0.02	0.03	0.07	-0.09	-0.03
NIPPM	-0.02	0.47	0.05	0.01	0.25	-0.32	0.36	0.22	0.67	0.71	0.47	0.56	0.43	0.71	0.18	0.24	-0.16	1.00	0.08	-0.06	0.12	0.00	0.04	-0.22	0.19	0.01	0.07	0.23	-0.05
PPCT	-0.02	0.21	0.02	-0.06	0.21	-0.16	-0.02	0.06	0.20	0.06	0.14	0.24	0.14	0.02	0.36	0.15	-0.01	0.08	1.00	-0.01	0.11	0.00	0.00	-0.07	0.06	0.04	0.01	0.26	-0.04
PBPPM	0.07	-0.20	0.09	0.03	0.04	0.08	0.04	-0.02	-0.02	-0.09	-0.05	0.00	-0.08	-0.06	0.07	-0.05	0.04	-0.06	-0.01	1.00	0.01	0.00	0.25	0.33	0.04	0.03	-0.00	0.03	0.01
PDPPM	0.32	0.11	0.10	-0.02	-0.03	-0.13	0.05	0.00	0.24	0.14	0.16	0.32	0.32	0.04	0.04	0.14	0.12	0.12	0.11	0.01	1.00	0.00	-0.04	0.06	0.18	-0.01	0.07	0.06	-0.01
PTPPM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SBPPM	0.07	-0.11	0.27	-0.09	0.03	-0.07	-0.10	-0.03	-0.01	0.01	0.02	0.16	-0.29	-0.04	-0.00	-0.03	-0.10	0.04	0.00	0.25	-0.04	0.00	1.00	0.14	-0.12	-0.01	-0.02	0.07	0.05
SKPPM	0.42	-0.49	0.01	0.14	-0.12	0.19	0.09	-0.07	-0.08	-0.19	-0.26	-0.09	-0.11	-0.17	0.03	-0.25	0.02	-0.22	-0.07	0.33	0.06	0.00	0.14	1.00	0.07	-0.02	-0.01	-0.04	-0.03
SRPPM	0.08	-0.05	-0.06	-0.03	0.39	0.04	0.65	0.14	0.36	0.13	0.11	0.04	0.29	0.24	0.37	-0.07	-0.02	0.19	0.06	0.04	0.18	0.00	-0.12	0.07	1.00	0.16	-0.01	0.15	-0.08
UPPM	-0.01	-0.04	0.01	-0.02	0.16	-0.02	0.17	0.14	-0.00	-0.03	0.04	-0.07	0.04	-0.01	0.42	0.02	0.03	0.01	0.04	0.03	-0.01	0.00	-0.01	-0.02	0.16	1.00	-0.00	0.12	0.01
WPPM	0.04	-0.02	0.05	0.18	0.01	-0.02	0.05	0.03	0.02	0.09	-0.03	-0.01	0.11	0.13	-0.02	0.09	0.07	0.07	0.01	-0.00	0.07	0.00	-0.02	-0.01	-0.01	-0.00	1.00	0.02	-0.00
ZNPPM	0.05	0.05	0.08	-0.07	0.34	-0.10	0.12	0.54	0.33	0.12	0.12	0.21	0.18	0.12	0.37	-0.03	-0.09	0.23	0.26	0.03	0.06	0.00	0.07	-0.04	0.15	0.12	0.02	1.00	-0.02
AUPPB	-0.03	-0.03	0.09	-0.05	0.01	0.06	-0.08	-0.03	-0.06	-0.02	0.02	-0.04	-0.06	0.01	-0.02	-0.03	-0.03	-0.05	-0.04	0.01	-0.01	0.00	0.05	-0.03	-0.08	0.01	-0.00	-0.02	1.00

CORRELATION MATRIX



LEGEND

- Rock Sample Location and Sample Number
- Stream Sediment Sample Location and Number
- Shallow Pit
- Adit
- Shaft
- Flagged grid line (50 m stations)
- Claim boundary and legal corner post
- Logging road
- Swamp
- 400 — Topographical contour interval 200 metres
- Creek
- Lake

R 56, 4150, 1.5, 2567 / 30 = Sample No. Au(ppb), Ag(ppm), Cu(ppm) / Sample width in cm.

