RECONNAISSANCE GEOLOGY, SILT & SOIL SAMPLING, MAGNETIC SURVEY

OF

WOLVERINE NO. 1-9 CLAIMS

OMINECA MINING DIVISION

93 N 9 W

Latitude: $55^{\circ}42'$ North

Longitude: $124^{\circ}29'$ West

Owner of Claims: H.M. Jones

Operator: Golden Slipper Resources Inc.

Consultant: B. Taylor, P.Eng., G.A. Noel & Associates

Author: B. Taylor, P.Eng.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,729

Date Submitted: October 28, 1982

G. A. NOEL & ASSOCIATES INC.
CONSULTING GEOLOGISTS

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

TABLES

SUMMARY

The Wolverine 1-8 claims were staked in February 1982, and sold to Golden Slipper Resources Inc. shortly thereafter. Wolverine 9 was staked in August, 1982. The property consists of 137 units some seven kilometres east of Manson Creek, B.C. They overlap, but do not include, two niobium showings. This report is based on previous reports and on field work performed in July 1982 by the writer for Golden Slipper Resources Inc.

The property is underlain by the Wolverine Complex of Precambrian to Lower Cambrian Age. The unit consists of metasediments, quartzites, schists and crystalline limestone. This grades northeastward into an area of gneisses and pegmatites. Two major faults, the Manson Creek and the Wolverine, strike northwesterly adjacent to and west of the property.

The niobium occurs in a carbonatite. The Vergil showing, presently covered by the Brent claims, returned an average of 0.19% Nb_2O_5 along 119 metres of bulldozer trenching. Included was a sample assaying 0.57% Nb_2O_5. The zone also contains zirconium values. The Lonnie showing, presently covered by the Lonnie and Pitch claims, occurs as a lenticular pod 500 metres by 14 metres, with a reported grade of 0.21% Nb_2O_5 and includes high assay of 0.79% Nb_2O_5. Ore grade niobium range from 0.2% Nb_2O_5 to 1%. These two occurrences are four kilometres apart. Carbonatites are essentially a carbonate-silicate rock with a great variety of minerals. They often contain, among their minor components, abundant phosphate (apatite), concentrations of iron and manganese oxides, and small but highly significant quantities of niobium, tantalum, uranium, thorium, rare earth elements, copper and others.

The Wolverine claim group covers known carbonatite as an extension to the northwest of the Lonnie zone. Rock samples taken from this extension gave a high value of 2240 ppm (0.32% Nb_2O_5) and 32 ppm Tantalum. Soil sampling indicated an additional three areas with potential.

It is recommended that these three soil anomalies be trenched. Diamond drilling on the best showings uncovered is also recommended as is additonal soil sampling to test the potential ground between the Lonnie and Vergil which is still unsampled.

The bulldozer trenching would cost an estimated $18,600.00. The total package proposed is estimated at $141,600.00.

INTRODUCTION

The Wolverine 1-8 claims, staked in early 1982 and Wolverine 9 in August 1982, have been put together to explore an occurence of carbonatite type mineralization. The presence of niobium and zirconium in a carbonate matrix has been documented on two showings within the outer boundaries of the claim group. One showing is covered by the existing Lonnie and Pitch claims, and the other by the Brent claims. This report documents the 1982 work and results of silt sampling, soil sampling, geologic reconnaissance, magnetic and radiometric surveys on the property.

PROPERTY

The Wolverine property consists of nine claim blocks totaling 137 units, lying within the Omineca Mining District. They are:

