GEOCHEMICAL AND GEOPHYSICAL SUMMARY REPORT

ON THE

EMPIRE GROUP OF CLAIMS
SKEENA MINING DIVISION
STEWART B.C.

NTS 104A4/W; 103P/13W

For:

PRIME EQUITIES INTERNATIONAL
1100-808 WEST HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

By:

John A. Nicholson, P.Geo.
Nicholson & Associates

Andris Kikauka, P.Geo.

Vancouver, B.C. September 26, 1994

SUMMARY

During the month of June,1994, Nicholson and Associates undertook a geochemical sampling and geophysical program on the Empire group of claims. The property is situtated 12 km northeast of Stewart B.C. and is held under option by Prime Resources International from KRL Resources. Prime Equities International is earning a 50% interest in the Empire Claim Group, part of the MM group of claims by paying $200,000 cash to KRL over three years; spending a minimum of $1,000,000 on exploration by September 31, 1996,(of which a minimum $225,000 is committed in 1994); and issue shares of Prime to KRL at a rate of 25,000 upon approval and 25,000 per year for each of the next three years. KRL is entitled to a net smelter return of up to 3% on the property. (Stock Watch news release, February 8th, 1994)

The property was optioned by Prime Equities International to cover favourable volcanic and sedimentary rocks of the Salmon River and Unuk River Formations which could possibly host precious metal deposits similar to American Barrick's Minerals Red Mountain deposit.

Geochemical and geophysical surveys undertaken on the property isolated several anomolous areas that warrant further follow up.

In the Empire Vein area, where the Empire Grid is centered, an isolated broad based coincidental multi-element geochemical soil anomoly measuring 300 x 75 meters with positive gold - copper correlation open to the south and to the west was found. Results are encouraging and trenching followed up with drilling is being recommended.

Proposed total expenditures for the Empire Grid would be $25,000.

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INTRODUCTION

During the month of June, Nicholson and Associateas undertook a program of soiling, and geophysics on the subject property which is located 12 km northeast of Stewart, B.C. A total of 397 soil samples were collected. A total of 3.5 kilometers of geophysical surveys consisting of V.L.F.- E.M.(Geonics EM-16) and 6.7 kilometers of Magnetometer (Unimag G-836) were done on the Empire Grid. The program was supervised by the author.

The purpose of the Stage one program was to see if other structural features other that the Empire Vein existed in the area.

Anomolus values were obtained in the vacintiy of the Empire vein and a $25,000 program of trenching and sampling is being recommended.

LOCATION AND ACCESS

The Empire Claim group, which makes up part of the MM Group of claims which Prime Equities International holds under option from KRL Resources consists of 58 contiguous mining claims. The claims are situated in the Skeena Mining Division, 12 kms. northeast of Stewart, B.C. (Fig. 1). The claims straddle the boundary of Maps NTS 104A/4W and 103P13/W near 56 degrees 01 minutes N latitude and 129 degrees 55 minutes W longitude.

The property is presently accessed mainly by helicopter and to a lesser extent by old horse trails on the lower parts of the property. A road from from the Trade West sorting ground up to the old Dunwell Mine provides access to within 400 meters of the southern property boundary.

PRIME EQUITIES INTERNATIONAL CORP.

EMPIRE / MM GROUP OF CLAIMS

Skeena Mining Division, B.C.

LOCATION MAP

NICHOLSON AND ASSOCIATES

SCALE : AS SHOWN	DRAWN BY : Luminai Drafting Ltd.	FILE : NICBC.DWG
DATE : SEPT 1994	REVISED :	FIGURE : 1

PROPERTY STATUS

Prime Equities International has entered into an agreement with KRL Resources wereby Prime Equities International can earn a 50% interest in the MM Group of claims by spending a minimum of $1,000,000 on exploration by December 31, 1996, (of which a minimum of $225,000 is committed in 1994); and by issuing 100,000 shares of Prime to KRL at a rate of 25,000 upon approval and 25,000 shares for each of the next three years. KRL is entitled to a net smelter return at various rates up to 3% on the property. The Empire Claim group, which makes up part of the MM Group, consists of 58 metric units. (fig 2) The groups of claims is as follows; (appendix 1)

EMPIRE GROUP (claims staked on behalf of KRL Resources Corp. in 1993)

Claim Name	Tenure#	# of Units	Expiry Date
Pick 1	319203	1	June 26, 1996
Pick 2	319204	1	June 26, 1996
Pick 3	319205	1	June 26, 1996
Pick 4	319206	1	June 26, 1996
Gato 1	318558	12	June 26, 1996
Gato 2	318559	9	June 26, 1996
Gato 3	318560	9	June 26, 1996
Gato 4	318561	9	June 26, 1996
Au #1	321633	15	Oct. 18, 1996

TOTAL UNITS 58

(Some claim units may in part overstake older claims)

TOPOGRAPHY, VEGETATION and CLIMATE

The topography on the Empire claim block varies from 50 meters to 1500 meters above . The terrain is variable. Gentle alpine conditions to sub-alpine conditions can be found throughout the property. However sections, overlooking the major drainages on the property such as Bitter Creek and Glacier Creek have pitches which range from 15 degrees up to near vertical rock faces.

Vegetation on the property is variable. Sub-alpine and alpine vegatation is generally found above the 1000 meter level. Below this, tall stands of over mature Hemlock, Fir and Sitka Spruce are abundant. Underbrush in the form of slide alder, tag alder and ferns is very thick, making movement difficult.

Water on the property is plentiful in the form of mountain lakes and mountain creeks which run year round.

The climate on the property is typical coastal weather with heavy precipitation year round. Snowfall and snow coverage is varible and is dependant on the elevation. Snowfall on the property averages between 350 and 500 centimeters. As a result access is limited from mid May to mid October for the higher elevations. The lower elevations can be accessed year round with limited difficulty.

HISTORY

Over the past one hundred years, the Stewart Camp has been a major producer of both precious and base metals. Between 1910 and 1992 it has had over 50 producing mines which have produced in excess of 2 million ounces of gold, 50 million ounces of silver, and over 100 million pounds of Cu-Pb-Zn. Presently there are two active mines in the area, both operating on a limited bases.(figure 3)

Activity in the vicinity of the property first began in the late 1800's. Placer miners arrived in the valley and started to operate placer mines on various creeks in the area. Subsequent discoveries on Bitter Creek and Glacier Creek led to the staking and granting of several crown granted claims. Several small "High Grade" mines opened up as a result of this staking. However they were short lived due to the boom/bust economic cycle of the "Roaring 1920's/1930's Great Depression".

Previous exploration in the vicinty of the property includes: Emperor Mines 1923-27, Gold Bar No. 1 Claim 1920's, L & L Group 1919-28, Lakeview Mines 1906-28, Mayflower Group 1918-30, Ore Mountain Mining Co. 1925-28, Ruth and Francis Group 1912-27, Silver Bow Group 1906, Dunwell Mines Ltd. Ben Ali Mine 1920-32, Sunbeam Mineral Claims 1920's, Sunshine Group 1918-25, Superior Mines 1925, Stewart Central 1930's, Tyee 1909-20. Limited work was undertaken throughout the property until 1980 when Doug Hopper and Associates staked the MM group of claims for Kingdom Resources Limited, now known as KRL Resources.

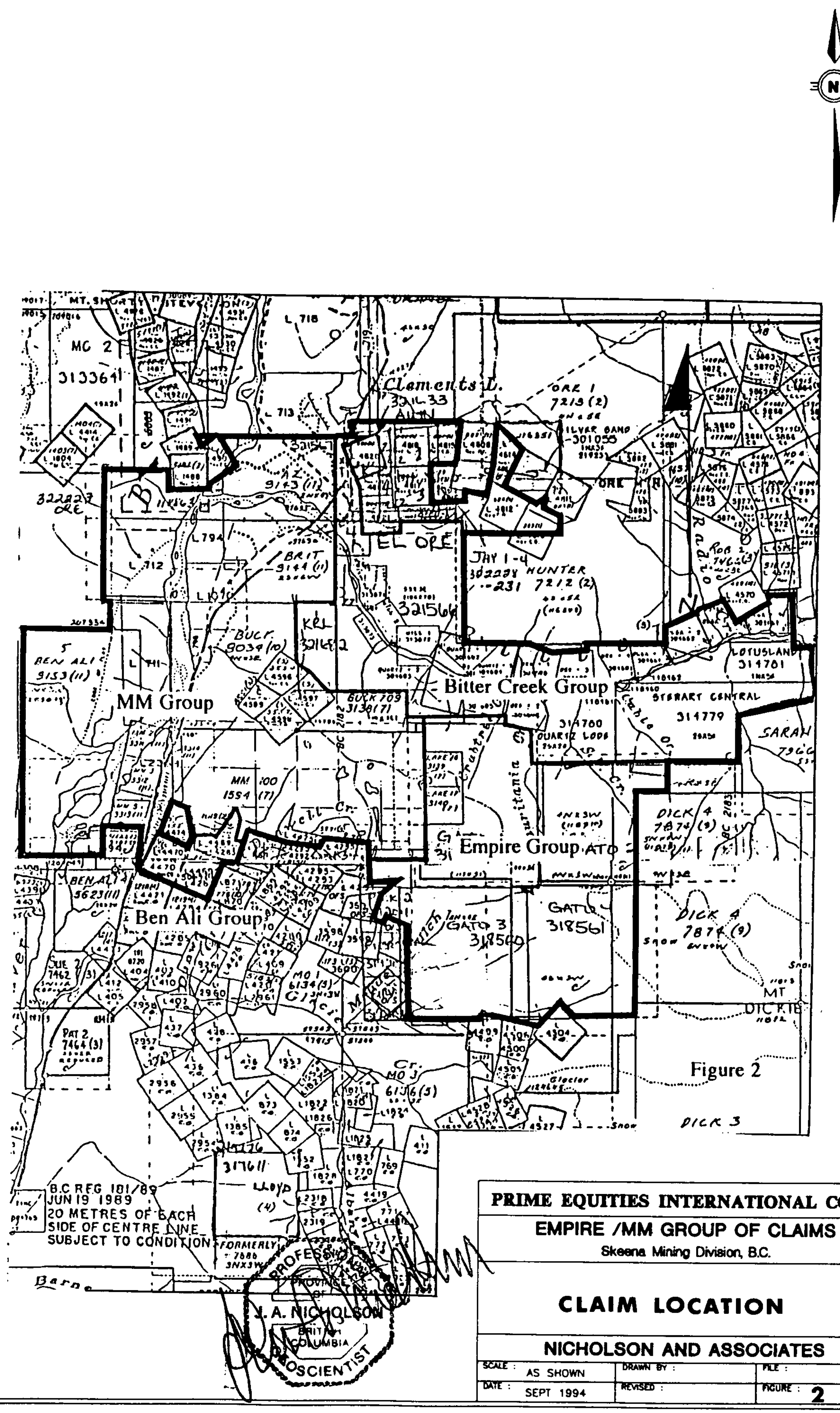
Work on the property has been extensive. It has been limited to veins and shears which have seen both underground and surface exploration methods. Several of the showings have been owned and operated by a variety of operators, which has resulted in limited work being reported. This is seen on veins such as the Superior and Empire Veins. Recent work undertaken by KRL Resources and its predecessor company Kingdom Resources Ltd., consisted of an airborne geophysical survey and limited geochemical sampling.

Adjacent to the Empire claim block, American Barrick is exploring Red Mountain for precious metals. The newly discovered Au-Ag deposit is situated 12 kilometers south-southwest of the Empire claim block at the headwaters of Bitter Creek. The deposit, has drill proven reserves of 2.8 million tons, grading 0.37 oz/ton gold. It occurs at a sedimentary - volcanic contact which has been intruded by the Early Jurassic Goldslide and Hillside intrusives with related hornblende feldspar porphyry dykes of varying composition. Mineralization consists mainly of semi-massive to massive, medium to coarse grained pyrite and/or stringer which contain varying amounts of chalcopyrite, pyhrrotite and sphalerite. Gold occurrances in the system are zoned and higher values are associated with coarse pyrite and lesser chalcopyrite (1-30 meters wide), which is characterized by adjacent pyrrhotite-sphalerite mineral zones (5-25 meters wide). Current reserves are based on extrapolated diamond drill hole data from the Marc and AV zones which are traced horizontally and vertically for about 600 meters (Smit, H. 1994, personal communication).

Westmin Resouces is presently operating their Premier Gold Project from development work on the No. 6 level of the Silbak-Premier deposit as well as Tenajon's SB deposit several km. to the north. The Silbak-Premier has a recorded production in excess of 2 million ounces Au, 40 million ounces Ag, and 100 million pounds of Pb-Zn from about 5 million tons of ore. Production from two distinct breccia and vein stockwork trends, the Main and West zones, came from ore shoots distributed along a combined strike length of 1,600 meters. However 80% of the production was recovered from within 500 meters of the intersection of these two trends. The intersection area contained the widest ore shoots (up to 20 meters) and those with the highest Au-Ag grades (Alldrick, D.J., 1993).

Dunwell Mines, located 400 meters south of the Victoria workings, produced 10,000 ounces Au, 330,000 ounces Ag, and 5 million pounds Pb-Zn from 50,000 tons of ore. Quartz-calcite breccia fissure veins contain galena, dark-brown sphalerite, pyrite, chalcopyrite, as well as minor tetrahedrite, argentite, and ruby silver. North-northeast trending, moderate to steep west dipping veins are found along the Portland Canal Fissure zone, hosted by Salmon River Fm. argilaceous graphitic siltstone, which unconformably overlie Unuk River Fm. conglomerates and volcanic breccias and are intruded by augite porphyry and cross-cutting hornblende-granodiorite dyke swarms (Grove, E.W., 1971)..

Prosperity/Porter Idaho Mines produced 2,329,000 ouinces of silver from a modest 31,884 tons of ore processed. Production from stopes was generally confined to quartz vein swells and bulges where galena-sphalerite-tetrahedrite-polybasite-native Ag mineralization was concentrated. Oreshoots were generally steeply plunging and appear to be controlled by slight vein flexures (Grove, E.W.,1971).



PRIME EQUITIES INTERNATIONAL CORP.

EMPIRE /MM GROUP OF CLAIMS

Skeena Mining Division, B.C.

CLAIM LOCATION

NICHOLSON AND ASSOCIATES

SCALE : AS SHOWN	DRAWN BY :	FILE :
DATE : SEPT 1994	REVISED :	FIGURE : 2

TABLE 15
MINE PRODUCTION AND ORE RESERVES IN THE STEWART MINING CAMP
(To January 1, 1992)

Property	Minfile No.	Date	Past Production (tonnes)	Reserves (category)	Au g/t	Ag g/t	Pb %	Zn %	Cu %	WO_3 %
EAST GOLD	104B 033	1939-1954	44		1207.00	3 313.00	4.80	1.30	0.07	
SCOTTIE GOLD	104B 034	1981-1985	197 522		16.50	16.00				
		1985(U)		132 000 (g)	19.20	17.00				
		1990(U)		28 992 (m)	18.51					
SPIDER	104A 010	1925, 1933-1936	22.2		14.20	8 238.00	3.50	3.90		
MARTHA ELLEN	104B 092	1987		1 576 449 (g)	2.26	27.43				
SILVER TIP	104B 043	1915, 1950, 1951, 1957	26		11.80	2 610.00	14.00	19.00		
		1956(U)		816 (g)	4.80	970.30	4.20	6.20		
NORTHSTAR	104B 146	1987		47 078 (g)	4.29	20.57				
S-1	104B 084	1987		1 209 709 (g)	2.71	7.20				
		1990	304 000		2.40	10.00				
		1991		800 000 (g)	2.20	10.00				
CREEK	104B 086	1987		7 529 (g)	2.40	116.23				
BIG MISSOURI	104B 046	1938-1942	768 943		2.37	2.13				
DAGO HILL	104B 045	1934, 1950	14		48.00	3 952.00	0.46		0.12	
		1987		557 141 (g)	2.54	38.06				
		1988-1989	384 000		1.20	10.00				
		1991		150 000 (g)	1.20	10.00				
PROVINCE	104B 147	1987		286 734 (g)	2.43	12.69				
		1990	33 300		2.46	21.88				
		1991		100 000 (g)	1.50	20.00				
SILVER BUTTE	104B 150	1991(U)		96 209 (m)	9.91	65.90	0.67	3.85	0.32	
		1991(U)		279 387 (g)	17.31	36.69				
		1991	102 539		8.89	55.50				
INDIAN	104B 031	1925, 1952	12 870		3.40	119.70	4.40	5.50		
SILBAK PREMIER (includes SEBAKWE and B.C. SILVER)	104B 054, 104B 153, 104B 155	1919-1953, 1959-1968,	4 276 714		13.00	274.00	0.66	0.20		
		1989(O)		6 500 000 (m)	2.16	80.23				
		1990(O)		3 388 900 (m)	2.51	67.73				
		1990(U)		851 000 (m)	7.50	34.84				
		1991(O)		945 000 (m)	2.80	41.30				
		1988-1991	1 060 593		2.27	67.00				
		1992(U+O)		4 900 000 (g)	2.00	20.00				
RIVERSIDE	104B 073	1925, 1927, 1941-1950	26 437		2.89	102.10	3.90		0.13	0.12
DUNWELL	103P 052	1926-1941	45 710		6.72	224.40	1.83	2.43	0.03	
UNITED EMPIRE	103P 050	1925 1934, 1936	163		2.10	1 136.70	7.40			
MOLLY B	103P 085	1940, 1941	290		2.36	12.01			0.72	
SILVERADO	103P 088	1927	13			3 662.40				
PROSPERITY/ PORTER IDAHO	103P 089	1922 1924-1932, 1938, 1939, 1947, 1950, 1981	27 268		1.00	2 692.97	5.10	0.03	0.10	
		1989(U)		826 400 (g)		668.50	2.50	2.50		

U = underground
O = open pit

g = geological
m = mineable

PROFESSIONAL
PROVINCE OF
J.A. NICHOLSON
BRITISH COLUMBIA
GEOSCIENTIST

PRIME EQUITIES INTERNATIONAL CORP.

EMPIRE /MM GROUP OF CLAIMS

Skeena Mining Division, B.C.

PAST PRODUCTION, STEWART

NICHOLSON AND ASSOCIATES

SCALE : AS SHOWN	DRAWN BY :	FILE :
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REGIONAL GEOLOGY

The MM Group of claims lies within the Stewart Mining camp of the Salmon River map area. The property lies close to the boundary between the Intermontaine Belt and the Coast Plutonic complex of the Canadian Cordillera. The property lies in the southern part of the Stikine Arch, a late Paleozoic to Mesozoic assemblages of volcanic and sedimentary rocks. The Stikine Arch stretches from Anyox to Atlin, and east to Telegraph Creek around the northern edge of the Bowser Basin.(Figure 4a/4b Wheeler and McFeely, 1987) reproduces part of the regional geology map. The MM group of claims is located at the contact between the Unuk River Formation to the west and the Salmon River Formation to the east, both of the Jurassic Hazelton Group.(Figure 5) Cutting the formations are the Eocene Bitter Creek granodiorite, Hyder quartz monzonite, and Glacier Creek augite porphyry. As a result of the emplacement of these Eocene stocks and dyke swarms, the Unuk river and Salmon River Formations form a fold/fault complex. The most evident features of this Eocene fold/fault complex are the Portland Canal Fissure Zone, which attains widths up to 500 meters and strikes northeasterly on the property, and the Portland Canal Dyke Swarms which strikes northwesterly to northerly. (Livegard and Cavey, 1994)

Within the Stikine Arch, Triassic rocks are found only in the Iskut and Unuk River area. Named the Stuhini /Takla Group (Alldrick , 1993) these rocks are dominantly intermediate volcanics and sediments and host several deposits in the area, namely (the Snip, Stonehouse, Inel, and Granduc).

Triassic rocks are unconformably to gradationally overlain by the Lower to Middle Jurassic Hazelton Group. Grove (1986) divided the Jurassic Hazelton into four major lithostratigraphic divisions: the Unuk River Formation (Early Jurassic), the Betty Creek and Salmon River Formations (Middle Jurassic), and the Nass Formation (Late Jurassic). Anderson and Thorkelson (1990) do not include the Nass Formation, which includes the Bowser Basin sediments. The Hazelton Group is dominated by island arc volcanics which are the source rocks for much of the Bowser Basin sediments. Anderson and Thorkelson (1990) do recognize a reginally mappable unit (the Mt. Dilworth Formation) between the Betty Creek Formation and the Salmon River Formation.

The Unuk River Formation is characterized by basal pyroclastic flows that are

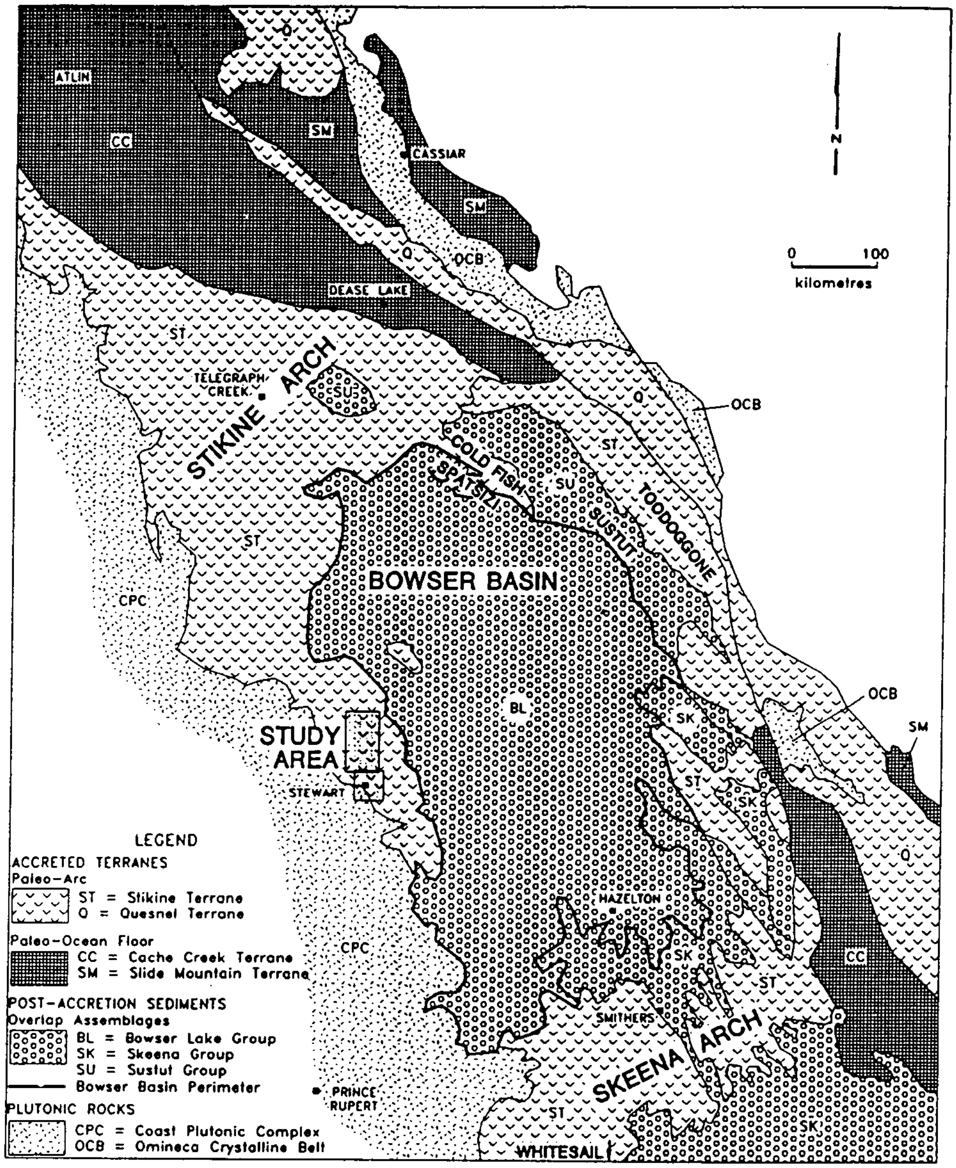
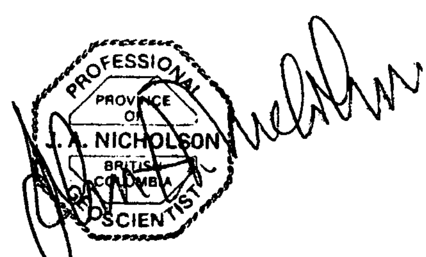


Figure Tectonic elements of northern British Columbia (modified from Wheeler and McFeely, 1987).



PRIME EQUITIES INTERNATIONAL CORP.

EMPIRE /MM GROUP OF CLAIMS

Skeena Mining Division, B.C.

TECTONIC REGIONAL GEOLOGY

NICHOLSON AND ASSOCIATES

SCALE : AS SHOWN	DRAWN BY :	FILE :
DATE : SEPT 1994	REVISED :	FIGURE : 4A

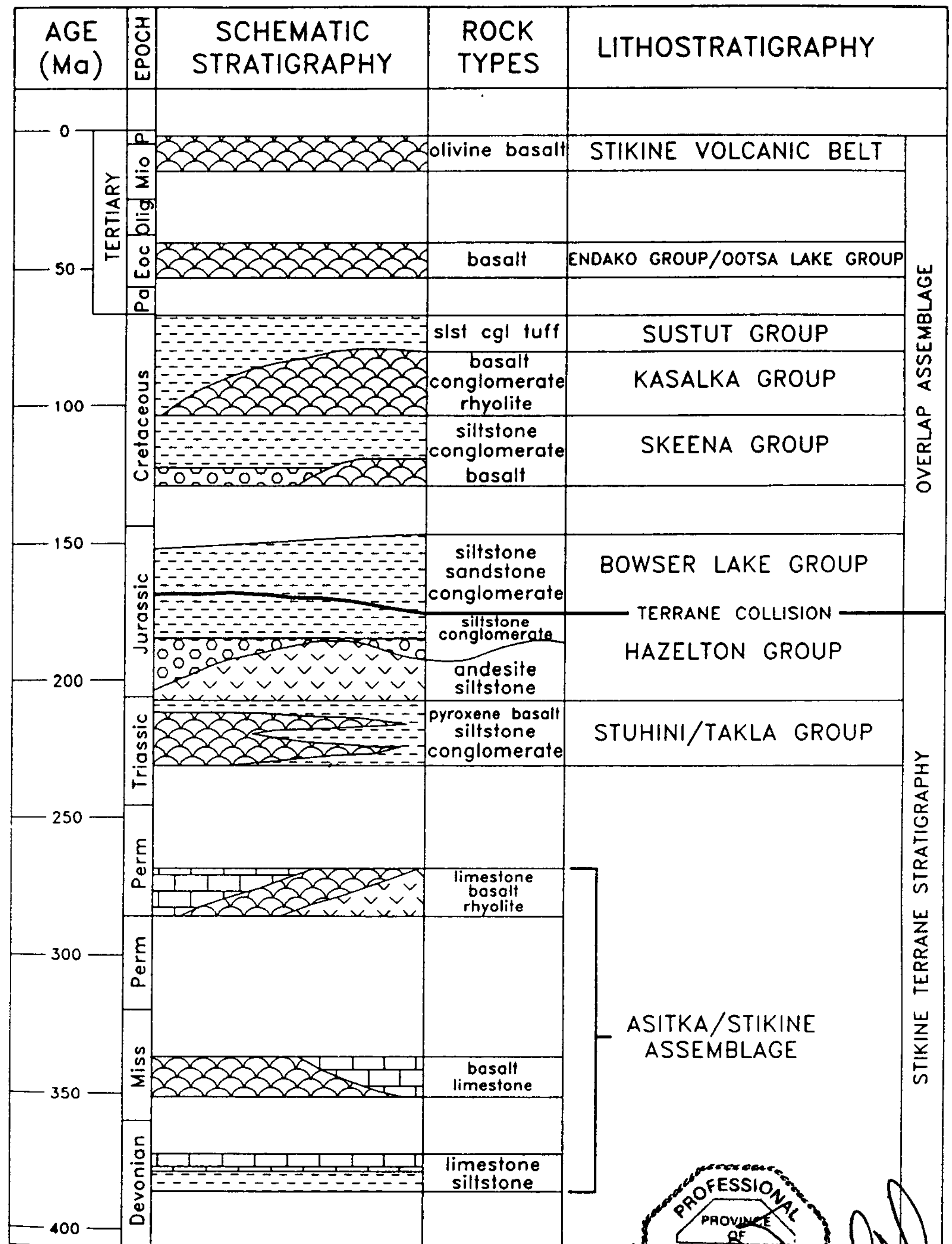


Figure Stratigraphy of Stikinia and younger overlap assemblages.

PROFESSIONAL
PROVINCE OF BRITISH COLUMBIA
A. NICHOLSON
GEOSCIENTIST

PRIME EQUITIES INTERNATIONAL CORP.

EMPIRE /MM GROUP OF CLAIMS

Skeena Mining Division, B.C.

REGIONAL KEY

NICHOLSON AND ASSOCIATES

SCALE : AS SHOWN	DRAWN BY :	FILE :
DATE : SEPT 1994	REVISED :	FIGURE : **4B**

progressively overlain by tuffs, argillites, local andesitic breccia and finally conglomerates with interbedded tuffs, wackes, siltstones and minor carbonate lenses.

The Betty Creek Formation unconformably overlies the Unuk River Formation and is comprised of maroon to green volcanic siltstone, greywacke, conglomerate, breccia, basaltic pillow lavas, andesitic flows and some carbonate lenses.

The Mt. Dilworth Formation, recognized in the Iskut-Unuk River region, consists of tuff breccia, felsic tuff, ash tuff, and argillaceous sediments.

The Salmon River Formation conformably to unconformably overlies the Betty Creek Formation and the Mt. Dilworth Formation. It consists of intensely folded, colour banded siltstones and lithic wackes with locally occurring calcarnite and volcanic components.

At the end of the Middle Jurassic the volcanic complex was uplifted and detritus shed from the Stikine Arch into the adjacent Bowser Basin. The Nass Formation outcrops mainly along the western part of the basin and represents primarily deltaic accumulation of material consisting of conglomerate, and calcareous siltstone.

These volcanics and sedimentary sequences were subsequently intruded by Middle Jurassic to Early Tertiary granitoid intrusions associated with the Coast Plutonic Complex. The intrusions can be an important source for localizing mineralization.

Late stage (Quaternary) basaltic volcanism resulted in deposits of columnar basaltic flows, ash and tephra layers, and cinder cones, that are relatively rare in the southern part of the Stikine Arch. Pleistocene and Recent glaciation has eroded and or covered much of this volcanism.

PROPERTY GEOLOGY

Local geology on the property is largely covered by a thick mat of vegetation with moderate to steep topography. As a result outcrop is limited to the sub-alpine to alpine regions, and to knolls, gullies and ravines. Lower reaches of the property are covered in alluvium making mapping difficult. Outcroppings observed on the on the property consist mainly of undivided clastic and volcanic rocks of the Salmon River Formation (C.J.Greig, 1993). On the western most boundary, undivided clastic and volcanoclastic rocks of the Lower to Middle(?) Jurassic Unuk River Formation and Tertiary intrusions of the Bitter Creek Monzonite suite cut throughout the property and in many instances obliviate surrounding country rock. Lamprophyric dykes and andesitic dykes of the Portland Canal Dyke Swarm also occur throughout the property. Several Feldspar Porphyry Dykes of varying composition occur primarily in the Bitter Creek area.

STRUCTURAL GEOLOGY

Structural geology features on the property are varying. The outcroppings found on the property indicate a general dip towards the west. The dips range from 45-90 degress, the later representing dykes which are found throughout the property. The strikes on many of the outcroppings vary from 040 to 150 degrees.

Air photo interpretation of the area (Livegard and Cavey, 1994) indicate several linements which have a trend from 000 to 140 degrees. Ground examination of these trends have found that the linements coincide with areas of major dyking and with areas of known mineralization.

Lead isotope and fabric element studies (Aldrick, 89, 91, 93) have shown Jurassic and Tertiary structural events are related to mineralization in the Stewart Camp. An eastward - descending subduction zone, situated well west of the Stikine Arch resulted in regional low grade metamorphism (greenschist facies) which occured in the Middle Cretaceous. This corresponds to a period of large scale folding (Alldrick, D.J., 1993).

Tertiary structural events were found to occur along structural breaks of 000 and 040 dgrees. Jurassic structural events were found to occur along a structural break of 140 - 160 degrees. Both structural events are seen on the MM group of claims.

MINERALIZATION

Mineralization which was observed on the property is limited to open cuts, trenches and old adits which have exposed various veins. The veins varied in size from a few centimeters to 5-10 meters as observed in the vicinty of the Empire Vein. Sulfides in the veins consisted mainly of medium to coarse grained pyrite which occurred semi-massive to massive. Inclusions of chalcopyrite, galena, sphalerite and arsenopyrite also occurred as fine to medium grained disseminations.

GEOCHEMICAL SAMPLING RESULTS

During the month of June, 1994 a total of 397 soil samples were collected by crews of Nicholson & Associates on the Empire Grid.

The Empire grid measured 1200 meters by 1200 meters. The baseline, which runs due north - south, was tight chained and picketted. Pickets were placed every 25 meters. The picketes were marked with orange flagging and aluminum tags. Each tag had the station marked on it and was stapled to the picket. Cross lines were run due east - west with sample stations every 25 meters. Cross line stations were marked with orange flagging.and marked with black felt pen. A total of 397 soil samples were collected from the Empire Grid.

Soil samples were obtained by both shovel and mattock. These were needed to dig through the thick forested mat and humus throughout the property. Average depth of the soils collected was 30 cm. The soils collected from the Empire Grid were well developed and consisted of brown to orange brown "B" horizon. All soil samples were collected in brown kraft sample bags and dried.

Soil samples obtained off of the Empire Grid were sent to XRAL Laboratories in Don Mills, Ontario.

All samples were analyzed for 32 elements by Induced Coupled Plasma analyser (I.C.P.) with an FA finish for gold. (see Appendix 2 for analysis technique)

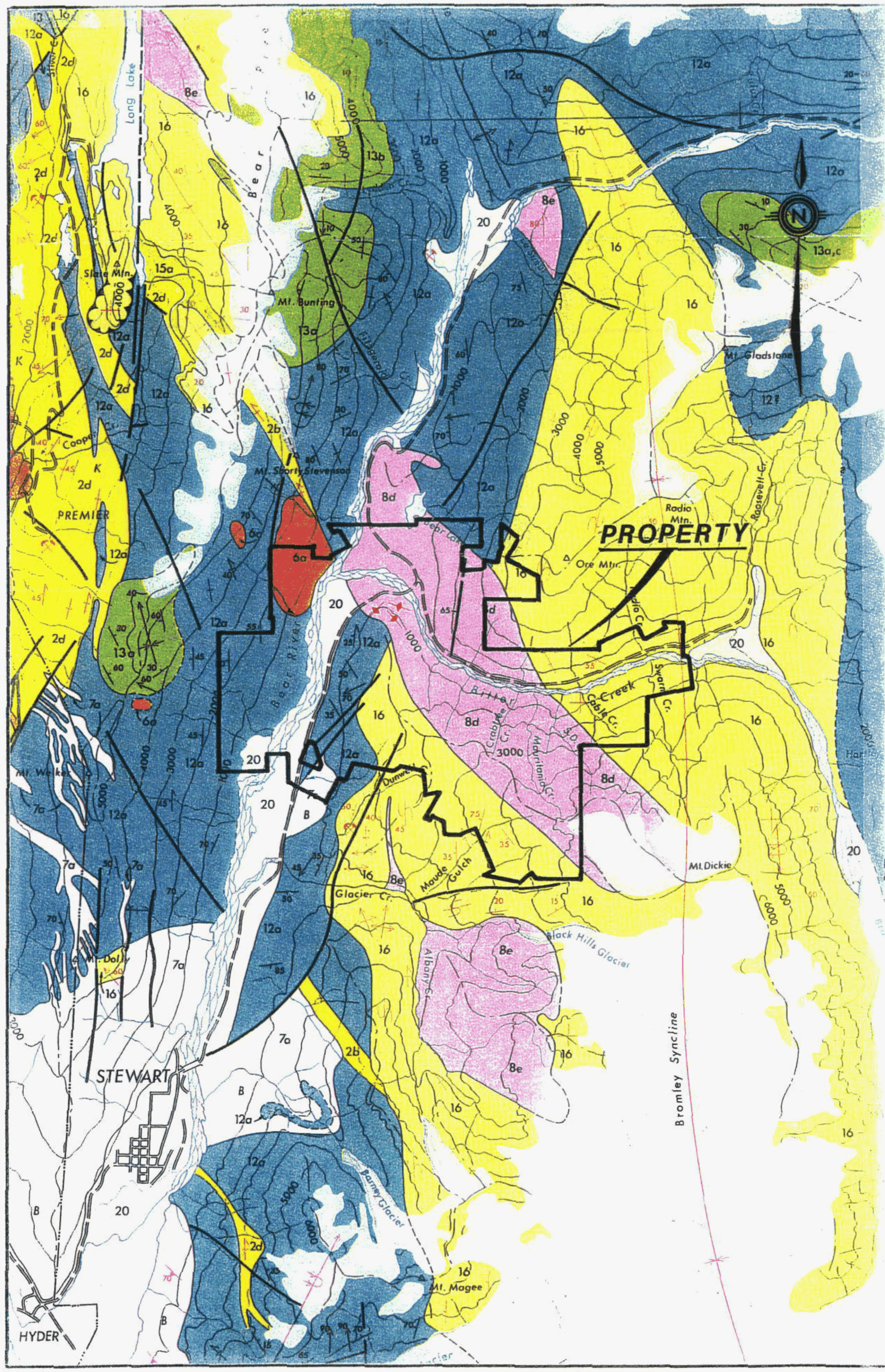
Statistical analysis was performed on the soil samples to determine relative anomolous thresholds for Au, Ag, Pb, Zn, Cu, As.