GEOLOGICAL BRANCH ASSESSMENT REPORT

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GEOLOGICAL ASSOCIATION OF CANADA — P. D. LERICHE — FELLOW

0 200 400 600 800 1000 metres

FIG. 5

NAPIER EXPLORATIONS INC.

STAMP CLAIM GROUP
ALBERNI MINING DIVISION, B.C.

STREAM SEDIMENT & ROCK GEOCHEMISTRY MAP

Scale: 1:10000	Drawn: I.S./G.T. By: F.Y.
Date: June 1988	NTS 92F/2W,/W Map:

Ashworth Explorations Limited

1500W 1300W 1100W 900W 700W 500W 300W 100W 100E 300E 500E 700E 900E 1100E 1300E 1500E

4600N
4400N
4200N
4000N
3800N
3600N
3400N
3200N
3000N
2800N
2600N
2400N
2200N
2000N
1800N
1600N
1400N
1200N
1000N
800N
600N
400N
200N
0N

N

15 to < 25ppb Au

25+ ppb Au

0 500

metres

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P. D. LERICHE
FELLOW

FIG. 9

NAPIER EXPLORATIONS INC.

STAMP CLAIM GROUP

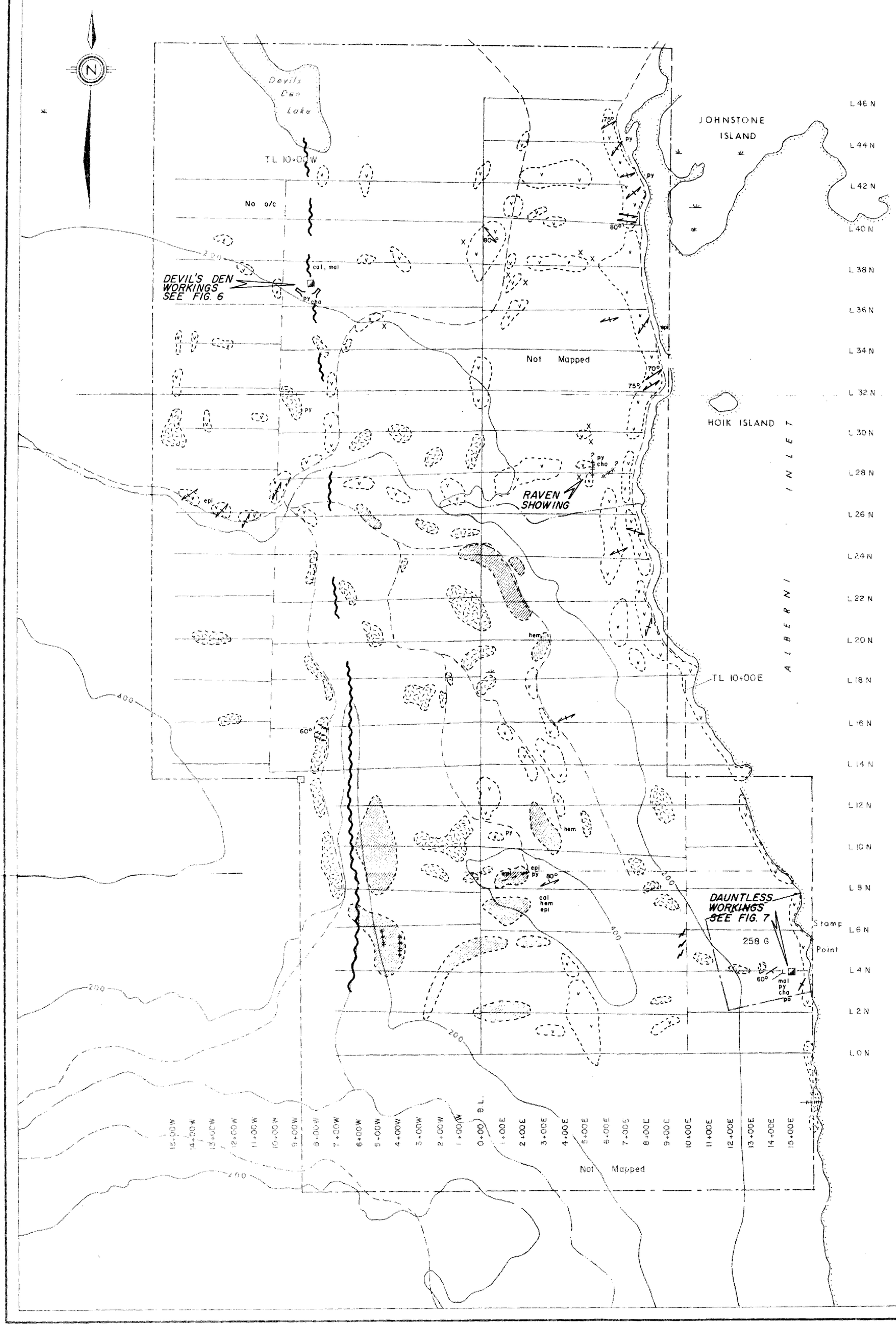
Alberni M.D. NTS 92F/2W & 7W

SOIL SAMPLE GEOCHEMISTRY
AU PPB

ASHWORTH EXPLORATIONS LIMITED

DATE: 9 June 1988 SCALE: 1 : 10,000

Drawn by: TONY CLARK CONSULTING



LEGEND

GEOLOGY

JURASSIC
ISLAND INTRUSIONS

- Granite, Granodiorite, Tonalite, Diorite (Float)

TRIASSIC
KARMUTSEN FORMATION

- Aphanitic andesite, aphanitic dacite
- Porphyritic andesite, porphyritic dacite.