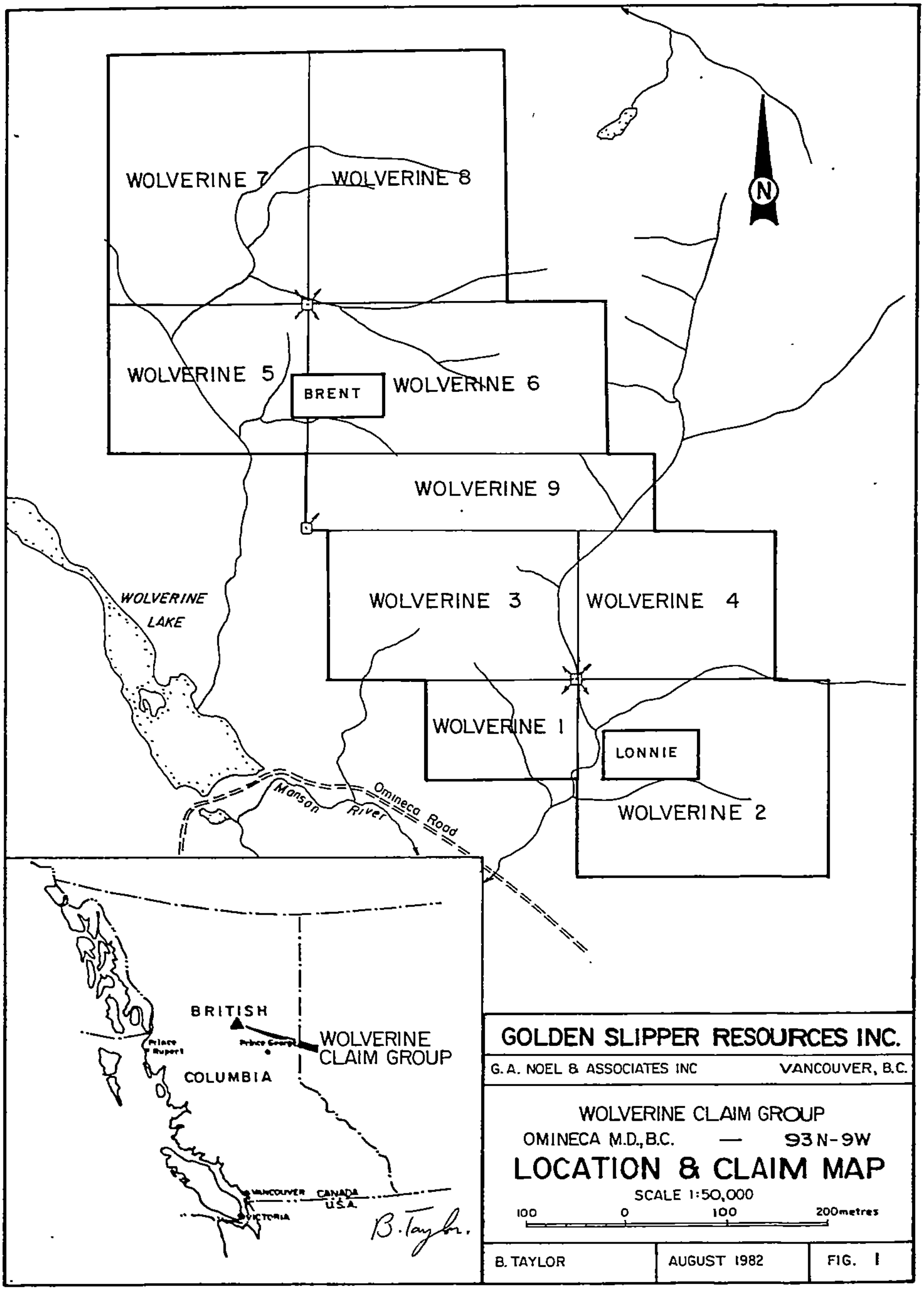
TABLE I

Claim Name	Units	Record No.	Expiry Date
Wolverine #1	6	4540	Feb. 23, 1983
Wolverine #2	20	4541	Feb. 23, 1983
Wolverine #3	15	4542	Feb. 23, 1983
Wolverine #4	12	4543	Feb. 23, 1983
Wolverine #5	12	4544	Feb. 23, 1983
Wolverine #6	18	4545	Feb. 23, 1983
Wolverine #7	20	4546	Feb. 23, 1983
Wolverine #8	20	4547	Feb. 23, 1983
Wolverine #9	14	-	Sept.21 , 1983

They were staked by S. Young as agent for H.M. Jones and transferred to Golden Slipper Resources by Bill of Sale.

Four previously staked claims, which are in good standing, are overlapped but not included in the property. They are:

	Units
Lonnie	1
Pitch	1
Brent	2


WOLVERINE 7
WOLVERINE 8
WOLVERINE 5
BRENT
WOLVERINE 6
WOLVERINE 9
WOLVERINE 3
WOLVERINE 4
WOLVERINE 1
LONNIE
WOLVERINE 2
WOLVERINE LAKE
Manson River
Omineca Road
N
BRITISH
COLUMBIA
WOLVERINE CLAIM GROUP
Prince Rupert
Prince George
VANCOUVER
VICTORIA
CANADA
U.S.A.
B. Taylor
GOLDEN SLIPPER RESOURCES INC.
G. A. NOEL & ASSOCIATES INC
VANCOUVER, B.C.
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C. — 93 N-9W
LOCATION & CLAIM MAP
SCALE 1:50,000
100 0 100 200metres
B. TAYLOR
AUGUST 1982
FIG. 1

LOCATION & ACCESS

The Wolverine claim group is located 220 kilometres north-west of Prince George, on the western flank of the Wolverine Mountain Range. The settlement of Manson Creek lies seven kilometres to the west.

The property is covered by NTS map sheet 93N/9. The approximate centre is 55°42'N latitude, 124°29' W longitude.

Access is from the good gravel highway known as the Omineca Road, north from Vanderhoof, through Manson Creek to communities further north. Short, bulldozer built roads connect each of the showings to the highway. Because of the prevalence of springs, marshy ground and fallen trees, neither road is driveable the complete distance to the working areas.

A helicopter pad has been cleared on the Brent claims (Vergil showing). The higher, eastern part of Wolverine 6 and 8 is also suitable for helicopter landings. The remainder of the property is heavily wooded and helicopter pads would have to be cut out where and if required. Northern Mountain Helicopters have a Bell 206 stationed at Mackenzie, some 60 miles to the southeast, which is available for casual use.

Bulldozer and backhoes are normally available for hire at Manson Creek.

TOPOGRAPHY & VEGETATION

The topography on the claim group ranges from moderate to steep gradients at lower elevation to some rugged terrain lying above the timberline at 1500 metres. Elevations range up to 2050 metres from a low of 1000 metres. Rock outcrop is sparse, but overburden is generally thin, with occasional patches of bedrock rubble showing through. Glacial material is essentially confined to the western portion of the claim group.