EMPIRE GRID

Soil sampling on the Empire grid revealed a northeast trending 300 X 75 meter Au-Cu anomaly which is open to the south and west. This Au-Cu (figures 7a/7c) anomaly is located 50 -100 meters west of the old Empire Mine adits and coincides with an area that was previously mapped as chert. The trench area near the grid baseline (26+00 S to 28+00 S) gave elevated As-Ag-Zn (figures 7f/b/e) values. Several other anomolous spot highs (figure 7d) were also found on the grid. However, the size of these anomolous areas were small and appear to be limited.(Appendix 3)

Statistical information on the soils from the Empire is given below:

ELEMENT	MEAN	STD. DEVIATION	ANOMALY THRESHOLD
Au (ppb)	29	19	48
Ag	1.2	1.0	2.2
Cu	41	58	99
Pb	18.2	15.4	33.6
Zn	95	276	370
As	27	106	133



SEDIMENTARY AND VOLCANIC ROCKS

CENOZOIC

QUATERNARY

RECENT

20 — UNCONSOLIDATED DEPOSITS; RIVER FLOODPLAIN, ESTUARINE, RIVER CHANNEL AND TERRACES, ALLUVIAL FANS, DELTAS AND BEACHES, OUTWASH, GLACIAL LAKE SEDIMENTS, TILL, PEAT, *LANDSLIDES, VOLCANIC ASH, HOTSPRING DEPOSITS*

19 — BASALT FLOWS (a), CINDERS, ASH (b)

PLEISTOCENE AND RECENT

18 — BASALT FLOWS

MESOZOIC

JURASSIC

HAZELTON GROUP

UPPER JURASSIC

NASS FORMATION

17 — *SILTSTONE, GREYWACKE, SANDSTONE, SOME CALCARENITE, ARGILLITE*, CONGLOMERATE, MINOR LIMESTONE, MINOR COAL (INCLUDING EQUIVALENT SHALE, PHYLLITE, AND SCHIST)

MIDDLE JURASSIC

SALMON RIVER FORMATION

16 — SILTSTONE, GREYWACKE, SANDSTONE, SOME CALCARENITE, MINOR LIMESTONE, ARGILLITE, CONLOMERATE, LITTORAL DEPOSITS

15 — RHYOLITE, RHYOLITE BRECCIA; CRYSTAL AND LITHIC TUFF

BETTY CREEK FORMATION

14 — PILLOW LAVA, BROKEN PILLOW BRECCIA (a); ANDESITIC AND BASALTIC FLOWS (b)

13 — GREEN, RED, PURPLE, AND BLACK VOLCANIC BRECCIA, CONLOMGERATE, SANDSTONE, AND SILTSTONE (a); CRYSTAL AND LITHIC TUFF (b); SILTSTONE (c); MINOR CHERT AND LIMESTONE (INCLUDES SOME LAVA (+14)) (d)

LOWER JURASSIC

UNUK RIVER FORMATION

12 — GREEN, RED, AND PURPLE VOLCANIC BRECCIA, CONGLOMERATE, SANDSTONE, AND SILTSTONE (a); CRYSTAL AND LITHIC TUFF (b); SANDSTONE (c); CONGLOMERATE (d); LIMESTONE (e); CHERT (f); MINOR COAL (g)

11 — PILLOW LAVA (a); VOLCANIC FLOWS (b)

TRIASSIC

UPPER TRIASSIC

TAKLA GROUP (?)

10 — SILTSTONE, SANDSTONE, CONGLOMERATE (a); VOLCANIC SILTSTONE, SANDSTONE, CONLOMGERATE (b); AND SOME BRECCIA (c); CRYSTAL AND LITHIC TUFF (d); LIMESTONE (e)

PLUTONIC ROCKS

CENOZOIC

OLIGOCENE AND YOUNGER

9 — DYKES AND SILLS (SWARMS), DIORITE (a); QUARTZ DIORITE (b); GRANODIORITE (c); BASALT (d)

EOCENE (STOCKS, ETC.) AND OLDER

8 — QUARTZ DIORITE (a); GRANODIORITE (b); MONZONITE (c); QUARTZ MONZONITE (d); AUGITE DIORITE (e); FELDSPAR PORPHYRY (f)

7 — COAST PLUTONIC COMPLEX: GRANODIORITE (a); QUARTZ DIORITE (b); QUARTZ MONZONITE, SOME GRANITE (c); MIGMATITE – AGMATITE (d)

KILOMETRES

MESOZOIC

JURASSIC

MIDDLE JURASSIC AND YOUNGER ?

6 — GRANODIORITE (a); DIORITE (b); SYENODIORITE (c); MONZONITE (d); ALASKITE (e)

LOWER JURASSIC AND YOUNGER ?

5 — DIORITE (a); SYENOGABBRO (b); SYENITE (c)

TRIASSIC

UPPER TRIASSIC AND YOUNGER ?

4 — DIORITE (a); QUARTZ DIORITE (b); GRANODIORITE (c)

HORNBLENDE PREDOMINANT ....H
BIOTITE PREDOMINANT ....B

METAMORPHIC ROCKS

JURASSIC

2 — HORNFELS (a); PHYLLITE, SEMI-SCHIST, SCHIST (b); GNEISS (c); CATACLASITE, MYLONITE (d); TACTITE (e)

SYMBOLS

- ADIT
- ANTICLINE (NORMAL, OVERTURNED)
- BEDDING (HORIZONTAL, INCLINED, VERTICAL, CONTORTED)
- BOUNDARY MONUMENT
- CONTOURS (INTERVAL 1,000 FEET) — 5000
- FAULT (DEFINED, APPROXIMATE)
- FAULT (THRUST)
- FAULT MOVEMENT (APPARENT)
- FOLD AXES, MINERAL LINEATION (HORIZONTAL, INCLINED)
- FOSSIL LOCALITY
- GEOLOGICAL CONTACT (DEFINED, APPROXIMATE)
- GLACIAL STRIAE
- GRAVEL, SAND, OR MUD
- HEIGHT IN FEET ABOVE MEAN SEA LEVEL — •6234'
- INTERNATIONAL BOUNDARY
- JOINT SYSTEM (INCLINED, VERTICAL)
- MARSH
- MINING PROPERTY
- RIDGE TOP
- SCHISTOSITY (INCLINED, VERTICAL)
- SYNCLINE (NORMAL, OVERTURNED)
- TUNNEL

PROFESSIONAL
PROVINCE
J. A. NICHOLSON
SCIENTIST

PRIME EQUITIES INTERNATIONAL CORP.

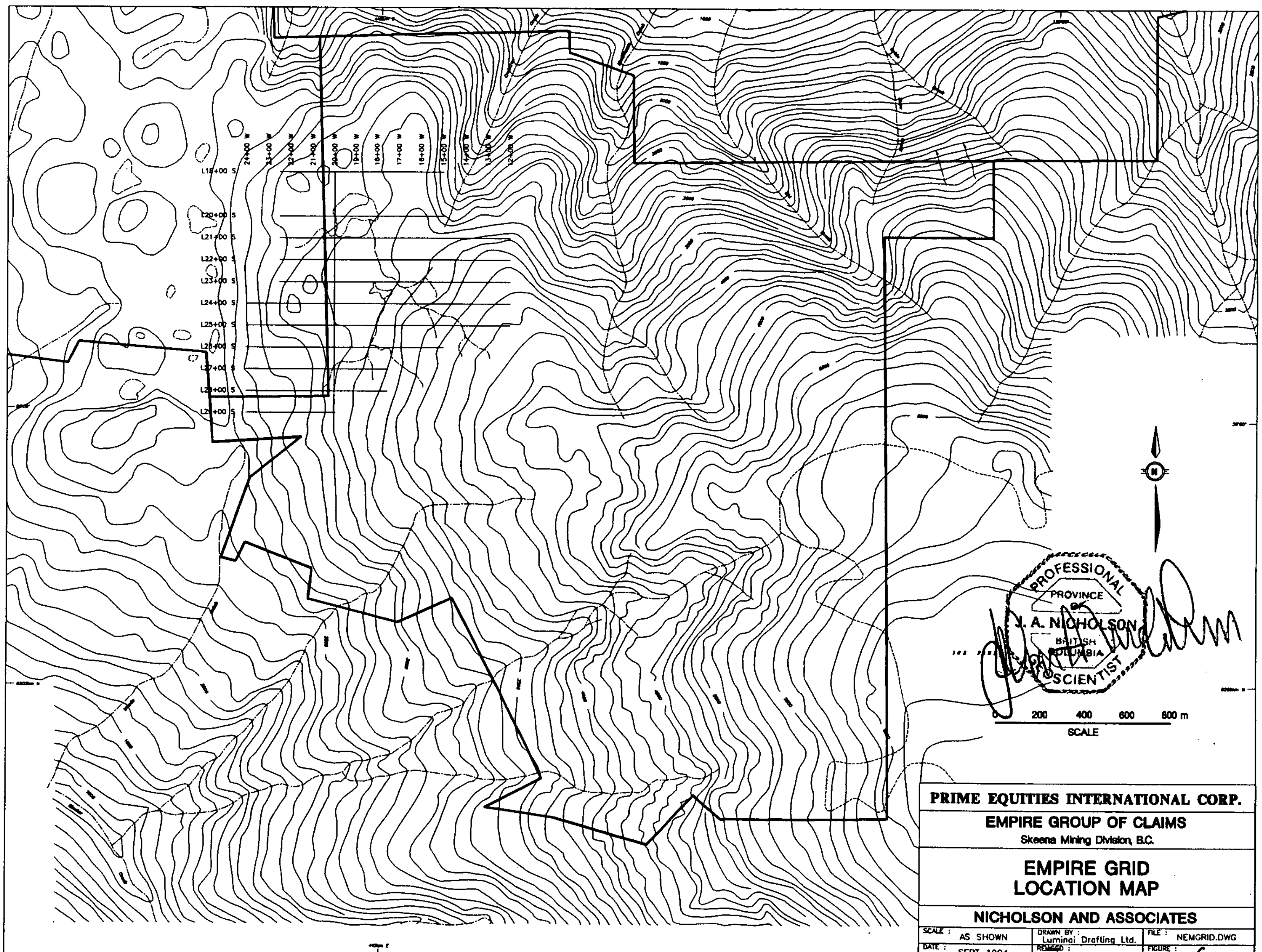
MM GROUPS OF CLAIMS

SKEENA MINING DIVISION, B. C.

REGIONAL GEOLOGY

Nicholson & Assoc.

DATE:	SCALE:	FIGURE:
MARCH, 1994	1: 100,000	5



PRIME EQUITIES INTERNATIONAL CORP.

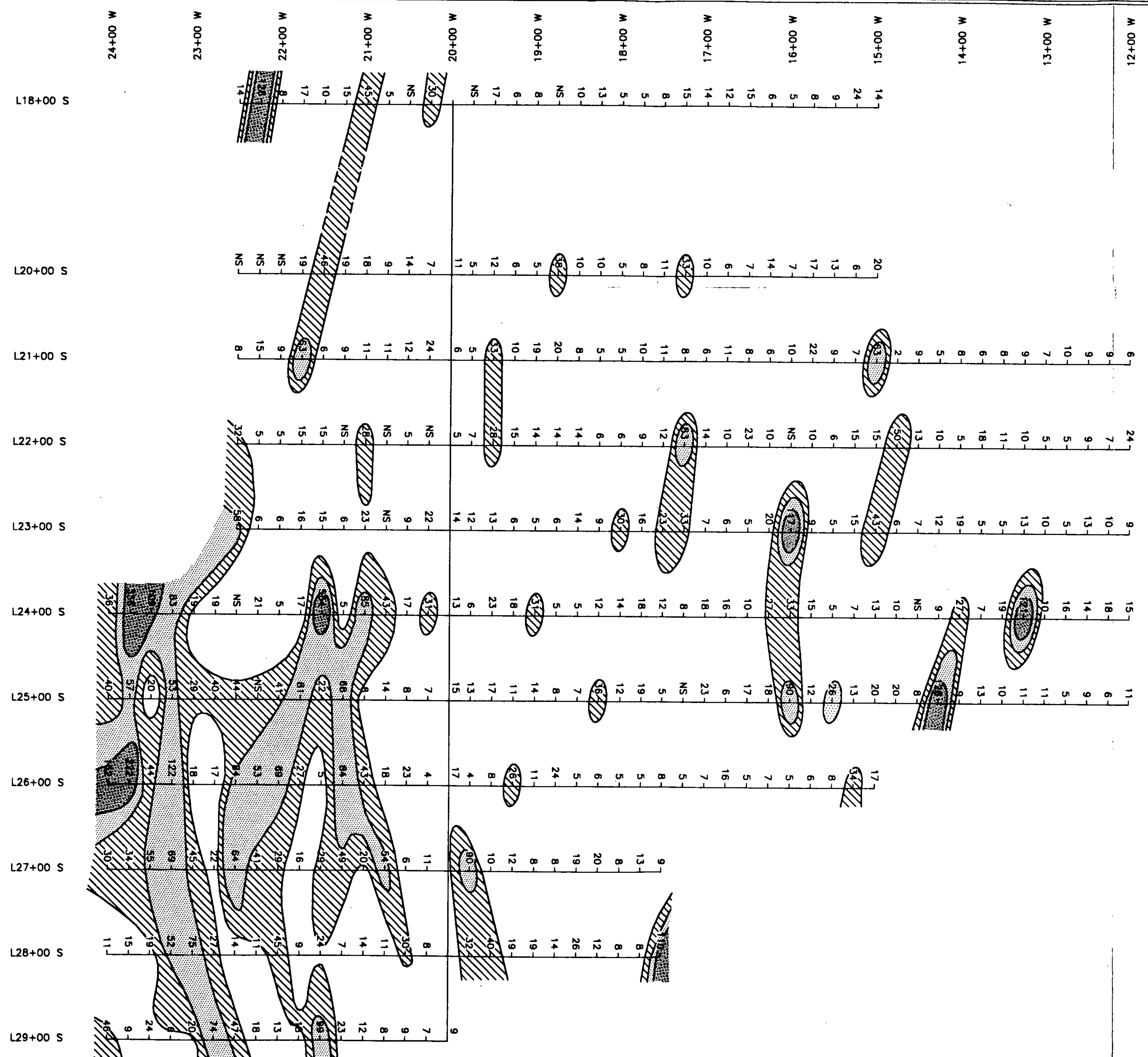
EMPIRE GROUP OF CLAIMS

Skeena Mining Division, B.C.

EMPIRE GRID LOCATION MAP

NICHOLSON AND ASSOCIATES

SCALE :	AS SHOWN	DRAWN BY :	Luminai Drafting Ltd.	FILE :	NEMGRID.DWG
DATE :	SEPT 1994	REVISED :		FIGURE :	6



LEGEND

n = 300
x̄ = 18.8
STD = 22.29
anomalous ≈ 50 ppb

Contours : >25 ppb
>50 ppb
>100 ppb

PROFESSIONAL
PROVINCE OF
A. NICHOLSON
BRITISH COLUMBIA
SCIENTIST

0 50 100 150 200 250 m
SCALE

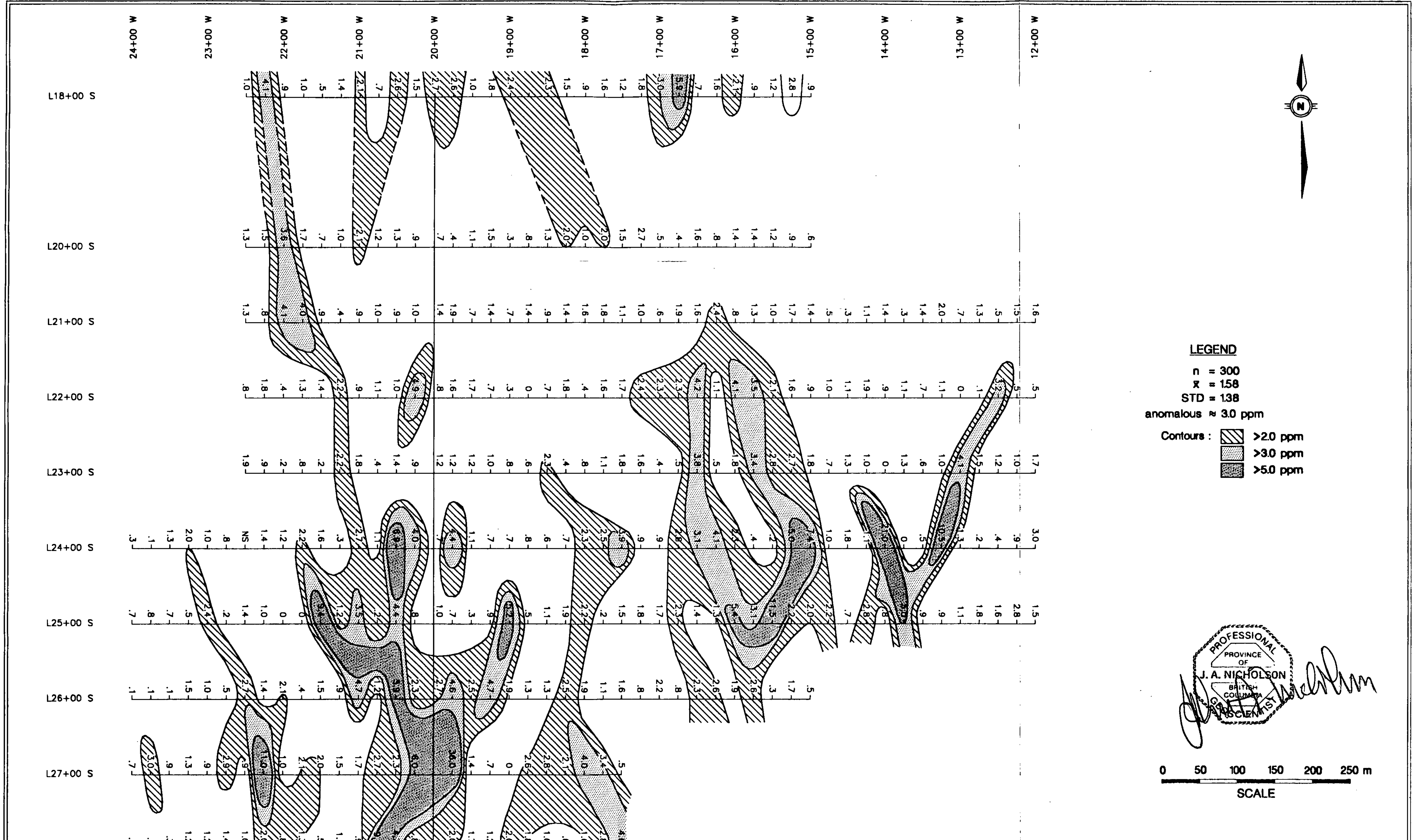
PRIME EQUITIES INTERNATIONAL CORP.

EMPIRE / MM GROUP OF CLAIMS
Skeena Mining Division, B.C.

SOIL GEOCHEMISTRY
EMPIRE GRID - GOLD (ppb)

NICHOLSON AND ASSOCIATES

SCALE : 1 : 5,000	DRAWN BY : Luminai Drafting Ltd.	FILE : EMAU.DWG	
DATE : SEPT 1994	REVISED :	FIGURE : 7A	



PRIME EQUITIES INTERNATIONAL CORP.

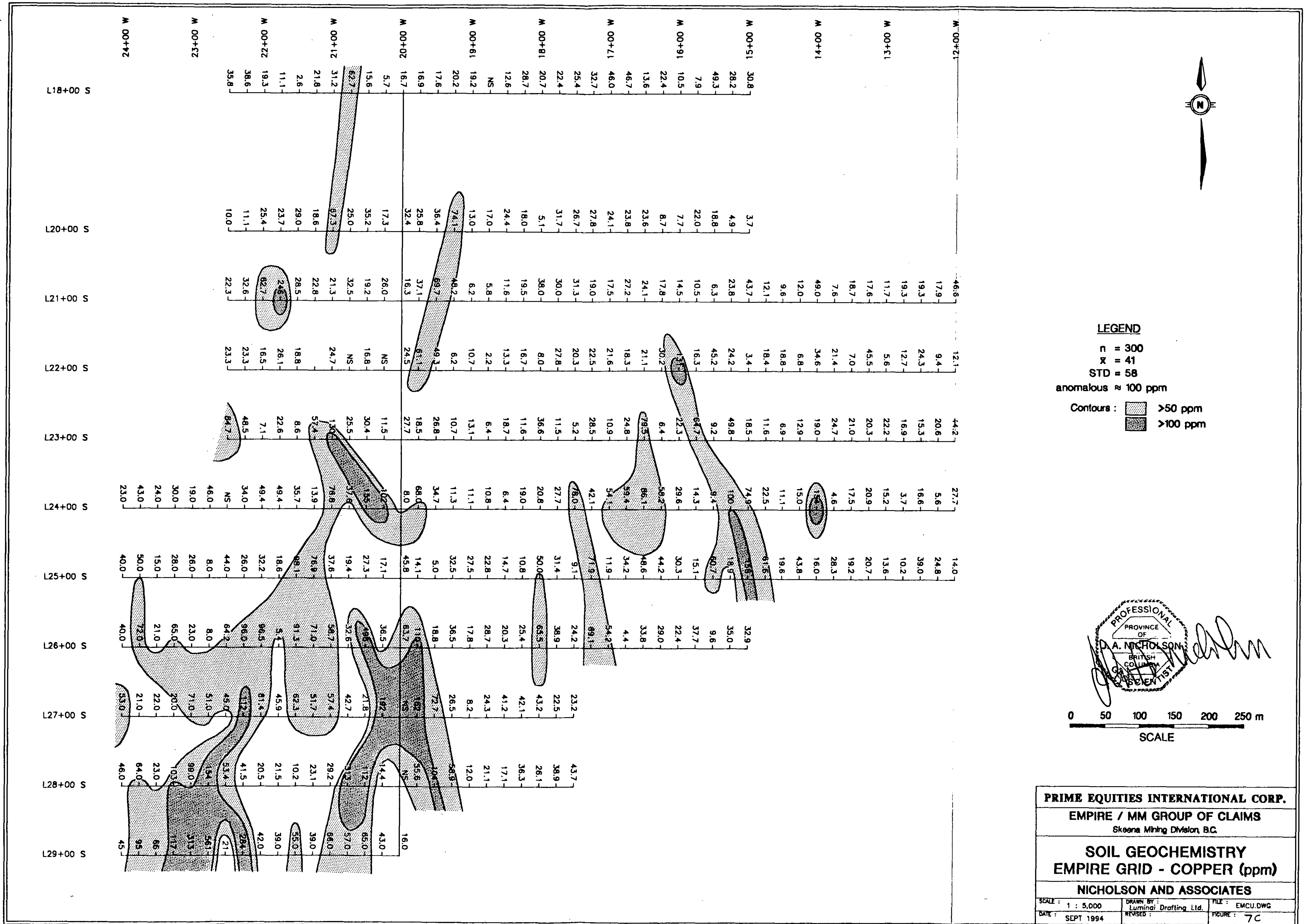
EMPIRE / MM GROUP OF CLAIMS

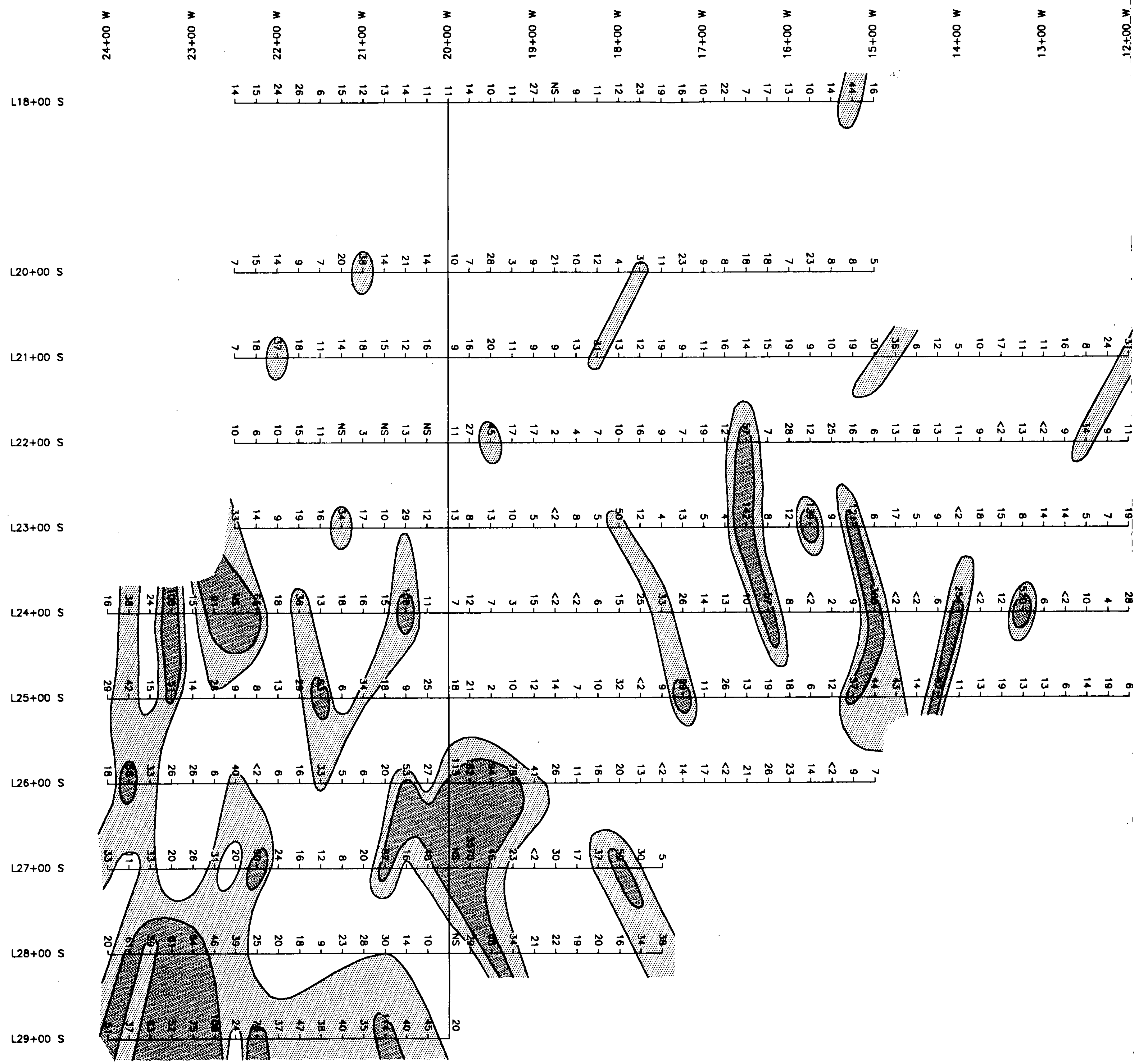
Skeena Mining Division, B.C.

SOIL GEOCHEMISTRY
EMPIRE GRID - SILVER (ppm)

NICHOLSON AND ASSOCIATES

SCALE : 1 : 5,000	DRAWN BY : Luminai Drafting Ltd.	FILE : EMAG.DWG	
DATE : SEPT 1994	REVISED :	FIGURE : 7B	


L18+00 S
L20+00 S
L21+00 S
L22+00 S
L23+00 S
L24+00 S
L25+00 S
L26+00 S
L27+00 S
L28+00 S
L29+00 S
N
LEGEND
n = 300
x̄ = 41
STD = 58
anomalous ≈ 100 ppm
Contours :
>50 ppm
>100 ppm
PROFESSIONAL
PROVINCE OF
D. A. NICHOLSON
BRITISH COLUMBIA
GEOSCIENTIST
0 50 100 150 200 250 m
SCALE
PRIME EQUITIES INTERNATIONAL CORP.
EMPIRE / MM GROUP OF CLAIMS
Skeena Mining Division, B.C.
SOIL GEOCHEMISTRY
EMPIRE GRID - COPPER (ppm)
NICHOLSON AND ASSOCIATES
SCALE : 1 : 5,000
DRAWN BY : Luminai Drafting Ltd.
FILE : EMCU.DWG
DATE : SEPT 1994
REVISED :
FIGURE : 7C



LEGEND

n = 300
x̄ = 18.2
STD = 15.4
anomalous ≈ 33.6 ppm

Contours : >30 ppm
>50 ppm

0 50 100 150 200 250 m
SCALE

PROFESSIONAL PROVINCE OF BRITISH COLUMBIA — A. NICHOLSON — GEOSCIENTIST

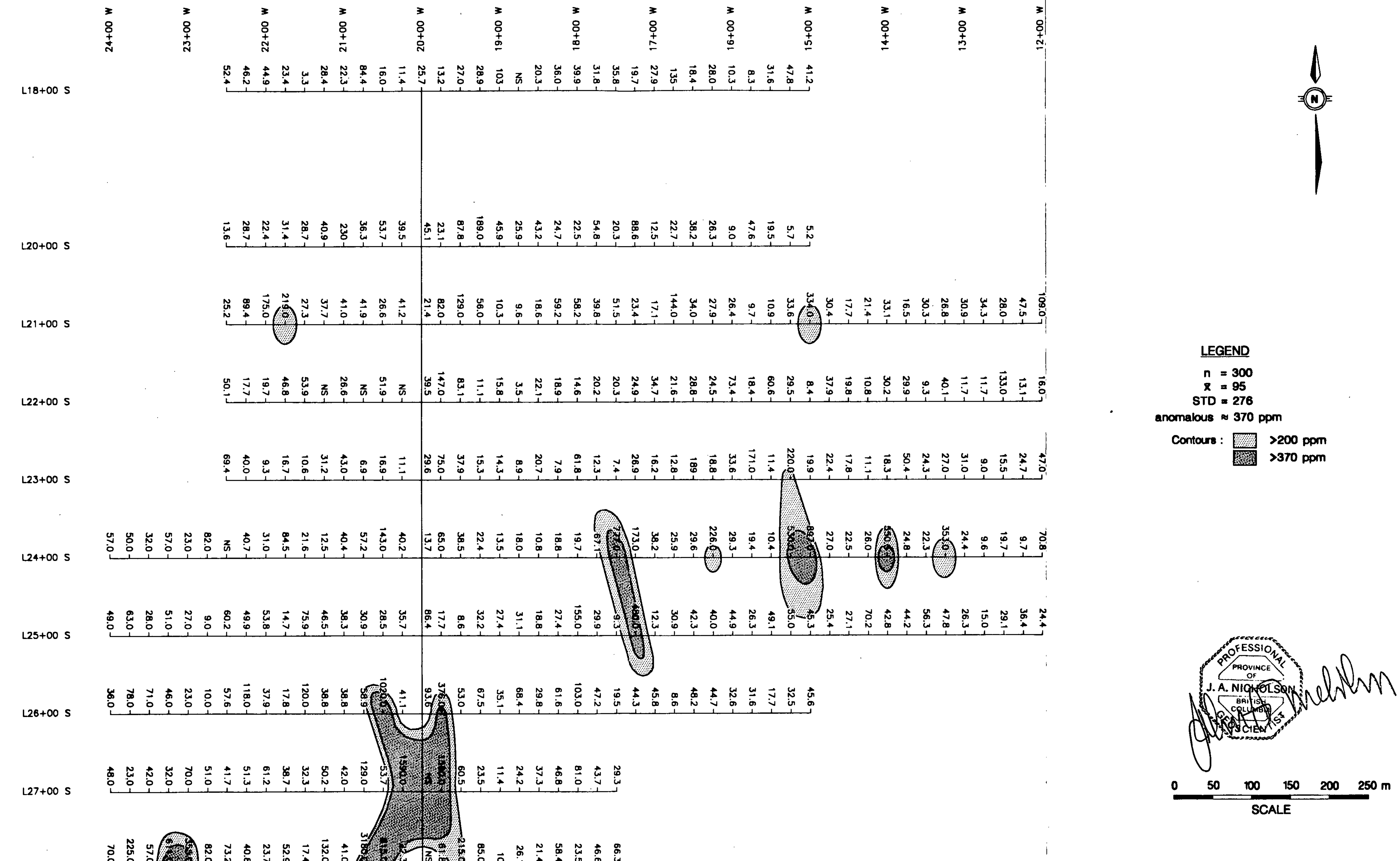
PRIME EQUITIES INTERNATIONAL CORP.

EMPIRE / MM GROUP OF CLAIMS
Skeena Mining Division, B.C.

SOIL GEOCHEMISTRY
EMPIRE GRID - LEAD (ppm)

NICHOLSON AND ASSOCIATES

SCALE : 1 : 5,000	DRAWN BY : Luminai Drafting Ltd.	FILE : EMP8.DWG
DATE : SEPT 1994	REVISED :	FIGURE : 7D



PRIME EQUITIES INTERNATIONAL CORP.

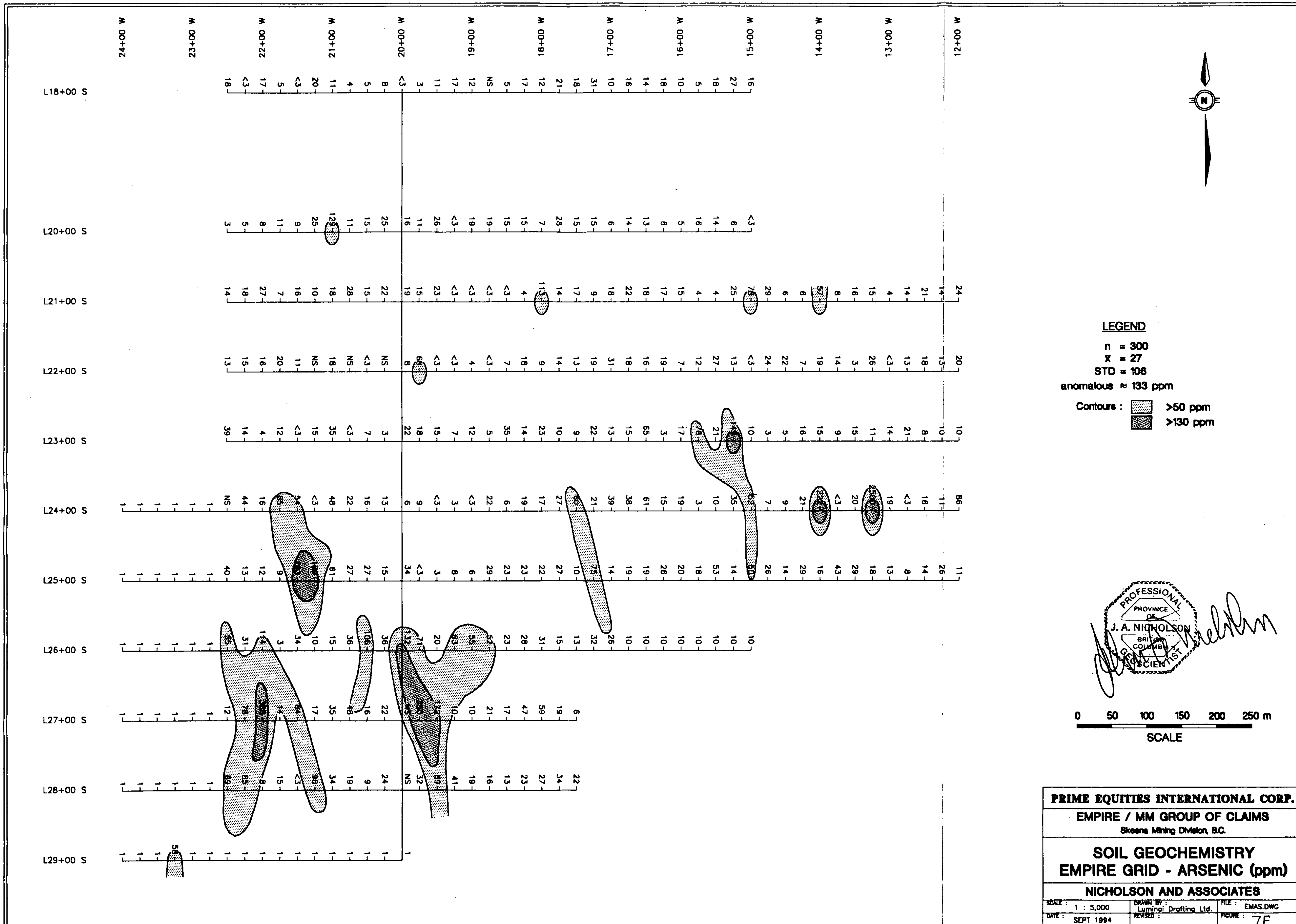
EMPIRE / MM GROUP OF CLAIMS

Skeena Mining Division, B.C.