- Altered metamorphosed volcanics (chlorite, epidote, iron oxide)

SYMBOLS

- Quartz, quartz calcite vein
- Strike and Dip (inclined, vertical)
- Fracture orientation (inclined, vertical)
- Fault (definite, approximate)
- Area of outcrop
- Shallow Pit
- Adit
- Shaft
- Flagged grid line (50 m stations)
- Claim boundary and legal corner post
- Logging road
- Swamp
- 400 Topographical contour interval 200 metres
- Creek
- Lake

ABBREVIATIONS

mal	malachite	hem	hematite
py	pyrite	epi	epidote
cha	chalcopyrite	cal	calcite
po	pyrrhotite		

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FELLOW

0 200 400 600 800 1000 metres

FIG. 4

NAPIER EXPLORATIONS INC.

STAMP CLAIM GROUP
ALBERNI MINING DIVISION, B.C.

PROPERTY GEOLOGY

Scale: 1:10000	Drawn: J.S/GT.	By: F.Y.
Date: June 1988	NTS 92F/2W,7W	Map:

Ashworth Explorations Limited

1500W 1300W 1100W 900W 700W 500W 300W 100W 100E 300E 500E 700E 900E 1100E 1300E 1500E

4600N
4400N
4200N
4000N
3800N
3600N
3400N
3200N
3000N
2800N
2600N
2400N
2200N
2000N
1800N
1600N
1400N
1200N
1000N
800N
600N
400N
200N
0N

N

400 AU ppb

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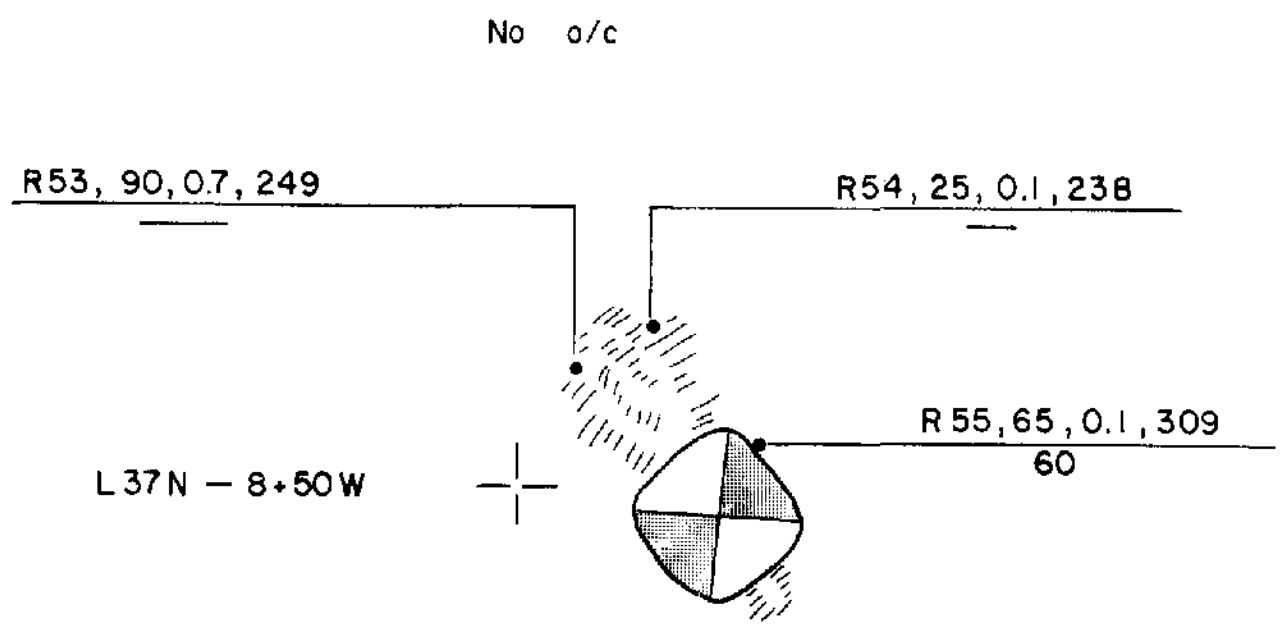
P. D. LERICHE
FELLOW