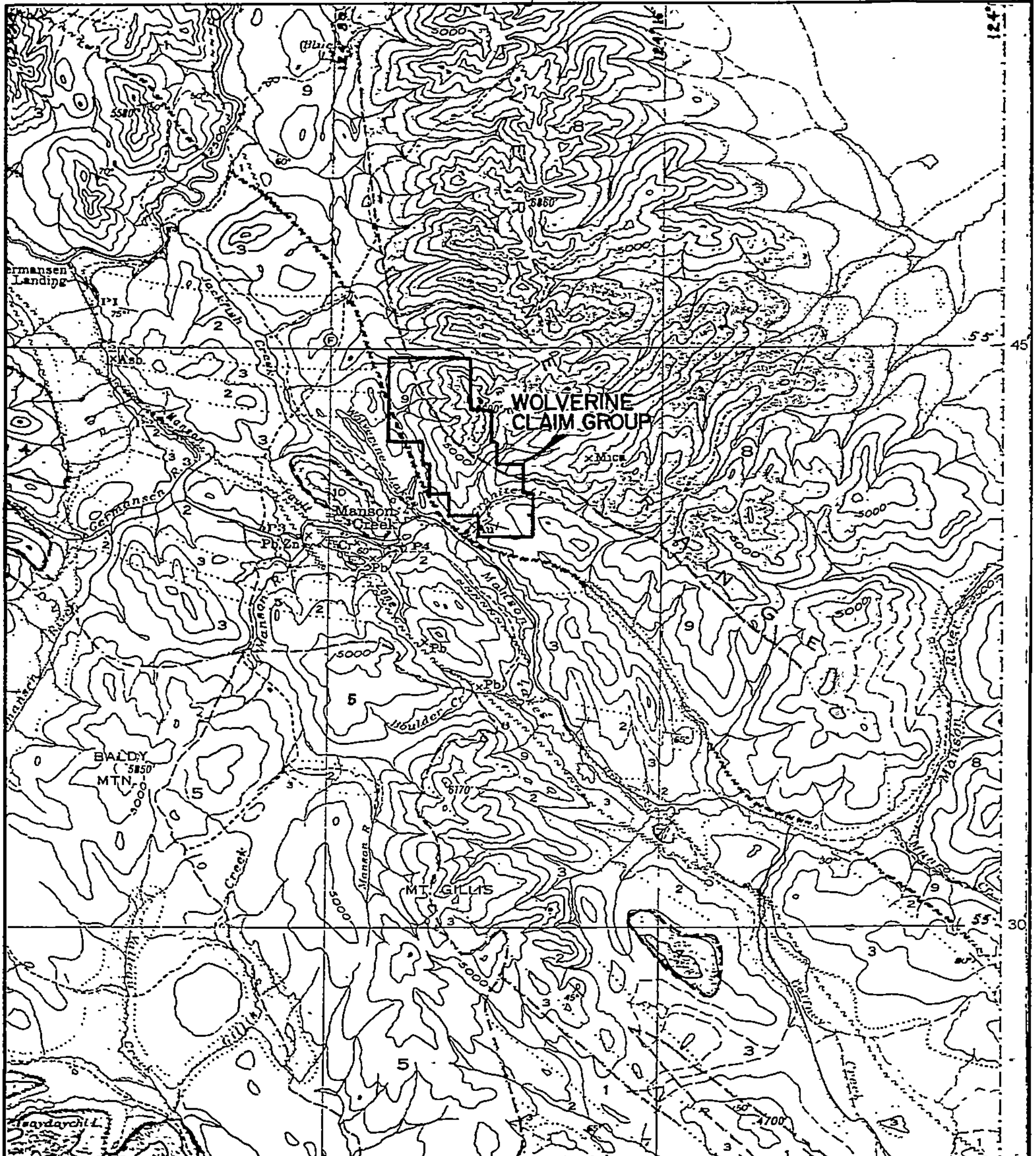
Vegetation below timberline consists of a relatively thick stand of 10 to 40 centimetre diameter lodgepole pine, spruce, aspen and considerable alder.

HISTORY

Niobium was first detected in the area in a rock sample submitted for spectrographic analysis by E.A. Floyd and others to the B.C. Department of Mines in 1953. Claims, called Lonnie, covering the showing were bought by Northwestern Exploration in 1954. In 1955 28 trenches were dug and samples assayed over a 500 metre strike length. An average of 0.21% Nb_2O_5 was obtained over a width of 14 metres for the trenched length. Five of these trenches were re-worked in 1969 by Western Mining Corporation. Five new trenches were dug in 1970 which extended the zone for 500 feet but at a lower tenor.

Mr. C. Powney restaked the showing in 1976 as the Lonnie and Pitch. The claims were optioned by Moly Mite Mines Inc. in 1978. Three x-ray size diamond drill holes were drilled through the deposit in 1979.

In 1971, Ernie Floyd located another niobium showing. This was staked as the Vergil claims. The two showings (Vergil and Lonnie), are four kilometres apart and strike approximately towards each other. Panther Mines obtained the Vergil claims in October 1973. The tractor road shown as the Vergil trail on the maps was pushed through to the



LEGEND

(blank)	TERTIARY VOLCANICS
4	TAKLA GROUP
5,10	OMINECA INTRUSIONS
1,2,3	CACHE CREEK GROUP
8,9	WOLVERINE COMPLEX
----	GEOLOGICAL CONTACT
~~	FAULT

N

B. Taylor

GOLDEN SLIPPER RESOURCES INC.

G.A NOEL & ASSOCIATES INC. VANCOUVER, B.C.

WOLVERINE CLAIM GROUP

OMINECA M.D, B.C. — 93N-9W

REGIONAL GEOLOGY

FROM G.S.C. MAP Nº 876A

SCALE 1:253,440

0 2 4 6 8 KM.