SOIL GEOCHEMISTRY
EMPIRE GRID - ZINC (ppm)

NICHOLSON AND ASSOCIATES

SCALE : 1 : 5,000	DRAWN BY : Luminai Drafting Ltd.	FILE : EMZN.DWG
DATE : SEPT 1994	REVISED :	FIGURE : 7E


24+00 W
23+00 W
22+00 W
21+00 W
20+00 W
19+00 W
18+00 W
17+00 W
16+00 W
15+00 W
14+00 W
13+00 W
12+00 W
L18+00 S
L20+00 S
L21+00 S
L22+00 S
L23+00 S
L24+00 S
L25+00 S
L26+00 S
L27+00 S
L28+00 S
L29+00 S
N
LEGEND
n = 300
x̄ = 27
STD = 106
anomalous ≈ 133 ppm
Contours :
>50 ppm
>130 ppm
0 50 100 150 200 250 m
SCALE
PRIME EQUITIES INTERNATIONAL CORP.
EMPIRE / MM GROUP OF CLAIMS
Skeena Mining Division, B.C.
SOIL GEOCHEMISTRY
EMPIRE GRID - ARSENIC (ppm)
NICHOLSON AND ASSOCIATES
SCALE : 1 : 5,000
DRAWN BY : Luminai Drafting Ltd.
FILE : EMAS.DWG
DATE : SEPT 1994
REVISED :
FIGURE : 7F

GEOPHYSICAL RESULTS

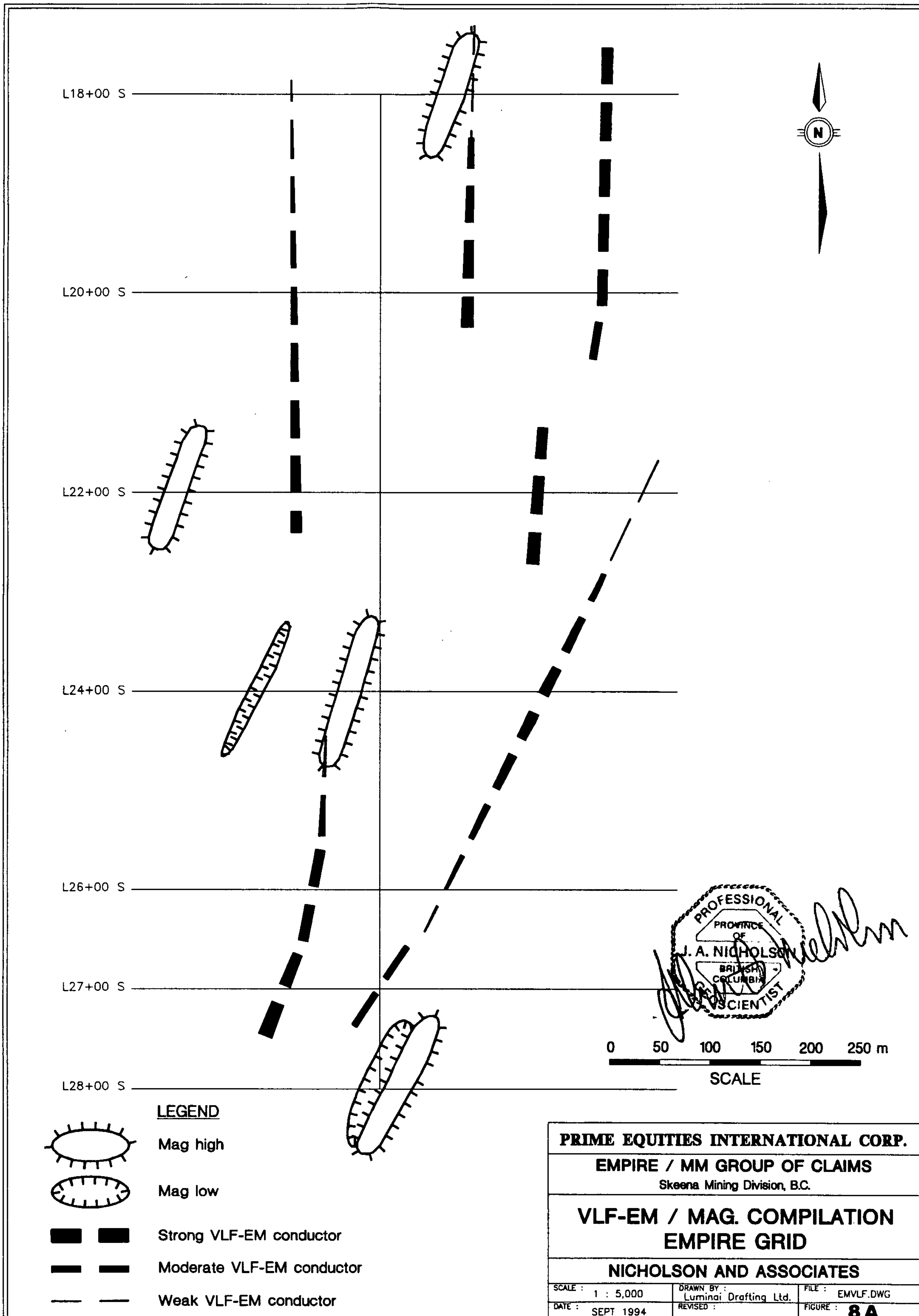
Two Geophysical surveys were carried out on the Empire Grid by crews of Nicholson & Associates. A total of 7.0 kilometers of lines were surveyed. The geophysical surveys done, consisted of V.L.F. - E.M., which utilized a Geonics EM-16 system, and a Magnetometer survey which utilized a Unimag G-836. Data was obtained along existing flagged lines on the Empire Grid. Readings were taken every 25 meters and written into a field notebook. Data was compiled and plotted nightly. All E.M.-16 data was filtered and profiled. (figure 8b). Magnetometer data was profiled and plotted. (figure 8c). A compiled MAG/ V.L.F.-E.M. map was also undertaken(figure 8a)

V.L.F-E.M profiles on the Empire grid indicate weak conductive responses located on the west side of Deadman Lake (L18+00 S, 18+50 W). These conductors correlate with a previously flown airborne EM survey which coincides with the Superior Pb-Zn-Ag-Au showings. A weak conductive zone (L27+00 S, 21+25W) in the southwest portion of the grid occurs below the lower adit of the Empire Mine. This anomoly coicides with an area of a widespread Au-Cu soil geochemical anomaly.(figure 7a/c).

An interpreted North-Easterly trending conductor, which cuts through the property, coincides with a major stream which bisects the grid.

Conductors located on the western half of the grid on L22+00S, L20+00S and L18+00S coincide with areas of swamp and (graphitic?) argillite.

The Magnetometer survey done over the Empire Grid shows numerous 100-200 gamma total field lows in the vicinty of Deadman Lake. Stronger 200-400 gamma highs and lows occur near the baseline in the area of the Empire adits and trenches. There are numerous dykes on the grid area. The magnetometer total field response is relatively flat over many of these dykes suggesting they are depleted in magnetite. There is a sharp positive-negative 400 gamma fluctuation on L28+00S near the baseline which indicates the possible presence of a tabular magnetite and/or pyrrhotite-bearing dyke.


L18+00 S
L20+00 S
L22+00 S
L24+00 S
L26+00 S
L27+00 S
L28+00 S
N
0 50 100 150 200 250 m
SCALE
PROFESSIONAL
PROVINCE OF
J. A. NICHOLSON
BRITISH COLUMBIA
SCIENTIST
LEGEND
Mag high
Mag low
Strong VLF-EM conductor
Moderate VLF-EM conductor
Weak VLF-EM conductor
PRIME EQUITIES INTERNATIONAL CORP.
EMPIRE / MM GROUP OF CLAIMS
Skeena Mining Division, B.C.
VLF-EM / MAG. COMPILATION
EMPIRE GRID
NICHOLSON AND ASSOCIATES
SCALE : 1 : 5,000
DRAWN BY : Luminai Drafting Ltd.
FILE : EMVLF.DWG
DATE : SEPT 1994
REVISED :
FIGURE : 8A

CONCLUSION AND RECOMMENDATIONS

The limited geochemical, geophysical program which was undertaken on the Empire Grid was successful in outlining potentially new mineralized zones previously unknown on the property. Two anomolous zones of interset were outlined. The first zone is located 50-100 meters west of the old Empire Mine. It coincides with an area of previously mapped chert. The zone is 75 X 300 meters and is open to the south and to the west. The anomoly has good corresponding copper and gold values. The anomoly also occurs in an area of weak to moderate V.L.F. - E.M. conductor. A weak Mag low/ Mag high also flanks the anomoly to the north and south

The second anomolus zone is located on the southeastern part of the grid. The anomoly has a multi element response in Pb-Zn-As. It coincides with a zone previously outlined by old trenches and diggings. This area also coincides with a weak to moderate Magnetometer conductor.

It is therefore recommended that:

(a) the Empire grid be extended to the south another 300 meters and to the west 600 meters to cut off the existing copper - gold anomoly.

(b) further geophysics in the form of MAG/V.L.F. be extended along the proposed grid to better define the existing copper-gold geochemical anomoly.

(c) trenching be undertaken over the existing copper-gold geochemical anomoly in the vicinty of L27+00S/22+50W which is coincident with a V.L.F. - E.M. conductor axis.

PROPOSED PHASE 1 BUDGET

Geological mapping/sampling Senior Geologist and pospector/geologist 10 days @ $600/day	$ 6,000
Geochemical Survey 100 samples @ $20/sample	$ 2,000
Geophysical Surveys Mag, VLF-EM,	$ 1,000
Trenching	$ 5,000
Camp, room and board .	$ 1,000
Helicopter Support - 5 hours @ 800/hour	$ 4,000
Travel, miscellaneous	$ 1,000
Consulting, report	$ 3,000
SUBTOTAL	**$23,000**
Contingency (10%)	$ 2,000
TOTAL ESTIMATED STAGE 1	**$ 25,000**

Contingent on the results of Phase 1, a second phase of drilling will be recommended.

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CERTIFICATE

I, **Andris Kikauka**, Box 370, Brackendale, B.C., V0N 1H0 do hereby declare that:

-In 1980, I recieved Hons.B.Sc. from the faculty of Geological Sciences, Brock University, St.Catharines, Ontario, Canada

-I am a professional cosulting geologist with 14 years combined experience in Cordillera base and precious metal mineral deposits (North and South America) as well as base, precious, and radioactive mineral deposits in shield cratons (Canada, Guyana)

- I am a member in good standing of the British Columbia Association of Professional Engineers and Geoscientists, Member # 18,275

- I am a Fellow in good standing of the Geological Association of Canada, Member # 5,771

- The data that was used for this report came from field notes, published, and unpublished information

- I have no direct or indirect interest in the securities or holdings of KRL Resources.

- I authorize the use of this report for purposes of public financing.

PROFESSIONAL PROVINCE OF A. A. KIKAUKA BRITISH COLUMBIA GEOSCIENTIST

A. Kikauka

Andris Kikauka, P.Geo.

CERTIFICATE

I, **John A. Nicholson**, do herby certify that:

1. I am a consulting geologist with offices at 606-675 West Hastings Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia with a Bachelor of Science, Geology (Honours).

3. I am a member of the Profesional Engineers and Geoscientists of British Columbia, member # 19933.

4. I supervised work carried out on the MM Group fo mineral claims.

5. Data that was used in this report came from field notes and published and unplublished reports.

6. I have no direct or indirect interest in the property or securities in KRL Resources

7. I authorize the use of this report for public financing.

John A. Nicholson, P.Geo

PROFESSIONAL PROVINCE OF J. A. NICHOLSON BRITISH COLUMBIA GEOSCIENTIST

STATEMENT OF COSTS

PERSONNEL	
12 man days @ $300/day	$3600.00
HELICOPTER	
4 hours @ $815/hour (fuel included)	$3260.00
ROOM AND BOARD	
12 man days @ $45/day/man	$ 540.00
SAMPLES	
240 samples @ $20/sample	$4800.00
VEHICLE	
6 days @ $75/day	$ 450.00
FIELD SUPPLIES	
12 man days @ $20/day	$ 240.00
MOB/DEMOB	
Vancouver to Stewart to Vancouver	$1000.00
REPORT WRITING	$1500.00
TOTAL EXPENSES	**$15390.00**

APPENDIX 1

CLAIM RECORDS

MINERAL TITLES BRANCH (MiDA) 1994/SEP/22
Mineral Tenure Master Report

Tenure # : 319203 Old Tenure #: 319203 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 104A04W-D
Termination : Date: Tag # : 605836M

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS

Claim Name : PICK 1 Claim Type : 2 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area : 1 unit
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 605836M Distance from Loc Line Right: 500.0 Left:
Bearing to FP from IP : 180 Distance: 500.0 Commenced: 1993/JUN/26 12:00
Bearing to FP from FWP: N/A Distance: Completed: 1993/JUN/26 12:50

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.
Event # : 3038592 Recorded: 1993/JUL/16 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT
Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

MINERAL TITLES BRANCH (MiDA) 1994/SEP/22
Mineral Tenure Master Report

Tenure # : 319204 Old Tenure #: 319204 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 103P13W-E
Termination : Date: Tag # : 605837M

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS

Claim Name : PICK 2 Claim Type : 2 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area : 1 unit
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 605837M Distance from Loc Line Right: 500.0 Left:
Bearing to FP from IP : 180 Distance: 500.0 Commenced: 1993/JUN/26 13:00
Bearing to FP from FWP: N/A Distance: Completed: 1993/JUN/26 13:50

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.
Event # : 3038593 Recorded: 1993/JUL/16 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT
Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

Tenure # : 319205 Old Tenure #: 319205 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 103P13W-E
Termination : Date: Tag # : 605838M

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS

Claim Name : PICK 3 Claim Type : 2 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area : 1 unit
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 605838M Distance from Loc Line Right: 500.0 Left:
Bearing to FP from IP : 180 Distance: 500.0 Commenced: 1993/JUN/26 14:00
Bearing to FP from FWP: N/A Distance: Completed: 1993/JUN/26 14:50

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.
Event # : 3038594 Recorded: 1993/JUL/16 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT
Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

Tenure # : 319206 Old Tenure #: 319206 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 103P13W-E
Termination : Date: Tag # : 605839M

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS

Claim Name : PICK 4 Claim Type : 2 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area : 1 unit
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 605839M Distance from Loc Line Right: 500.0 Left:
Bearing to FP from IP : 180 Distance: 500.0 Commenced: 1993/JUN/26 15:00
Bearing to FP from FWP: N/A Distance: Completed: 1993/JUN/26 15:50

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.

Event # : 3038595 Recorded: 1993/JUL/16 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT

Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

Tenure # : 318558 Old Tenure #: 318558 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 103P13W-F
Termination : Date: Tag # : 223341

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS

Claim Name : GATO 1 Claim Type : 4 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area :12 units
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 223341 Claimed Units N: 4 S: 0 E: 0 W: 3
Perimeter Posts Not Placed: 5 Commenced: 1993/JUN/16 15:00
Bearing to LCP from WP: N/A Distance: Completed: 1993/JUN/26 20:45

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.
Event # : 3037589 Recorded: 1993/JUN/29 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT
Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

MINERAL TITLES BRANCH (MiDA) 1994/SEP/22
Mineral Tenure Master Report

Tenure # : 318559 Old Tenure #: 318559 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 103P13W-F
Termination : Date: Tag # : 223342

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS

Claim Name : GATO 2 Claim Type : 4 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area : 9 units
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 223342 Claimed Units N: 3 S: 0 E: 3 W: 0
Perimeter Posts Not Placed: 5 Commenced: 1993/JUN/16 15:10
Bearing to LCP from WP: N/A Distance: Completed: 1993/JUN/26 20:45

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.
Event # : 3037590 Recorded: 1993/JUN/29 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT
Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

MINERAL TITLES BRANCH (MiDA) 1994/SEP/2?
Mineral Tenure Master Report

Tenure # : 318560 Old Tenure #: 318560 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 103P13W-F
Termination : Date: Tag # : 223343

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS

Claim Name : GATO 3 Claim Type : 4 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area : 9 units
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 223343 Claimed Units N: 0 S: 3 E: 0 W: 3
Perimeter Posts Not Placed: 0 Commenced: 1993/JUN/19 13:15
Bearing to LCP from WP: N/A Distance: Completed: 1993/JUN/26 20:15

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.
Event # : 3037591 Recorded: 1993/JUN/29 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT
Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

Tenure # : 318561 Old Tenure #: 318561 Tenure Sub-Type: claim
Mining Div. : SKEENA Map # : 103P13W-F
Termination : Date: Tag # : 223344

CURRENT OWNERS

Client #	Name	% Interest
106956	DONALDSON, JAMES MALCOLM	100.0000

CLAIM DETAILS
Claim Name : GATO 4 Claim Type : 4 Post
Issued : 1993/JUN/26 Good To: 1996/JUN/26 Area : 9 units
Locator : 106956 DONALDSON, JAMES MALCOLM

Tag #: 223344 Claimed Units N: 0 S: 3 E: 3 W: 0
Perimeter Posts Not Placed: 0 Commenced: 1993/JUN/19 13:00
Bearing to LCP from WP: N/A Distance: Completed: 1993/JUN/26 20:00

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.
Event # : 3037592 Recorded: 1993/JUN/29 Effective: 1993/JUN/26
Submitter: 106956 DONALDSON, JAMES MALCOLM
Comments :

WORK STATEMENT
Event # : 3052691 Recorded: 1994/JUN/24 Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18 Work Stop Date : 1994/06/24
Old Good To Date: 1994/06/26 New Good To Date: 1996/06/26
Work Types:
GEO.GEOC.GEOP.

Tenure # : 321633   Old Tenure #: 321633   Tenure Sub-Type: claim
Mining Div. : SKEENA   Map # : 104A04W-D
Termination :   Date: Tag # : 223371

CURRENT OWNERS

Client #	Name	% Interest
126610	TERRY, MARK A.	100.0000

CLAIM DETAILS

Claim Name : AU#1   Claim Type : 4 Post
Issued : 1993/OCT/18   Good To: 1996/OCT/18   Area :15 units
Locator : 126610 TERRY, MARK A.

Tag #: 223371   Claimed Units N: 0 S: 3 E: 5 W: 0
Perimeter Posts Not Placed: 10   Commenced: 1993/OCT/18 09:00
Bearing to LCP from WP: N/A   Distance: Completed: 1993/OCT/18 12:35

****
* NOTE: Mineral Tenure events recorded prior to June 1, 1991 *
* are NOT stored on the MiDA system; please refer to manual *
* records located in the Gold Commissioner's office. *
****

TENURE EVENTS

CLAIM APPLIC.

Event # : 3042980   Recorded: 1993/OCT/18   Effective: 1993/OCT/18
Submitter: 126610 TERRY, MARK A.
Comments :

WORK STATEMENT

Event # : 3052692   Recorded: 1994/JUN/24   Effective: 1994/JUN/24
Submitter: 119683 NICHOLSON, GEORGE EARLE
Comments :
Work Start Date : 1994/06/18   Work Stop Date : 1994/06/24
Old Good To Date: 1994/10/18   New Good To Date: 1996/10/18
Work Types:
GEO.GEOC.GEOP.

APPENDIX 2

ASSAY TECHNIQUES

XRAL

XRAL Laboratories
A Division of SGS Canada Inc.

Acid Extraction, determination by ICP Spectroscopy - 36 elements

Description:

A quarter gram sample is digested with 2 ml of nitric acid for one half hour in a water bath, then 1 ml of hydrochloric acid is added and the digestion continues for another 2 hours. Test tubes are shaken at regular intervals.

In house standards and previously analysed samples are run to monitor proper digestion procedures. Synthetic standards are used to calibrate the instrument.

Limitations:

The nitric aqua regia extraction will not completely extract difficultly soluble elements such as Ba,Cr,Sb,Sn,Ta,W,V and Zr. The multi-acid extraction (Method code 80-1) will ensure better extraction, though some refractory minerals may remain incompletely attacked. Volatile elements such as As may be lost from solution in the multi-acid attack.

Elements:

Al	0.01%	Fe	0.01%	Na	0.01%
Sb	5ppm	Pb	2ppm	Sr	.5ppm
As	5ppm	Li	1ppm	Ag	.1ppm
Ba	1ppm	Mg	.01%	Sn	10ppm
Be	.5ppm	Mn	.01%	Ti	.01%
Bi	3ppm	Mo	1ppm	W	10ppm
Cd	1ppm	Ni	1ppm	V	2ppm
Ca	.01%	P	.01%	Y	.1ppm
Cr	1ppm	K	.01%	Zr	.5ppm
Co	1ppm	Sc	.5ppm	Zn	.5ppm
Cu	.5ppm				

Prepared by	Approved by	Date

XRAL X-Ray Assay Laboratories
A Division of SGS Supervision Services Inc.

X-Ray Fluorescence Spectrometry - 27 Elements - Pressed Pellet

Description:

At least 5 g of sample is required for the analysis of one or all of the above elements. A pellet is loaded into the holder of the automatic sample changer of a Philips PW1400 wavelength dispersive x-ray spectrometer. The 40 mm diameter sample pellets are loaded six to a tray with a total of 10 trays.

Elements are run in an inert nitrogen atmosphere employing a rhodium tube which also serves as an internal standard for some elements. For different combinations of requested elements various standard reference materials are inserted with these samples to verify calibration. Calibration is programmed into the instrument and inter-element corrections are applied to necessary analyte elements. Commonly requested element combinations are programmed to be determined individually or in groups.

Limitations:

This procedure is not suitable for mineralized materials. The presence of percentage levels of any element except the usual major rock constituents will have a adverse effect on the calibration.

The maximum concentration reported by these procedures is generally 5000 ppm. Analysis for elements with concentrations higher than 5000 ppm should be analysed by one of our assay procedures. The assay procedure involves a potassium pyrosulfate fusion of the sample followed by the preparation of a pressed disk. The pyrosulfate fusion produces a very homogeneous sample material with a uniform grain size. The fusion also saturates any matrix impact from the sample with the overwhelming matrix of the pyrosulfate flux itself thus allowing for synthetic standard calibrations. Internal standards are also used for assay grade analysis. This procedure is essential to produce the accuracy and precision requirements needed for assay grade analysis.

Elements:

Sb	3 ppm	Pb	2 ppm	Tl	5 ppm
As	3 ppm	Mo	2 ppm	Th	2 ppm
Ba	20 ppm	Nb	2 ppm	Sn	5 ppm
Bi	3 ppm	Ni	2 ppm	Ti	5 ppm
Cl	50 ppm	Rb	2 ppm	W	5 ppm
Co	2 ppm	Sc	3 ppm	U	2 ppm
Cu	2 ppm	Sr	2 ppm	Y	2 ppm
Ga	3 ppm	S	50 ppm	Zr	3 ppm
Fe	3 ppm	TA	5 ppm	Zn	2 ppm

Prepared by	Approved by	Date

XRAL X-Ray Assay Laboratories
A Division of SGS Supervision Services Inc.

Geochemical Gold , Platinum and Palladium by Lead Fire Assay
Assay Gold, Platinum, Palladium and Silver by Lead Fire Assay

Our quality control includes the following procedures:

1. The cleaner sample which was crushed before the samples is analysed along with the samples.

2. A standard reference sample doped with cobalt and copper is run with each tray. The position of this standard is varied systematically from one tray to the next. This serves as a check to identify each batch through to the final cupellation and as a monitor of the final measurement of gold content.

3. Every tenth sample is run in duplicate. The second run is made at a different time from the first.

4. anomalous samples are repeated.

The routine involves weighing of a 15 or 30 gram aliquot of sample on a top loader electronic balance to_+_ 0.01 grams tolerance. This is added to a assay crucible which has been pre-charged with 100-200 grams of flux. A fixed amount of reducing agent is then added to ensure production of a 30-50 gram lead button during fusion. Finally for gold assays five milligrams of silver is added and the sample and flux are mixed together.

The fusion is carried out at an average temperature of about 1000 degrees celsius for about 1 hour. Melts are poured and when the slag has cooled the lead buttons are recovered, deslagged, and placed in preheated cupels in the cupellation furnace. Cupellation takes about 1 hour and is carried out at about 960 degrees celsius. The silver bead recovered after cupellation can be treated in several ways to determine the gold content as indicated below.

1. Plasma spectrometry: Requires digestion of the bead with aqua regia followed by measurement of the gold content in the solution. Platinum and palladium may also be determined on this solution (XRAL Group 02-1).

2. Neutron activation analysis: This requires only an irradiation of the bead followed by measurement of the gold content by gamma spectrometry. It is normally used for the analysis of gold only.

3. For high grade samples the gold can be parted from the silver and weighed as per the classical technique.

Atomic absorption is seldom used as the sensitivity is not quite adequate for the low levels required for geochemical applications.

Silver analyses follow the same path as gold samples except that the final measurement is always gravimetric and no silver is added to the pot.

Elements:

Au to 1 ppb detection limit

Prepared by	Approved by	Date

APPENDIX 3

ASSAY SAMPLE RESULTS

SAMPLE	AU-1AT PPB FADCP 1	BE PPM ICP 0.5	NA % ICP 0.01	MG % ICP 0.01	AL % ICP 0.01	P % ICP 0.01	K % ICP 0.01	CA % ICP 0.01	SC PPM ICP 0.5	TI % ICP 0.01
~~L10+00N 10+00E~~	~~80~~	~~2.0~~	~~.03~~	~~1.24~~	~~2.44~~	~~.13~~	~~.05~~	~~.83~~	~~5.6~~	~~.02~~
L27+00S 17+50W	9	<.5	.03	.17	.74	.07	.08	.03	<.5	<.01
L27+00S 17&75W	13	1.6	.03	.25	1.82	.18	.02	.01	.5	.02
L27+00S 18+00W	8	1.5	.03	.51	2.00	.11	.07	.02	1.0	<.01
L27+00S 18+25W	20	1.6	.03	.63	2.17	.12	.05	.05	2.1	.02
L27+00S 18+50W	19	1.2	.03	.29	2.27	.09	.03	.02	1.5	.01
L27+00S 18+75W	8	1.6	.03	.28	1.90	.07	.02	.02	1.4	.04
L27+00S 19+00W	8	<.5	.03	.04	.84	.02	.01	<.01	<.5	<.01
L27+00S 19+25W	12	1.1	.03	.22	1.40	.08	.04	.05	1.3	.07
L27+00S 19+50W	10	2.0	.03	1.27	3.00	.08	.05	.12	5.5	.06
L27+00S 19&75W	90	2.4	.03	.47	2.21	.17	.06	.10	3.6	.02
L27+00S 20+25W	11	3.5	.03	2.04	3.79	.34	.03	.86	12.0	.02
L27+00S 20+50W	6	1.3	.03	.27	1.56	.06	.02	.04	.9	.01
L27+00S 20+75W	54	1.6	.03	.47	2.81	.09	.02	.03	2.5	.02
L27+00S 21+00W	20	1.2	.03	.52	1.32	.10	.05	.10	1.3	.01
L27+00S 21+25W	49	1.3	.03	.37	1.29	.07	.03	.08	2.0	.02
L27+00S 21+50W	28	1.0	.03	.26	.79	.08	.03	.07	<.5	.01
L27+00S 21+75W	16	1.3	.03	.35	1.40	.04	.03	.02	3.4	.09
L27+00S 22+00W	29	2.1	.03	.29	2.14	.06	.04	.05	3.3	.06
L27+00S 22+25W	41	3.1	.03	.35	3.34	.11	.04	.11	3.4	.05
L27+00S 22+50W	64	1.2	.03	.10	.79	.04	.03	.13	1.4	.11
L28+00S 17+50W	110	1.8	.03	.31	3.66	.15	.04	.02	1.5	.01
L28+00S 17+75W	8	2.0	.03	.19	1.75	.06	.02	<.01	1.7	.04
L28+00S 18+00W	8	1.6	.03	.17	1.66	.09	.02	<.01	1.0	.04
L28+00S 18+25W	12	1.4	.02	.68	1.86	.05	.03	.01	1.6	.03
L28+00S 18+50W	26	1.0	.03	.12	.95	.09	.03	.02	1.0	.10
L28+00S 18+75W	14	1.0	.03	.44	1.67	.07	.19	.05	1.8	.07
L28+00S 19+00W	19	<.5	.03	.10	.97	.04	.03	.01	<.5	.04
L28+00S 19+25W	19	1.6	.03	.62	2.48	.09	.04	.09	2.3	.03
L28+00S 19+50W	40	2.1	.03	.95	3.16	.13	.06	.09	5.1	.03
L28+00S 19+75W	32	1.6	.03	.37	2.85	.14	.03	.04	1.8	.02
L28+00S 20+25W	8	.5	.03	.05	.78	.04	.02	.01	<.5	.02
L28+00S 20+50W	30	1.3	.04	.18	2.07	.42	.03	3.05	1.4	<.01
L28+00S 20+75W	11	2.2	.03	.56	2.19	.19	.05	.91	2.2	.02
L28+00S 21+00W	14	1.3	.03	.41	1.51	.05	.05	.08	1.1	.02
L28+00S 2+25W	7	.8	.02	.13	.97	.04	.08	.04	1.5	<.01
L28+00S 21+50W	24	.5	.03	.60	.81	.07	.06	.18	2.5	.09
L28+00S 21+75W	9	<.5	.03	.15	.77	.05	.02	.07	1.3	<.01
L28+00S 22+00W	45	1.0	.03	.12	1.84	.08	.02	.02	1.1	<.01
L28+00S 22+25W	11	2.1	.03	.33	2.50	.06	.02	.02	1.7	.04
L28+00S 22+50W	14	1.4	.03	1.36	2.13	.08	.03	.09	2.7	.01
L9+00N 7+50E	19	1.7	.03	.31	3.36	.05	.03	.03	3.2	.04
L9+00N 7+75E	34	<.5	.03	.02	.24	.03	.02	.02	<.5	<.01
L9+00N 8+00E	15	<.5	.03	.03	.29	.01	.03	<.01	<.5	.02
L9+00N 8+25E	13	1.5	.04	.53	2.45	.13	.07	.47	3.3	.02
L9+00N 8+50E	7	1.5	.03	.22	1.60	.04	.02	.08	1.5	.04
L9+00N 8+75E	7	.5	.03	.04	.42	.04	.03	.75	.5	.05
L9+00N 9+00E	13	.6	.03	.07	.63	.04	.02	.02	<.5	.02
L9+00N 9+25E	28	.5	.03	.08	.70	.08	.04	.12	.6	.05
L9+00N 9+50E	26	2.0	.03	.47	3.24	.07	.03	.04	6.2	.03
L9+00N 9+75E	34	1.4	.04	.17	2.29	.13	.04	.21	2.7	.06
L9+00N 10+00E	22	<.5	.03	.01	.56	.02	<.01	<.01	<.5	.03
L9+00N 10+25E	15	1.5	.03	.23	1.79	.04	.02	.06	1.5	.03
L9+00N 10+50E	25	<.5	.03	.02	.74	.02	.01	<.01	<.5	.02
L9+00N 10+75E	14	<.5	.03	.04	.75	.01	<.01	.01	<.5	.06
L9+00N 11+00E	17	1.1	.03	.35	1.81	.06	.03	.06	1.8	.03
L9+00N 11+25E	29	1.1	.03	.19	2.64	.11	.05	.09	1.9	.03
L9+00N 11+50E	17	.6	.05	.52	1.38	.09	.08	.29	3.0	.07
L11+00N 7+50E	23	<.5	.05	.03	.16	.06	.04	.28	<.5	<.01
L11+00N 7+75E	NSS	<.5	.05	.07	.16	.06	.06	.38	<.5	<.01
L11+00N 8+00E	48	<.5	.03	.05	.24	.08	.04	1.31	<.5	<.01
L11+00N 8+25E	39	<.5	.04	.08	.17	.06	.05	.23	<.5	<.01
L11+00N 8+50E	8	<.5	.03	.03	.66	.02	<.01	<.01	.6	<.01
L11+00N 8+75E	74	<.5	.05	.06	.37	.08	.05	.42	<.5	<.01
L11+00N 9+00E	12	1.2	.03	.61	1.34	.05	.03	.11	2.8	.03
L11+00N 9+25E	23	1.4	.03	.46	2.15	.09	.06	.14	2.5	.03
L11+00N 9+50E	33	1.4	.03	.70	2.00	.09	.07	.35	3.2	.03
L11+00N 9+75E	66	.9	.03	.07	.84	.07	.04	.11	.6	.01
L11+00N 10+00E	13	1.1	.03	.62	1.47	.06	.03	.09	2.9	.02
L11+00N 10+25E	22	1.3	.03	.43	2.16	.03	.03	.02	2.9	.05
L11+00N 10+50E	19	.6	.03	.29	.93	.05	.06	.33	1.2	.03
L11+00N 10+75E	54	.6	.03	.06	.64	.06	.01	1.45	.8	<.01
L11+00N 10+50E	40	<.5	.04	.02	.32	.06	.03	.02	<.5	<.01
L11+00N 11+00E	14	1.0	.03	.31	1.60	.05	.05	.14	1.4	.05
L22+00S 20+25W	21	2.7	.03	.15	4.03	.41	.02	.38	4.6	.01
L22+00S 20+75W	19	<.5	.03	.04	.62	.04	.03	.02	<.5	<.01
L22+00S 21+25W	33	1.1	.03	.38	1.23	.06	.04	.03	<.5	.01
94 BTS 34	27	1.4	.05	.89	1.52	.12	.14	.65	5.3	.02
94 BTS 36	22	1.4	.03	1.05	1.65	.10	.10	.43	5.8	.03
94 BTS 37	30	1.3	.03	.66	1.34	.11	.11	.56	3.0	.02