0 500
metres

FIG. 8

NAPIER EXPLORATIONS INC.
STAMP CLAIM GROUP
Alberni M.D. NTS 92F/2W & 7W
SOIL SAMPLE GEOCHEMISTRY
GOLD
ASHWORTH EXPLORATIONS LIMITED
DATE: 9 June 1988 | SCALE: 1 : 10,000
Drawn by: TONY CLARK CONSULTING



No o/c

Legend

- Rock Sample Location & Number
- Open Cut
- Shaft
- Quartz Vein
- Dump Rocks

R 56, 4150, 1.5, 2567 / 30 = Sample No. Au(ppb), Ag(ppm), Cu(ppm) / Sample width in cm.

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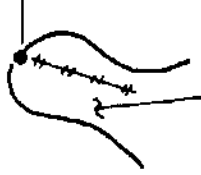
R 57, 125, 1.3, 289 / 30

SCALE 1:100

0 1 2 3 4 5 6 7 M

FIG. 6

R 56, 4150, 1.5, 2567 / 30



Altered Volcanics in an open cut

NAPIER EXPLORATIONS INC.

STAMP CLAIM GROUP
ALBERNI MINING DIVISION, B.C.

PLAN AND ASSAY RESULTS
DEVIL'S DEN WORKINGS

Scale: above	Drawn: G.T.	By: F.Y.
Date: JUNE, 1988	NTS: 92F/2W, 7W	Map:

Ashworth Explorations Limited

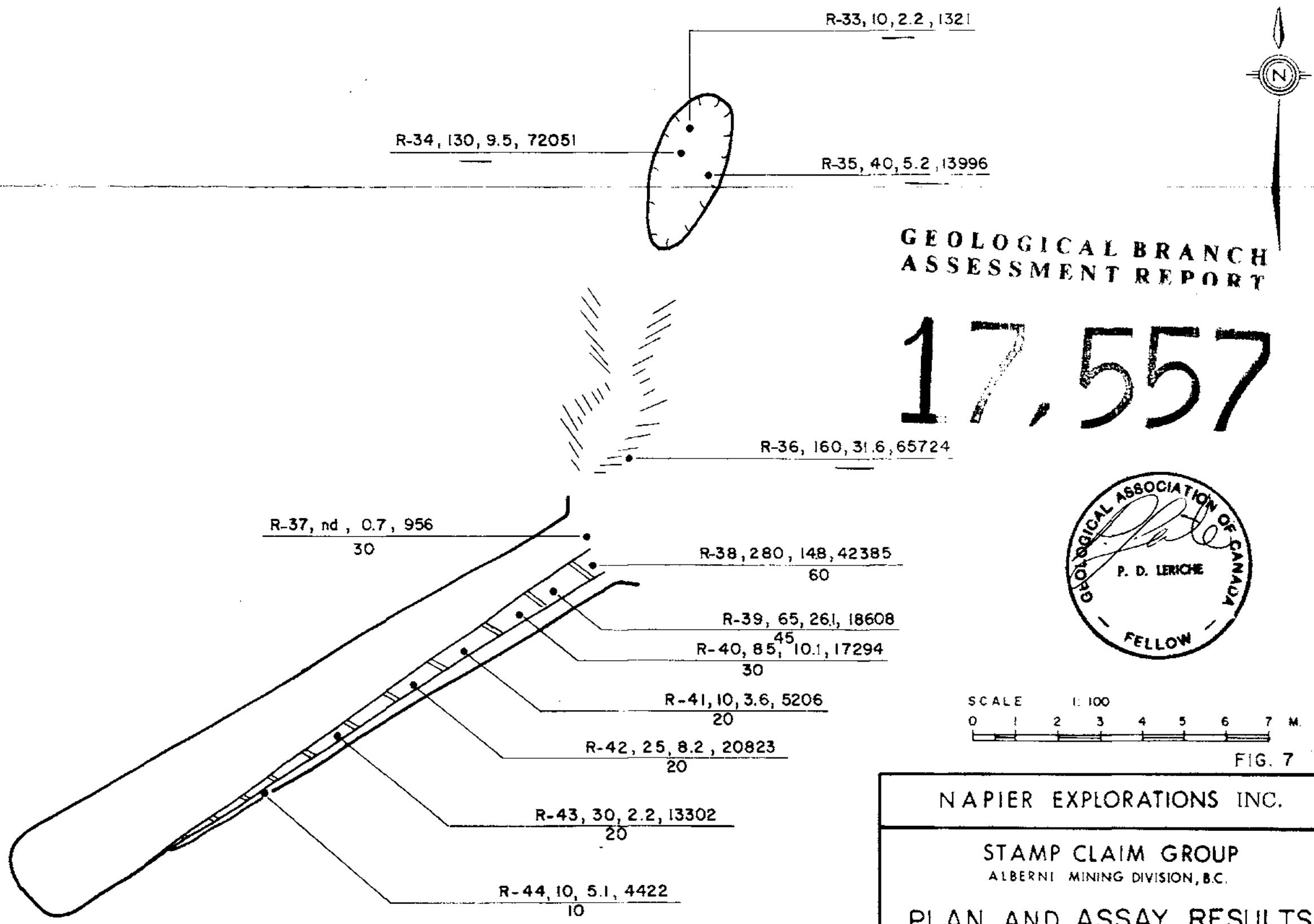
L4N 14+75E — L4N 14+85E

Depth: 8m.

Legend

- Grid Line
- Massive Sulphide rocks in open-cut
- Dump mineralized rocks
- Quartz calcite vein
- Shaft
- Adit

$\frac{\text{R-38, 280, 148, 42385}}{60} = \frac{\text{Sample No. Au(ppb), Ag(ppm), Cu(ppm)}}{\text{Sample width in cm.}}$



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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P. D. LERICHE
FELLOW

SCALE 1:100
0 1 2 3 4 5 6 7 M.

FIG. 7

NAPIER EXPLORATIONS INC.

STAMP CLAIM GROUP
ALBERNI MINING DIVISION, B.C.

PLAN AND ASSAY RESULTS
DAUNTLESS WORKINGS

Scale above	Drawn G.T.	By F.Y.
Date JUNE, 1988	NTS 92F/2W,7W	Map

Ashworth Explorations Limited

1500W 1300W 1100W 900W 700W 500W 300W 100W 100E 300E 500E 700E 900E 1100E 1300E 1500E

4600N
4400N
4200N
4000N
3800N
3600N
3400N
3200N
3000N
2800N
2600N
2400N
2200N
2000N
1800N
1600N
1400N
1200N
1000N
800N
600N
400N
200N
0N