B. TAYLOR	AUG. 1982	FIG. 2

property. Texaco Canada Ltd., as operator, completed 565 metres of trenching on the showing in addition to sampling of the carbonatite complex. They obtained 0.19% Nb_2O_5 0.18% Zr over 119 metres. The claims were subsequently allowed to expire.

The Brent claims were staked in August 1976, again by C. Powney, to cover the showing.

The Wolverine claim group was staked in February 1982 to overlap the Lonnie and Vergil showings and the area between and peripheral to them.

GEOLOGY

Regional Geology

The Wolverine claims overlie late Proterozoic rocks along the western edge of the Wolverine Complex of amphibolite facies metamorphic rocks. Country rocks are mainly quartz horneblende metasediments and schists. Minor limestone may be present. The northeastern portion contains roughly comformable granite gneiss and pegmatites.

A regional metamorphic foliation trends 130°-150° azimuth and dips 60°-80° to the southwest.

The southwest side of the claims cover an extensive section of limestone assigned by the GSC to the Cache Creek group of Permian Age.

A fault, (Wolverine fault?), probably an offshoot of the Manson Creek fault is postulated along the steep hillside that forms the north wall of the Manson River at this point.

Property Geology

The property is underlain by metasediments, which vary from comparatively unaltered quartzites to knotty sericitic schists. Carbonate bands may form a minor part of the sequence. Coarse grained granitic gneisses and pegmatites appear in the northeastern portion of the property. Lineation, most of it foliation, varied from 300^{o} azimuth at the south end to 330^{o} at the north end of the property. Dips are vertical to 60^{o} to the southwest. No sharp contacts between the two group were found, although individual pegmatites and granites a few metres wide were noted in the northeast corner where alpine conditions expose the bedrock. Because of the lack of rock outcrop, much of the rock distribution was inferred from rubble patches.

The Lonnie zone, as reported by Stokes Exploration, is a conformable, medium grained carbonatite complex composed of discontinuous lenses of three main rock types.

(a) Syenite, composed of oligoclase, microcline and up to 25% calcite. Accessory minerals are muscovite, zircon, ilmenorutile and columbite ($(Fe,Mn)(Nb,Ta)_2O_6$). Assays from the trenches show the niobium content of the syenite to be higher than that in the carbonatite. Uranium and thorium were not detected in the original spectrographic analysis.

(b) Acmite carbonatite, with major calcite, minor soda amphibolite (crossite) and soda pyroxene (acmite) and accessory microcline, apatite and uranium bearing pyrochlore $(Ca, Na, Y, Ce, Th, U, Ti)(Nb,Ta)_2O_6(O,F,OH)$.

(c) Biotite carbonatite, with major calcite, and minor biotite, accessory acmite, crossite, plagioclase, microcline and apatite.

It has been traced by surface trenching for a length of 650 metres and to be 14 metres wide for most of that distance. It strikes 120° azumith and dips about 60° to the southwest. Surface sampling indicates a grade of 0.21% Nb_2O_5 for 500 metres.

Three diamond drill holes thirty metres apart have cross-cut the zone. No syenite was recognized in the cores. The carbonatite was present in widths comparable to those found in the trenching. Niobium values encountered are comparable or better than from surface trenching, and contained zirconium values of 0.45%.

The Vergil showing has been trenched more extensively but no diamond drilling has been done. Its grade from surface sampling averages 0.19% Nb_2O_5 and 0.18% Zr.

It is believed to be conformable with the enclosing schisted metasediments but it is at least 40 metres wide in the vicinity of the heliport. The measured length is 119 metres. It is open at both ends.

The two showings are 4000 metres apart.

The western extension of the Lonnie zone has been found on the west bank of Granite Creek apparently offset. This is outside the Lonnie boundary. It could not be traced further because of the lack of bedrock exposure, however, silt samples from the Creek suggest that it continues some distance to the north but closer to the Creek than expected.

Six rock samples were taken along the bank of Granite Creek and its main tributary coming in from the north. One additional rock sample was taken for comparative purposes on the Orientation line over the Lonnie showing. The results demonstrate the extension of the zone to this point at approximately the Lonnie tenor. See Table II for comparative analysis, and Figure 3 for location of the rock samples.

GEOPHYSICAL

The literature on carbonatite deposits indicate that magnetic highs and associated radioactivity are characteristic of them.