EMPIRE

EMP

SAMPLE	AU-1AT PPB FADCP 1	BE PPM ICP 0.5	NA % ICP 0.01	MG % ICP 0.01	AL % ICP 0.01	P % ICP 0.01	K % ICP 0.01	CA % ICP 0.01	SC PPM ICP 0.5	TI % ICP 0.01
94 BDS 21	25	1.5	.04	1.03	1.46	.12	.09	.72	3.0	.02
94 BDS 22	77	1.4	.04	1.03	1.43	.11	.09	.70	2.7	.02
94 BDS 29	13	1.0	.03	.99	1.26	.10	.08	.69	2.0	.02
94 BDS 30	11	1.1	.04	.98	1.26	.10	.08	.74	2.1	.01
94 BDS 31	13	1.0	.04	.96	1.24	.09	.05	.66	2.0	.01
94 BDS 32	15	1.2	.03	.82	1.12	.10	.05	.52	2.1	.01
94 BDS 33	9	1.0	.03	.83	1.07	.09	.07	.71	1.8	<.01
94 BDS 34	19	1.1	.03	.83	1.12	.10	.04	.66	2.0	.01
94 BDS 35	15	1.3	.03	.86	1.11	.10	.05	.67	1.8	<.01
94 BDS 65	17	1.3	.03	1.02	1.44	.12	.10	.47	3.1	.03
10N-3+00E	12	<.5	.03	.12	.40	.03	.03	.04	<.5	.07
D 94 BDS 088	NSS	1.0	.05	.84	1.36	.11	.32	.60	2.9	.10
D 94 BTS 06	35	1.5	.04	.77	1.35	.12	.08	1.23	2.9	.01
D 94 BTS 027	NSS	1.4	.11	1.20	2.06	.13	.22	1.19	5.6	.07
D 94 BTS 045	8	.9	.04	.53	.88	.09	.12	.64	2.4	.07
D 94 ABS 005	--	1.3	.04	1.02	1.56	.10	.13	.41	5.1	.03
D 94 TGS 002	NSS	--	--	--	--	--	--	--	--	--
D L10+00N 4+50E	--	1.7	.03	.16	2.87	.06	.03	.16	1.6	.02
D L10+00N 5+00E	NSS	--	--	--	--	--	--	--	--	--
D L10+00N 7+50E	--	1.7	.03	.77	1.90	.11	.04	.39	2.5	.02
D L10+00N 8+00E	82	--	--	--	--	--	--	--	--	--
D L27+00S 17+75W	--	1.4	.03	.22	1.55	.16	.01	.01	<.5	.01
D L27+00S 18+25W	NSS	--	--	--	--	--	--	--	--	--
D L27+00S 20+50W	--	1.1	.03	.24	1.41	.06	.02	.04	.7	.01
D L27+00S 21+50W	NSS	--	--	--	--	--	--	--	--	--
D L28+00S 18+25W	--	1.3	.03	.60	1.64	.05	.03	.01	1.4	.03
D L28+00S 19+25W	NSS	--	--	--	--	--	--	--	--	--
D L28+00S 21+50W	--	.7	.04	.58	.77	.08	.06	.17	2.6	.08
D L28+00S 22+50W	14	--	--	--	--	--	--	--	--	--
D L9+00N 9+25E	--	.6	.04	.06	.62	.09	.04	.12	.5	.04
D L9+00N 10+25E	18	--	--	--	--	--	--	--	--	--
D L11+00N 7+50E	--	<.5	.04	.05	.15	.06	.04	.27	<.5	<.01
D L11+00N 9+00E	NSS	--	--	--	--	--	--	--	--	--
D L11+00N 10+50E	--	.7	.03	.30	.94	.05	.06	.32	1.3	.04
D L22+00S 21+25W	28	--	--	--	--	--	--	--	--	--
D 94 BDS 29	--	1.2	.02	1.08	1.37	.10	.09	.72	2.3	.02
4 BDS 36	17	--	--	--	--	--	--	--	--	--

EMPIRE

SAMPLE	V PPM ICP 2	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN PPM ICP 0.5	AS PPM ICP 3	SR PPM ICP 0.5
94 BDS 088	70	28	532	3.01	13	17	52.3	94.4	68	43.8
94 BDS 089	71	29	482	3.02	14	17	53.6	87.3	75	44.4
94 BDS 092	85	37	647	3.59	18	21	60.6	110	98	57.7
94 BDS 096	88	39	891	3.99	27	29	96.6	123	126	61.1
94 BDS 105	118	57	2200	5.97	35	37	206	407	110	15.5
94 BDS 107	131	76	1830	5.19	29	30	118	165	65	15.7
94 BDS 108	50	28	615	2.03	8	3	44.7	71.0	25	21.1
94 BDS 118	80	40	2060	3.49	17	48	128	520	66	30.3
94 BDS 119	127	60	3200	4.66	42	69	465	983	316	71.7
94 BTS 01	61	32	2610	5.81	34	120	189	340	143	80.2
94 BTS 02	60	31	2730	5.84	36	129	224	379	182	92.5
94 BTS 04	59	37	2090	5.17	26	90	152	280	123	91.1
94 BTS 06	60	32	2380	5.65	30	112	190	451	169	79.9
94 BTS 09	60	31	2710	6.00	36	121	198	379	176	89.7
94 BTS 011	68	42	1140	3.43	16	53	85.0	275	47	34.0
94 BTS 012	64	25	1330	4.18	25	91	160	444	134	64.6
94 BTS 013	66	31	1710	4.90	29	109	349	512	375	67.4
94 BTS 014	56	34	1090	3.46	18	52	106	253	36	63.1
94 BTS 015	66	26	1360	4.05	19	93	160	513	99	81.7
94 BTS 016	61	23	1240	3.81	21	89	155	497	84	82.7
94 BTS 018	54	26	1300	4.11	20	100	160	550	64	62.8
94 BTS 019	37	19	1160	3.54	20	103	129	402	24	64.7
94 BTS 020	50	24	1460	4.22	25	158	171	592	36	66.0
94 BTS 021	96	33	1730	5.12	29	149	217	971	158	67.2
94 BTS 027	203	61	1370	4.22	19	88	124	429	91	145
94 BTS 028	214	64	1510	4.39	24	94	126	462	93	160
94 BTS 029	211	65	1650	4.43	24	98	127	513	86	155
94 BTS 031	172	55	1170	3.86	16	72	109	383	77	148
94 BTS 032	115	40	865	3.07	16	37	60.3	239	70	83.2
BTS 038	85	47	1830	4.36	19	19	134	253	371	48.0
94 BTS 039	57	43	2080	2.96	15	7	43.1	210	443	112
94 BTS 040	74	39	4120	3.73	18	21	42.5	366	514	75.6
94 BTS 041	56	31	3070	3.83	17	23	74.2	318	318	76.7
94 BTS 042	80	43	1720	3.60	13	18	45.7	179	205	44.0
94 BTS 043	105	60	2280	4.33	16	25	64.5	241	256	68.1
94 BTS 044	87	42	1640	3.65	17	21	45.0	185	184	46.5
94 BTS 045	51	31	924	2.33	10	4	37.2	86.6	63	39.1
94 BTS 046	38	14	768	1.99	6	1	57.0	88.5	67	59.5

SAMPLE	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN PPM ICP 0.5	AS PPM ICP 3	SR PPM ICP 0.5
94 BTS 047	33	549	2.80	9	18	48.8	198	12	21.9
94 BTS 048	28	589	1.29	5	5	59.0	75.1	6	23.9
94 BTS 049	16	1330	1.56	4	<1	20.7	43.3	6	20.9
94 BTS 050	39	1570	4.09	17	20	88.2	219	169	25.7
94 ABS 001	89	2150	5.37	29	40	106	191	79	45.5
94 ABS 002	26	1210	3.44	15	15	56.5	112	28	9.8
94 ABS 003	19	1470	3.12	15	9	49.1	83.5	17	16.9
94 ABS 004	51	1510	4.04	18	25	82.2	171	53	30.3
94 ABS 005	48	1210	3.64	14	21	69.4	145	45	31.5
94 TGS 001	36	1270	3.50	14	28	63.9	861	834	44.2
94 TGS 002	40	1260	3.06	13	20	38.1	518	409	36.1
94 TGS 003	32	1220	2.72	11	22	39.9	636	346	42.2
94 TGS 004	10	3170	4.05	22	<1	2160	3500	6	23.2
94 TGS 005	45	1360	3.73	18	26	75.8	376	160	26.5
L10+00N 3+00E	20	1420	3.62	25	2	239	1530	49	25.9
L10+00N 3+25E	27	3140	3.40	57	24	68.1	748	435	48.6
L10+00N 3+50E	26	4280	5.16	33	45	169	1710	1260	40.8
L10+00N 3+75E	31	736	5.38	10	10	46.1	201	521	10.8
L10+00N 4+00E	26	530	6.20	8	<1	40.0	200	262	27.3
L10+00N 4+25E	7	3600	7.47	81	7	148	571	127	80.2
L10+00N 4+50E	6	543	2.55	9	2	18.6	95.5	17	9.0
L10+00N 4+75E	12	53.0	6.45	2	<1	15.4	29.3	13	.8
L10+00N 5+00E	<1	13.0	.23	<1	<1	2.1	5.1	<3	1.9
L10+00N 5+25E	15	86.0	5.84	3	<1	23.3	61.1	93	3.1
L10+00N 5+50E	23	2330	6.50	19	9	33.9	116	83	44.3
L10+00N 5+75E	22	398	3.83	10	9	48.7	266	308	26.6
L10+00N 6+00E	8	182	3.04	6	1	10.4	136	18	29.9
L10+00N 6+25E	23	564	6.67	9	8	30.1	253	410	49.6
L10+00N 6+50E	14	135	4.21	3	2	11.3	32.4	18	2.7
L10+00N 6+75E	1	153	.59	<1	<1	1.1	11.8	5	20.8
L10+00N 7+00E	17	117	3.16	3	<1	1.1	20.9	<3	27.4
L10+00N 7+25E	12	1200	1.71	44	17	35.4	147	93	93.5
L10+00N 7+50E	22	933	4.51	10	6	38.6	175	931	41.0
L10+00N 7+75E	11	1360	5.22	9	<1	37.6	363	82	2.3
L10+00N 8+00E	31	2070	6.43	22	13	82.5	259	446	28.0
L10+00N 8+25E	44	2340	5.80	40	45	101	630	698	47.3
L10+00N 8+50E	41	271	5.48	7	7	47.2	135	477	16.0
L10+00N 8+75E	37	278	6.01	8	18	57.8	260	317	48.0
L10+00N 9+00E	33	218	4.87	6	3	18.8	45.9	231	8.1
L10+00N 9+25E	36	2970	4.92	28	59	107	1090	800	69.5
L10+00N 9+50E	19	2070	4.32	23	122	118	204	39	54.5
L10+00N 9+75E	43	2730	4.84	23	63	150	2420	1640	45.3
L10+00N 10+00E	37	4370	7.67	46	158	306	1360	375	67.8
L27+00S 17+50W	9	89.0	1.27	5	5	23.2	29.3	6	2.5
L27+00S 17&75W	28	171	6.02	5	5	23.8	43.7	19	2.3
L27+00S 18+00W	28	680	5.83	9	8	43.2	81.0	59	1.9
L27+00S 18+25W	54	447	5.46	10	11	42.1	46.9	47	8.5
L27+00S 18+50W	25	926	3.60	12	4	41.2	37.3	17	3.0
L27+00S 18+75W	22	427	6.15	4	2	24.3	24.2	21	3.0
L27+00S 19+00W	8	54.0	.83	3	<1	8.2	11.4	10	2.1
L27+00S 19+25W	23	430	3.74	6	5	26.5	23.5	10	6.2
L27+00S 19+50W	74	430	6.84	11	20	72.7	60.5	172	8.3
L27+00S 19&75W	45	2460	6.60	24	12	162	1560	350	7.4
L27+00S 20+25W	158	23900	3.44	108	343	192	1590	22	43.9
L27+00S 20+50W	20	509	4.51	7	8	22.8	53.7	16	3.0
L27+00S 20+75W	36	481	4.73	12	13	42.7	129	48	2.2
L27+00S 21+00W	34	635	4.60	12	23	57.4	42.0	35	5.7
L27+00S 21+25W	35	267	4.51	8	6	51.7	50.2	17	7.2
L27+00S 21+50W	34	150	3.86	9	11	62.3	32.3	84	7.0
L27+00S 21+75W	25	365	4.03	11	6	45.9	38.7	14	3.4
L27+00S 22+00W	45	342	6.67	10	5	61.4	61.2	388	5.9
L27+00S 22+25W	85	529	8.29	28	10	112	51.3	78	7.8
L27+00S 22+50W	27	81.0	3.66	9	7	45.0	41.7	12	10.0
L28+00S 17+50W	39	1570	6.81	16	9	43.7	66.3	22	3.7
L28+00S 17+75W	28	358	7.50	7	6	38.9	46.6	34	1.6
L28+00S 18+00W	20	208	5.79	5	2	26.1	23.5	27	2.2
L28+00S 18+25W	33	368	5.20	8	18	38.3	58.4	23	2.1
L28+00S 18+50W	26	1010	3.70	8	<1	17.1	21.4	13	3.3
L28+00S 18+75W	31	218	3.26	5	11	21.1	26.1	16	6.2
L28+00S 19+00W	13	53.0	1.37	4	3	12.0	15.3	19	3.1
L28+00S 19+25W	27	436	4.75	9	8	58.9	85.0	41	7.0
L28+00S 19+50W	72	2060	4.45	37	28	104	215	69	5.8
L28+00S 19+75W	46	2240	5.80	16	7	55.6	61.8	32	2.9
L28+00S 20+25W	7	91.0	1.36	6	2	14.4	22.3	24	2.4
L28+00S 20+50W	22	4900	1.11	10	135	112	815	9	115
L28+00S 20+75W	42	17400	3.75	20	470	313	3180	19	41.4
L28+00S 21+00W	29	185	4.20	5	12	29.2	41.0	34	3.7
L28+00S 2+25W	16	261	2.81	5	8	23.1	132	98	5.0
L28+00S 21+50W	52	179	1.99	6	6	10.3	17.4	<3	10.2
L28+00S 21+75W	8	59.0	1.10	4	<1	21.5	52.9	15	8.8

EMPIRE

SAMPLE	V PPM ICP 2	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN PPM ICP 0.5	AS PPM ICP 3	SR PPM ICP 0.5
L28+00S 22+00W	63	16	222	3.12	5	2	20.5	23.7	8	2.2
L28+00S 22+25W	154	42	163	7.23	6	7	41.5	40.8	85	3.1
L28+00S 22+50W	221	59	460	4.99	13	28	53.4	73.2	69	3.8
L9+00N 7+50E	111	36	231	5.35	7	3	27.5	78.1	77	2.5
L9+00N 7+75E	16	4	17.0	.32	4	<1	5.9	12.9	<3	15.1
L9+00N 8+00E	48	3	39.0	.97	3	<1	5.2	8.2	11	1.6
L9+00N 8+25E	115	43	4430	3.16	16	34	55.8	228	70	18.0
L9+00N 8+50E	109	21	173	4.80	7	9	27.3	104	36	5.5
L9+00N 8+75E	130	10	140	1.20	6	3	13.3	37.2	17	18.6
L9+00N 9+00E	65	17	49.0	2.00	3	3	17.1	22.6	25	3.6
L9+00N 9+25E	244	52	101	1.76	2	12	29.8	64.4	30	10.1
L9+00N 9+50E	123	46	343	4.84	12	16	79.1	102	114	2.4
L9+00N 9+75E	261	79	326	3.11	13	31	75.0	139	46	15.0
L9+00N 10+00E	90	7	47.0	1.43	5	2	9.7	14.7	15	1.3
L9+00N 10+25E	157	22	148	5.09	6	2	22.4	33.4	163	9.3
L9+00N 10+50E	38	5	13.0	.49	3	<1	6.5	4.6	8	1.5
L9+00N 10+75E	45	7	13.0	.71	3	<1	7.6	4.2	<3	1.4
L9+00N 11+00E	107	41	390	3.69	7	13	32.5	74.5	92	2.5
L9+00N 11+25E	69	25	2580	2.97	11	7	31.1	69.4	129	31.1
L9+00N 11+50E	119	15	2920	2.90	15	1	13.8	53.8	18	17.8
L11+00N 7+50E	7	5	40.0	.17	3	<1	5.8	21.8	<3	11.0
L11+00N 7+75E	5	8	68.0	.17	3	<1	8.0	26.9	<3	8.9
L11+00N 8+00E	7	6	445	.51	9	1	11.1	47.1	<3	54.2
L11+00N 8+25E	6	4	68.0	.14	5	<1	9.1	24.2	<3	34.2
L11+00N 8+50E	57	7	28.0	1.18	4	<1	8.2	12.1	10	1.7
L11+00N 8+75E	19	18	79.0	.50	6	<1	12.2	32.9	5	22.1
L11+00N 9+00E	65	22	253	3.28	11	12	41.4	93.0	36	5.9
L11+00N 9+25E	67	25	1500	3.63	28	8	33.3	80.6	32	6.6
L11+00N 9+50E	69	28	1010	3.61	24	15	37.3	101	24	16.9
L11+00N 9+75E	31	10	66.0	2.36	4	<1	23.3	28.4	96	9.2
L11+00N 10+00E	63	22	233	3.36	10	14	39.9	101	32	4.2
L11+00N 10+25E	81	28	184	4.33	7	7	33.3	61.9	24	3.2
L11+00N 10+50E	48	13	176	1.67	7	2	10.8	33.1	14	18.9
L11+00N 10+75E	33	9	32.0	.36	5	15	23.7	54.4	<3	74.7
L11+00N 10+50E	10	5	23.0	.53	4	<1	7.8	16.9	<3	7.9
L11+00N 11+00E	78	25	256	2.67	7	3	16.3	41.1	36	11.5
L22+00S 20+25W	46	34	6400	3.24	25	28	90.5	546	24	20.0
L22+00S 20+75W	48	7	114	.81	5	<1	11.7	19.1	11	3.0
L22+00S 21+25W	74	21	280	3.27	6	6	23.8	44.3	23	3.8
94 BTS 34	69	40	1640	3.95	18	23	91.4	261	189	42.8
94 BTS 36	34	56	1260	4.09	17	23	69.2	207	197	22.7
94 BTS 37	61	29	1350	3.30	13	13	44.8	112	96	27.0
94 BDS 21	50	38	1840	4.41	25	65	148	310	70	39.6
94 BDS 22	50	40	1690	4.19	21	57	111	263	63	39.8
94 BDS 29	44	47	1240	3.37	15	40	74.6	183	32	33.5
94 BDS 30	45	43	1230	3.25	14	40	67.4	172	40	36.1
94 BDS 31	43	41	992	2.92	13	34	60.4	151	20	36.7
94 BDS 32	42	23	1300	3.36	18	53	95.3	203	27	26.7
94 BDS 33	40	30	1030	2.83	13	42	61.5	132	26	34.0
94 BDS 34	41	24	1320	3.44	19	56	90.3	230	29	28.7
94 BDS 35	44	26	1310	3.34	17	55	81.3	187	25	34.5
94 BDS 65	98	59	972	3.86	20	74	95.1	262	165	23.7
10N-3+00E	42	7	227	1.23	5	<1	10.4	49.2	114	3.3
D 94 BDS 088	60	25	442	2.68	13	15	52.6	83.4	71	39.9
D 94 BTS 06	50	28	1970	5.20	28	96	160	390	140	68.0
D 94 BTS 027	173	53	1120	3.71	20	74	110	370	82	123
D 94 BTS 045	43	27	840	2.03	9	5	31.7	72.7	63	33.9
D 94 ABS 005	74	44	1020	3.21	15	18	62.1	122	35	27.3
D 94 TGS 002	--	--	--	--	--	--	--	--	--	--
D L10+00N 4+50E	34	8	490	2.21	9	3	17.4	78.6	16	7.7
D L10+00N 5+00E	--	--	--	--	--	--	--	--	--	--
D L10+00N 7+50E	109	27	917	4.53	12	10	41.1	169	959	38.2
D L10+00N 8+00E	--	--	--	--	--	--	--	--	--	--
D L27+00S 17&75W	95	26	153	5.31	4	3	21.1	37.2	25	1.9
D L27+00S 18+25W	--	--	--	--	--	--	--	--	--	--
D L27+00S 20+50W	139	17	451	4.17	7	7	20.7	49.1	17	2.7
D L27+00S 21+50W	--	--	--	--	--	--	--	--	--	--
D L28+00S 18+25W	60	31	330	4.64	6	14	34.2	55.5	25	2.0
D L28+00S 19+25W	--	--	--	--	--	--	--	--	--	--
D L28+00S 21+50W	96	52	178	1.94	5	8	10.1	17.1	<3	9.9
D L28+00S 22+50W	--	--	--	--	--	--	--	--	--	--
D L9+00N 9+25E	232	49	98.0	1.66	4	13	28.3	60.7	30	9.8
D L9+00N 10+25E	--	--	--	--	--	--	--	--	--	--
D L11+00N 7+50E	7	4	37.0	.16	2	<1	5.9	20.8	<3	10.7
D L11+00N 9+00E	--	--	--	--	--	--	--	--	--	--
D L11+00N 10+50E	51	16	180	1.71	8	6	10.4	33.8	16	19.3
D L22+00S 21+25W	--	--	--	--	--	--	--	--	--	--
D 94 BDS 29	46	47	1280	3.52	11	42	81.7	200	40	34.9
D 94 BDS 35	--	--	--	--	--	--	--	--	--	--

SAMPLE	B PPM ICP 0.5	MO PPM ICP 1	AG PPM ICP 0.1	CD PPM ICP 1	SN PPM ICP 10	SB PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5	W PPM ICP 10
~~L10+00N 10+00E~~	~~<.5~~	~~23~~	~~3.8~~	~~13~~	~~<10~~	~~11~~	~~47~~	~~11.3~~	~~<10~~
L27+00S 17+50W	<.5	5	.5	<1	<10	<5	23	18.1	<10
L27+00S 17+75W	<.5	4	3.4	<1	<10	10	36	5.1	<10
L27+00S 18+00W	<.5	7	4.0	<1	<10	10	32	10.6	<10
L27+00S 18+25W	<.5	5	2.1	<1	<10	5	47	3.1	<10
L27+00S 18+50W	<.5	7	2.8	<1	<10	8	52	8.0	<10
L27+00S 18+75W	<.5	8	2.6	<1	<10	10	36	9.8	<10
L27+00S 19+00W	<.5	6	<.1	<1	<10	<5	34	12.4	<10
L27+00S 19+25W	<.5	13	.7	<1	<10	8	58	4.8	<10
L27+00S 19+50W	1.6	8	1.4	<1	<10	14	64	4.5	<10
L27+00S 19+75W	<.5	7	36.6	13	<10	290	42	7.3	<10
L27+00S 20+25W	<.5	81	6.0	114	<10	14	430	10.3	11
L27+00S 20+50W	<.5	8	2.3	<1	<10	10	38	7.9	<10
L27+00S 20+75W	<.5	8	2.7	<1	<10	7	35	10.8	<10
L27+00S 21+00W	<.5	16	1.7	<1	<10	11	24	12.1	<10
L27+00S 21+25W	<.5	10	1.5	<1	<10	<5	58	9.2	<10
L27+00S 21+50W	<.5	24	2.0	<1	<10	8	27	7.6	<10
L27+00S 21+75W	<.5	19	2.1	<1	<10	10	32	5.5	<10
L27+00S 22+00W	.9	11	1.0	<1	<10	9	46	9.0	<10
L27+00S 22+25W	<.5	10	11.0	<1	<10	8	46	8.4	<10
L27+00S 22+50W	<.5	7	.9	<1	<10	12	32	3.9	<10
L28+00S 17+50W	.9	12	4.6	<1	<10	8	44	6.8	<10
L28+00S 17+75W	<.5	11	2.8	<1	<10	9	50	9.7	<10
L28+00S 18+00W	<.5	10	1.6	<1	<10	8	42	8.4	<10
L28+00S 18+25W	<.5	6	.6	<1	<10	8	27	8.1	<10
L28+00S 18+50W	<.5	5	1.0	<1	<10	<5	45	5.1	<10
L28+00S 18+75W	<.5	5	1.8	<1	<10	<5	128	4.3	<10
L28+00S 19+00W	<.5	6	2.0	<1	<10	9	26	6.7	<10
L28+00S 19+25W	<.5	4	1.2	<1	<10	10	44	3.8	<10
L28+00S 19+50W	<.5	7	1.7	<1	<10	9	63	5.0	<10
L28+00S 19+75W	<.5	9	2.0	<1	<10	10	28	8.2	<10
L28+00S 20+25W	<.5	8	.8	<1	<10	<5	29	7.7	<10
L28+00S 20+50W	<.5	30	4.7	28	<10	13	179	5.8	<10
L28+00S 20+75W	4.4	102	9.1	130	<10	12	561	45.5	<10
L28+00S 21+00W	<.5	7	.9	<1	<10	7	41	5.8	<10
L28+00S 2+25W	<.5	9	1.1	<1	<10	9	71	6.6	<10
L28+00S 21+50W	<.5	3	.5	<1	<10	10	46	1.3	<10
L28+00S 21+75W	<.5	3	1.3	<1	<10	7	35	5.2	<10
L28+00S 22+00W	<.5	5	.8	<1	<10	<5	13	4.4	<10
L28+00S 22+25W	2.2	9	2.0	<1	<10	11	29	5.7	<10
L28+00S 22+50W	<.5	20	1.0	<1	<10	13	12	7.2	<10
L9+00N 7+50E	8.2	3	.8	<1	<10	7	40	4.0	<10
L9+00N 7+75E	<.5	2	1.3	<1	<10	7	54	3.7	<10
L9+00N 8+00E	<.5	4	.3	<1	<10	6	12	8.8	<10
L9+00N 8+25E	<.5	17	5.2	4	<10	11	106	10.0	<10
L9+00N 8+50E	<.5	6	.7	<1	<10	7	107	5.9	<10
L9+00N 8+75E	<.5	7	1.7	<1	<10	11	65	2.2	<10
L9+00N 9+00E	<.5	6	.6	<1	<10	8	25	2.8	<10
L9+00N 9+25E	<.5	18	2.9	<1	<10	14	27	2.0	<10
L9+00N 9+50E	3.9	6	3.5	<1	<10	13	60	10.8	<10
L9+00N 9+75E	<.5	23	4.0	<1	<10	21	37	7.1	<10
L9+00N 10+00E	<.5	6	.5	<1	<10	9	15	8.4	<10
L9+00N 10+25E	<.5	6	1.5	<1	<10	6	49	4.4	<10
L9+00N 10+50E	<.5	6	1.3	<1	<10	7	28	9.7	<10
L9+00N 10+75E	<.5	4	.5	<1	<10	7	16	4.7	<10
L9+00N 11+00E	<.5	7	1.8	<1	<10	7	26	2.9	<10
L9+00N 11+25E	<.5	6	1.7	<1	<10	6	33	4.7	<10
L9+00N 11+50E	<.5	2	1.7	<1	<10	7	118	.6	<10
L11+00N 7+50E	<.5	3	1.3	<1	<10	11	43	<.5	<10
L11+00N 7+75E	<.5	3	.5	<1	<10	7	18	<.5	<10
L11+00N 8+00E	<.5	6	.5	1	<10	<5	96	2.2	<10
L11+00N 8+25E	<.5	4	1.1	<1	<10	9	149	10.8	<10
L11+00N 8+50E	<.5	2	<.1	<1	<10	6	39	6.2	<10
L11+00N 8+75E	<.5	5	3.6	<1	<10	8	67	<.5	<10
L11+00N 9+00E	<.5	4	.3	<1	<10	8	56	6.1	<10
L11+00N 9+25E	<.5	6	1.9	<1	<10	6	58	9.6	<10
L11+00N 9+50E	<.5	3	1.0	<1	<10	<5	90	8.0	<10
L11+00N 9+75E	<.5	2	1.8	<1	<10	7	35	4.7	<10
L11+00N 10+00E	<.5	5	<.1	<1	<10	<5	49	7.0	<10
L11+00N 10+25E	5.6	3	.3	<1	<10	5	46	4.4	<10
L11+00N 10+50E	<.5	4	.9	<1	<10	7	53	2.8	<10
L11+00N 10+75E	<.5	6	1.2	1	<10	<5	188	5.3	<10
L11+00N 10+50E	<.5	4	1.2	<1	<10	9	87	<.5	<10
L11+00N 11+00E	1.2	7	.7	<1	<10	10	35	3.1	<10
L22+00S 20+25W	5.7	8	4.9	8	<10	9	65	11.8	<10
L22+00S 20+75W	<.5	5	1.1	<1	<10	<5	23	8.3	<10
L22+00S 21+25W	<.5	8	2.2	<1	<10	9	36	6.3	<10
94 BTS 34	<.5	7	1.4	<1	<10	10	114	7.6	<10
94 BTS 36	<.5	3	.8	<1	<10	6	80	7.1	<10
94 BTS 37	<.5	6	.7	<1	<10	12	99	9.3	<10

EMPIRE

EMP

SAMPLE	PB PPM ICP 2	BI PPM ICP 3
94 BTS 047	16	<3
94 BTS 048	9	<3
94 BTS 049	9	<3
94 BTS 050	58	<3
94 ABS 001	43	<3
94 ABS 002	30	<3
94 ABS 003	21	<3
94 ABS 004	31	<3
94 ABS 005	25	<3
94 TGS 001	430	<3
94 TGS 002	220	<3
94 TGS 003	200	<3
94 TGS 004	488	<3
94 TGS 005	130	<3
L10+00N 3+00E	745	6
L10+00N 3+25E	341	<3
L10+00N 3+50E	817	<3
L10+00N 3+75E	149	<3
L10+00N 4+00E	54	<3
L10+00N 4+25E	114	<3
L10+00N 4+50E	59	<3
L10+00N 4+75E	12	<3
L10+00N 5+00E	4	<3
L10+00N 5+25E	27	<3
L10+00N 5+50E	30	<3
L10+00N 5+75E	227	<3
L10+00N 6+00E	12	<3
L10+00N 6+25E	152	<3
L10+00N 6+50E	<2	<3
L10+00N 6+75E	14	<3
L10+00N 7+00E	11	<3
L10+00N 7+25E	125	<3
L10+00N 7+50E	213	<3
L10+00N 7+T5E	386	<3
L10+00N 8+00E	215	<3
L10+00N 8+25E	539	<3
L10+00N 8+50E	175	4
L10+00N 8+75E	133	4
L10+00N 9+00E	34	5
L10+00N 9+25E	664	<3
L10+00N 9+50E	55	<3
L10+00N 9+75E	1440	<3
L10+00N 10+00E	463	<3
L27+00S 17+50W	5	<3
L27+00S 17&75W	30	<3
L27+00S 18+00W	59	<3
L27+00S 18+25W	37	<3
L27+00S 18+50W	17	<3
L27+00S 18+75W	30	<3
L27+00S 19+00W	<2	<3
L27+00S 19+25W	23	<3
L27+00S 19+50W	45	9
L27+00S 19&75W	3570	<3
L27+00S 20+25W	48	<3
L27+00S 20+50W	16	4
L27+00S 20+75W	82	<3
L27+00S 21+00W	20	<3
L27+00S 21+25W	8	5
L27+00S 21+50W	12	<3
L27+00S 21+75W	16	<3
L27+00S 22+00W	24	6
L27+00S 22+25W	90	11
L27+00S 22+50W	20	<3
L28+00S 17+50W	38	<3
L28+00S 17+75W	34	<3
L28+00S 18+00W	16	5
L28+00S 18+25W	20	<3
L28+00S 18+50W	19	<3
L28+00S 18+75W	22	<3
L28+00S 19+00W	21	<3
L28+00S 19+25W	34	<3
L28+00S 19+50W	88	<3
L28+00S 19+75W	29	<3
L28+00S 20+25W	10	<3
L28+00S 20+50W	14	<3
L28+00S 20+75W	30	<3
L28+00S 21+00W	28	<3
L28+00S 2+25W	23	<3
L28+00S 21+50W	9	<3
L28+00S 21+75W	18	<3

EMPIRE

SAMPLE	PB PPM ICP 2	BI PPM ICP 3	
L28+00S 22+00W	20	<3	EMP
L28+00S 22+25W	25	5	
L28+00S 22+50W	39	<3	
L9+00N 7+50E	24	<3	
L9+00N 7+75E	3	<3	
L9+00N 8+00E	4	<3	
L9+00N 8+25E	48	<3	
L9+00N 8+50E	18	<3	
L9+00N 8+75E	12	<3	
L9+00N 9+00E	7	<3	
L9+00N 9+25E	17	<3	
L9+00N 9+50E	32	<3	
L9+00N 9+75E	19	<3	
L9+00N 10+00E	8	<3	
L9+00N 10+25E	20	7	
L9+00N 10+50E	18	<3	
L9+00N 10+75E	10	<3	
L9+00N 11+00E	75	<3	
L9+00N 11+25E	49	<3	
L9+00N 11+50E	21	<3	
L11+00N 7+50E	6	<3	
L11+00N 7+75E	8	<3	
L11+00N 8+00E	12	<3	
L11+00N 8+25E	5	<3	
L11+00N 8+50E	11	4	
L11+00N 8+75E	7	<3	
L11+00N 9+00E	19	<3	
L11+00N 9+25E	34	<3	
L11+00N 9+50E	34	<3	
L11+00N 9+75E	18	<3	
L11+00N 10+00E	19	<3	
L11+00N 10+25E	20	<3	
L11+00N 10+50E	11	<3	
L11+00N 10+75E	13	<3	
L11+00N 10+50E	10	<3	
L11+00N 11+00E	17	<3	
L22+00S 20+25W	24	<3	EMF
L22+00S 20+75W	8	<3	
L22+00S 21+25W	20	<3	
94 BTS 34	63	<3	
94 BTS 36	30	<3	
94 BTS 37	27	<3	
94 BDS 21	90	<3	
94 BDS 22	78	<3	
94 BDS 29	51	<3	
94 BDS 30	50	<3	
94 BDS 31	35	<3	
94 BDS 32	54	<3	
94 BDS 33	40	<3	
94 BDS 34	53	<3	
94 BDS 35	48	<3	
94 BDS 65	29	<3	
10N-3+00E	195	<3	
D 94 BDS 088	19	<3	
D 94 BTS 06	75	<3	
D 94 BTS 027	9	<3	
D 94 BTS 045	10	<3	
D 94 ABS 005	20	<3	
D 94 TGS 002	--	--	
D L10+00N 4+50E	53	<3	
D L10+00N 5+00E	--	--	
D L10+00N 7+50E	217	<3	
D L10+00N 8+00E	--	--	
D L27+00S 17&75W	28	9	EMPIRE
D L27+00S 18+25W	--	--	
D L27+00S 20+50W	16	<3	
D L27+00S 21+50W	--	--	
D L28+00S 18+25W	22	3	
D L28+00S 19+25W	--	--	
D L28+00S 21+50W	8	<3	
D L28+00S 22+50W	--	--	
D L9+00N 9+25E	15	<3	
D L9+00N 10+25E	--	--	
D L11+00N 7+50E	7	<3	
D L11+00N 9+00E	--	--	
D L11+00N 10+50E	14	<3	
D L22+00S 21+25W	--	--	
D 94 BDS 29	46	<3	
D 94 BDS 35	--	--	