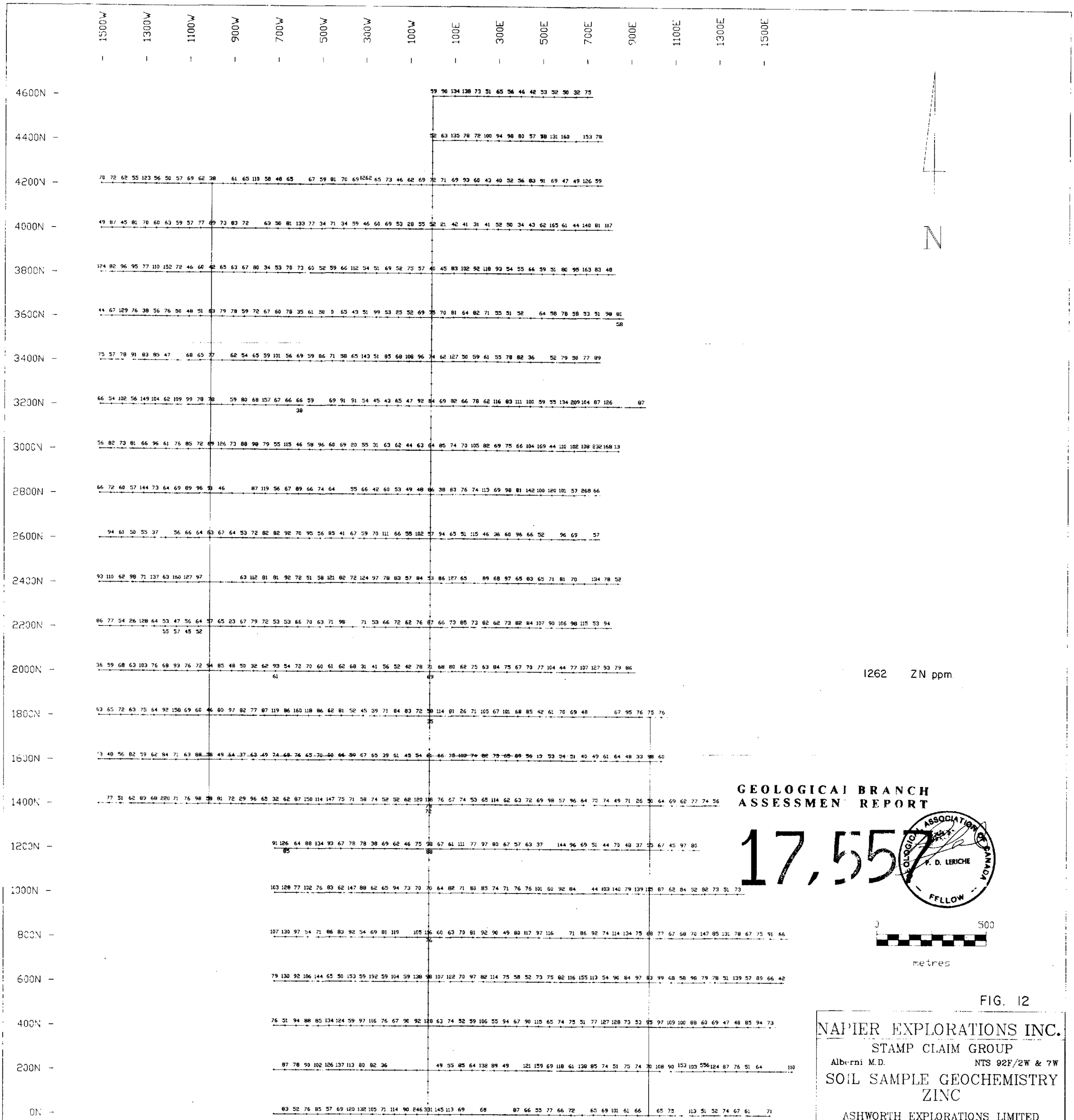
N

△ 110 to < 130ppm Zn
△ 130 to < 150ppm Zn
▲ 150+ppm Zn

0 500
metres

FIG. 13

NAPIER EXPLORATIONS INC.
STAMP CLAIM GROUP
Alberni M.D. NTS 92F/2W & 7W
SOIL SAMPLE GEOCHEMISTRY
ZN PPM
ASHWORTH EXPLORATIONS LIMITED
DATE: 9 June 1988 SCALE: 1 : 10,000
Drawn by: TONY CLARK CONSULTING



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ASSESSMENT REPORT

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P. D. LERICHE
FELLOW

FIG. 12

NAPIER EXPLORATIONS INC.
STAMP CLAIM GROUP
Alberni M.D. NTS 92F/2W & 7W
SOIL SAMPLE GEOCHEMISTRY
ZINC
ASHWORTH EXPLORATIONS LIMITED
DATE 9 June 1988 SCALE: 1 : 10,000
Drawn by: TONY CLARK CONSULTING