Magnetic

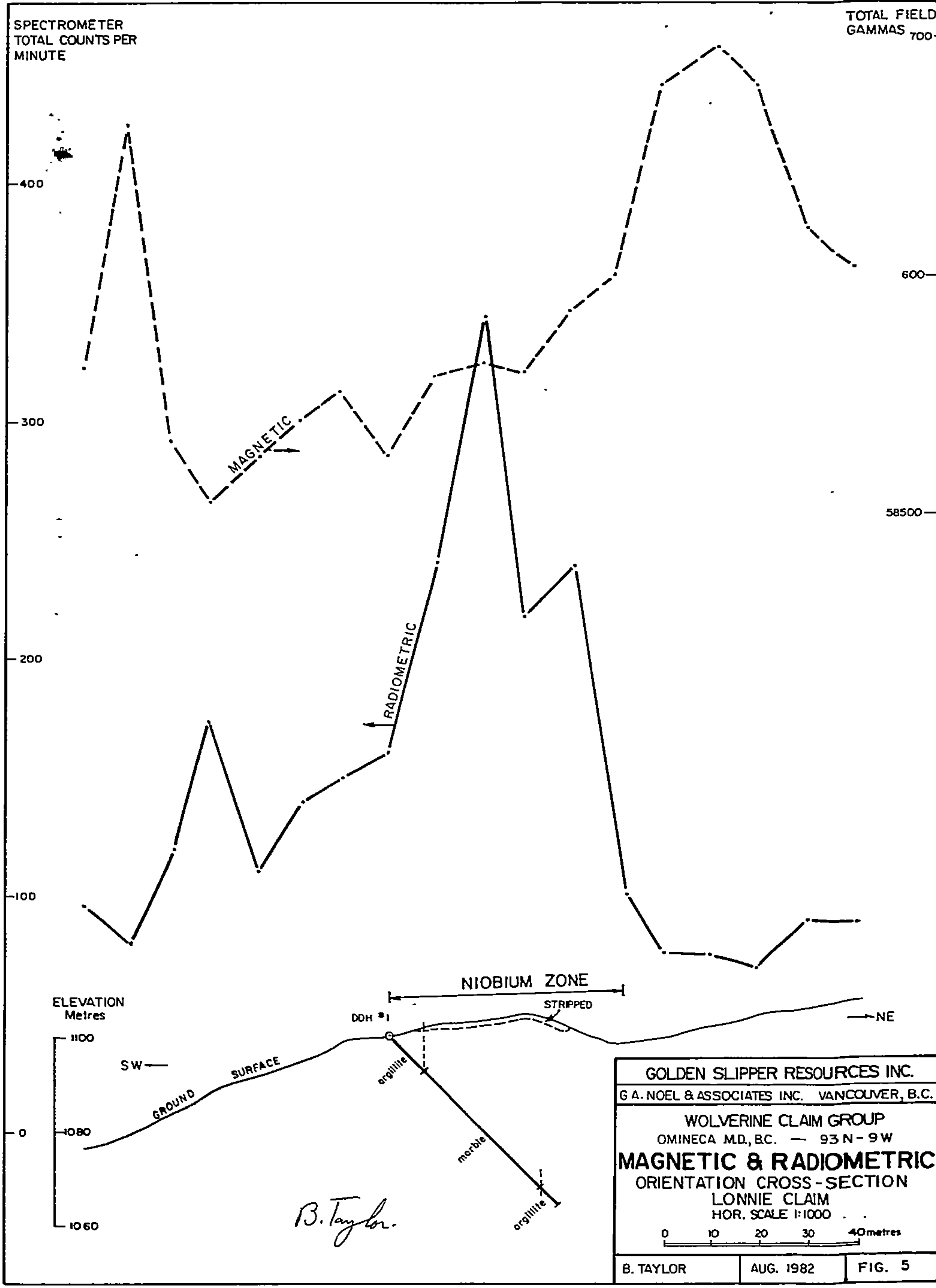
The GSC aeromagnetic map shows two subtle magnetic highs on the Wolverine property. These are shown on Figure 4. Two lines of ground magnetics were run to check on their presence and their relationship to the carbonatite occurrences.

The instrument used was a digitalized proton magnetometer, the Scintrex MP-2. It measures the total magnetic field.

One short line was run over the Lonnie showings, the result is shown on Figure 4 as well as on Figure 5. The other, a much longer line is near the Vergil showings and is also represented by a cross-section on Figure 4 . These sections indicate there is a variation in the magnetic field but a correlation between carbonatite and the magnetic high is inconclusive. The longer section appears to fit the aeromagnetic pattern best, but it is offset to the east. The flight lines are spaced much further apart than the ground magnetic readings and this alone could account for the shift.

Radioactivity

As repositories of unusual minerals, carbonatites characteristically contain radioactive elements. The Lonnie report



GOLDEN SLIPPER RESOURCES INC.
G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C. — 93 N - 9 W
MAGNETIC & RADIOMETRIC
ORIENTATION CROSS-SECTION
LONNIE CLAIM
HOR. SCALE 1:1000

B. TAYLOR	AUG. 1982	FIG. 5

indicated that both uranium and thorium are present in the mineral pyrochlore. the short line over the Lonnie deposit detected spectrometer readings several times normal background as did the trenched carbonatite of the Vergil showings. A graphical cross-section is included on Figure 5. It coincides nicely with niobium-bearing zones. It was noted that the counts per minute (CPM) were enhanced when taken over exposed rock such as in the trenches as opposed to that covered by overburden.

Because the carbonatite zones are mildly radioactive, a spectrometer (McPhar TVIA) was carried on most subsequent geologic traverses. This resúlted in the discovery of an area of above normal activity (D) on Wolverine 9, lying between the Vergil and Lonnie showings. Some rubble nearby was fine grained massive quartzite. A small grid was laid out and soil sampled to test it for niobium. It was there in comparatively high concentration, while the uranium was detected only in very small amounts.

The western extension of the Lonnie showings was also picked up, and the rock sampled partially because of the radio-activity present. Only isolated other spots were noted.

It is an excellent prospecting tool, but a lack of response should not be considered a lack of carbonatite.

<u>Ultraviolet Fluorescence</u>

Specimens from the Lonnie and Vergil claims were subjected to ultra-violet light. Zircon, which fluoresces a golden yellow, was sparingly found. Calcite at times glows a light red. It did so only in a few specimens. Uranium oxides in minute quantities emit a greenish cast. It was noted on only one specimen. Some rare earth minerals are also said to have a greenish cast when exposed to an unfiltered ultra-violet light source. No such color was detected.