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SAMPLE	PPB P	BE PPM ICP 0.5	NA % ICP 0.01	MG % ICP 0.01	AL % ICP 0.01	P % ICP 0.01	K % ICP 0.01	CA % ICP 0.01	SC PPM ICP 0.5	TI % ICP 0.01
L18S-22+50W		.9	.03	.29	1.15	.07	.05	.10	1.5	.03
L18S-22+25W		1.0	.03	1.09	1.71	.08	.04	.31	2.6	.17
L18S-22+00W		.7	.03	.28	1.10	.05	.06	.03	1.2	.03
L18S-21+75W		.5	.03	.65	1.02	.11	.05	.28	1.8	.19
L18S-21+50W		<.5	.03	.03	.39	.03	.02	.02	<.5	<.01
L18S-21+25W		.9	.02	.25	1.70	.04	.04	.03	1.3	.03
L18S-21+00W		<.5	.03	.06	.32	.06	.05	.08	<.5	.08
L18S-20+75W		1.5	.02	1.79	2.42	.15	.14	.23	9.3	.01
L18S-20+50W		<.5	.03	.04	.73	.14	.03	.12	<.5	<.01
L18S-20+25W		<.5	.02	.03	.71	.02	.03	.02	<.5	.01
L18S-20+00W		<.5	.03	.38	.78	.10	.12	.18	2.5	.06
L18S-19+75W		<.5	.03	.02	1.55	.22	.05	.03	<.5	<.01
L18S-19+50W		.6	.03	.20	1.15	.04	.05	.04	1.2	.03
L18S-19+25W		.6	.02	.07	1.08	.03	.03	<.01	1.1	.02
L18S-19+00W		1.1	.03	.84	2.43	.09	.05	.13	1.9	.02
L18S-18+50W		<.5	.03	.13	.56	.05	.05	.04	.6	.01
L18S-18+25W	[illegible]	.9	.03	.54	2.80	.06	.04	.04	2.7	.03
L18S-18+00W	[illegible]	.9	.03	.44	1.26	.05	.06	.06	1.0	.04
L18S-17+75W	5	1.0	.03	.39	1.56	.05	.04	.05	1.8	.03
L18S-17+50W	3	.9	.03	.54	1.50	.04	.07	.04	1.4	.03
L18S-17+25W	5	.7	.02	.22	.89	.05	.08	<.01	.9	<.01
L18S-17+00W	1	<.5	.04	.07	.65	.17	.11	.06	<.5	<.01
L18S-16+75W	2	1.5	.03	.41	2.70	.12	.08	.17	2.4	<.01
L18S-16+50W	5	<.5	.02	.13	.95	.04	.03	.04	.6	.01
L18S-16+25W	6	.9	.03	.33	1.30	.06	.05	.03	1.6	.03
L18S-16+00W	5	<.5	.04	.02	.71	.14	.04	.06	<.5	<.01
L18S-15+75W	8	<.5	.03	.02	.43	.13	.04	.06	<.5	<.01
L18S-15+50W	9	1.1	.03	.41	1.56	.08	.08	.03	1.0	<.01
L18S-15+25W	4	1.0	.03	.24	1.81	.09	.05	.04	1.0	.02
L18S-15+00W	4	1.0	.03	.66	1.79	.04	.05	.04	1.9	.03
L20S-22+50W	12	<.5	.03	.10	.30	.06	.05	.19	.7	.02
L20S-22+25W	20	.6	.03	.57	.91	.06	.04	.18	2.4	.13
L20S-22+00W	29	<.5	.03	.04	1.08	.15	.10	.04	<.5	<.01
L20S-21+75W	19	.6	.03	.28	.99	.04	.05	.06	1.4	.04
L20S-21+50W	16	.6	.03	.45	1.19	.05	.05	.03	1.6	.02
L20S-21+25W	19	<.5	.02	.04	.72	.04	.04	.04	<.5	.02
L20S-21+00W	19	1.3	.03	1.43	2.02	.11	.12	.22	5.8	<.01
L20S-20+75W	9	1.2	.03	1.01	2.31	.09	.06	.14	4.5	.05
L20S-20+50W	14	1.4	.03	.70	2.57	.09	.08	.16	3.2	.06
L20S-20+25W	7	1.0	.03	.77	1.71	.08	.06	.07	4.6	.02
L20S-20+00W	11	1.4	.02	1.35	2.62	.05	.04	.05	8.8	.03
L20S-19+75W	<5	.7	.03	.56	1.34	.05	.09	.04	1.8	.01
L20S-19+50W	12	1.3	.03	.14	1.44	.08	.05	.41	1.0	.02
L20S-19+25W	6	1.5	.03	1.80	2.64	.31	.10	1.12	4.3	.14
L20S-19+00W	5	.8	.03	1.08	1.57	.11	.09	.12	2.9	<.01
L20S-18+75W	38	.6	.03	.33	1.06	.05	.06	.03	.7	.02
L20S-18+50W	10	<.5	.03	.37	1.02	.07	.09	.02	1.5	<.01
L20S-18+25W	10	.8	.03	.35	1.40	.06	.06	.02	1.4	.02
L20S-18+00W	5	<.5	.03	.05	.57	.09	.17	.06	1.3	<.01
L20S-17+75W	8	.9	.03	.50	1.80	.08	.08	.05	2.7	.01
L20S-17+50W	11	.6	.03	.30	1.00	.05	.07	.05	1.4	.05
L20S-17+25W	33	1.1	.03	.45	1.96	.11	.08	.07	1.0	.02
L20S-17+00W	10	.5	.03	.38	.92	.06	.07	.03	.9	<.01
L20S-16+75W	6	.7	.03	.22	.90	.06	.05	.03	1.2	.01
L20S-16+50W	7	.8	.03	.54	1.52	.09	.07	.04	.8	.01
L20S-16+25W	14	<.5	.03	.12	.55	.03	.06	.02	<.5	<.01
L20S-16+00W	7	<.5	.03	.03	.55	.09	.06	.01	<.5	<.01
L20S-15+75W	17	.7	.03	.67	1.28	.06	.07	.05	1.7	.02
L20S-15+50W	13	.6	.03	.27	1.20	.03	.06	.02	1.3	.02
L20S-15+25W	6	<.5	.03	.16	.63	.03	.12	.02	<.5	<.01
L20S-15+00W	20	<.5	.02	.01	.17	.02	.04	.02	<.5	<.01
L21S-22+50W	8	.8	.04	.75	1.44	.14	.07	.17	3.8	.03
L21S-22+25W	15	1.1	.03	.72	1.87	.05	.07	.02	2.2	.05
L21S-22+00W	9	1.1	.03	.15	2.47	.11	.06	.08	1.2	.02
L21S-21+75W	63	1.7	.03	.18	5.48	.41	.04	.12	5.8	.03
L21S-21+50W	6	.7	.03	.78	1.15	.07	.09	.06	1.5	<.01
L21S-21+25W	9	.6	.03	.35	1.33	.04	.05	.03	1.5	.03
L21S-21+00W	11	1.3	.03	.70	1.89	.08	.07	.06	1.7	.02
L21S-20+75W	11	.7	.02	.07	1.22	.05	.04	<.01	.8	.01
L21S-20+50W	12	.7	.03	.29	1.49	.04	.04	.01	1.5	.02
L21S-20+25W	24	.9	.03	.54	1.59	.05	.07	.02	1.5	.02
L21S-20+00W	6	<.5	.03	.10	.62	.03	.10	.02	.7	<.01
L21S-19+75W	5	1.4	.04	1.16	2.36	.11	.08	.16	4.9	.04
L21S-19+50W	33	1.3	.03	.80	2.33	.14	.07	.09	4.8	.02
L21S-19+25W	10	1.2	.03	1.30	1.97	.20	.06	.67	6.4	.08
L21S-19+00W	19	<.5	.03	.05	.56	.02	.03	.04	.8	.06
L21S-18+75W	20	<.5	.03	.05	.33	.04	.03	.11	<.5	.02
L21S-18+50W	8	<.5	.03	.56	1.01	.10	.06	.28	2.0	.09
L21S-18+25W	<5	1.1	.04	1.20	1.99	.14	.14	.15	3.5	<.01
L21S-18+00W	5	1.2	.03	.42	1.61	.08	.09	.05	3.5	<.01

EMPIRE

SAMPLE	AU-1AT PPB FADCP 5	BE PPM ICP 0.5	NA % ICP 0.01	MG % ICP 0.01	AL % ICP 0.01	P % ICP 0.01	K % ICP 0.01	CA % ICP 0.01	SC PPM ICP 0.5	TI % ICP 0.01
L21S-17+75W	10	.9	.03	.35	1.03	.08	.10	.11	1.4	.02
L21S-17+50W	11	1.1	.03	.69	2.17	.06	.10	.05	3.0	.02
L21S-17+25W	8	.6	.03	.24	.75	.08	.14	.02	.7	<.01
L21S-17+00W	6	1.0	.02	.18	1.56	.04	.03	<.01	.8	.04
L21S-16+75W	11	1.1	.03	.34	1.58	.07	.07	.76	1.0	<.01
L21S-16+50W	8	1.0	.03	.49	1.70	.05	.08	.03	1.7	.02
L21S-16+25W	6	1.0	.03	.35	1.62	.04	.05	.03	1.4	.03
L21S-16+00W	10	.5	.03	.30	1.18	.04	.08	.03	.9	.03
L21S-15+75W	22	<.5	.03	.22	.83	.05	.06	.03	<.5	<.01
L21S-15+50W	9	<.5	.03	.19	1.12	.04	.04	.03	<.5	<.01
L21S-15+25W	7	.8	.03	.28	1.34	.04	.06	.02	1.3	.03
L21S-15+00W	63	1.2	.04	.97	1.82	.08	.10	.36	4.2	.01
L21S-14+75W	12	1.0	.03	.25	1.54	.05	.06	.05	.9	.09
L21S-14+50W	9	<.5	.03	.24	.72	.04	.06	.05	.8	.01
L21S-14+25W	<5	<.5	.03	.14	.69	.06	.09	.05	<.5	.02
L21S-14+00W	8	1.4	.03	1.51	2.39	.26	.19	.29	12.9	<.01
L21S-13+75W	6	<.5	.03	.23	.88	.06	.06	.06	.7	.02
L21S-13+50W	8	<.5	.03	.38	.98	.05	.10	.03	1.2	.01
L21S-13+25W	9	.7	.03	.42	1.55	.06	.07	.03	1.3	<.01
L21S-13+00W	7	<.5	.04	.28	.90	.04	.11	.06	1.0	.02
L21S-12+75W	10	1.1	.02	.56	1.84	.07	.07	.04	.8	<.01
L21S-12+50W	9	.6	.02	.43	.95	.06	.07	.04	.9	<.01
L21S-12+25W	9	.7	.03	.29	1.25	.10	.09	.08	.8	<.01
L21S-12+00W	6	.8	.03	.82	1.45	.12	.12	.17	1.8	<.01
L22S-22+50W	32	1.4	.03	1.48	2.39	.13	.08	.20	7.5	<.01
L22S-22+25W	<5	.6	.04	.58	1.09	.07	.10	.08	1.1	<.01
L22S-22+00W	5	.7	.03	.31	1.21	.06	.06	.03	.9	.03
L22S-21+75W	15	.8	.03	.29	1.35	.06	.06	.02	1.2	.01
L22S-21+50W	15	.8	.03	.44	1.34	.05	.03	.02	1.7	.02
L22S-21+00W	28	<.5	.03	.19	.82	.03	.05	.01	1.0	<.01
L22S-20+50W	<5	.7	.03	.51	1.40	.05	.07	.02	.8	<.01
L22S-20+00W	<5	1.0	.03	.52	1.25	.05	.06	.05	3.1	.06
L22S-19+75W	7	3.3	.03	.38	3.00	.17	.06	.11	4.3	.04
L22S-19+50W	28	1.2	.04	.66	1.37	.15	.07	.27	1.1	.02
L22S-19+25W	15	<.5	.03	.05	.37	.03	.03	.09	<.5	.04
L22S-19+00W	14	<.5	.02	.31	1.00	.04	.08	.06	1.3	.05
L22S-18+75W	14	<.5	.02	<.01	.11	<.01	.02	<.01	<.5	.02
L22S-18+50W	14	<.5	.03	.05	.49	.03	.06	.03	.5	<.01
L22S-18+25W	6	1.0	.03	.10	1.75	.06	.04	.08	1.6	<.01
L22S-18+00W	6	.5	.03	.12	.92	.05	.03	.01	1.0	<.01
L22S-17+75W	9	1.5	.03	.18	3.40	.04	.02	<.01	1.7	.05
L22S-17+50W	12	.7	.03	.15	1.11	.05	.04	.05	1.1	<.01
L22S-17+25W	83	.7	.03	.07	1.00	.06	.03	.02	1.0	<.01
L22S-17+00W	14	.9	.03	.29	1.72	.08	.05	.04	1.4	.02
L22S-16+75W	10	.7	.03	.10	1.44	.06	.03	.01	1.1	.02
L22S-16+50W	23	1.0	.02	.13	1.38	.04	.03	<.01	.7	.03
L22S-16+25W	10	.8	.02	.04	1.20	.04	.03	<.01	.9	<.01
L22S-16+00W	19	2.1	.03	.07	3.38	.23	.03	.93	1.3	<.01
L22S-15+75W	10	<.5	.03	.12	1.19	.07	.05	.02	<.5	<.01
L22S-15+50W	6	1.3	.02	.55	1.98	.10	.05	.03	1.5	.01
L22S-15+25W	15	.6	.03	.36	1.51	.08	.05	.03	.7	<.01
L22S-15+00W	15	<.5	.03	.03	.60	.06	.07	.02	<.5	<.01
L22S-14+75W	50	<.5	.03	.06	.80	.04	.05	.01	<.5	<.01
L22S-14+50W	13	.9	.03	.33	1.79	.06	.05	.02	1.5	.03
L22S-14+25W	10	.7	.03	.15	1.16	.04	.04	.02	.5	.01
L22S-14+00W	5	.7	.03	.22	1.06	.10	.06	.01	<.5	<.01
L22S-13+75W	18	<.5	.03	.04	.56	.07	.07	.04	<.5	<.01
L22S-13+50W	11	<.5	.02	.03	.65	.06	.04	.03	<.5	<.01
L22S-13+25W	10	1.0	.02	.16	2.11	.09	.03	.02	.6	.01
L22S-13+00W	<5	<.5	.03	.09	1.06	.05	.04	.01	<.5	<.01
L22S-12+75W	<5	<.5	.02	.05	1.03	.04	.03	.02	<.5	.02
L22S-12+50W	9	1.4	.03	.39	2.39	.25	.04	.76	1.0	<.01
L22S-12+25W	7	<.5	.02	.08	1.11	.04	.03	.02	<.5	<.01
L22S-12+00W	24	.5	.02	.09	.81	.05	.03	.13	<.5	<.01
L22S-22+50W	58	1.7	.03	.68	2.23	.12	.05	.26	2.2	.05
L23S-22+25W	6	1.5	.03	.32	2.31	.13	.06	.13	1.5	.02
L23S-22+00W	6	<.5	.03	.08	.85	.10	.05	.04	<.5	<.01
L23S-21+75W	16	1.0	.03	.15	2.35	.08	.03	.03	.8	.01
L23S-21+50W	15	<.5	.03	.23	1.03	.08	.04	.08	.5	.04
L23S-21+25W	6	1.6	.03	.17	2.05	.14	.03	<.01	.7	<.01
L23S-21+00W	23	2.5	.03	.47	3.18	.11	.02	.04	4.8	.09
L23S-20+75W	597	<.5	.03	.05	.70	.08	.03	.10	<.5	.02
L23S-20+50W	9	.8	.03	.31	2.78	.08	.06	.08	3.4	.10
L23S-20+25W	22	<.5	.03	.04	.93	.05	.04	.02	<.5	<.01
L23S-20+00W	14	1.5	.03	.16	1.73	.05	.03	.03	1.3	.05
L23S-19+75W	12	<.5	.03	.05	.90	.03	.03	.02	<.5	.01
L23S-19+50W	13	1.2	.03	.43	1.77	.06	.04	.07	3.3	.04
L23S-19+25W	6	<.5	.03	.10	.69	.05	.04	.02	.5	.01
L23S-19+00W	<5	.5	.02	.09	.84	.03	.03	.01	.6	.01
L23S-18+75W	6	<.5	.02	.02	.56	.02	.02	<.01	<.5	<.01

EMPIRE

SAMPLE	AU-1AT PPB FADCP 5	BE PPM ICP 0.5	NA % ICP 0.01	MG % ICP 0.01	AL % ICP 0.01	P % ICP 0.01	K % ICP 0.01	CA % ICP 0.01	SC PPM ICP 0.5	TI % ICP 0.01
L23S-18+50W	14	.6	.03	.04	.88	.03	.03	<.01	.7	<.01
L23S-18+25W	9	.5	.02	.06	1.02	.02	.02	<.01	1.2	.02
L23S-18+00W	30	1.5	.02	.54	2.55	.02	.03	<.01	2.2	.03
L23S-17+75W	19	.6	.03	.10	1.28	.04	.03	<.01	1.0	.02
L23S-17+50W	26	<.5	.03	.01	.26	.02	.02	.01	<.5	<.01
L23S-17+25W	33	1.0	.03	.10	1.41	.06	.03	.02	.8	.03
L23S-17+00W	7	<.5	.03	.05	.62	.05	.03	.03	<.5	.01
L23S-16+75W	6	<.5	.03	.04	1.34	.04	.03	<.01	1.0	<.01
L23S-16+50W	<5	1.6	.03	.33	1.56	.17	.04	.11	3.0	<.01
L23S-16+25W	20	<.5	.03	.08	.66	.03	.02	.02	.5	<.01
L23S-16+00W	119	.9	.03	.28	1.05	.07	.04	.03	1.7	<.01
L23S-15+75W	9	1.5	.03	.27	1.26	.19	.04	.02	1.9	<.01
L23S-15+50W	5	<.5	.03	.03	1.42	.05	.02	<.01	<.5	<.01
L23S-15+25W	15	1.3	.02	.74	1.24	.14	.10	.10	3.4	<.01
L23S-15+00W	43	<.5	.03	.04	.75	.10	.05	.02	<.5	<.01
L23S-14+75W	6	.5	.03	.11	.92	.10	.05	.04	<.5	<.01
L23S-14+50W	7	<.5	.03	.08	.41	.03	.03	.03	<.5	<.01
L23S-14+25W	12	.5	.03	.06	1.17	.05	.03	<.01	<.5	<.01
L23S-14+00W	19	<.5	.03	.06	.87	.06	.04	.02	.9	<.01
L23S-13+75W	<5	1.5	.03	.23	2.35	.16	.07	.31	<.5	.01
L23S-13+50W	<5	1.0	.03	.18	1.60	.06	.03	.01	1.0	.04
L23S-13+25W	13	.8	.03	.25	1.40	.08	.04	.02	<.5	<.01
L23S-13+00W	10	1.0	.03	.26	1.41	.11	.04	.01	<.5	.02
L23S-12+75W	5	.8	.03	.07	1.25	.07	.02	<.01	<.5	<.01
L23S-12+50W	13	<.5	.03	.05	.94	.08	.04	.02	<.5	<.01
L23S-12+25W	10	<.5	.03	.08	.63	.08	.05	.03	<.5	<.01
L23S-12+00W	9	1.6	.03	.26	2.10	.16	.03	.02	<.5	.01
L23S-22+25W	21	1.5	.03	.26	1.65	.08	.02	.06	2.5	.14
L24S-22+00W	<5	1.9	.03	.39	2.06	.06	.02	.27	3.0	.25
L24S-21+75W	17	2.5	.03	.32	3.10	.09	.04	.04	3.3	.07
L24S-21+50W	564	.8	.03	.16	1.70	.11	.06	.07	<.5	.01
L24S-21+25W	<5	<.5	.03	.09	1.33	.13	.02	.07	<.5	.01
L24S-21+00W	85	2.0	.03	.47	2.23	.12	.04	.04	3.3	.03
L24S-20+75W	43	.8	.02	.13	1.08	.09	.04	.08	1.6	.06
L24S-20+50W	17	2.0	.02	.18	4.87	.20	.05	.06	5.9	.03
L24S-20+25W	31	1.6	.02	.33	3.26	.20	.04	.02	5.3	<.01
L24S-20+00W	13	<.5	.02	.04	.37	.05	.05	.02	<.5	.02
L24S-19+75W	6	1.2	.03	.30	1.74	.11	.06	.10	2.3	.02
L24S-19+50W	25	.8	.03	.67	1.15	.16	.09	.41	4.0	.06
L24S-19+25W	18	<.5	.03	.10	.39	.10	.09	.12	.6	.01
L24S-19+00W	31	<.5	.03	.23	.69	.11	.07	.18	.9	.01
L24S-18+75W	<5	.5	.02	.28	1.39	.10	.08	.05	3.5	<.01
L24S-18+50W	5	<.5	.02	.03	.76	.02	.03	<.01	.7	.01
L24S-18+25W	12	1.0	.02	.10	1.61	.04	.03	.01	1.3	.04
L24S-18+00W	14	.8	.02	.13	1.55	.05	.03	.02	1.4	<.01
L24S-17+75W	18	1.2	.02	.11	1.62	.06	.04	.03	.9	.04
L24S-17+50W	12	1.9	.02	.50	2.66	.38	.07	1.37	3.8	.02
L24S-17+25W	8	1.4	.02	.61	1.87	.19	.06	.16	2.8	<.01
L24S-17+00W	18	1.2	.02	.16	1.16	.11	.05	.02	1.0	<.01
L24S-16+75W	16	1.5	.03	.58	1.65	.12	.07	.02	2.4	<.01
L24S-16+50W	10	2.5	.02	.50	2.12	.12	.06	.03	10.8	<.01
L24S-16+25W	27	2.5	.03	.31	2.75	.22	.07	.12	1.3	.02
L24S-16+00W	33	.6	.03	.07	.81	.15	.09	.04	<.5	<.01
L24S-15+75W	15	<.5	.02	.05	.86	.10	.06	.04	.6	<.01
L24S-15+50W	5	.5	.02	.05	1.10	.02	.02	<.01	.8	.01
L24S-15+25W	7	1.4	.03	.17	2.92	.34	.04	2.58	4.9	<.01
L24S-15+00W	13	1.9	.03	.42	3.65	.36	.05	1.09	3.6	<.01
L24S-14+75W	10	<.5	.02	.07	1.24	.07	.05	.02	.7	<.01
L24S-14+50W	42	<.5	.04	.07	.14	.08	.04	1.52	<.5	<.01
L24S-14+25W	9	.5	.02	.07	.95	.04	.03	.02	.8	.01
L24S-14+00W	27	1.9	.02	.41	1.34	.28	.10	.86	16.8	<.01
L24S-13+75W	7	<.5	.02	.03	.87	.04	.05	.02	<.5	<.01
L24S-13+50W	19	.9	.02	.17	1.31	.04	.03	.02	1.1	.02
L24S-13+25W	121	<.5	.03	.02	.69	.06	.06	.02	<.5	<.01
L24S-13+00W	10	.7	.02	.21	1.55	.07	.04	.02	<.5	<.01
L24S-12+75W	16	<.5	.02	.02	.44	.04	.04	.04	<.5	<.01
L24S-12+50W	14	<.5	.02	.06	.90	.03	.03	.01	.6	.02
L24S-12+25W	18	<.5	.03	.03	.55	.03	.03	.02	<.5	<.01
L24S-12+00W	15	1.3	.02	.17	1.13	.21	.04	.03	<.5	<.01
L25S-22+50W	44	2.1	.02	.26	2.80	.08	.02	.04	4.1	.02
L25S-22+25W	17	1.0	.03	.30	1.27	.15	.10	.21	2.9	.03
L25S-22+00W	41	1.5	.03	.54	1.34	.04	.03	.09	5.3	.22
L25S-21+75W	81	<.5	.03	.16	.49	.06	.05	.08	1.8	.23
L25S-21+50W	22	2.6	.02	.46	3.34	.12	.03	.02	5.7	.02
L25S-21+25W	68	.9	.03	.29	.55	.07	.03	.16	2.7	.13
L25S-21+00W	8	1.2	.03	.29	1.99	.13	.05	.06	2.3	.03
L25S-20+75W	14	.7	.02	.23	1.85	.07	.04	.02	1.5	.04
L25S-20+50W	8	.9	.02	.13	1.28	.10	.04	.02	.9	.01
L25S-20+25W	7	.5	.03	.46	1.42	.09	.13	.05	2.5	.04
L25S-20+00W	15	1.2	.03	.24	2.59	.10	.05	.03	1.2	.02

SAMPLE	AU-1AT PPB FADCP 5	BE PPM ICP 0.5	NA % ICP 0.01	MG % ICP 0.01	AL % ICP 0.01	P % ICP 0.01	K % ICP 0.01	CA % ICP 0.01	SC PPM ICP 0.5	TI % ICP 0.01
L25S-19+75W	11	<.5	.03	.18	.90	.10	.06	.05	<.5	<.01
L25S-19+50W	17	<.5	.02	.03	.35	.02	.03	.02	<.5	.02
L25S-19+25W	11	1.7	.03	1.22	2.43	.07	.03	.05	3.8	.18
L25S-19+00W	14	.8	.03	.35	.89	.08	.03	.06	3.1	.16
L25S-18+75W	8	1.2	.02	.15	1.71	.06	.03	.06	1.1	.04
L25S-18+50W	7	.9	.03	.08	1.32	.05	.03	.01	.9	.03
L25S-18+25W	36	.5	.03	.10	1.07	.06	.03	.02	<.5	<.01
L25S-18+00W	12	1.1	.03	.45	1.58	.14	.06	.17	3.2	<.01
L25S-17+75W	19	<.5	.03	.04	.34	.03	.05	.01	.6	<.01
L25S-17+50W	<5	<.5	.03	.05	.77	.07	.04	.01	<.5	<.01
L25S-17+25W	16	1.5	.03	.24	1.11	.09	.06	.55	2.1	.02
L25S-17+00W	23	<.5	.02	.05	1.03	.08	.03	.01	<.5	<.01
L25S-16+75W	6	1.1	.03	.15	1.25	.08	.04	.01	1.1	<.01
L25S-16+50W	17	1.6	.03	.34	2.10	.13	.03	.02	1.9	.02
L25S-16+25W	18	2.0	.03	.32	3.11	.11	.04	.02	2.8	.03
L25S-16+00W	90	1.3	.03	.17	1.83	.11	.04	.02	1.0	.02
L25S-15+75W	12	<.5	.03	.04	.67	.05	.03	.01	<.5	<.01
L25S-15+50W	26	1.2	.03	.07	1.53	.32	.05	.01	<.5	<.01
L25S-15+25W	13	<.5	.03	.05	.56	.22	.13	.05	<.5	<.01
L25S-15+00W	20	2.4	.03	.58	2.06	.68	.04	.05	2.1	<.01
L25S-14+75W	20	2.2	.03	.51	2.32	.17	.02	.02	1.6	.04
L25S-14+50W	8	.6	.03	.17	1.20	.14	.05	.02	<.5	<.01
L25S-14+25W	126	1.7	.03	.97	2.81	.28	.06	.03	4.5	<.01
L25S-14+00W	9	.7	.03	.34	1.44	.09	.06	.04	1.1	.02
L25S-13+75W	13	.6	.02	.12	1.12	.08	.04	.02	<.5	<.01
L25S-13+50W	10	1.3	.03	.15	1.58	.06	.03	.07	.8	.05
L25S-13+25W	11	.7	.03	.24	1.01	.11	.06	.08	<.5	<.01
L25S-13+00W	11	.6	.03	.09	1.02	.10	.05	.02	<.5	<.01
L25S-12+75W	<5	<.5	.03	.16	1.19	.08	.04	.04	<.5	<.01
L25S-12+50W	9	1.1	.03	.07	2.01	.15	.04	.01	<.5	<.01
L25S-12+25W	6	1.3	.03	.40	1.81	.06	.04	.01	1.2	.02
L25S-12+00W	11	<.5	.03	.05	1.03	.08	.07	.01	.6	<.01
L26S-22+50W.A	41	1.0	.03	.23	1.43	.05	.05	.03	1.7	.03
L26S-22+50W	84	1.5	.03	.53	1.47	.09	.04	.09	2.9	.12
L26S-22+25W	53	2.8	.02	2.87	4.45	.27	.09	.45	6.8	.16
L26S-22+00W	69	2.4	.03	.64	5.30	.15	.03	.03	8.5	<.01
L26S-21+75W	27	<.5	.03	.39	.89	.07	.05	.16	1.8	.10
L26S-21+50W	5	3.2	.02	.68	3.63	.16	.04	.02	6.4	.01
L26S-21+25W	85	1.7	.03	.73	2.15	.12	.04	.25	3.5	.16
L26S-21+00W	43	1.7	.03	.61	2.48	.09	.04	.06	5.5	.02
L26S-20+75W	18	1.4	.03	.22	1.97	.05	.03	.02	2.2	.02
L26S-20+50W	22	1.3	.03	.28	2.00	.16	.07	1.32	23.5	.03
L26S-20+25W	14	2.2	.03	.22	3.46	.07	.02	.02	2.3	.02
L26S-20+00W	17	1.3	.03	.71	1.54	.13	.05	.20	2.4	.02
L26S-19+75W	14	1.7	.03	.81	2.85	.14	.09	.12	4.4	.02
L26S-19+50W	8	<.5	.03	.12	.75	.12	.06	.11	<.5	.02
L26S-19+25W	26	1.1	.02	.17	1.50	.17	.04	.03	1.9	<.01
L26S-19+00W	11	1.0	.02	.13	1.23	.12	.04	.04	<.5	.01
L26S-18+75W	24	.9	.03	.14	1.11	.10	.06	.01	.7	.04
L26S-18+50W	<5	1.0	.03	.28	1.54	.09	.03	.01	1.1	.02
L26S-18+25W	6	1.5	.03	.24	2.02	.13	.04	.02	.7	.03
L26S-18+00W	<5	2.1	.03	2.58	4.03	.22	.05	.30	17.3	.03
L26S-17+75W	<5	1.0	.03	.32	1.67	.11	.04	.02	1.5	<.01
L26S-17+50W	8	.6	.03	.27	1.17	.10	.06	.01	1.4	<.01
L26S-17+25W	<5	1.8	.03	.36	1.80	.11	.05	<.01	2.3	<.01
L26S-17+00W	7	1.8	.03	.23	2.15	.13	.03	.01	2.0	<.01
L26S-16+75W	16	<.5	.03	.09	.75	.05	.03	.02	<.5	<.01
L26S-16+50W	5	1.5	.02	.29	2.01	.28	.04	.01	1.9	.01
L26S-16+25W	7	1.3	.03	.19	1.67	.17	.03	.01	<.5	<.01
L26S-16+00W	<5	1.1	.03	.23	1.55	.14	.03	.01	<.5	<.01
L26S-15+75W	6	1.8	.03	.26	2.75	.14	.04	<.01	1.2	<.01
L26S-15+50W	8	<.5	.03	.04	.71	.04	.04	.03	.6	<.01
L26S-15+25W	34	1.2	.03	.40	2.12	.13	.04	.03	1.8	<.01
L26S-15+00W	17	.8	.03	.18	1.17	.12	.04	.05	.5	<.01
94JHS010	8	1.0	.03	.63	.95	.09	.12	.38	3.1	<.01
94JBS014	52	1.0	.04	1.12	1.42	.14	.12	.81	4.0	.03
94JBS023	14	1.1	.04	1.15	1.45	.11	.13	1.65	3.1	.02
94JBS024	21	1.2	.12	1.26	2.18	.14	.26	1.37	5.7	.08
94JBS026	30	1.7	.04	1.11	2.27	.13	.15	.72	6.7	.04
D L18S-22+50W	<5	1.0	.04	.34	1.26	.08	.06	.12	2.2	.03
D L18S-19+50W	NSS	.6	.03	.23	1.25	.04	.06	.05	1.7	.03
D L18S-16+25W	7	1.0	.03	.44	1.46	.06	.06	.03	1.8	.02
D L20S-21+00W	25	1.5	.04	1.67	2.33	.11	.14	.26	6.8	<.01
D L20S-18+50W	--	.6	.03	.46	1.22	.06	.10	.03	1.9	<.01
D L20S-18+00W	11	--	--	--	--	--	--	--	--	--
D L20S-15+50W	--	.7	.03	.30	1.26	.04	.06	.02	1.4	.02
D L20S-15+00W	30	--	--	--	--	--	--	--	--	--
D L21S-20+25W	--	1.0	.03	.55	1.56	.04	.07	.02	1.6	.02
D L21S-19+75W	14	--	--	--	--	--	--	--	--	--
D L21S-17+25W	--	.7	.03	.24	.75	.08	.14	.02	.7	<.01

SAMPLE	AU-1AT PPB FADCP 5	BE PPM ICP 0.5	NA % ICP 0.01	MG % ICP 0.01	AL % ICP 0.01	P % ICP 0.01	K % ICP 0.01	CA % ICP 0.01	SC PPM ICP 0.5	TI % ICP 0.01
D L21S-16+75W	8	--	--	--	--	--	--	--	--	--
D L21S-14+75W	--	1.3	.03	.28	1.75	.05	.06	.05	1.1	.10
D L21S-13+75W	5	--	--	--	--	--	--	--	--	--
D L22S-21+50W	13	--	--	--	--	--	--	--	--	--
D L22S-18+75W	--	<.5	.03	<.01	.11	<.01	.02	<.01	<.5	.01
D L22S-17+75W	8	--	--	--	--	--	--	--	--	--
D L22S-15+75W	--	<.5	.03	.12	1.16	.08	.04	.02	<.5	<.01
D L22S-14+75W	35	--	--	--	--	--	--	--	--	--
D L22S-13+25W	--	1.1	.03	.17	2.21	.10	.03	.03	.9	.01
D L22S-22+50W	51	1.4	.03	1.51	2.44	.15	.08	.20	7.7	<.01
D L23S-21+00W	--	2.8	.02	.49	3.27	.12	.02	.03	4.9	.08
D L23S-19+50W	11	--	--	--	--	--	--	--	--	--
D L23S-18+00W	--	1.6	.02	.54	2.51	.03	.02	<.01	2.1	.02
D L23S-16+50W	5	--	--	--	--	--	--	--	--	--
D L23S-15+00W	--	<.5	.03	.04	.71	.12	.04	.02	<.5	<.01
D L23S-13+50W	NSS	--	--	--	--	--	--	--	--	--
D L23S-12+50W	--	<.5	.03	.05	.94	.09	.03	.02	<.5	<.01
D L24S-21+00W	77	--	--	--	--	--	--	--	--	--
D L24S-20+00W	--	<.5	.02	.03	.31	.05	.05	.02	<.5	.02
D L24S-18+00W	13	--	--	--	--	--	--	--	--	--
D L24S-17+00W	--	1.0	.03	.15	1.05	.11	.04	.02	.8	<.01
D L24S-15+00W	19	--	--	--	--	--	--	--	--	--
D L24S-14+00W	--	1.7	.02	.37	1.19	.27	.08	.79	15.2	<.01
D L24S-12+00W	18	--	--	--	--	--	--	--	--	--
D L25S-22+25W	--	1.0	.03	.31	1.25	.15	.10	.21	3.2	.03
D L25S-19+75W	16	--	--	--	--	--	--	--	--	--
D L25S-19+25W	--	1.6	.03	1.14	2.24	.07	.02	.05	3.7	.16
D L25S-16+75W	6	--	--	--	--	--	--	--	--	--
D L25S-16+25W	--	1.7	.02	.30	2.95	.11	.03	.01	2.4	.03
D L25S-13+75W	19	--	--	--	--	--	--	--	--	--
D L25S-13+25W	--	.6	.03	.21	.96	.12	.05	.08	<.5	<.01
D L26S-21+75W	23	<.5	.03	.35	.76	.07	.04	.12	1.4	.07
D L26S-18+75W	27	.8	.02	.12	.95	.09	.04	.01	<.5	.03
D L26S-15+75W	8	1.8	.03	.24	2.59	.15	.03	<.01	.8	<.01

SAMPLE	V PPM ICP 2	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN % XRF 0.01	ZN PPM ICP 0.5	AS PPM ICP 3
L18S-22+50W	94	18	364	3.03	5	9	33.4	--	49.8	17
L18S-22+25W	214	64	607	4.89	14	14	38.6	--	46.2	<3
L18S-22+00W	87	19	226	2.93	3	6	19.3	--	44.9	17
L18S-21+75W	164	38	250.	2.34	4	9	11.1	--	23.4	5
L18S-21+50W	8	6	24.0	.12	<1	1	2.6	--	3.3	<3
L18S-21+25W	116	25	127	4.07	2	4	21.8	--	28.4	20
L18S-21+00W	110	8	70.0	1.48	5	3	31.2	--	22.3	11
L18S-20+75W	195	115	675	6.58	13	16	62.7	--	84.4	4
L18S-20+50W	13	9	28.0	.19	2	2	15.6	--	16.0	5
L18S-20+25W	43	4	21.0	.57	1	3	5.7	--	11.4	5
L18S-20+00W	63	25	174	1.48	5	5	16.7	--	23.7	<3
L18S-19+75W	28	11	28.0	.86	1	<1	16.9	--	13.2	3
L18S-19+50W	87	18	105	2.09	3	8	17.3	--	25.7	9
L18S-19+25W	112	9	87.0	2.50	3	5	20.2	--	28.9	17
L18S-19+00W	82	27	801	3.15	7	13	19.2	--	103	12
L18S-18+50W	40	5	76.0	.93	3	3	12.6	--	20.3	5
L18S-18+25W	75	33	220	3.49	4	11	28.7	--	36.0	17
L18S-18+00W	101	22	224	4.29	3	7	20.7	--	39.9	12
L18S-17+75W	100	28	234	4.55	3	8	22.4	--	31.8	21
L18S-17+50W	110	22	218	3.91	4	12	25.4	--	35.8	13
L18S-17+25W	189	11	140	2.90	4	13	32.7	--	19.7	31
L18S-17+00W	20	4	122	1.06	5	3	46.0	--	27.9	10
L18S-16+75W	52	20	1020	3.24	29	15	46.7	--	135	16
L18S-16+50W	91	10	68.0	2.00	2	3	13.5	--	18.4	14
L18S-16+25W	123	19	218	4.10	3	9	21.3	--	26.6	18
L18S-16+00W	15	5	19.0	.63	2	<1	10.5	--	10.3	10
L18S-15+75W	8	4	56.0	.78	<1	<1	7.9	--	8.3	5
L18S-15+50W	72	16	194	4.87	5	8	49.3	--	31.6	18
L18S-15+25W	106	29	7240	5.53	66	8	28.2	--	47.8	27
L18S-15+00W	80	28	250	4.84	4	14	30.8	--	41.2	16
L20S-22+50W	32	10	51.0	.69	3	4	10.0	--	13.6	3
L20S-22+25W	210	49	133	2.43	5	9	11.1	--	28.7	5
L20S-22+00W	10	5	43.0	1.21	2	2	25.4	--	22.4	5
L20S-21+75W	86	21	102	2.78	3	6	23.7	--	31.4	11
L20S-21+50W	89	16	155	2.54	5	7	29.0	--	29.7	9
L20S-21+25W	71	9	140	1.92	3	4	19.6	--	40.9	25
L20S-21+00W	95	43	1280	4.60	19	26	64.7	--	216	124
L20S-20+75W	174	27	467	5.21	6	8	25.0	--	36.3	11
L20S-20+50W	96	29	390	5.96	6	6	35.2	--	53.7	15
L20S-20+25W	174	26	367	4.38	6	9	17.3	--	39.5	25
L20S-20+00W	266	86	348	6.67	10	16	32.4	--	45.1	16