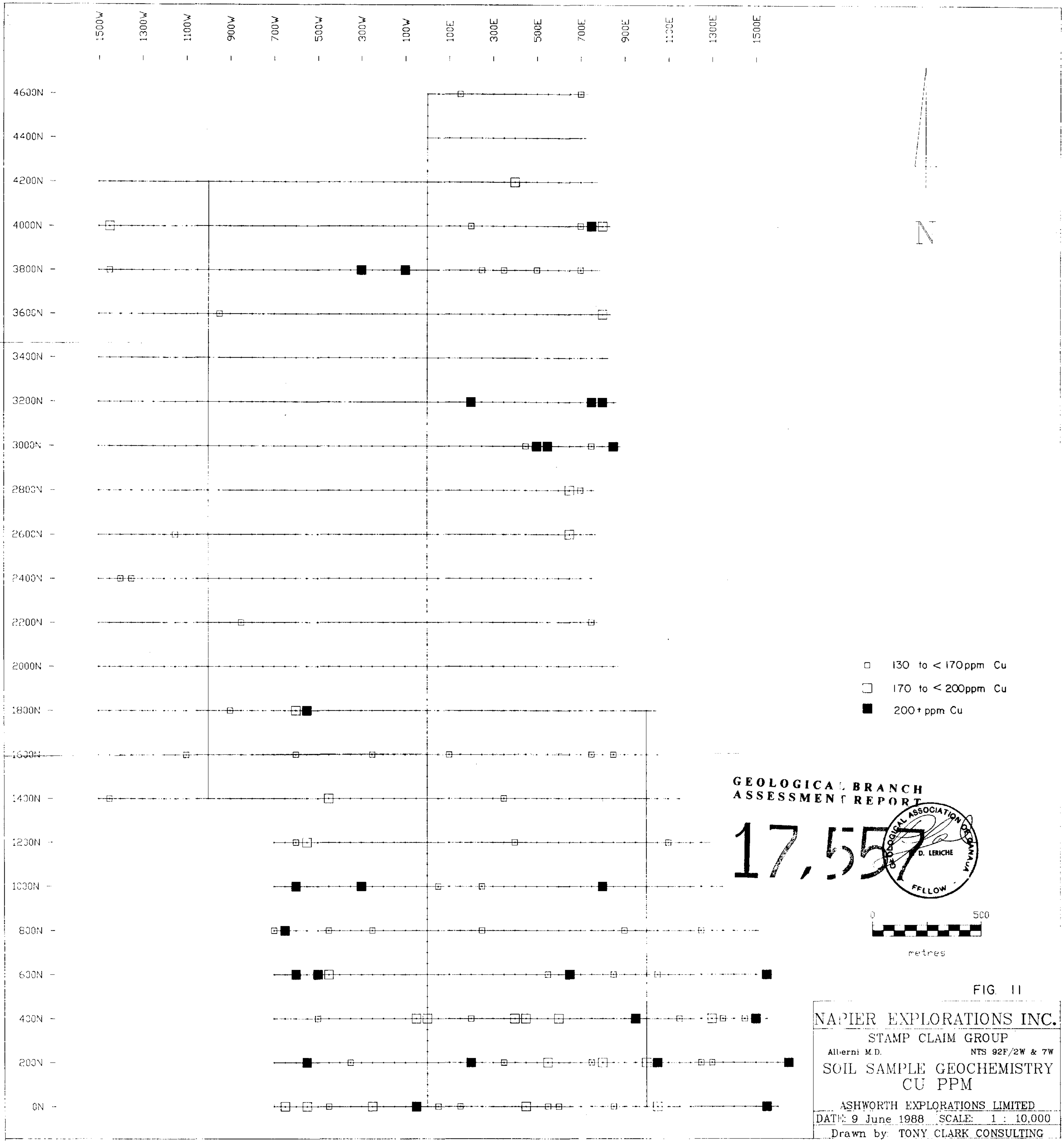
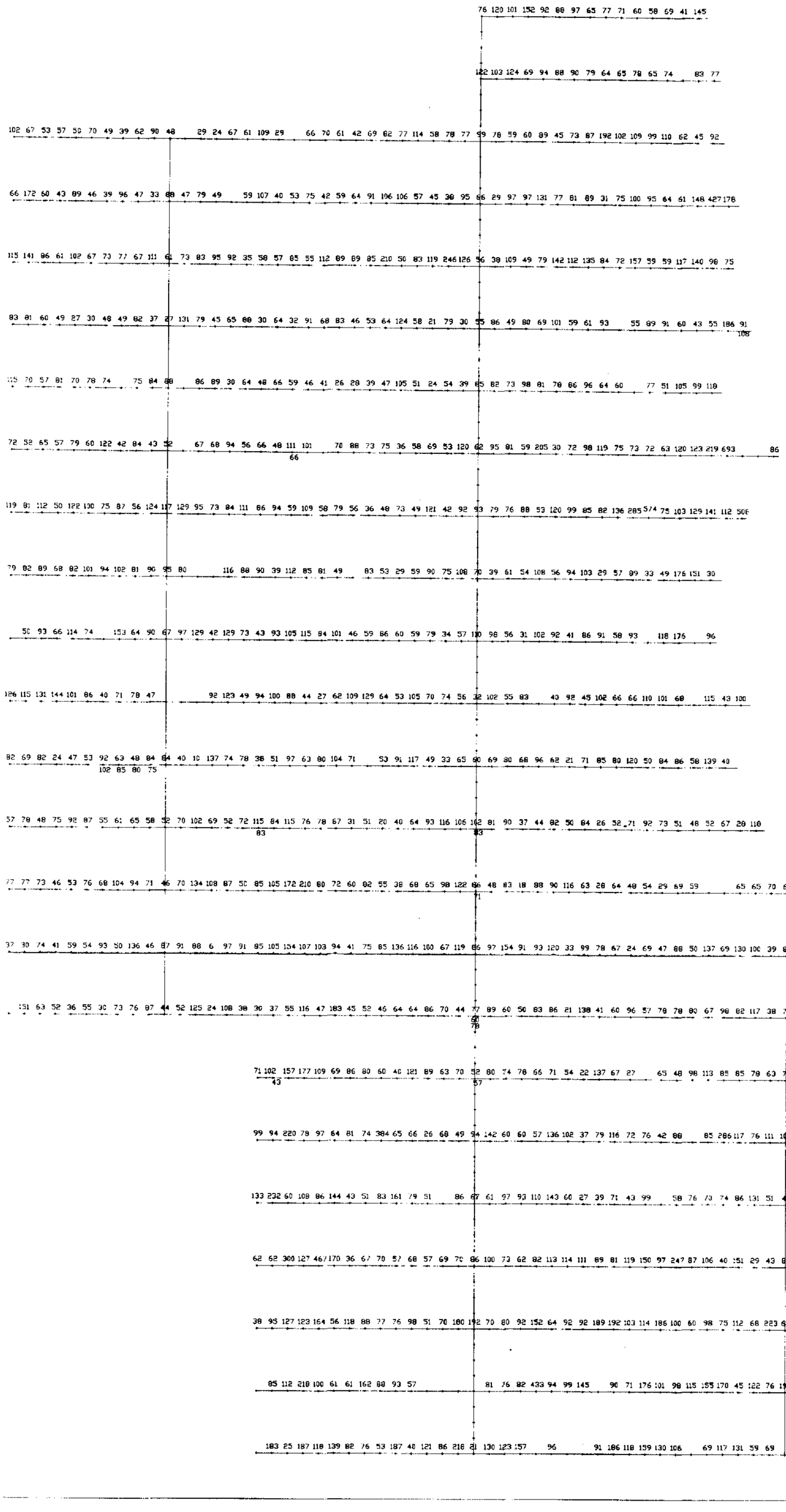


FIG. 11

NAPIER EXPLORATIONS INC.
STAMP CLAIM GROUP
Alberni M.D. NTS 92F/2W & 7W
SOIL SAMPLE GEOCHEMISTRY
CU PPM
ASHWORTH EXPLORATIONS LIMITED
DATE: 9 June 1988 SCALE: 1 : 10,000
Drawn by: TONY CLARK CONSULTING

1500W 1300W 1100W 900W 700W 500W 300W 100W 100E 300E 500E 700E 900E 1100E 1300E 1500E

4600N
4400N
4200N
4000N
3800N
3600N
3400N
3200N
3000N
2800N
2600N
2400N
2200N
2000N
1800N
1600N
1400N
1200N
1000N
800N
600N
400N
200N
0N



N

693 CU ppm

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FELLOW

0 500
metres

FIG. 10

NAPIER EXPLORATIONS INC.

STAMP CLAIM GROUP

Alberni M.D. NTS 92F/2W & 7W

SOIL SAMPLE GEOCHEMISTRY
COPPER

ASHWORTH EXPLORATIONS LIMITED

DATE: 9 June 1988 | SCALE: 1 : 10,000

Drawn by: TONY CLARK CONSULTING