SILT SAMPLING

Silt sampling of streams was carried out at 100 metre intervals throughout all but the northern part of Wolverine 7 and 8. The samples were seived at the sample site to eliminate pebbles and thus obtain a larger amount of silt for analytical purposes. Sample locations were measured in by Hip-chain from identifiable points and recorded on aerial photo overlays before being transferred to the final map. Sample numbers and aqua regia digestion analytical results for six elements are shown as Figures 9-11.

SOIL SAMPLING

835 soil samples, essentially from the B soil horizon, were gathered from five soil grids and three traverses across ground considered likely to contain metal. The basic grids were 60 metres between lines and 30 metres between samples on each line. The sample grid locations are shown on Figure 3 and repeated with geochemical results on Figures 12-14. The areas were named with the self explanatory names:

Pitch south
Lonnie west
Wolverine
Vergil south
and Vergil north

An Orientation line was run over the central section of the Lonnie deposit. This covered DDH No. 1. The level of niobium and other metal values over mineralized and barren ground was thus established. The metals which responded in a significant way were niobium, tantalum (fusion method only), yttrium, cerium, barium, lanthanum, calcium, strontium, thorium, uranium, manganese and molybdenum. Figures 5-8 show the results graphically.

ANALYTICAL WORK

The analytical work on the samples collected was done by Acme Analytical Laboratory of Vancouver, B.C. Briefly, after screening to obtain the -80 mesh fraction, they were pulverized. One-half gram of the material was digested with 3 millilitres of 3:1:3 HCl to HNO_3 to water at 90° C for one hour. Each sample was diluted to 10 millilitres with water. This leach is partial for calcium, phosphorus, magnesiumm aluminium, titanium, lanthanum, sodium, potassium, tungsten, barium, silicon, strontium, chromium, boron and gold. The solution was then analyzed using Inductively Coupled Plasma (ICP). Only niobium, strontium, cerium, manganese, calcium and manganese have been plotted on maps as figures 12-14.

In addition to the above analysis, all samples were again analyzed by the same laboratory but using a different digestion process. This time, one tenth of a gram of sample was fused with Na_2O_2 . The product was dissolved in water and diluted to 10 millilitres with 6N HNO_3. The solution was again analyzed using ICP. Six elements were repeated. niobium, tantalum, cerium, zirconium, titanium and strontium. A seventh, yttrium, was added. The results of only the niobium have been plotted and then for comparison puposes only. The values are considerably higher and bear only a relatively general relationship with the results from the acid digested samples.

As a check on the niobium and tantalum results, ten samples as pulps were sent to recommended laboratories in Ontario.

They were X-Ray Assay Laboratories in Don Mills, who use an x-ray fluorescence technique to determine the niobium content, and Nuclear Activation Services of Hamilton, who use a neutron bombardment method to determine the tantalum content. The results are tabulated below:

TABLE II

Analysis Comparison

Sample	Niobium ppm			Tantalum ppm		
ROCK	X-RAY ASSAY LABS	ACME LABS		NUCLEAR ACTIVATION SRVCS	ACME LABS	
	x-ray fluorescense	fused	leached		fused	leached
LON 125-130W	1170	651	-	7	6	-
1	.1410	1063	-	34	19	-
2	1050	682	-	17	2	-
3	550	445	-	7	2	-
4	190	207	-	<5	2	-
5	30	97	-	<5	2	-
6	2240	1220	-	32	14	-
SOIL						
VNON 1.2W	-	27	5	<5	2	2
VN3N 6W	-	66	2	<5	2	2
LWOW 5.15N	-	1354	24	28	53	2
P3W 1.8N	<10	37	2	-	3	2
P2.4W 1.5N	<10	2	2	-	.2	2
P1.2W 0.9N	<10	33	2	-	3	2

Certain elements, because they occur with the niobium,act as indicators of carbonatite and thus of niobium. A number of these were tabulated into histograms. From an inspection of the histograms, the following limits were set, and where plotted, used as contours. These are valid only for the property and the analytical methods described.