SAMPLE	V PPM ICP 2	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN % XRF 0.01	ZN PPM ICP 0.5	AS PPM ICP 3
L20S-19+75W	83	26	174	3.15	3	6	25.8	--	23.1	11
L20S-19+50W	69	16	1020	4.65	9	10	36.4	--	87.8	26
L20S-19+25W	209	76	1410	5.55	26	28	74.1	--	189	<3
L20S-19+00W	83	29	583	3.13	6	33	13.0	--	45.9	19
L20S-18+75W	62	14	249	2.51	2	6	17.0	--	25.9	19
L20S-18+50W	92	24	141	1.86	3	8	22.6	--	39.4	11
L20S-18+25W	93	27	251	3.54	3	7	18.0	--	24.7	15
L20S-18+00W	15	4	134	1.31	2	2	5.1	--	22.5	7
L20S-17+75W	72	24	827	3.67	7	13	31.7	--	54.8	28
L20S-17+50W	114	17	155	3.03	2	9	26.7	--	20.3	15
L20S-17+25W	59	21	2210	3.74	12	11	27.8	--	88.6	15
L20S-17+00W	48	17	264	2.32	4	11	24.1	--	12.5	6
L20S-16+75W	92	19	190	3.49	2	5	23.8	--	22.7	14
L20S-16+50W	50	21	665	2.98	6	9	23.6	--	38.2	13
L20S-16+25W	51	7	77.0	.68	<1	2	8.7	--	26.3	6
L20S-16+00W	18	4	44.0	.37	<1	1	7.7	--	9.0	5
L20S-15+75W	66	32	296	3.13	5	13	22.0	--	47.6	16
L20S-15+50W	68	13	134	2.64	2	6	18.5	--	18.8	13
L20S-15+25W	13	10	45.0	.41	<1	2	4.9	--	5.7	6
L20S-15+00W	8	4	25.0	.16	<1	<1	3.7	--	5.2	<3
L21S-22+50W	164	27	447	3.42	3	6	22.3	--	25.2	14
L21S-22+25W	94	29	329	5.04	4	11	32.6	--	59.4	18
L21S-22+00W	76	20	5020	4.43	42	14	62.7	--	175	27
L21S-21+75W	42	43	22300	3.24	39	25	246	--	219	7
L21S-21+50W	83	54	423	3.02	8	18	28.5	--	27.3	16
L21S-21+25W	79	15	211	2.97	2	7	22.8	--	37.7	10
L21S-21+00W	101	28	333	6.07	4	9	21.3	--	41.0	18
L21S-20+75W	98	12	132	3.12	3	6	32.5	--	41.9	28
L21S-20+50W	114	18	252	3.18	3	7	19.2	--	26.6	15
L21S-20+25W	91	24	381	3.83	5	12	26.7	--	41.5	22
L21S-20+00W	92	10	70.0	1.51	2	5	16.3	--	21.4	19
L21S-19+75W	115	59	3140	4.70	25	12	37.1	--	82.0	15
L21S-19+50W	89	54	853	4.40	15	18	69.7	--	129	23
L21S-19+25W	157	85	1420	4.65	24	16	48.2	--	56.0	<3
L21S-19+00W	80	11	43.0	.76	<1	<1	6.2	--	10.3	<3
L21S-18+75W	24	9	108	.45	2	2	5.8	--	9.6	<3
L21S-18+50W	94	30	305	1.74	4	5	11.6	--	18.6	<3
L21S-18+25W	84	28	597	4.21	8	17	19.5	--	59.2	4
L21S-18+00W	96	18	339	5.14	5	9	35.0	--	58.2	113
L21S-17+75W	55	19	538	3.04	5	13	30.0	--	39.8	14
L21S-17+50W	81	33	342	4.67	5	15	31.3	--	51.5	17
L21S-17+25W	52	7	87.0	2.69	1	3	19.0	--	22.3	11
L21S-17+00W	139	21	76.0	5.08	<1	3	17.5	--	17.1	18
L21S-16+75W	71	17	222	4.45	3	11	27.2	--	144	22
L21S-16+50W	88	23	200	4.36	3	9	24.1	--	34.0	18
L21S-16+25W	93	17	157	4.25	1	6	17.8	--	27.9	17
L21S-16+00W	66	14	118	2.15	2	6	14.5	--	25.4	15
L21S-15+75W	30	9	54.0	1.06	<1	5	10.5	--	9.7	4
L21S-15+50W	38	10	51.0	1.05	<1	2	6.3	--	10.9	4
L21S-15+25W	94	16	412	3.60	4	11	23.8	--	33.6	25
L21S-15+00W	52	43	1340	3.30	12	24	43.7	--	334	78
L21S-14+75W	156	14	1450	5.02	8	3	11.5	--	28.7	29
L21S-14+50W	40	12	87.0	1.07	2	4	9.6	--	17.7	6
L21S-14+25W	27	8	129	.72	2	1	12.0	--	21.4	5
L21S-14+00W	118	50	4310	5.89	27	19	49.0	--	33.1	57
L21S-13+75W	41	10	141	1.31	2	4	7.6	--	16.5	8
L21S-13+50W	50	13	145	2.07	2	7	18.7	--	30.3	16
L21S-13+25W	60	23	174	2.82	4	7	17.5	--	26.8	15
L21S-13+00W	27	8	96.0	1.08	2	<1	11.7	--	30.9	4
L21S-12+75W	56	24	488	4.57	6	12	19.3	--	34.3	14
L21S-12+50W	63	19	153	2.38	3	12	19.3	--	28.0	21
L21S-12+25W	48	13	1320	2.62	7	8	17.9	--	47.5	14
L21S-12+00W	42	29	2020	3.40	15	30	46.6	--	109	24
L22S-22+50W	178	43	1140	5.19	17	15	23.3	--	49.2	14
L22S-22+25W	52	8	291	2.06	5	4	23.3	--	17.7	15
L22S-22+00W	122	19	199	3.08	4	7	16.5	--	19.7	16
L22S-21+75W	98	21	1060	3.20	7	7	26.1	--	46.8	20
L22S-21+50W	127	31	305	3.72	4	8	18.8	--	53.9	11
L22S-21+00W	93	17	81.0	1.60	6	8	24.7	--	26.6	18
L22S-20+50W	47	11	270	2.94	6	7	16.8	--	51.9	<3
L22S-20+00W	123	35	517	4.14	7	6	24.5	--	39.5	8
L22S-19+75W	141	47	3780	10.6	33	10	61.1	--	147	68
L22S-19+50W	160	47	4970	4.92	37	12	49.3	--	83.1	<3
L22S-19+25W	35	11	95.0	.39	1	<1	6.2	--	11.1	<3
L22S-19+00W	66	18	85.0	1.69	2	7	10.7	--	15.8	4
L22S-18+75W	9	4	17.0	.18	1	<1	2.3	--	3.3	<3
L22S-18+50W	41	4	68.0	.88	5	5	13.3	--	22.1	7
L22S-18+25W	128	18	197	3.82	5	3	16.7	--	18.9	18
L22S-18+00W	199	17	162	1.99	4	5	8.0	--	14.6	9
L22S-17+75W	133	30	61.0	6.19	4	5	27.9	--	20.2	14

SAMPLE	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN % XRF 0.01	ZN PPM ICP 0.5	AS PPM ICP 3
L22S-17+50W	14	103	2.62	5	5	20.3	--	20.3	13
L22S-17+25W	13	67.0	3.01	4	5	22.5	--	24.9	19
L22S-17+00W	24	367	4.13	6	9	21.6	--	34.7	31
L22S-16+75W	16	87.0	3.34	4	6	18.3	--	21.6	18
L22S-16+50W	17	126	4.50	4	3	21.1	--	28.8	16
L22S-16+25W	7	219	3.83	7	9	30.2	--	24.5	19
L22S-16+00W	13	265	2.52	10	15	131	--	73.4	7
L22S-15+75W	10	75.0	1.54	1	4	16.8	--	18.7	13
L22S-15+50W	52	466	5.85	9	15	45.2	--	60.6	27
L22S-15+25W	24	96.0	2.37	4	12	24.2	--	29.5	13
L22S-15+00W	3	20.0	.35	3	<1	3.4	--	8.4	<3
L22S-14+75W	7	160	1.73	6	6	18.4	--	37.9	24
L22S-14+50W	31	99.0	4.20	4	9	18.8	--	19.8	22
L22S-14+25W	11	42.0	3.20	3	2	6.8	--	10.8	7
L22S-14+00W	15	320	3.19	5	11	34.6	--	30.2	19
L22S-13+75W	7	72.0	1.03	5	5	21.4	--	29.9	14
L22S-13+50W	4	27.0	.45	2	2	7.0	--	9.3	3
L22S-13+25W	13	246	3.76	7	9	44.4	--	39.0	23
L22S-13+00W	2	79.0	.69	3	2	5.6	--	11.7	<3
L22S-12+75W	10	38.0	2.09	3	6	12.7	--	11.7	13
L22S-12+50W	19	2440	2.85	15	13	24.3	--	133	18
L22S-12+25W	7	54.0	1.26	3	3	9.4	--	13.1	13
L22S-12+00W	10	60.0	2.45	3	4	12.1	--	16.0	20
L22S-22+50W	34	1640	6.24	28	14	84.7	--	69.4	39
L23S-22+25W	23	2990	4.06	25	8	48.5	--	40.0	14
L23S-22+00W	12	66.0	.50	3	3	7.1	--	9.3	4
L23S-21+75W	23	62.0	3.68	3	5	22.6	--	16.7	12
L23S-21+50W	12	69.0	.85	3	3	8.6	--	10.6	<3
L23S-21+25W	45	692	7.35	8	7	57.4	--	31.2	15
L23S-21+00W	67	325	11.0	9	6	129	--	43.5	31
L23S-20+75W	17	63.0	.58	3	2	25.5	--	6.9	<3
L23S-20+50W	28	95.0	2.53	5	8	30.4	--	16.9	7
L23S-20+25W	12	29.0	.93	3	3	11.5	--	11.1	3
L23S-20+00W	29	110	7.29	4	3	27.7	--	29.6	22
L23S-19+75W	10	76.0	1.74	4	4	18.5	--	75.0	18
L23S-19+50W	30	230	4.45	7	5	26.8	--	37.9	15
L23S-19+25W	10	58.0	.88	3	4	10.7	--	15.3	7
L23S-19+00W	12	105	2.55	3	5	13.1	--	14.3	12
L23S-18+75W	3	16.0	.70	2	4	6.4	--	8.9	5
L23S-18+50W	8	85.0	2.19	4	4	18.7	--	20.7	35
L23S-18+25W	9	30.0	2.01	3	2	11.6	--	7.9	14
L23S-18+00W	33	265	6.65	8	14	36.5	--	61.8	22
L23S-17+75W	12	49.0	2.87	2	3	11.5	--	12.3	10
L23S-17+50W	3	31.0	.44	3	1	5.2	--	7.4	9
L23S-17+25W	21	93.0	4.44	4	7	28.5	--	26.9	22
L23S-17+00W	8	73.0	1.78	3	3	10.9	--	15.2	13
L23S-16+75W	3	30.0	1.87	3	3	24.8	--	12.8	15
L23S-16+50W	28	5830	7.61	36	19	79.5	--	189	65
L23S-16+25W	12	80.0	.65	3	4	6.4	--	18.8	3
L23S-16+00W	46	217	3.54	6	11	22.3	--	33.6	17
L23S-15+75W	25	649	6.86	8	12	64.7	--	171	76
L23S-15+50W	5	40.0	2.06	3	1	9.2	--	11.4	21
L23S-15+25W	74	6020	5.75	24	47	49.8	--	220	149
L23S-15+00W	4	93.0	1.08	5	5	20.2	--	21.0	8
L23S-14+75W	5	329	1.37	5	3	11.6	--	22.4	3
L23S-14+50W	4	49.0	.72	4	2	6.9	--	17.8	5
L23S-14+25W	8	55.0	2.28	2	1	12.9	--	11.1	16
L23S-14+00W	7	214	1.20	4	3	19.0	--	18.3	15
L23S-13+75W	17	2670	4.11	12	7	24.7	--	50.4	9
L23S-13+50W	18	160	4.58	5	8	21.0	--	24.3	15
L23S-13+25W	19	131	3.79	5	10	20.3	--	27.0	11
L23S-13+00W	20	182	4.15	3	10	22.2	--	31.0	14
L23S-12+75W	16	45.0	3.78	2	4	16.3	--	9.0	21
L23S-12+50W	9	81.0	1.72	4	5	14.9	--	15.2	8
L23S-12+25W	7	432	1.62	7	4	20.6	--	24.7	10
L23S-12+00W	29	651	7.16	7	10	44.2	--	47.0	10
L23S-22+25W	38	313	6.04	8	8	34.0	--	40.7	44
L24S-22+00W	67	179	8.52	10	11	49.4	--	31.0	16
L24S-21+75W	51	711	8.71	19	10	49.4	--	84.5	85
L24S-21+50W	16	70.0	2.99	3	5	35.7	--	21.6	54
L24S-21+25W	18	40.0	.62	3	4	13.9	--	12.5	<3
L24S-21+00W	38	314	7.19	10	9	76.8	--	40.4	48
L24S-20+75W	23	252	3.22	3	10	37.6	--	57.2	22
L24S-20+50W	66	9430	5.87	58	14	155	--	143	16
L24S-20+25W	37	1050	5.39	13	9	102	--	40.2	13
L24S-20+00W	4	60.0	.61	<1	5	8.6	--	14.5	6
L24S-19+75W	38	3150	3.12	49	15	68.0	--	55.0	9
L24S-19+50W	85	209	2.63	9	22	34.7	--	38.5	<3
L24S-19+25W	7	217	.67	1	5	11.3	--	22.4	3
L24S-19+00W	29	103	.90	2	8	11.1	--	13.5	<3

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SAMPLE	V PPM ICP 2	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN % XRF 0.01	ZN PPM ICP 0.5	AS PPM ICP 3
L24S-18+75W	92	43	202	1.92	3	11	10.8	--	18.0	22
L24S-18+50W	84	4	46.0	.88	<1	4	6.4	--	10.8	6
L24S-18+25W	172	14	85.0	4.27	1	5	19.0	--	18.8	19
L24S-18+00W	83	17	106	3.10	2	5	20.8	--	19.7	17
L24S-17+75W	94	16	248	5.02	3	7	27.7	--	67.1	27
L24S-17+50W	46	31	6730	3.97	20	39	78.0	--	777	60
L24S-17+25W	71	18	3480	4.66	29	14	42.1	--	173	21
L24S-17+00W	116	14	459	4.97	8	12	55.3	--	39.4	37
L24S-16+75W	93	49	681	6.09	12	26	59.4	--	25.9	38
L24S-16+50W	107	76	845	10.3	15	68	36.1	--	29.6	61
L24S-16+25W	38	22	7080	4.41	12	20	58.2	--	226	15
L24S-16+00W	42	16	218	1.61	4	8	29.5	--	29.3	19
L24S-15+75W	27	4	95.0	.69	1	3	14.3	--	19.4	3
L24S-15+50W	98	6	31.0	1.98	<1	3	9.4	--	10.4	16
L24S-15+25W	21	43	3530	1.45	22	109	100	--	530	35
L24S-15+00W	34	24	7090	3.58	23	47	74.9	--	897	52
L24S-14+75W	50	3	182	1.60	2	5	22.5	--	27.0	7
L24S-14+50W	6	2	37.0	.23	1	4	11.1	--	22.5	5
L24S-14+25W	92	7	75.0	2.22	1	7	15.0	--	26.0	21
L24S-14+00W	56	26	14500	8.73	39	40	168	--	575	231
L24S-13+75W	34	3	112	1.17	2	3	4.6	--	24.8	<3
L24S-13+50W	99	19	116	4.25	3	8	17.5	--	22.3	20
L24S-13+25W	30	5	6020	2.88	5	<1	20.9	--	353	2500
L24S-13+00W	57	12	107	2.36	2	7	15.2	--	24.4	19
L24S-12+75W	16	3	26.0	.55	<1	<1	3.7	--	9.6	<3
L24S-12+50W	84	6	45.0	1.19	3	7	15.5	--	19.7	16
L24S-12+25W	36	4	34.0	.60	<1	2	5.6	--	9.7	11
L24S-12+00W	94	26	3370	6.56	12	18	27.7	--	70.8	86
L25S-22+50W	149	31	268	5.94	9	8	44.0	--	60.2	40
L25S-22+25W	93	17	158	3.33	11	10	26.0	--	50.4	13
L25S-22+00W	321	90	264	6.44	10	18	32.2	--	53.8	12
L25S-21+75W	198	23	88.0	1.78	4	13	18.6	--	14.7	9
L25S-21+50W	319	62	235	9.78	7	17	98.1	--	75.9	193
L25S-21+25W	208	23	148	3.47	10	10	76.9	--	46.5	189
L25S-21+00W	179	34	301	4.66	4	11	37.6	--	38.3	61
L25S-20+75W	135	20	99.0	3.08	<1	6	19.4	--	30.9	27
L25S-20+50W	109	19	126	4.18	3	10	27.3	--	28.5	27
L25S-20+25W	91	31	185	2.05	4	12	17.1	--	35.7	15
L25S-20+00W	57	38	211	4.79	4	8	45.8	--	86.4	34
L25S-19+75W	27	11	90.0	.76	3	6	14.1	--	17.7	<3
L25S-19+50W	44	2	28.0	.63	2	2	5.0	--	8.6	3
L25S-19+25W	261	107	188	6.55	6	26	33.1	--	32.9	8
L25S-19+00W	199	59	147	3.57	5	9	27.5	--	27.4	6
L25S-18+75W	197	24	170	5.95	1	8	22.8	--	31.1	29
L25S-18+50W	172	12	83.0	3.95	3	6	14.7	--	18.8	23
L25S-18+25W	63	8	70.0	1.90	2	4	10.8	--	27.4	23
L25S-18+00W	103	23	1260	3.31	12	19	50.0	--	155	22
L25S-17+75W	297	11	28.0	1.31	3	8	31.4	--	29.9	27
L25S-17+50W	58	6	65.0	1.80	<1	6	9.1	--	9.3	10
L25S-17+25W	55	17	1210	4.16	10	25	71.9	--	480	75
L25S-17+00W	55	7	34.0	1.78	1	4	11.9	--	12.3	14
L25S-16+75W	92	19	149	4.73	4	12	34.2	--	30.9	19
L25S-16+50W	176	25	525	7.46	6	10	48.6	--	42.3	19
L25S-16+25W	113	61	242	7.82	4	12	45.2	--	41.4	24
L25S-16+00W	115	25	699	6.01	4	7	30.3	--	44.9	20
L25S-15+75W	62	7	69.0	1.24	4	7	15.1	--	26.3	18
L25S-15+50W	64	14	527	5.27	6	10	60.7	--	49.1	53
L25S-15+25W	28	7	13100	2.12	16	<1	18.9	--	55.0	14
L25S-15+00W	192	56	6820	13.0	45	19	156	--	45.3	50
L25S-14+75W	193	65	2030	10.3	15	23	61.6	--	25.4	26
L25S-14+50W	48	9	347	1.93	1	8	19.6	--	27.1	14
L25S-14+25W	157	69	5150	6.35	38	12	43.8	--	70.2	29
L25S-14+00W	78	17	233	2.91	4	11	16.0	--	42.8	15
L25S-13+75W	44	10	99.0	2.08	3	8	28.3	--	44.2	43
L25S-13+50W	74	14	136	4.65	3	7	19.2	--	56.3	29
L25S-13+25W	51	16	426	2.40	4	10	21.0	--	48.6	18
L25S-13+00W	53	11	362	2.34	2	5	13.6	--	26.3	13
L25S-12+75W	40	9	90.0	1.26	2	6	10.2	--	15.0	8
L25S-12+50W	71	18	910	4.85	7	9	39.0	--	29.1	14
L25S-12+25W	130	28	314	6.21	3	13	24.8	--	36.4	26
L25S-12+00W	40	4	47.0	.97	4	6	14.0	--	24.4	11
L26S-22+50W.A	105	19	190	3.59	5	13	31.3	--	66.8	84
L26S-22+50W	264	42	209	6.44	11	12	97.0	--	48.4	26
L26S-22+25W	358	160	921	9.97	27	60	96.0	--	118	31
L26S-22+00W	124	92	1460	8.55	28	17	96.5	--	37.9	114
L26S-21+75W	100	28	202	1.47	3	7	5.7	--	19.0	3
L26S-21+50W	292	33	414	13.4	11	12	91.3	--	120	34
L26S-21+25W	307	58	410	7.23	9	14	71.0	--	38.8	10
L26S-21+00W	244	51	385	7.18	10	14	58.7	--	38.8	15
L26S-20+75W	155	24	143	5.26	4	8	32.6	--	58.9	35

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SAMPLE	V PPM ICP 2	CR PPM ICP 1	MN PPM ICP 2.00	FE % ICP 0.01	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN % XRF 0.01	ZN PPM ICP 0.5	AS PPM ICP 3
L26S-20+50W	75	33	9880	3.70	26	159	496	.16	1020	106
L26S-20+25W	197	40	409	8.91	6	9	36.5	--	41.1	36
L26S-20+00W	102	22	755	4.63	12	20	63.7	--	93.6	132
L26S-19+75W	100	31	2230	5.33	34	36	116	--	376	71
L26S-19+50W	28	13	68.0	1.07	4	6	18.8	--	53.0	20
L26S-19+25W	131	35	131	4.86	5	12	36.5	--	67.5	83
L26S-19+00W	91	16	1020	4.66	4	8	17.8	--	35.1	55
L26S-18+75W	66	16	855	3.98	7	10	30.0	--	74.3	53
L26S-18+50W	105	20	238	4.31	4	9	20.3	--	29.8	23
L26S-18+25W	107	24	304	6.61	3	9	25.4	--	61.6	28
L26S-18+00W	246	90	1850	7.51	34	28	65.5	--	103	31
L26S-17+75W	100	26	796	3.95	9	11	38.9	--	47.2	15
L26S-17+50W	70	12	161	2.47	4	11	24.2	--	19.5	13
L26S-17+25W	177	23	579	7.53	9	18	69.1	--	44.3	32
L26S-17+00W	181	27	191	8.51	5	11	54.2	--	45.8	26
L26S-16+75W	26	7	32.0	.67	1	3	4.4	--	8.6	7
L26S-16+50W	182	37	888	6.72	7	10	33.8	--	48.2	40
L26S-16+25W	78	17	145	5.78	5	9	29.0	--	44.7	33
L26S-16+00W	95	21	450	4.81	4	8	22.4	--	32.6	23
L26S-15+75W	88	25	825	7.88	8	7	38.4	--	32.6	17
L26S-15+50W	41	5	86.0	.62	2	4	9.6	--	17.7	9
L26S-15+25W	120	20	235	5.12	5	9	35.0	--	32.5	18
L26S-15+00W	82	17	507	3.49	5	10	32.9	--	45.6	17
94JHS010	33	37	2870	3.09	12	32	67.7	--	566	103
94JBS014	65	35	1020	3.50	14	40	86.4	--	124	57
94JBS023	55	72	1200	3.65	15	67	81.1	--	156	38
94JBS024	184	59	1110	3.88	16	69	104	--	337	78
94JBS026	83	38	1580	4.47	18	33	95.5	--	152	40
D L18S-22+50W	104	18	418	3.35	7	13	35.1	--	54.9	19
D L18S-19+50W	95	20	118	2.31	4	12	17.8	--	28.3	12
D L18S-16+25W	138	19	247	4.66	4	11	23.4	--	29.4	18
D L20S-21+00W	113	50	1440	5.35	21	31	69.8	--	243	133
D L20S-18+50W	111	30	172	2.30	5	12	26.1	--	46.9	18
D L20S-18+00W	--	--	--	--	--	--	--	--	--	--
D L20S-15+50W	74	14	144	2.86	3	7	19.0	--	20.1	15
D L20S-15+00W	--	--	--	--	--	--	--	--	--	--
D L21S-20+25W	91	22	378	3.83	5	13	25.3	--	40.8	22
D L21S-19+75W	--	--	--	--	--	--	--	--	--	--
D L21S-17+25W	53	5	86.0	2.75	1	6	19.0	--	24.5	7
D L21S-16+75W	--	--	--	--	--	--	--	--	--	--
D L21S-14+75W	185	15	1570	5.46	11	6	12.7	--	32.1	29
D L21S-13+75W	--	--	--	--	--	--	--	--	--	--
D L22S-21+50W	--	--	--	--	--	--	--	--	--	--
D L22S-18+75W	8	4	17.0	.18	<1	<1	2.0	--	3.6	<3
D L22S-17+75W	--	--	--	--	--	--	--	--	--	--
D L22S-15+75W	42	8	72.0	1.50	<1	6	15.7	--	18.1	11
D L22S-14+75W	--	--	--	--	--	--	--	--	--	--
D L22S-13+25W	77	14	257	3.97	5	11	45.6	--	41.2	28
D L22S-22+50W	182	43	1170	5.40	17	18	23.2	--	50.9	12
D L23S-21+00W	231	66	331	11.4	8	8	131	--	42.5	34
D L23S-19+50W	--	--	--	--	--	--	--	--	--	--
D L23S-18+00W	87	32	263	6.74	5	15	36.5	--	60.3	23
D L23S-16+50W	--	--	--	--	--	--	--	--	--	--
D L23S-15+00W	21	4	81.0	1.02	3	6	16.8	--	18.7	12
D L23S-13+50W	--	--	--	--	--	--	--	--	--	--
D L23S-12+50W	37	8	82.0	1.78	3	5	15.7	--	15.7	8
D L24S-21+00W	--	--	--	--	--	--	--	--	--	--
D L24S-20+00W	39	4	55.0	.53	1	4	7.4	--	12.9	5
D L24S-18+00W	--	--	--	--	--	--	--	--	--	--
D L24S-17+00W	108	11	432	4.69	6	12	52.9	--	36.9	40
D L24S-15+00W	--	--	--	--	--	--	--	--	--	--
D L24S-14+00W	50	22	13400	7.97	35	36	139	--	526	212
D L24S-12+00W	--	--	--	--	--	--	--	--	--	--
D L25S-22+25W	94	17	173	3.39	11	10	26.0	--	49.4	13
D L25S-19+75W	--	--	--	--	--	--	--	--	--	--
D L25S-19+25W	255	98	179	6.31	6	27	31.3	--	31.4	10
D L25S-16+75W	--	--	--	--	--	--	--	--	--	--
D L25S-16+25W	106	57	231	7.47	3	12	42.2	--	38.5	28
D L25S-13+75W	--	--	--	--	--	--	--	--	--	--
D L25S-13+25W	48	12	418	2.39	5	8	20.4	--	47.0	17
D L26S-21+75W	83	25	180	1.32	3	6	5.1	--	16.6	<3
D L26S-18+75W	57	11	792	3.68	4	9	27.3	--	62.4	50
D L26S-15+75W	82	23	821	7.60	6	5	37.0	--	30.5	12

EMPIRE

EMPIRE

SAMPLE	SR PPM ICP 0.5	Y PPM ICP 0.1	ZR PPM ICP 0.5	MO PPM ICP 1	AG PPM ICP 0.1	CD PPM ICP 1	SN PPM ICP 10	SB PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5
L18S-22+50W	13.7	5.0	.8	9	1.3	<1	<10	<5	58	9.0
L18S-22+25W	12.8	2.3	<.5	2	4.1	<1	<10	<5	30	2.1

SAMPLE	Y PPM ICP 0.1	ZR PPM ICP 0.5	MO PPM ICP 1	AG PPM ICP 0.1	CD PPM ICP 1	SN PPM ICP 10	SB PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5
L18S-22+00W	2.3	1.4	4	.9	<1	<10	<5	37	6.9
L18S-21+75W	3.0	1.3	4	1.0	<1	<10	<5	24	4.4
L18S-21+50W	.7	<.5	2	.5	<1	<10	<5	13	7.4
L18S-21+25W	1.2	5.6	3	1.4	<1	<10	<5	37	5.4
L18S-21+00W	.9	<.5	4	2.1	<1	<10	<5	15	3.3
L18S-20+75W	3.1	<.5	2	.7	<1	<10	<5	52	3.9
L18S-20+50W	3.0	<.5	3	2.6	<1	<10	<5	46	2.5
L18S-20+25W	.7	1.2	4	1.5	<1	<10	<5	20	9.3
L18S-20+00W	2.1	.7	3	2.7	<1	<10	<5	75	1.7
L18S-19+75W	2.2	<.5	4	2.6	<1	<10	<5	32	2.7
L18S-19+50W	1.7	.5	5	1.1	<1	<10	<5	56	7.9
L18S-19+25W	1.5	<.5	9	1.8	<1	<10	<5	38	8.2
L18S-19+00W	5.3	<.5	14	2.4	<1	<10	<5	65	10.2
L18S-18+50W	1.0	<.5	5	2.3	<1	<10	<5	40	5.2
L18S-18+25W	1.6	8.8	3	1.5	<1	<10	<5	38	2.7
L18S-18+00W	1.6	<.5	4	.9	<1	<10	<5	45	3.0
L18S-17+75W	1.8	2.2	6	1.6	<1	<10	<5	37	6.4
L18S-17+50W	1.8	<.5	7	1.2	<1	<10	<5	46	6.5
L18S-17+25W	1.5	<.5	62	1.8	<1	<10	<5	38	11.0
L18S-17+00W	1.7	<.5	7	3.0	<1	<10	<5	46	1.9
L18S-16+75W	10.9	3.5	5	5.9	<1	<10	<5	65	15.5
L18S-16+50W	.8	<.5	6	.7	<1	<10	<5	42	5.3
L18S-16+25W	1.3	1.9	6	2.0	<1	<10	<5	35	7.1
L18S-16+00W	1.7	<.5	2	2.1	<1	<10	<5	22	1.8
L18S-15+75W	1.1	<.5	3	.9	<1	<10	<5	29	1.1
L18S-15+50W	1.4	1.4	5	1.2	<1	<10	<5	30	5.7
L18S-15+25W	2.5	1.4	26	2.8	<1	<10	<5	42	9.4
L18S-15+00W	2.0	1.1	4	.9	<1	<10	<5	43	5.8
L20S-22+50W	.7	1.7	1	1.3	<1	<10	<5	19	2.3
L20S-22+25W	1.5	2.9	3	1.5	<1	<10	<5	22	3.4
L20S-22+00W	3.1	<.5	3	3.6	<1	<10	<5	40	1.4
L20S-21+75W	1.8	.8	3	1.7	<1	<10	<5	38	4.7
L20S-21+50W	1.9	1.0	3	.7	<1	<10	<5	36	4.9
L20S-21+25W	1.7	<.5	9	1.0	<1	<10	<5	29	10.5
L20S-21+00W	4.4	1.1	5	2.3	<1	<10	<5	47	6.9
L20S-20+75W	3.0	<.5	3	1.2	<1	<10	<5	35	5.3
L20S-20+50W	4.6	6.7	6	1.3	<1	<10	<5	45	6.9
L20S-20+25W	1.8	<.5	4	.9	<1	<10	<5	41	8.5
L20S-20+00W	1.8	<.5	4	.7	<1	<10	<5	40	6.7
L20S-19+75W	1.1	<.5	3	.4	<1	<10	<5	28	4.8
L20S-19+50W	5.8	3.4	20	1.1	<1	<10	<5	65	15.4
L20S-19+25W	9.6	1.3	2	1.5	<1	<10	<5	95	7.2
L20S-19+00W	1.9	<.5	5	.3	<1	<10	<5	39	5.4
L20S-18+75W	1.7	<.5	6	.8	<1	<10	<5	43	7.5
L20S-18+50W	1.3	<.5	7	1.3	<1	<10	<5	30	8.5
L20S-18+25W	1.5	<.5	4	2.0	<1	<10	<5	36	8.0
L20S-18+00W	1.3	<.5	3	1.0	<1	<10	<5	77	20.7
L20S-17+75W	2.3	2.3	7	2.0	<1	<10	<5	48	7.2
L20S-17+50W	1.5	<.5	5	1.5	<1	<10	<5	60	4.9
L20S-17+25W	4.2	<.5	12	2.7	<1	<10	<5	64	10.3
L20S-17+00W	1.5	<.5	3	.5	<1	<10	<5	40	6.5
L20S-16+75W	1.1	<.5	5	.4	<1	<10	<5	34	6.6
L20S-16+50W	2.1	<.5	8	1.6	<1	<10	<5	46	9.6
L20S-16+25W	1.2	<.5	10	.8	<1	<10	<5	28	12.6
L20S-16+00W	.9	.6	2	1.4	<1	<10	<5	25	11.7
L20S-15+75W	2.0	<.5	3	1.4	<1	<10	<5	36	5.9
L20S-15+50W	1.6	.9	1	1.2	<1	<10	<5	40	9.8
L20S-15+25W	.9	<.5	<1	.9	<1	<10	<5	34	11.2
L20S-15+00W	.8	<.5	1	.3	<1	<10	<5	17	13.3
L21S-22+50W	3.1	<.5	3	1.3	<1	<10	<5	26	5.2
L21S-22+25W	1.9	1.0	8	.8	<1	<10	<5	38	7.4
L21S-22+00W	8.2	.9	19	4.1	<1	<10	<5	53	11.6
L21S-21+75W	31.9	7.2	13	4.0	4	<10	<5	89	9.9
L21S-21+50W	1.9	<.5	3	.9	<1	<10	<5	22	13.0
L21S-21+25W	1.6	.9	4	.4	<1	<10	<5	25	9.8
L21S-21+00W	2.1	<.5	6	.9	<1	<10	<5	35	5.8
L21S-20+75W	1.6	<.5	11	1.0	<1	<10	<5	30	9.6
L21S-20+50W	1.3	<.5	8	.9	<1	<10	<5	33	8.8
L21S-20+25W	1.9	<.5	7	1.2	<1	<10	<5	40	7.4
L21S-20+00W	1.1	<.5	6	1.4	<1	<10	<5	47	7.9
L21S-19+75W	4.7	1.6	3	1.9	<1	<10	<5	48	7.1
L21S-19+50W	6.3	<.5	5	.7	<1	<10	<5	54	8.1
L21S-19+25W	5.2	<.5	2	1.4	<1	<10	<5	54	2.8
L21S-19+00W	1.0	1.0	3	.7	<1	<10	<5	24	12.2
L21S-18+75W	1.0	<.5	<1	1.4	<1	<10	<5	21	9.8
L21S-18+50W	2.4	.8	2	.9	<1	<10	<5	24	4.8
L21S-18+25W	3.2	<.5	3	1.4	<1	<10	<5	37	8.6
L21S-18+00W	2.1	<.5	3	1.5	<1	<10	<5	70	7.4
L21S-17+75W	2.4	<.5	5	1.8	<1	<10	<5	89	9.3
L21S-17+50W	2.2	4.7	4	1.1	<1	<10	<5	53	8.8