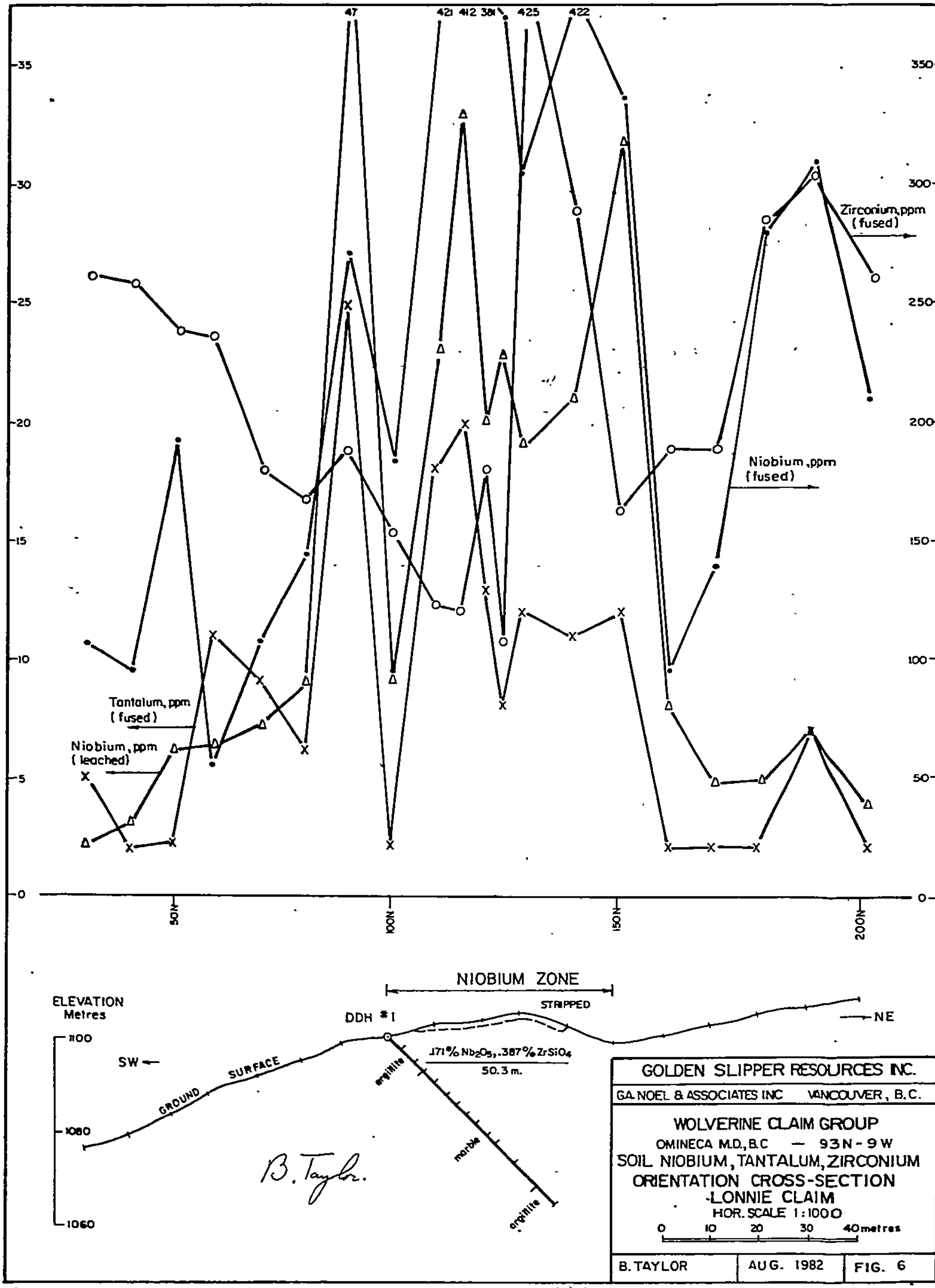

47
421 412 381
425
422
Zirconium, ppm (fused)
Niobium, ppm (fused)
Tantalum, ppm (fused)
Niobium, ppm (leached)
0
5
10
15
20
25
30
35
50
100
150
200
250
300
350
50N
100N
150N
200N
NIOBIUM ZONE
STRIPPED
ELEVATION Metres
1100
1080
1060
DDH #1
SW
NE
GROUND SURFACE
.171% Nb_2O_5, .387% $ZrSiO_4$
50.3 m.
argillite
marble
argillite
B. Taylor
GOLDEN SLIPPER RESOURCES INC.
G.A. NOEL & ASSOCIATES INC VANCOUVER, B.C.
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C — 93N-9W
SOIL NIOBIUM, TANTALUM, ZIRCONIUM
ORIENTATION CROSS-SECTION
-LONNIE CLAIM
HOR. SCALE 1:1000
0 10 20 30 40 metres
B. TAYLOR
AUG. 1982
FIG. 6

TABLE III

Element Anomality	Distribution of Elements in ppm definite	probable	possible	background
NIOBIUM acid digestion)	>30	14-29	7-13	0-6
NIOBIUM (fused)	>340	280-339	180-279	0-179
TANTALUM (fused)	-	10-	6-9	0-5
CERIUM	>200	100-199	70-99	0-69
LANTHANUM	>160	100-159	50-49	0-49
URANIUM	>50	20-49	6-19	0-5
THORIUM	-	-	8-	0-7
CALCIUM %	>10.0	3.0-9.99	0.70-2.99	0.0-0.69
MANGANESE	>1600	900-1599	500-899	0-499
STRONTIUM	>220	80-219	40-79	0-39
BARIUM	>300	190-279	140-189	0-139
ZIRCONIUM	-	-	>400	0-399

GEOCHEMICAL RESULTS

Niobium

The plotting of the two different sets of values for the soil and silt samples reveal a general agreement as to where the anomalous areas are located. However, they differ considerably in the amount of metal present, 2-34 ppm by aqua regia acid digestion, 2-1536 ppm when fused with Na_2O_2. This is almost surely a result of the procedures used in the laboratory. It is of interest to note that the check assays done by x-ray fluorescence on the seven rock samples were higher than the directly comparable fused samples analyzed by ICP.

There is considerable scatter in the actual location of the anomalous values, where they are reinforced with anomalous zones in the rare earths, uranium or thorium, and strontium, the conclusion is reached that these are areas which overlie niobium bearing rocks and therefore should be investigated further.

From south to north these areas are:

(A) The junction of Granite Creek and its tributary coming in from the north. This is an outcropping of carbonatite rock. It is the off set extension of the Lonnie zone. The scarcity of anomalous values in the Lonnie West grid and the number of values in the silt from the tributary suggest that the zone is closer to the creek than anticipated.