EMPIRE

SAMPLE	Y PPM ICP 0.1	ZR PPM ICP 0.5	MO PPM ICP 1	AG PPM ICP 0.1	CD PPM ICP 1	SN PPM ICP 10	SB PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5
L21S-17+25W	1.5	<.5	5	1.2	<1	<10	<5	70	13.4
L21S-17+00W	1.0	<.5	6	.6	<1	<10	<5	27	6.0
L21S-16+75W	2.2	<.5	14	1.9	<1	<10	<5	82	8.2
L21S-16+50W	1.8	<.5	4	1.6	<1	<10	<5	52	7.7
L21S-16+25W	1.3	<.5	4	2.4	<1	<10	<5	37	6.0
L21S-16+00W	1.6	1.0	4	.8	<1	<10	<5	34	11.0
L21S-15+75W	1.0	<.5	1	1.3	<1	<10	<5	30	8.4
L21S-15+50W	.9	<.5	3	1.0	<1	<10	<5	24	8.3
L21S-15+25W	1.5	.7	9	1.7	<1	<10	<5	49	8.5
L21S-15+00W	10.8	1.3	5	1.4	<1	<10	<5	122	11.0
L21S-14+75W	1.5	<.5	9	.7	<1	<10	<5	36	6.4
L21S-14+50W	1.2	<.5	2	.3	<1	<10	<5	36	6.6
L21S-14+25W	.7	.5	2	1.1	<1	<10	<5	30	4.2
L21S-14+00W	6.6	<.5	<1	1.4	<1	<10	<5	63	6.9
L21S-13+75W	1.4	<.5	2	.3	<1	<10	<5	34	6.5
L21S-13+50W	2.1	<.5	2	1.4	<1	<10	<5	62	5.8
L21S-13+25W	1.5	<.5	3	2.0	<1	<10	<5	45	7.0
L21S-13+00W	1.0	.8	1	.7	<1	<10	<5	39	5.8
L21S-12+75W	1.8	<.5	6	1.3	<1	<10	<5	68	5.6
L21S-12+50W	1.1	<.5	4	.5	<1	<10	<5	58	6.4
L21S-12+25W	3.5	<.5	7	1.5	<1	<10	<5	116	9.4
L21S-12+00W	4.1	<.5	5	1.6	<1	<10	<5	108	7.4
L22S-22+50W	4.0	<.5	4	.9	<1	<10	<5	47	6.5
L22S-22+25W	1.8	<.5	3	1.8	<1	<10	<5	18	9.5
L22S-22+00W	1.3	<.5	8	.4	<1	<10	<5	34	5.8
L22S-21+75W	1.6	<.5	7	1.3	<1	<10	<5	45	8.3
L22S-21+50W	1.5	<.5	6	1.4	<1	<10	<5	31	7.0
L22S-21+00W	1.2	<.5	7	.9	<1	<10	<5	28	9.7
L22S-20+50W	1.6	<.5	2	1.0	<1	<10	<5	38	7.3
L22S-20+00W	3.5	<.5	4	.8	<1	<10	<5	18	3.1
L22S-19+75W	7.6	<.5	23	1.6	<1	<10	<5	56	10.3
L22S-19+50W	5.7	<.5	3	1.7	<1	<10	<5	56	2.7
L22S-19+25W	1.1	<.5	3	.7	<1	<10	<5	27	8.0
L22S-19+00W	1.7	.7	3	.3	<1	<10	<5	49	10.1
L22S-18+75W	.8	<.5	2	<.1	<1	<10	<5	7	7.9
L22S-18+50W	1.3	<.5	5	.7	<1	<10	<5	15	7.4
L22S-18+25W	2.8	<.5	6	1.8	<1	<10	<5	72	12.9
L22S-18+00W	1.3	<.5	6	.4	<1	<10	<5	36	7.1
L22S-17+75W	1.9	<.5	5	1.6	<1	<10	<5	49	3.9
L22S-17+50W	1.8	<.5	7	1.7	<1	<10	<5	47	8.3
L22S-17+25W	1.2	<.5	8	2.4	<1	<10	<5	38	8.6
L22S-17+00W	2.1	<.5	5	2.3	<1	<10	<5	45	6.6
L22S-16+75W	1.3	<.5	7	2.3	<1	<10	<5	39	9.2
L22S-16+50W	1.4	<.5	7	4.2	<1	<10	<5	31	4.6
L22S-16+25W	1.5	<.5	12	1.1	<1	<10	<5	17	15.3
L22S-16+00W	22.5	<.5	7	4.1	<1	<10	<5	71	17.4
L22S-15+75W	1.4	<.5	5	3.7	<1	<10	<5	34	7.9
L22S-15+50W	2.9	<.5	7	2.1	<1	<10	<5	57	12.1
L22S-15+25W	1.0	<.5	4	1.6	<1	<10	<5	35	5.9
L22S-15+00W	.6	<.5	4	.9	<1	<10	<5	26	7.8
L22S-14+75W	1.5	<.5	9	1.0	<1	<10	<5	32	12.9
L22S-14+50W	1.5	<.5	6	1.1	<1	<10	<5	49	6.0
L22S-14+25W	1.0	<.5	4	1.9	<1	<10	<5	30	6.7
L22S-14+00W	2.0	<.5	6	.9	<1	<10	<5	49	9.3
L22S-13+75W	1.2	<.5	5	1.1	<1	<10	<5	43	4.1
L22S-13+50W	.9	<.5	4	.7	<1	<10	<5	33	9.3
L22S-13+25W	4.1	<.5	9	1.1	<1	<10	<5	49	8.3
L22S-13+00W	.7	<.5	3	<.1	<1	<10	<5	46	5.5
L22S-12+75W	.8	<.5	3	.1	<1	<10	<5	37	6.2
L22S-12+50W	12.0	.9	9	3.2	<1	<10	<5	96	14.8
L22S-12+25W	1.0	<.5	5	.5	<1	<10	<5	35	8.2
L22S-12+00W	.9	<.5	4	.5	<1	<10	<5	51	8.3
L22S-22+50W	5.6	<.5	6	1.9	<1	<10	<5	40	5.6
L23S-22+25W	4.9	<.5	6	.9	<1	<10	<5	45	7.1
L23S-22+00W	.9	<.5	3	.2	<1	<10	<5	21	5.7
L23S-21+75W	1.4	<.5	5	.8	<1	<10	<5	27	5.3
L23S-21+50W	1.7	<.5	2	.2	<1	<10	<5	27	4.3
L23S-21+25W	2.0	<.5	8	2.2	<1	<10	<5	45	8.9
L23S-21+00W	3.1	1.7	8	1.7	<1	<10	<5	16	4.3
L23S-20+75W	1.4	<.5	2	.4	<1	<10	<5	15	.6
L23S-20+50W	3.3	1.2	5	1.4	<1	<10	<5	64	6.3
L23S-20+25W	1.5	<.5	4	.9	<1	<10	<5	44	6.7
L23S-20+00W	1.2	<.5	7	1.2	<1	<10	<5	37	6.8
L23S-19+75W	1.5	<.5	8	1.2	<1	<10	<5	33	8.7
L23S-19+50W	3.0	<.5	6	1.2	<1	<10	<5	58	7.1
L23S-19+25W	1.0	<.5	2	1.0	<1	<10	<5	40	3.2
L23S-19+00W	.8	<.5	4	.8	<1	<10	<5	25	10.6
L23S-18+75W	.8	<.5	3	.6	<1	<10	<5	23	8.4
L23S-18+50W	1.1	<.5	5	2.3	<1	<10	<5	27	10.4
L23S-18+25W	1.1	<.5	5	.4	<1	<10	<5	45	9.9

EMPIRE

SAMPLE	SR PPM ICP 0.5	Y PPM ICP 0.1	ZR PPM ICP 0.5	MO PPM ICP 1	AG PPM ICP 0.1	CD PPM ICP 1	SN PPM ICP 10	SB PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5
L23S-18+00W	2.1	2.1	17.9	6	.8	<1	<10	<5	38	6.3
L23S-17+75W	1.8	1.3	<.5	6	1.1	<1	<10	<5	49	8.6
L23S-17+50W	3.0	.9	<.5	6	1.8	<1	<10	<5	13	10.3
L23S-17+25W	3.3	1.7	<.5	7	1.6	<1	<10	<5	44	7.9
L23S-17+00W	6.4	.8	<.5	5	.4	<1	<10	<5	58	5.6
L23S-16+75W	2.0	.9	<.5	11	.5	<1	<10	<5	50	15.7
L23S-16+50W	13.4	6.9	<.5	10	3.8	<1	<10	<5	119	9.9
L23S-16+25W	3.6	1.0	<.5	4	.5	<1	<10	<5	26	9.3
L23S-16+00W	6.7	1.3	<.5	5	1.7	<1	<10	<5	37	3.8
L23S-15+75W	4.3	2.9	<.5	6	3.4	<1	<10	<5	45	4.2
L23S-15+50W	1.7	1.0	<.5	4	2.8	<1	<10	<5	38	8.4
L23S-15+25W	8.5	5.3	<.5	6	2.7	<1	<10	<5	117	7.6
L23S-15+00W	2.9	1.0	<.5	5	1.8	<1	<10	<5	30	6.3
L23S-14+75W	6.4	1.0	<.5	4	.7	<1	<10	<5	35	2.3
L23S-14+50W	4.2	.6	<.5	2	1.3	<1	<10	<5	20	4.3
L23S-14+25W	2.3	1.1	<.5	7	1.0	<1	<10	<5	35	10.2
L23S-14+00W	2.5	1.0	<.5	5	<.1	<1	<10	<5	34	15.6
L23S-13+75W	16.3	5.2	<.5	6	1.3	<1	<10	<5	132	8.1
L23S-13+50W	2.2	1.7	<.5	5	.6	<1	<10	<5	29	7.4
L23S-13+25W	2.8	1.6	<.5	5	1.0	<1	<10	<5	33	5.3
L23S-13+00W	3.5	1.8	.9	6	4.1	<1	<10	<5	48	7.5
L23S-12+75W	2.0	.9	<.5	5	1.5	<1	<10	<5	33	6.0
L23S-12+50W	3.5	1.0	<.5	4	1.4	<1	<10	<5	46	7.2
L23S-12+25W	2.9	1.1	<.5	6	1.0	<1	<10	<5	48	7.5
L23S-12+00W	2.1	2.0	.6	10	1.7	<1	<10	<5	31	9.7
L23S-22+25W	6.4	3.1	<.5	4	1.4	<1	<10	<5	31	3.3
L24S-22+00W	9.1	2.5	6.2	7	1.2	<1	<10	<5	30	5.1
L24S-21+75W	5.9	5.4	<.5	7	2.2	<1	<10	<5	39	7.6
L24S-21+50W	6.5	3.0	<.5	5	1.6	<1	<10	<5	39	8.1
L24S-21+25W	8.7	2.0	<.5	2	.3	<1	<10	<5	43	5.0
L24S-21+00W	6.3	2.6	<.5	4	2.7	<1	<10	<5	48	6.4
L24S-20+75W	4.2	1.9	<.5	5	1.1	<1	<10	<5	31	4.7
L24S-20+50W	4.1	18.1	4.3	13	6.9	<1	<10	<5	50	17.0
L24S-20+25W	2.2	9.7	2.2	5	4.0	<1	<10	<5	31	10.4
L24S-20+00W	3.9	1.0	<.5	4	.8	<1	<10	<5	63	7.8
L24S-19+75W	8.1	6.4	<.5	8	4.4	<1	<10	5	71	9.8
L24S-19+50W	23.2	2.6	<.5	1	1.1	<1	<10	6	141	3.1
L24S-19+25W	15.5	1.1	<.5	1	.7	<1	<10	<5	69	3.6
L24S-19+00W	8.7	1.4	<.5	<1	.7	<1	<10	<5	25	7.1
L24S-18+75W	4.1	.8	<.5	2	.8	<1	<10	<5	83	6.1
L24S-18+50W	1.5	1.3	<.5	5	.6	<1	<10	<5	21	13.3
L24S-18+25W	2.1	1.2	<.5	5	.7	<1	<10	<5	27	9.1
L24S-18+00W	3.3	1.6	1.4	4	2.3	<1	<10	6	36	9.2
L24S-17+75W	5.2	2.4	4.1	13	2.5	<1	<10	<5	50	9.9
L24S-17+50W	70.0	21.3	7.6	20	3.9	7	<10	6	180	18.7
L24S-17+25W	11.7	3.9	.6	4	.9	<1	<10	<5	129	9.5
L24S-17+00W	2.4	3.4	<.5	7	1.0	<1	<10	8	70	14.4
L24S-16+75W	2.4	3.7	<.5	7	2.8	<1	<10	9	60	11.7
L24S-16+50W	4.4	5.5	2.2	4	3.1	<1	<10	<5	107	6.9
L24S-16+25W	7.8	21.0	3.3	6	4.1	<1	<10	<5	75	22.1
L24S-16+00W	4.7	1.7	<.5	7	2.3	<1	<10	<5	61	8.8
L24S-15+75W	4.2	1.2	<.5	3	.4	<1	<10	<5	35	12.8
L24S-15+50W	3.4	.8	<.5	3	.2	<1	<10	<5	25	10.7
L24S-15+25W	102	11.7	2.7	8	5.0	9	<10	5	143	9.3
L24S-15+00W	73.3	20.8	6.2	14	7.4	7	<10	<5	194	19.8
L24S-14+75W	3.5	1.0	1.4	3	1.0	<1	<10	<5	51	6.4
L24S-14+50W	110	1.0	.6	6	1.8	<1	<10	<5	58	<.5
L24S-14+25W	3.8	.9	1.2	3	1.1	<1	<10	<5	31	6.9
L24S-14+00W	32.6	24.8	<.5	3	21.7	<1	<10	11	148	16.0
L24S-13+75W	4.7	.6	<.5	5	<.1	<1	<10	<5	37	27.9
L24S-13+50W	4.0	1.5	<.5	5	.5	<1	<10	<5	35	8.5
L24S-13+25W	9.6	1.0	<.5	4	10.5	<1	<10	8	40	10.9
L24S-13+00W	4.1	1.6	<.5	4	1.3	<1	<10	<5	48	6.6
L24S-12+75W	7.2	.7	<.5	<1	.2	<1	<10	<5	24	4.1
L24S-12+50W	2.0	1.3	<.5	5	.4	<1	<10	<5	17	9.3
L24S-12+25W	5.2	.9	<.5	4	.9	<1	<10	<5	28	8.9
L24S-12+00W	4.2	2.6	<.5	8	3.0	<1	<10	8	35	8.6
L25S-22+50W	6.2	5.4	<.5	<1	1.4	<1	<10	<5	50	6.3
L25S-22+25W	14.9	5.9	<.5	3	1.1	<1	<10	<5	60	4.6
L25S-22+00W	9.4	2.0	2.1	1	<.1	<1	<10	<5	53	3.5
L25S-21+75W	3.9	1.0	2.1	6	<.1	<1	<10	<5	16	3.7
L25S-21+50W	2.7	4.4	1.9	20	9.4	<1	<10	9	40	7.1
L25S-21+25W	4.0	1.6	1.6	13	1.2	<1	<10	<5	37	6.1
L25S-21+00W	4.9	3.0	<.5	9	3.5	<1	<10	5	42	8.1
L25S-20+75W	2.8	1.9	<.5	8	.2	<1	<10	<5	37	11.8
L25S-20+50W	3.0	1.2	<.5	4	4.4	<1	<10	<5	39	9.4
L25S-20+25W	5.1	2.0	3.4	3	.8	<1	<10	<5	48	9.0
L25S-20+00W	4.3	6.4	2.4	5	1.6	<1	<10	<5	33	9.4
L25S-19+75W	4.9	1.6	<.5	3	.7	<1	<10	<5	35	5.1
L25S-19+50W	2.0	.7	<.5	2	.3	<1	<10	<5	17	7.7

EMPIRE

SAMPLE	SR PPM ICP 0.5	Y PPM ICP 0.1	ZR PPM ICP 0.5	MO PPM ICP 1	AG PPM ICP 0.1	CD PPM ICP 1	SN PPM ICP 10	SB PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5
L25S-19+25W	4.9	3.1	.6	6	1.1	<1	<10	<5	51	4.3
L25S-19+00W	4.5	1.5	<.5	5	5.2	<1	<10	<5	42	5.0
L25S-18+75W	4.3	1.1	<.5	5	.5	<1	<10	<5	53	7.3
L25S-18+50W	4.2	1.2	<.5	6	1.1	<1	<10	<5	63	8.6
L25S-18+25W	2.5	1.1	<.5	5	1.9	<1	<10	<5	31	9.6
L25S-18+00W	11.5	8.3	.7	11	2.2	<1	<10	5	96	12.0
L25S-17+75W	2.3	1.5	<.5	48	.2	<1	<10	9	27	25.6
L25S-17+50W	2.8	.8	<.5	4	1.5	<1	<10	<5	54	5.9
L25S-17+25W	31.8	11.8	2.0	32	1.8	<1	<10	9	101	15.9
L25S-17+00W	1.7	.9	<.5	4	1.7	<1	<10	<5	34	10.4
L25S-16+75W	2.6	1.3	<.5	4	2.3	<1	<10	6	77	5.7
L25S-16+50W	2.7	1.9	<.5	6	1.4	<1	<10	<5	37	5.5
L25S-16+25W	3.0	3.1	5.6	7	1.5	<1	<10	<5	40	8.6
L25S-16+00W	4.1	1.9	<.5	5	5.4	<1	<10	6	61	8.4
L25S-15+75W	2.9	1.0	<.5	4	3.1	<1	<10	<5	26	12.2
L25S-15+50W	2.0	2.5	<.5	6	11.5	<1	<10	<5	69	13.9
L25S-15+25W	7.2	.9	<.5	6	2.2	<1	<10	<5	118	6.0
L25S-15+00W	3.5	3.4	<.5	5	2.0	<1	<10	9	57	4.9
L25S-14+75W	4.2	2.2	<.5	10	2.2	<1	<10	<5	53	8.4
L25S-14+50W	4.0	1.2	<.5	4	.7	<1	<10	<5	51	6.3
L25S-14+25W	3.9	7.5	<.5	7	2.8	<1	<10	<5	51	11.9
L25S-14+00W	4.5	1.5	<.5	6	.8	<1	<10	<5	49	7.3
L25S-13+75W	3.3	2.1	<.5	12	5.0	<1	<10	<5	44	10.3
L25S-13+50W	7.8	2.9	10.8	15	.9	<1	<10	5	71	12.5
L25S-13+25W	6.5	1.3	<.5	9	1.0	<1	<10	<5	67	7.9
L25S-13+00W	3.2	1.6	<.5	4	1.1	<1	<10	<5	63	11.9
L25S-12+75W	4.0	1.1	<.5	2	1.8	<1	<10	<5	47	6.5
L25S-12+50W	4.5	1.6	<.5	4	1.6	<1	<10	<5	79	11.5
L25S-12+25W	2.0	1.6	<.5	4	2.8	<1	<10	<5	66	7.1
L25S-12+00W	4.7	1.0	<.5	7	1.5	<1	<10	<5	44	10.8
L26S-22+50W.A	5.9	2.3	.9	8	3.5	<1	<10	<5	60	10.3
L26S-22+50W	6.7	2.5	<.5	5	1.8	<1	<10	<5	25	4.7
L26S-22+25W	21.4	6.0	.7	3	1.4	<1	<10	<5	63	4.6
L26S-22+00W	2.6	6.3	15.9	16	2.1	<1	<10	8	33	10.9
L26S-21+75W	6.4	2.0	<.5	1	.4	<1	<10	<5	20	4.6
L26S-21+50W	3.5	2.5	1.9	11	1.5	<1	<10	7	58	7.0
L26S-21+25W	16.3	4.0	.6	2	.9	<1	<10	<5	48	4.7
L26S-21+00W	5.9	2.6	<.5	7	4.7	<1	<10	<5	37	7.7
L26S-20+75W	5.1	3.0	<.5	15	1.2	<1	<10	6	53	11.2
L26S-20+50W	71.4	26.3	2.5	33	5.9	11	<10	7	284	16.7
L26S-20+25W	2.3	2.5	1.6	6	2.3	<1	<10	6	33	7.8
L26S-20+00W	14.3	5.4	<.5	8	2.7	<1	<10	<5	97	7.7
L26S-19+75W	5.9	9.4	2.2	14	4.6	<1	<10	9	43	14.8
L26S-19+50W	12.4	1.4	<.5	4	2.5	1	<10	8	35	5.3
L26S-19+25W	4.3	1.0	<.5	8	4.7	<1	<10	23	42	3.1
L26S-19+00W	6.4	1.3	1.1	7	1.9	<1	<10	7	60	8.5
L26S-18+75W	3.4	2.2	2.4	11	1.5	<1	<10	<5	34	13.8
L26S-18+50W	2.7	1.4	<.5	3	1.3	<1	<10	<5	55	4.5
L26S-18+25W	4.4	2.2	<.5	14	2.5	<1	<10	<5	50	9.5
L26S-18+00W	12.5	6.8	1.8	4	1.9	<1	<10	<5	30	7.0
L26S-17+75W	2.7	1.7	<.5	6	1.1	<1	<10	<5	54	12.5
L26S-17+50W	1.6	1.1	.5	5	1.6	<1	<10	<5	59	17.6
L26S-17+25W	1.8	3.2	<.5	29	.8	<1	<10	11	55	11.1
L26S-17+00W	3.3	1.4	<.5	21	2.2	<1	<10	6	47	6.5
L26S-16+75W	2.7	1.0	<.5	2	.8	<1	<10	5	29	11.8
L26S-16+50W	1.5	1.9	<.5	11	2.3	<1	<10	6	44	10.2
L26S-16+25W	3.1	1.7	<.5	16	2.6	<1	<10	6	33	4.9
L26S-16+00W	2.3	1.4	<.5	8	1.9	<1	<10	6	43	3.9
L26S-15+75W	1.9	1.9	<.5	7	2.9	<1	<10	7	67	11.3
L26S-15+50W	3.1	.9	<.5	4	.3	<1	<10	<5	23	13.3
L26S-15+25W	4.4	1.5	<.5	5	1.7	<1	<10	<5	94	6.6
L26S-15+00W	4.0	1.4	<.5	9	.5	<1	<10	<5	45	9.8
94JHS010	20.8	6.9	<.5	1	4.8	3	<10	7	128	8.0
94JBS014	44.0	8.6	<.5	5	1.1	<1	<10	<5	117	9.8
94JBS023	55.9	7.7	.8	4	1.1	<1	<10	6	110	6.9
94JBS024	136	6.4	<.5	6	.7	2	<10	5	123	4.7
94JBS026	42.7	10.1	<.5	20	.2	<1	<10	<5	188	13.7
D L18S-22+50W	14.3	5.3	1.5	8	.6	<1	<10	<5	65	11.7
D L18S-19+50W	4.9	1.8	.9	7	.8	<1	<10	<5	60	9.8
D L18S-16+25W	6.0	1.4	<.5	7	1.1	<1	<10	<5	38	6.7
D L20S-21+00W	13.3	4.9	<.5	6	1.9	<1	<10	6	64	7.7
D L20S-18+50W	3.6	1.6	<.5	7	1.2	<1	<10	<5	36	9.9
D L20S-18+00W	--	--	--	--	--	--	--	--	--	--
D L20S-15+50W	2.9	1.7	.9	2	.9	<1	<10	<5	42	9.5
D L20S-15+00W	--	--	--	--	--	--	--	--	--	--
D L21S-20+25W	4.2	1.8	<.5	6	.7	<1	<10	<5	39	7.4
D L21S-19+75W	--	--	--	--	--	--	--	--	--	--
D L21S-17+25W	7.1	1.6	<.5	4	.7	<1	<10	<5	69	14.0
D L21S-16+75W	--	--	--	--	--	--	--	--	--	--
D L21S-14+75W	5.8	1.7	1.4	10	.3	<1	<10	<5	42	8.3

EMPIRE

SAMPLE	Y PPM ICP 0.1	ZR PPM ICP 0.5	MO PPM ICP 1	AG PPM ICP 0.1	CD PPM ICP 1	SN PPM ICP 10	SB PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5
D L21S-13+75W	--	--	--	--	--	--	--	--	--
D L22S-21+50W	--	--	--	--	--	--	--	--	--
D L22S-18+75W	.7	<.5	<1	<.1	<1	<10	<5	7	8.8
D L22S-17+75W	--	--	--	--	--	--	--	--	--
D L22S-15+75W	1.3	<.5	3	3.2	<1	<10	<5	33	7.9
D L22S-14+75W	--	--	--	--	--	--	--	--	--
D L22S-13+25W	4.1	<.5	9	1.0	<1	<10	<5	51	10.0
D L22S-22+50W	4.0	<.5	4	.7	<1	<10	<5	48	7.6
D L23S-21+00W	3.2	3.2	6	1.9	<1	<10	<5	17	5.1
D L23S-19+50W	--	--	--	--	--	--	--	--	--
D L23S-18+00W	1.9	19.0	5	.8	<1	<10	<5	36	6.7
D L23S-16+50W	--	--	--	--	--	--	--	--	--
D L23S-15+00W	.8	<.5	3	1.8	<1	<10	<5	28	5.0
D L23S-13+50W	--	--	--	--	--	--	--	--	--
D L23S-12+50W	.6	<.5	2	1.0	<1	<10	<5	44	5.4
D L24S-21+00W	--	--	--	--	--	--	--	--	--
D L24S-20+00W	.7	<.5	4	.5	<1	<10	<5	57	5.9
D L24S-18+00W	--	--	--	--	--	--	--	--	--
D L24S-17+00W	3.1	<.5	7	.7	<1	<10	6	65	11.2
D L24S-15+00W	--	--	--	--	--	--	--	--	--
D L24S-14+00W	22.2	<.5	4	20.2	<1	<10	11	135	13.6
D L24S-12+00W	--	--	--	--	--	--	--	--	--
D L25S-22+25W	5.7	<.5	3	.8	<1	<10	<5	60	4.6
D L25S-19+75W	--	--	--	--	--	--	--	--	--
D L25S-19+25W	2.7	2.3	5	.7	<1	<10	<5	50	5.3
D L25S-16+75W	--	--	--	--	--	--	--	--	--
D L25S-16+25W	2.6	6.9	4	1.0	<1	<10	<5	36	6.4
D L25S-13+75W	--	--	--	--	--	--	--	--	--
D L25S-13+25W	1.1	<.5	7	.7	<1	<10	<5	65	5.3
D L26S-21+75W	1.4	1.5	<1	.2	<1	<10	<5	17	4.8
D L26S-18+75W	1.8	1.4	10	1.0	<1	<10	<5	28	10.4
D L26S-15+75W	1.6	<.5	5	2.2	<1	<10	<5	63	7.0

SAMPLE	PB PPM ICP 2	BI PPM ICP 3
L18S-22+50W	15	<3
L18S-22+25W	15	4
L18S-22+00W	24	5
L18S-21+75W	25	<3
L18S-21+50W	6	4
L18S-21+25W	15	7
L18S-21+00W	12	<3
L18S-20+75W	13	<3
L18S-20+50W	14	<3
L18S-20+25W	11	<3
L18S-20+00W	11	<3
L18S-19+75W	14	<3
L18S-19+50W	10	<3
L18S-19+25W	11	<3
L18S-19+00W	27	<3
L18S-18+50W	9	<3
L18S-18+25W	11	<3
L18S-18+00W	12	<3
L18S-17+75W	23	7
L18S-17+50W	19	8
L18S-17+25W	16	<3
L18S-17+00W	10	<3
L18S-16+75W	22	5
L18S-16+50W	7	<3
L18S-16+25W	18	3
L18S-16+00W	13	<3
L18S-15+75W	10	<3
L18S-15+50W	14	5
L18S-15+25W	44	<3
L18S-15+00W	16	6
L20S-22+50W	7	<3
L20S-22+25W	15	<3
L20S-22+00W	14	<3
L20S-21+75W	9	3
L20S-21+50W	7	3
L20S-21+25W	20	4
L20S-21+00W	41	<3
L20S-20+75W	14	<3
L20S-20+50W	21	10
L20S-20+25W	14	<3
L20S-20+00W	10	7
L20S-19+75W	7	<3
L20S-19+50W	28	<3

EMPIRE

SAMPLE	PB PPM ICP 2	BI PPM ICP 3
L20S-19+25W	3	<3
L20S-19+00W	9	4
L20S-18+75W	21	<3
L20S-18+50W	10	<3
L20S-18+25W	12	8
L20S-18+00W	4	<3
L20S-17+75W	31	<3
L20S-17+50W	11	<3
L20S-17+25W	23	<3
L20S-17+00W	9	<3
L20S-16+75W	8	<3
L20S-16+50W	18	7
L20S-16+25W	18	<3
L20S-16+00W	7	<3
L20S-15+75W	23	<3
L20S-15+50W	7	<3
L20S-15+25W	8	<3
L20S-15+00W	5	<3
L21S-22+50W	7	<3
L21S-22+25W	18	4
L21S-22+00W	37	<3
L21S-21+75W	18	<3
L21S-21+50W	11	<3
L21S-21+25W	14	7
L21S-21+00W	18	<3
L21S-20+75W	15	<3
L21S-20+50W	12	6
L21S-20+25W	20	<3
L21S-20+00W	9	<3
L21S-19+75W	16	<3
L21S-19+50W	20	<3
L21S-19+25W	11	<3
L21S-19+00W	9	<3
L21S-18+75W	9	<3
L21S-18+50W	13	<3
L21S-18+25W	31	<3
L21S-18+00W	13	9
L21S-17+75W	12	3
L21S-17+50W	19	<3
L21S-17+25W	10	<3
L21S-17+00W	11	<3
L21S-16+75W	16	<3
L21S-16+50W	14	<3
L21S-16+25W	15	8
L21S-16+00W	19	<3
L21S-15+75W	9	<3
L21S-15+50W	10	<3
L21S-15+25W	19	6
L21S-15+00W	30	<3
L21S-14+75W	36	<3
L21S-14+50W	6	4
L21S-14+25W	12	<3
L21S-14+00W	5	<3
L21S-13+75W	10	<3
L21S-13+50W	17	<3
L21S-13+25W	11	<3
L21S-13+00W	11	<3
L21S-12+75W	16	<3
L21S-12+50W	8	<3
L21S-12+25W	24	<3
L21S-12+00W	31	<3
L22S-22+50W	12	<3
L22S-22+25W	5	<3
L22S-22+00W	10	<3
L22S-21+75W	15	<3
L22S-21+50W	11	<3
L22S-21+00W	3	<3
L22S-20+50W	13	<3
L22S-20+00W	11	<3
L22S-19+75W	27	<3
L22S-19+50W	45	<3
L22S-19+25W	17	<3
L22S-19+00W	17	<3
L22S-18+75W	2	<3
L22S-18+50W	4	<3
L22S-18+25W	7	6
L22S-18+00W	10	5
L22S-17+75W	16	4
L22S-17+50W	9	<3
L22S-17+25W	7	4

EMPIRE

SAMPLE	W PPM ICP 10	PB PPM ICP 2	BI PPM ICP 3
L22S-17+00W	<10	19	6
L22S-16+75W	<10	12	<3
L22S-16+50W	<10	57	<3
L22S-16+25W	<10	7	<3
L22S-16+00W	<10	28	<3
L22S-15+75W	<10	14	3
L22S-15+50W	<10	25	9
L22S-15+25W	<10	15	<3
L22S-15+00W	<10	6	<3
L22S-14+75W	<10	13	<3
L22S-14+50W	<10	18	5
L22S-14+25W	<10	13	<3
L22S-14+00W	<10	11	3
L22S-13+75W	<10	9	<3
L22S-13+50W	<10	<2	<3
L22S-13+25W	<10	16	<3
L22S-13+00W	<10	<2	<3
L22S-12+75W	<10	9	<3
L22S-12+50W	<10	34	<3
L22S-12+25W	<10	9	<3
L22S-12+00W	<10	11	<3
L22S-22+50W	<10	33	<3
L23S-22+25W	<10	14	<3
L23S-22+00W	<10	9	<3
L23S-21+75W	<10	19	<3
L23S-21+50W	<10	16	<3
L23S-21+25W	<10	34	11
L23S-21+00W	<10	19	9
L23S-20+75W	<10	10	<3
L23S-20+50W	<10	29	<3
L23S-20+25W	<10	12	<3
L23S-20+00W	<10	13	<3
L23S-19+75W	<10	8	<3
L23S-19+50W	<10	13	4
L23S-19+25W	<10	10	<3
L23S-19+00W	<10	5	<3
L23S-18+75W	<10	<2	<3
L23S-18+50W	<10	8	6
L23S-18+25W	<10	5	<3
L23S-18+00W	<10	51	3
L23S-17+75W	<10	12	<3
L23S-17+50W	<10	4	<3
L23S-17+25W	<10	13	<3
L23S-17+00W	<10	5	<3
L23S-16+75W	<10	4	6
L23S-16+50W	<10	142	<3
L23S-16+25W	<10	8	<3
L23S-16+00W	<10	12	7
L23S-15+75W	<10	139	7
L23S-15+50W	<10	9	6
L23S-15+25W	<10	121	<3
L23S-15+00W	<10	8	<3
L23S-14+75W	<10	17	<3
L23S-14+50W	<10	5	<3
L23S-14+25W	<10	9	<3
L23S-14+00W	<10	<2	5
L23S-13+75W	<10	18	<3
L23S-13+50W	<10	15	<3
L23S-13+25W	<10	8	4
L23S-13+00W	<10	14	<3
L23S-12+75W	<10	14	<3
L23S-12+50W	<10	5	<3
L23S-12+25W	<10	7	<3
L23S-12+00W	<10	19	<3
L23S-22+25W	<10	66	<3
L24S-22+00W	<10	18	7
L24S-21+75W	<10	36	<3
L24S-21+50W	<10	13	<3
L24S-21+25W	<10	18	<3
L24S-21+00W	<10	16	<3
L24S-20+75W	<10	15	<3
L24S-20+50W	<10	108	<3
L24S-20+25W	<10	11	<3
L24S-20+00W	<10	5	<3
L24S-19+75W	<10	12	<3
L24S-19+50W	<10	7	<3
L24S-19+25W	<10	3	<3
L24S-19+00W	<10	15	<3
L24S-18+75W	<10	<2	<3
L24S-18+50W	<10	<2	<3

EMPIRE

SAMPLE	W PPM ICP 10	PB PPM ICP 2	BI PPM ICP 3
L24S-18+25W	<10	6	<3
L24S-18+00W	<10	15	<3
L24S-17+75W	<10	25	<3
L24S-17+50W	<10	33	<3
L24S-17+25W	<10	26	<3
L24S-17+00W	<10	14	<3
L24S-16+75W	<10	13	<3
L24S-16+50W	<10	10	7
L24S-16+25W	<10	57	<3
L24S-16+00W	<10	8	<3
L24S-15+75W	<10	<2	<3
L24S-15+50W	<10	2	<3
L24S-15+25W	<10	9	<3
L24S-15+00W	<10	363	<3
L24S-14+75W	<10	<2	<3
L24S-14+50W	<10	<2	<3
L24S-14+25W	<10	6	<3
L24S-14+00W	<10	265	<3
L24S-13+75W	<10	<2	<3
L24S-13+50W	<10	12	6
L24S-13+25W	<10	520	<3
L24S-13+00W	<10	6	<3
L24S-12+75W	<10	<2	<3
L24S-12+50W	<10	10	<3
L24S-12+25W	<10	4	<3
L24S-12+00W	<10	28	<3
L25S-22+50W	<10	9	<3
L25S-22+25W	<10	8	<3
L25S-22+00W	<10	13	18
L25S-21+75W	<10	29	<3
L25S-21+50W	<10	63	<3
L25S-21+25W	<10	16	<3
L25S-21+00W	<10	34	<3
L25S-20+75W	<10	18	<3
L25S-20+50W	<10	9	4
L25S-20+25W	<10	25	7
L25S-20+00W	<10	18	<3
L25S-19+75W	<10	21	<3
L25S-19+50W	<10	2	<3
L25S-19+25W	<10	8	<3
L25S-19+00W	<10	12	<3
L25S-18+75W	<10	14	8
L25S-18+50W	<10	7	<3
L25S-18+25W	<10	10	<3
L25S-18+00W	<10	32	<3
L25S-17+75W	<10	<2	<3
L25S-17+50W	<10	9	<3
L25S-17+25W	<10	69	<3
L25S-17+00W	<10	11	<3
L25S-16+75W	<10	26	<3
L25S-16+50W	<10	13	<3
L25S-16+25W	<10	18	4
L25S-16+00W	<10	18	<3
L25S-15+75W	<10	6	<3
L25S-15+50W	<10	12	<3
L25S-15+25W	<10	57	<3
L25S-15+00W	<10	44	<3
L25S-14+75W	<10	43	5
L25S-14+50W	<10	14	<3
L25S-14+25W	<10	62	<3
L25S-14+00W	<10	11	<3
L25S-13+75W	<10	13	<3
L25S-13+50W	<10	19	4
L25S-13+25W	<10	11	<3
L25S-13+00W	<10	13	<3
L25S-12+75W	<10	6	<3
L25S-12+50W	<10	14	<3
L25S-12+25W	<10	19	4
L25S-12+00W	<10	6	<3
L26S-22+50W.A	<10	75	<3
L26S-22+50W	<10	4	5
L26S-22+25W	<10	<2	<3
L26S-22+00W	<10	6	4
L26S-21+75W	<10	15	<3
L26S-21+50W	<10	33	9
L26S-21+25W	<10	5	9
L26S-21+00W	<10	6	<3
L26S-20+75W	<10	20	4
L26S-20+50W	<10	53	<3
L26S-20+25W	<10	27	<3

EMPIRE

	SAMPLE	W PPM ICP 10	PB PPM ICP 2	BI PPM ICP 3
	L26S-20+00W	<10	113	<3
	L26S-19+75W	<10	162	<3
	L26S-19+50W	<10	94	<3
	L26S-19+25W	<10	78	<3
	L26S-19+00W	<10	41	<3
	L26S-18+75W	<10	24	<3
	L26S-18+50W	<10	11	<3
	L26S-18+25W	<10	16	<3
	L26S-18+00W	<10	20	<3
	L26S-17+75W	<10	13	<3
	L26S-17+50W	<10	<2	<3
	L26S-17+25W	<10	14	<3
	L26S-17+00W	<10	17	4
	L26S-16+75W	<10	<2	<3
	L26S-16+50W	<10	21	<3
	L26S-16+25W	<10	26	<3
	L26S-16+00W	<10	23	<3
	L26S-15+75W	<10	13	4
	L26S-15+50W	<10	<2	<3
	L26S-15+25W	<10	9	<3
	L26S-15+00W	<10	7	<3
	94JHSC10	<10	143	<3
	94JBS014	<10	18	<3
	94JBS023	<10	24	<3
	94JBS024	<10	4	<3
	94JBS026	<10	21	4
D	L18S-22+50W	<10	12	4
D	L18S-19+50W	<10	6	3
D	L18S-16+25W	<10	16	<3
D	L20S-21+00W	<10	35	<3
D	L20S-18+50W	<10	9	<3
D	L20S-18+00W	--	--	--
D	L20S-15+50W	<10	8	<3
D	L20S-15+00W	--	--	--
D	L21S-20+25W	<10	11	<3
D	L21S-19+75W	--	--	--
D	L21S-17+25W	<10	7	<3
D	L21S-16+75W	--	--	--
D	L21S-14+75W	<10	36	<3
D	L21S-13+75W	--	--	--
D	L22S-21+50W	--	--	--
D	L22S-18+75W	<10	<2	<3
D	L22S-17+75W	--	--	--
D	L22S-15+75W	<10	10	<3
D	L22S-14+75W	--	--	--
D	L22S-13+25W	<10	10	<3
D	L22S-22+50W	<10	8	<3
D	L23S-21+00W	<10	16	14
D	L23S-19+50W	--	--	--
D	L23S-18+00W	<10	48	<3
D	L23S-16+50W	--	--	--
D	L23S-15+00W	<10	4	<3
D	L23S-13+50W	--	--	--
D	L23S-12+50W	<10	5	<3
D	L24S-21+00W	--	--	--
D	L24S-20+00W	<10	8	5
D	L24S-18+00W	--	--	--
D	L24S-17+00W	<10	14	5
D	L24S-15+00W	--	--	--
D	L24S-14+00W	<10	242	<3
D	L24S-12+00W	--	--	--
D	L25S-22+25W	<10	7	<3
D	L25S-19+75W	--	--	--
D	L25S-19+25W	<10	11	<3
D	L25S-16+75W	--	--	--
D	L25S-16+25W	<10	19	<3
D	L25S-13+75W	--	--	--
D	L25S-13+25W	<10	14	<3
D	L26S-21+75W	<10	13	3
D	L26S-18+75W	<10	27	3
D	L26S-15+75W	<10	14	<3

EMPIRE

EMPIRE

SAMPLE	AU-1AT PPB FADCP 5
L18S-20+50W	34
L18S-20+25W	30
L18S-20+00W	26
L18S-19+75W	33
L18S-19+50W	17
L18S-19+25W	6
L18S-19+00W	8
L18S-18+50W	10
L18S-18+25W	13
L18S-18+00W	<5
L18S-17+75W	<5
L18S-17+50W	8
L18S-17+25W	15
L18S-17+00W	24
L18S-16+75W	12
L18S-16+50W	15
L18S-16+25W	6
L18S-16+00W	35
L18S-15+75W	28
L18S-15+50W	9
L18S-15+25W	24
L18S-15+00W	14
L20S-22+50W	32
L20S-22+25W	20
L20S-22+00W	29
L20S-21+75W	19
L20S-21+50W	46
L20S-21+25W	19
L20S-21+00W	19
L20S-20+75W	9
L20S-20+50W	14
L20S-20+25W	7
L20S-20+00W	11
L20S-19+75W	<5
L20S-19+50W	12
L20S-19+25W	6
L20S-19+00W	5
L20S-18+75W	38
L20S-18+50W	10
L20S-18+25W	10
L20S-18+00W	5
L20S-17+75W	8
L20S-17+50W	11
L20S-17+25W	33
L20S-17+00W	10
L20S-16+75W	6
L20S-16+50W	7
L20S-16+25W	14
L20S-16+00W	7
L20S-15+75W	17
L20S-15+50W	13
L20S-15+25W	6
L20S-15+00W	20
L21S-22+50W	8
L21S-22+25W	15
L21S-22+00W	9
L21S-21+75W	63
L21S-21+50W	6
L21S-21+25W	9
L21S-21+00W	11
L21S-20+75W	11
L21S-20+50W	12
L21S-20+25W	24
L21S-20+00W	6
L21S-19+75W	5
L21S-19+50W	33
L21S-19+25W	10
L21S-19+00W	19
L21S-18+75W	20
L21S-18+50W	8
L21S-18+25W	<5
L21S-18+00W	5
L21S-17+75W	10
L21S-17+50W	11
L21S-17+25W	8
L21S-17+00W	6
L21S-16+75W	11
L21S-16+50W	8
L21S-16+25W	6
L21S-16+00W	10

EMPIRE

SAMPLE	AU-1AT PPB FADCP 5
L21S-15+75W	22
L21S-15+50W	9
L21S-15+25W	7
L21S-15+00W	63
L21S-14+75W	12
L21S-14+50W	9
L21S-14+25W	<5
L21S-14+00W	8
L21S-13+75W	6
L21S-13+50W	8
L21S-13+25W	9
L21S-13+00W	7
L21S-12+75W	10
L21S-12+50W	9
L21S-12+25W	9
L21S-12+00W	6
L22S-22+50W	32
L22S-22+25W	<5
L22S-22+00W	5
L22S-21+75W	15
L22S-21+50W	15
L22S-21+00W	28
L22S-20+50W	<5
L22S-20+00W	<5
L22S-19+75W	7
L22S-19+50W	28
L22S-19+25W	15
L22S-19+00W	14
L22S-18+75W	14
L22S-18+50W	14
L22S-18+25W	6
L22S-18+00W	6
L22S-17+75W	9
L22S-17+50W	12
L22S-17+25W	83
L22S-17+00W	14
L22S-16+75W	10
L22S-16+50W	23
L22S-16+25W	10
L22S-16+00W	19
L22S-15+75W	10
L22S-15+50W	6
L22S-15+25W	15
L22S-15+00W	15
L22S-14+75W	50
L22S-14+50W	13
L22S-14+25W	10
L22S-14+00W	5
L22S-13+75W	18
L22S-13+50W	11
L22S-13+25W	10
L22S-13+00W	<5
L22S-12+75W	<5
L22S-12+50W	9
L22S-12+25W	7
L22S-12+00W	24
L22S-22+50W	58
L23S-22+25W	6
L23S-22+00W	6
L23S-21+75W	16
L23S-21+50W	15
L23S-21+25W	6
L23S-21+00W	23
L23S-20+75W	597
L23S-20+50W	9
L23S-20+25W	22
L23S-20+00W	14
L23S-19+75W	12
L23S-19+50W	13
L23S-19+25W	6
L23S-19+00W	<5
L23S-18+75W	6
L23S-18+50W	14
L23S-18+25W	9
L23S-18+00W	30
L23S-17+75W	19
L23S-17+50W	26
L23S-17+25W	33
L23S-17+00W	7
L23S-16+75W	6

EMPIRE

SAMPLE	AU-1AT PPB FADCP 5
L23S-16+50W	<5
L23S-16+25W	20
L23S-16+00W	119
L23S-15+75W	9
L23S-15+50W	5
L23S-15+25W	15
L23S-15+00W	43
L23S-14+75W	6
L23S-14+50W	7
L23S-14+25W	12
L23S-14+00W	19
L23S-13+75W	<5
L23S-13+50W	<5
L23S-13+25W	13
L23S-13+00W	10
L23S-12+75W	5
L23S-12+50W	13
L23S-12+25W	10
L23S-12+00W	9
L23S-22+25W	21
L24S-22+00W	<5
L24S-21+75W	17
L24S-21+50W	564
L24S-21+25W	<5
L24S-21+00W	85
L24S-20+75W	43
L24S-20+50W	17
L24S-20+25W	31
L24S-20+00W	13
L24S-19+75W	6
L24S-19+50W	25
L24S-19+25W	18
L24S-19+00W	31
L24S-18+75W	<5
L24S-18+50W	5
L24S-18+25W	12
L24S-18+00W	14
L24S-17+75W	18
L24S-17+50W	12
L24S-17+25W	8
L24S-17+00W	18
L24S-16+75W	16
L24S-16+50W	10
L24S-16+25W	27
L24S-16+00W	33
L24S-15+75W	15
L24S-15+50W	5
L24S-15+25W	7
L24S-15+00W	13
L24S-14+75W	10
L24S-14+50W	42
L24S-14+25W	9
L24S-14+00W	27
L24S-13+75W	7
L24S-13+50W	19
L24S-13+25W	121
L24S-13+00W	10
L24S-12+75W	16
L24S-12+50W	14
L24S-12+25W	18
L24S-12+00W	15
L25S-22+50W	44
L25S-22+25W	17
D L18S-22+50W	<5
D L18S-19+50W	NSS
D L18S-16+25W	7
D L20S-21+00W	25
D L20S-18+00W	11
D L20S-15+00W	30
D L21S-19+75W	14
D L21S-16+75W	8
D L21S-13+75W	5
D L22S-21+50W	13
D L22S-17+75W	8
D L22S-14+75W	35
D L22S-22+50W	51
D L23S-19+50W	11
D L23S-16+50W	5
D L23S-13+50W	NSS
D L24S-21+00W	77

EMPIRE

APPENDIX 4

GEOPHYSICAL DATA

EMPIRE GRID

VLF-EM SURVEY GEONICS EM-16

LINE 18+00S	16+75W	+14	+4	+50
	17+00W	0	+4	+20
	17+25W	+18	+8	+25
	17+50W	+10	-2	+37
	17+75W	+30	+4	+25
	18+00W	+40	+2	+20
	18+25W	+47	0	+38
	18+50W	+30	0	+25
	18+75W	+14	-15	0
	19+00W	+11	-10	0
	19+25W	+25	-10	-20
	19+50W	+30	-6	-25
	19+75W	+25	-5	-30
	20+00W	+22	-14	+40
	20+25W	+21	-8	-7
	20+50W	+22	-4	-3
	20+75W	+26	-2	+6
	21+00W	+27	-3	+28
	21+25W	+33	-2	+20
	21+50W	+32	-2	+30
	21+75W	+31	-2	+40
	22+00W	+33	-2	+35
	22+25W	+34	-4	+85
	22+50W	+32	-4	+60

EMPIRE GRID
VLD-EM SURVEY GEONICS EM-16

	Station	In Phase	HAWAII Quatrature	Slope %
LINE 20+00S	16+50W	-36	+3	+50
	16+75W	+10	-2	+8
	17+00W	+9	-4	+25
	17+25W	+27	-8	-33
	17+50W	+20	-13	0
	17+75W	+10	-17	+35
	18+00W	+35	-10	+10
	18+25W	+30	-12	+25
	18+50W	+24	-14	+12
	18+75W	+3	-20	+45
	19+00W	-8	-14	+35
	19+25W	+18	-8	+33
	19+50W	+18	-12	+18
	19+75W	+26	-7	+5
	20+00W	+14	-12	-6
	20+25W	+23	-8	0
	20+50W	+17	-10	+20
	20+75W	+14	-8	+5
	21+00W	+27	-2	+36
	21+25W	+35	-1	+15
	21+50W	+33	-5	+5
	21+75W	+32	-8	+10
	22+00W	+26	-8	+13
	22+25W	+27	-5	-5
	22+50W	+30	-2	+30

EMPIRE GRID
VLD-EM SURVEY GEONICS EM-16

	Station	In Phase	HAWAII Quatrature	Slope %
LINE 22+00S	16+75W	+14	+1	+28
	17+00W	+11	0	+5
	17+25W	+10	+1	-17
	17+50W	+14	-1	+36
	17+75W	+17	-3	+3
	18+00W	+9	-10	-2
	18+25W	+2	-12	+3
	18+50W	+20	-2	-50
	18+75W	+25	-2	-30
	19+00W	+28	-4	+10
	19+25W	+30	-5	+25
	19+50W	+28	-9	+68
	19+75W	+25	-14	+35
	20+00W	+20	-23	+50
	20+25W	+8	-28	+18
	20+50W	0	-24	+17
	20+75W	+20	-7	+15
	21+00W	+35	-4	+20
	21+25W	+38	-4	+28
	21+50W	+38	-6	+40
	21+75W	+40	-8	+50
	22+00W	+40	-8	+22
	22+25W	+35	-9	+35
	22+50W	+35	-4	+20

EMPIRE GRID
VLD-EM SURVEY GEONICS EM-16

	Station	In Phase	HAWAII Quatrature	Slope %
L 24+00S	17+00W	+10	+6	+70
	17+25W	-1	+3	+60
	17+50W	-4	+5	+37
	17+75W	-8	-3	+10
	18+00W	-8	-9	-15
	18+25W	+18	-3	-10
	18+50W	+25	-11	+5
	18+75W	+32	-10	-15
	19+00W	+32	-8	-3
	19+25W	+30	-8	+5
	19+50W	+34	-8	+80
	19+75W	+27	-14	+70
	20+00W	+19	-20	+5
	20+25W	+15	-18	-5
	20+50W	+20	-12	0
	20+75W	+23	-8	-40
	21+00W	+23	-6	+5
	21+25W	+25	-4	-35
	21+50W	+30	-2	+30
	21+75W	+30	0	+55
	22+00W	+30	+2	+50
	22+25W	+30	+4	+50
	22+50W	+35	+6	+65

EMPIRE GRID
VLD-EM SURVEY GEONICS EM-16

	Station	In Phase	HAWAII Quatrature	Slope %
L 26+00S	17+00W	+26	-5	0
	17+25W	+26	-5	+50
	17+50W	+33	0	+45
	17+75W	+30	-4	+70
	18+00W	+20	-9	+30
	18+25W	+15	-14	+35
	18+50W	+20	-8	+30
	18+75W	+26	-14	+30
	19+00W	+20	-21	+40
	19+25W	+20	-13	0
	19+50W	+26	-8	+35
	19+75W	+22	-14	+60
	20+00W	+12	-2	+40
	20+25W	+15	-12	+60
	20+50W	+8	-12	+30
	20+75W	+20	-2	+30
	21+00W	+25	-4	+35
	21+25W	+22	-9	-20
	21+50W	+25	-6	-18
	21+75W	+28	-4	0
	22+00W	+30	0	+30
	22+25W	+35	+2	+45
	22+50W	+35	0	+35

EMPIRE GRID
VLD-EM SURVEY GEONICS EM-16

	Station	In Phase	HAWAII Quatrature	Slope %
L 27+00S	17+50W	+20	-5	+20
	17+75W	+9	-10	+48
	18+00W	+20	-4	+30
	18+25W	+30	-5	+25
	18+50W	+30	-8	+55
	18+75W	+28	-12	+20
	19+00W	+22	-8	+30
	19+25W	+21	-3	+60
	19+50W	+23	+3	+70
	19+75W	+16	+4	+75
	20+00W	+15	+2	+30
	20+25W	+25	+3	+35
	20+50W	+25	-5	+25
	20+75W	0	-19	+30
	21+00W	+45	-4	+4
	21+25W	+80	-6	+25
	21+50W	+74	-5	+35
	21+75W	+55	-8	+24
	22+00W	+48	-4	0
	22+25W	+45	-4	+35
	22+50W	+40	-2	+25

EMPEROR GRID
Magnetometer Survey - Unimag G-836

Line	Station	Reading in Gammas
L 18+00S	17+00W	57120
	17+25W	57080
	17+50W	57100
	17+75W	57090
	18+00W	57070
	18+25W	57000\
	18+50W	57140/N. end of Deadman Lk.
	18+75W	57150
	19+00W	57160
	19+25W	57200
	19+50W	57150
	19+75W	57150
	20+00W	57130
	20+25W	57140
	20+50W	57110
	20+75W	57170
	21+00W	57130
	21+25W	57130
	21+50W	57140
	21+75W	57100
	22+00W	57050
	22+25W	57100
	22+50W	57140
L20+00S	17+00W	57080
	17+25W	57110
	17+50W	57090
	17+75W	57130 (creek)
	18+00W	57100
	18+25W	57110
	18+50W	57110
	18+75W	57150
	19+00W	57130
	19+25W	57110
	19+50W	57100
	19+75W	57100\
	20+00W	57100/S. end of Deadman Lk.
	20+25W	57050
	20+50W	57070
	20+75W	57090
	21+00W	57100
	21+25W	57110
	21+50W	57020(creek)
	21+75W	57130
	22+00W	57110
	22+25W	56990
	22+50W	57110

FRASER FILTER

L 18+00S	VLF-FM In Phase Dip Angle	EMPEROR	SEATTLE
22+50W	+32		
		+66	
22+25W	+34		
		+67	+2
22+00W	+33		
		+64	+5
21+75W	+31		
		+62	+0
21+50W	+31		
		+64	+2
21+25W	+33		
		+60	+11
21+00W	+27		
		+53	+14
20+75W	+26		
		+46	+10
20+50W	+22		
		+43	+3
20+25W	+21		
		+43	-4
20+00W	+22		
		+47	-12
19+75W	+25		
		+55	-8
19+50W	+30		
		+55	+19
19+25W	+25		
		+36	+30
19+00W	+11		
		+25	-8
18+75W	+14		
		+44	-52
18+50W	+30		
		+77	-43
18+25W	+47		
		+87	+7
18+00W	+40		
		+70	+47
17+75	+30		
		+40	+42
17+25W	+18		
		+18	+14
17+00W	0		
		+14	
16+75W	+14		

FRASER FILTER

L 20+00S	VLF-FM In Phase Dip Angle	EMPEROR	SEATTLE
22+50W	+30		
		+57	
22+25W	+27		
		+53	-1
22+00W	+26		
		+58	-12
21+75W	+32		
		+65	-7
21+50W	+33		
		+68	+3
21+25W	+35		
		+62	+27
21+00W	+27		
		+41	+31
20+75W	+14		
		+31	+1
20+50W	+17		
		+40	-6
20+25W	+23		
		+37	+0
20+00W	+14		
		+40	-7
19+75W	+26		
		+44	+4
19+50W	+18		
		+36	+34
19+25W	+18		
		+10	+41
19+00W	-8		
		-5	-17
18+75W	+3		
		+27	-61
18+50W	+24		
		+54	-38
18+25W	+30		
		+65	+9
18+00W	+35		
		+45	+35
17+75W	+10		
		+30	-2
17+50W	+20		
		+47	-6
17+25W	+27		
		+36	+28
17+00W	+9		
		+19	+64
16+75	+10		
		-26	
16+50	-36		

FRASER FILTER

L 22+00S	VLF-FM In Phase Dip Angle	EMPEROR	SEATTLE
22+50W	+35		
		+70	
22+25W	+35		
		+75	-10
22+00W	+40		
		+80	-3
21+75W	+40		
		+78	+4
21+50W	+38		
		+76	+5
21+25W	+38		
		+73	+21
21+00W	+35		
		+55	+53
20+75W	+20		
		+20	+47
20+50W	0		
		+8	-8
20+25W	+8		
		+28	-37
20+00W	+20		
		+45	-25
19+75W	+25		
		+53	-13
19+50W	+28		
		+58	-5
19+25W	+30		
		+58	+5
19+00W	+28		
		+53	+13
18+75W	+25		
		+45	+31
18+50W	+20		
		+22	+38
18+25W	+2		
		+7	-4
18+00W	+9		
		+26	-24
17+75W	+17		
		+31	+2
17+50W	+14		
		+24	+7
17+25W	+10		
		+21	-1
17+00W	+11		
		+25	
16+75W	+14		

FRASER FILTER

L 24+00S	VLF-FM In Phase Dip Angle	EMPEROR	SEATTLE
22+50W	+35		
		+65	
22+25W	+30		
		+60	+5
22+00W	+30		
		+60	+0
21+75W	+30		
		+60	+5
21+50W	+30		
		+55	+12
21+25W	+25		
		+48	+9
21+00W	+23		
		+46	+5
19+75W	+27		
		+61	-11
19+50W	+34		
		+57	-1
19+25W	+30		
		+62	-7
19+00W	+32		
		+64	+5
18+75W	+32		
		+57	+21
18+50W	+25		
		+43	+47
18+25W	+18		
		+10	+43
18+00W	-8		
		0	+22
17+75W	-8		
		-12	+5
17+50W	-4		
		-5	-21
17+25W	-1		
		+9	
17+00W	+10		

FRASER FILTER

L 26+00S	VLF-FM In Phase Dip Angle	EMPEROR	SEATTLE
22+50W	+35		
		+70	
22+25W	+35		
		+65	+12
22+00W	+30		
		+58	+8
21+75W	+28		
		+53	+11
21+50W	+25		
		+47	+6
21+25W	+22		
		+47	+2
21+00W	+25		
		+45	+19
20+75W	+20		
		+28	+22
20+50W	+8		
		+23	+1
20+25W	+15		
		+27	-11
20+00W	+12		
		+34	-21
19+75W	+22		
		+48	-12
19+50W	+26		
		+46	+8
19+25W	+20		
		+40	+0
19+00W	+20		
		+46	-6
18+75W	+26		
		+46	+11
18+50W	+20		
		+35	+11
18+25W	+15		
		+35	-15
18+00W	+20		
		+50	-28
17+75W	+30		
		+63	-11
17+50W	+33		
		+61	+11
17+25W	+26		
		+52	
17+00W	+26		

FRASER FILTER

<u>L 27+00S</u>	VLF-FM In Phase Dip Angle	EMPEROR	SEATTLE
22+50W	+40		
		+85	
22+25W	+45		
		+93	-18
22+00W	+48		
		+103	-36
21+75W	+55		
		+129	-51
21+50W	+74		
		+154	+4
21+25W	+80		
		+125	+109
21+00W	+45		
		+45	+100
20+75W	0		
		+25	-5
20+50W	+25		
		+50	-15
20+25W	+25		
		+40	+19
20+00W	+15		
		+31	+1
19+75W	+16		
		+39	-13
19+50W	+23		
		+44	-4
19+25W	+21		
		+43	-6
19+00W	+22		
		+50	-15
18+75W	+28		
		+58	-10
18+50W	+30		
		+60	+8
18+25W	+30		
		+50	+31
18+00W	+20		
		+29	+21
17+75W	+9		
		+29	
17+50W	+20		

EMPEROR GRID
Magnetometer Survey - Unimag G-836

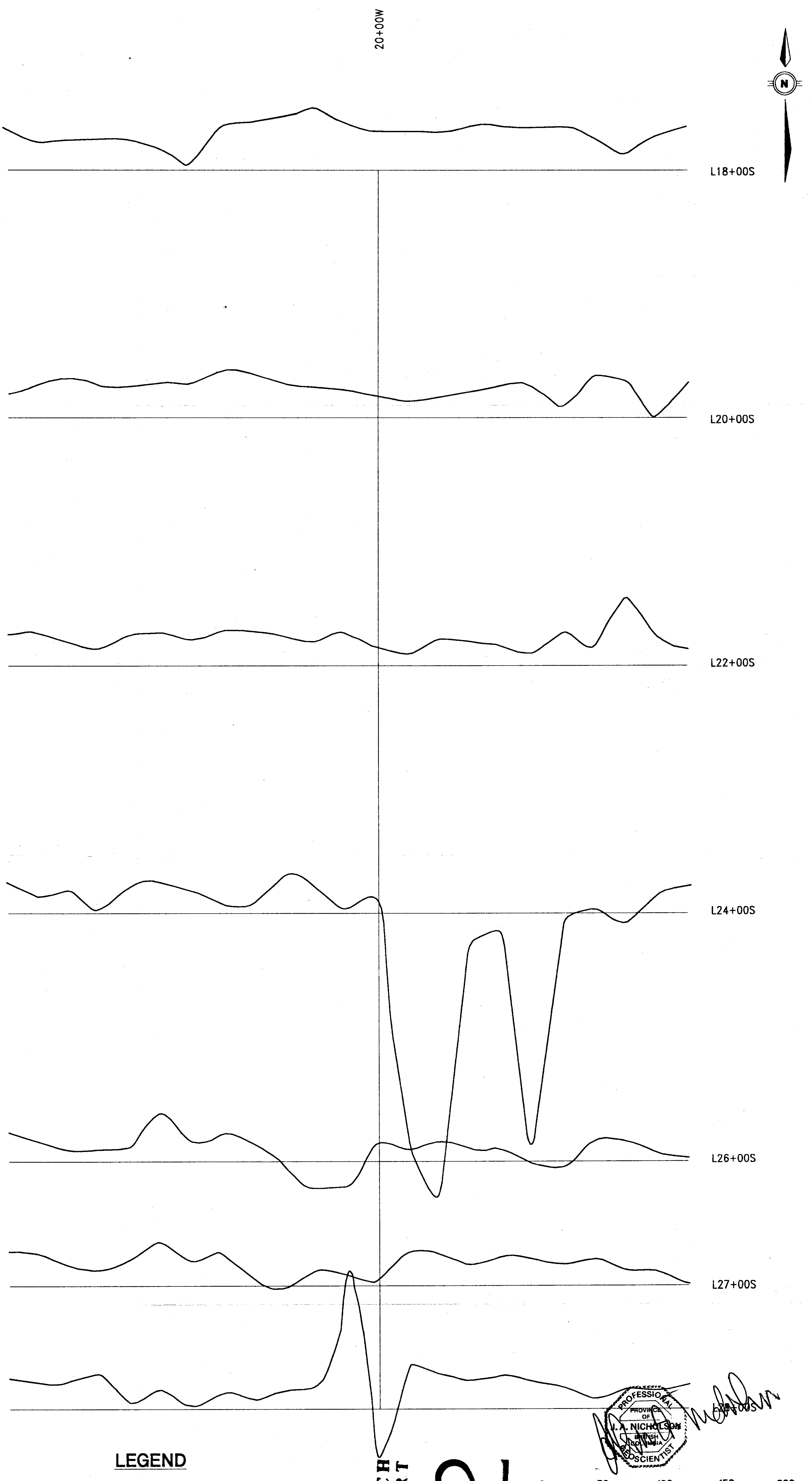
Line	Station	Reading in Gammas	
L 22+00S	17+00W	57100	
	17+25W	57110	
	17+50W	57070	
	17+75W	57040	(small lake)
	18+00W	57100	
	18+25W	57100	
	18+50W	57070	
	18+75W	57100	
	19+00W	57100	
	19+25W	57090	
	19+50W	57070	
	19+75W	57100	
	20+00W	57050	
	20+25W	57040	
	20+50W	57090	
	20+75W	57080	
	21+00W	57070	
	21+25W	57040	
	21+50W	57120	
	21+75W	57050	
	22+00W	57230	
	22+25W	57080	
	22+50W	57060	
L24+00S	17+00W	57090	
	17+25W	57060	
	17+50W	57070	
	17+75W	57000	(creek)
	18+00W	57090	
	18+25W	57100	
	18+50W	57120	
	18+75W	57070	
	19+00W	57050	(crest of knob)
	19+25W	57130	
	19+50W	57080	
	19+75W	57000	
	20+00W	57060	
	20+25W	57060	
	20+50W	56070	
	20+75W	56920	(gulley, n-s)
	21+00W	56940	
	21+25W	56250	(crest of knob)
	21+50W	56990	
	21+75W	57100	
	22+00W	56960	
	22+25W	57070	
	22+50W	57090	

EMPEROR GRID
Magnetometer Survey - Unimag G-836

Line	Station	Reading in Gammas	
L 26+00S	17+00W	57090	
	17+25W	57070	
	17+50W	57040	
	17+75W	57030	
	18+00W	57040	
	18+25W	57170	
	18+50W	57060	
	18+75W	57090	
	19+00W	57060	(055 gulley)
	19+25W	56990	(trench)
	19+50W	56990	
	19+75W	56900	(portal(upper))
	20+00W	56900	(creek)
	20+25W	57070	
	20+50W	57040	
	20+75W	57070	
	21+00W	57040	
	21+25W	57040	
	21+50W	56990	
	21+75W	56980	
	22+00W	57070	
	22+25W	57020	
	22+50W	57010	
L 27+00S	17+00W	57110	
	17+25W	57110	
	17+50W	57060	
	17+75W	57090	
	18+00W	57170	
	18+25W	57080	
	18+50W	57120	
	18+75W	57020	
	19+00W	56980	
	19+25W	57060	
	19+50W	57040	(trench)
	19+75W	57010	
	20+00W	57110	
	20+25W	57100	
	20+50W	57070	
	20+75W	57090	
	21+00W	57080	(adjacent to lower portal)
	21+25W	57070	(creek)
	21+50W	57080	
	21+75W	57050	
	22+00W	57040	
	22+25W	57000	
	22+50W	57020	

EMPEROR GRID
Magnetometer Survey - Unimag G-836

Line	Station	Reading in Gammas	
L 28+00S	17+00W	57100	
	17+25W	57080	
	17+50W	57080	
	17+75W	57120	
	18+00W	57010	
	18+25W	57070	
	18+50W	57000	
	18+75W	57050	
	19+00W	57030	
	19+25W	57060	
	19+50W	57070	
	19+75W	57460	
	20+00W	56820	(gulley 035)
	20+25W	57150	
	20+50W	57110	
	20+75W	57090	
	21+00W	57110	
	21+25W	57090	
	21+50W	57070	
	21+75W	57030	
	22+00W	57060	
	22+25W	57060	
	22+50W	57080	



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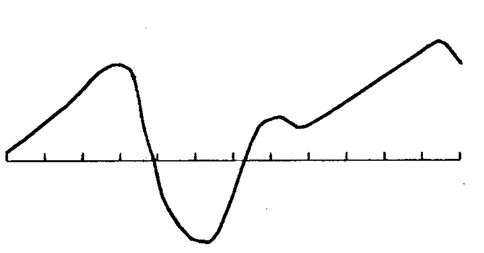


INSTRUMENT: GEOMETRICS G-836

0 50 100 150 200 m
SCALE

PRIME EQUITIES INTERNATIONAL CORP.

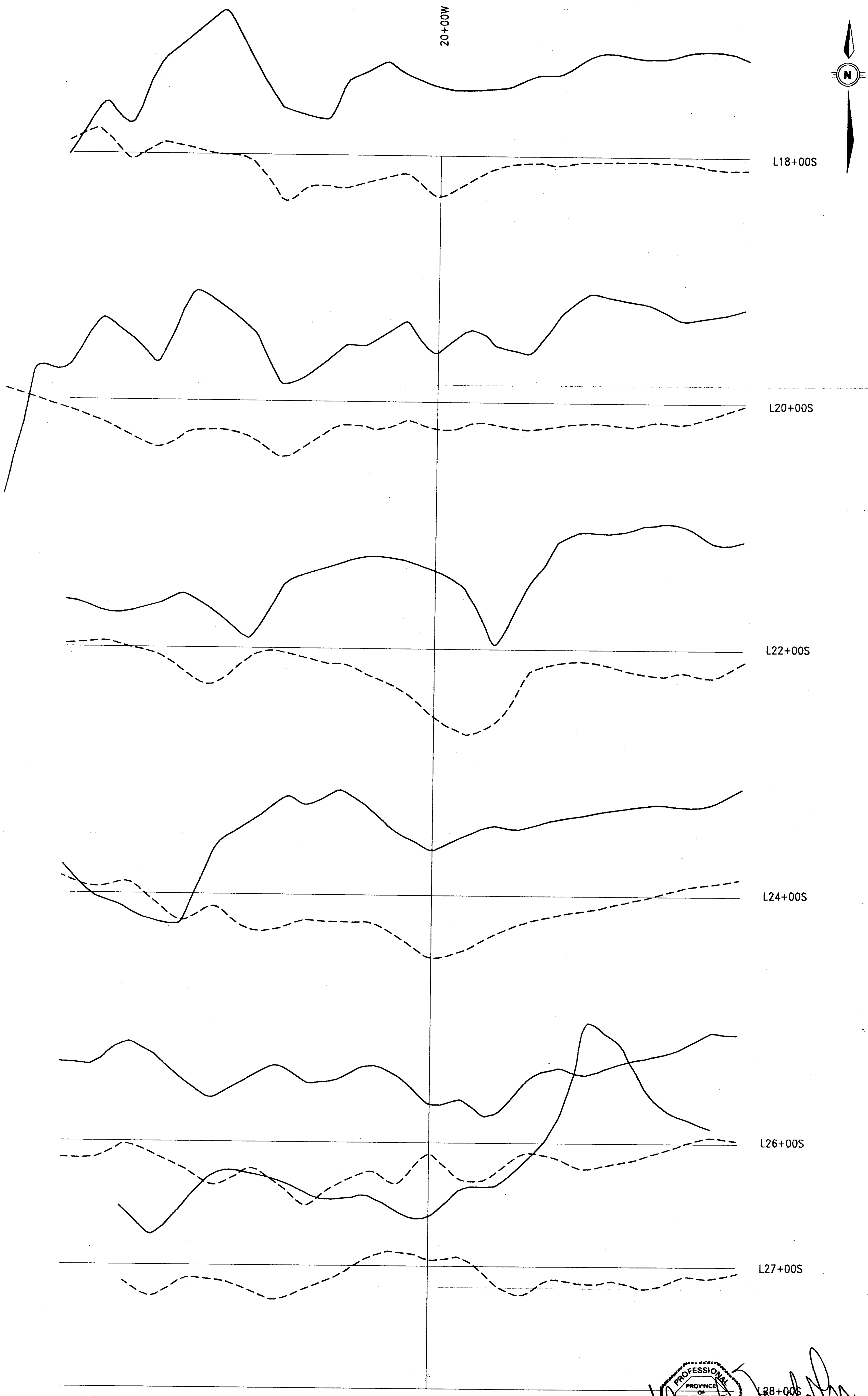
MM GROUP OF CLAIMS

Skeena Mining Division, B.C.

MAGNETOMETER PROFILES
EMPIRE GRID

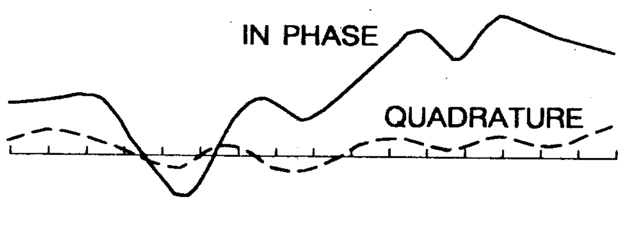
NICHOLSON AND ASSOCIATES

SCALE : 1 : 2,500	DRAWN BY : Luminai Drafting Ltd.	FILE : MMMAG.DWG	
DATE : SEPT 1994	REVISED :	FIGURE : 8C	



PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
J.A. NICHOLSON

LEGEND



SEATTLE 24.8 kHz

INSTRUMENT: GEONICS EM-16

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,532

0 50 100 150 200 m
SCALE

PRIME EQUITIES INTERNATIONAL CORP.

MM GROUP OF CLAIMS
Skeena Mining Division, B.C.

VLF-EM IN PHASE & QUADRATURE
EMPIRE GRID - STACKED PROFILES

NICHOLSON AND ASSOCIATES

SCALE : 1 : 2,500	DRAWN BY : Luminai Drafting Ltd.	FILE : MMVLF.DWG
DATE : SEPT 1994	REVISED :	FIGURE : 8B