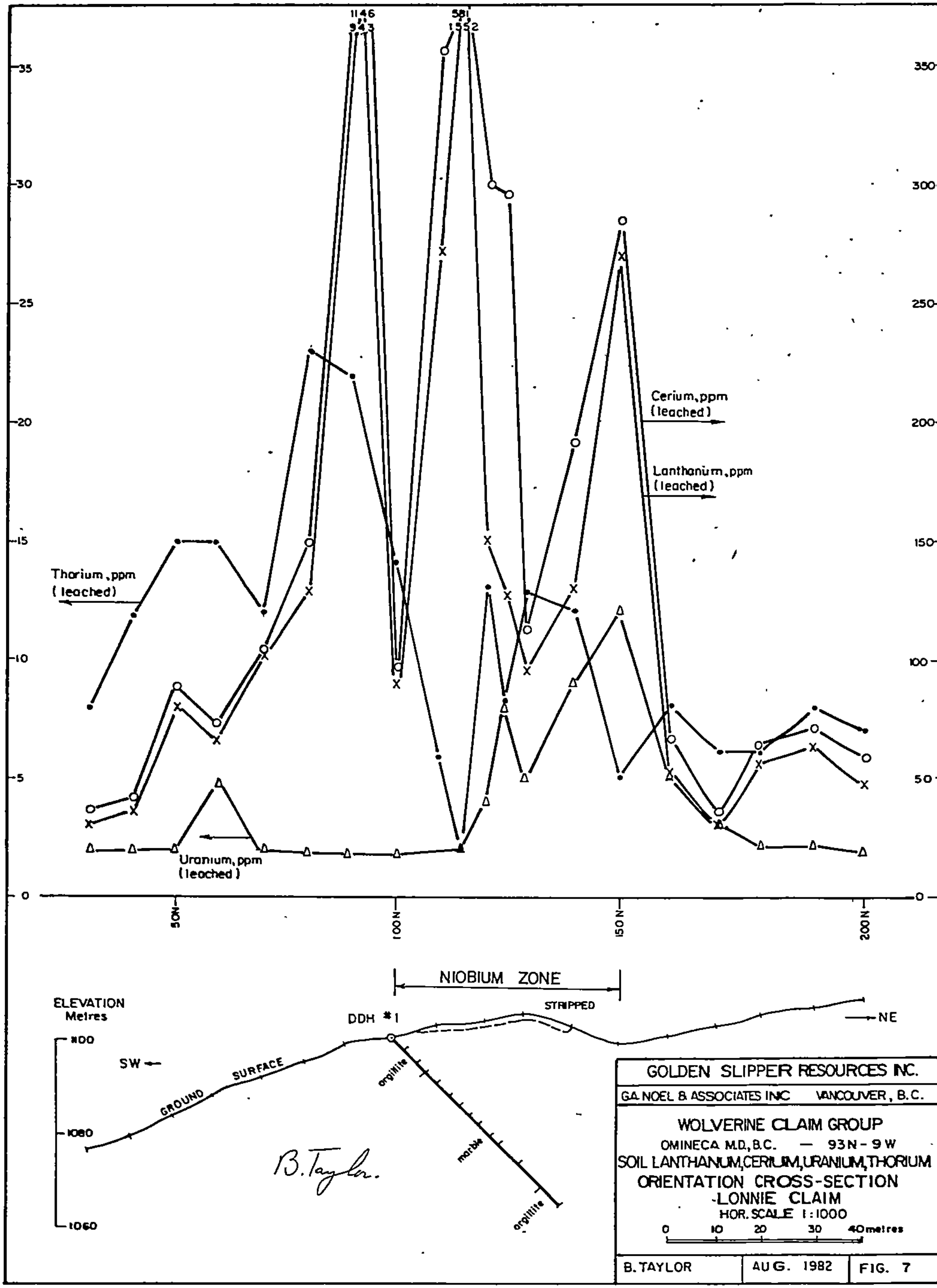
(B) The Taylor grid lies about 1200 metres at 150° Azimuth from the Vergil showing. The soil samples were taken because of anomalously high spectrometer readings. To ensure that sufficent samples were taken to be representative, a small square grid, 15 metres between samples, was covered: It is the most consistent anomaly found and likely can be enlarged by additional sampling.

(C) A poorly defined area about mid-way along ghe southern line of the Vergil south grid. A branch to the southwest corner seems probable, as well as a weaker connection to the southeastern corner.

(D) On the northwest corner of the Vergil South soil grid, adjacent to the Brent 1 claim, lies an area of relatively good values. It is connected to C anomaly by a strong uranium anomaly. Quite possibly this is an extension of the Vergil showing.

(E) Mid-way on the west side of the Vergil North site grid a few persistent niobium readings appear. There may be additional niobium just beyond the grid.

The eastern part of Wolverine 2 and 4 were not sampled, but some widely spaced traverses and soil sampling



GOLDEN SLIPPER RESOURCES INC.

GA. NOEL & ASSOCIATES INC VANCOUVER, B.C.

WOLVERINE CLAIM GROUP

OMINECA M.D., B.C. — 93N - 9W

SOIL LANTHANUM, CERIUM, URANIUM, THORIUM ORIENTATION CROSS-SECTION -LONNIE CLAIM

HOR. SCALE 1:1000

0 10 20 30 40 metres

B. TAYLOR	AUG. 1982	FIG. 7

seems desirable in view of the tantalum values noted in Granite Creek silt.

A curious situation exists on Granite Creek tributary No 1 where anomalous values were reported but not confirmed by other elements. It is believed that is caused by a laboratory technical problem.

Tantalum

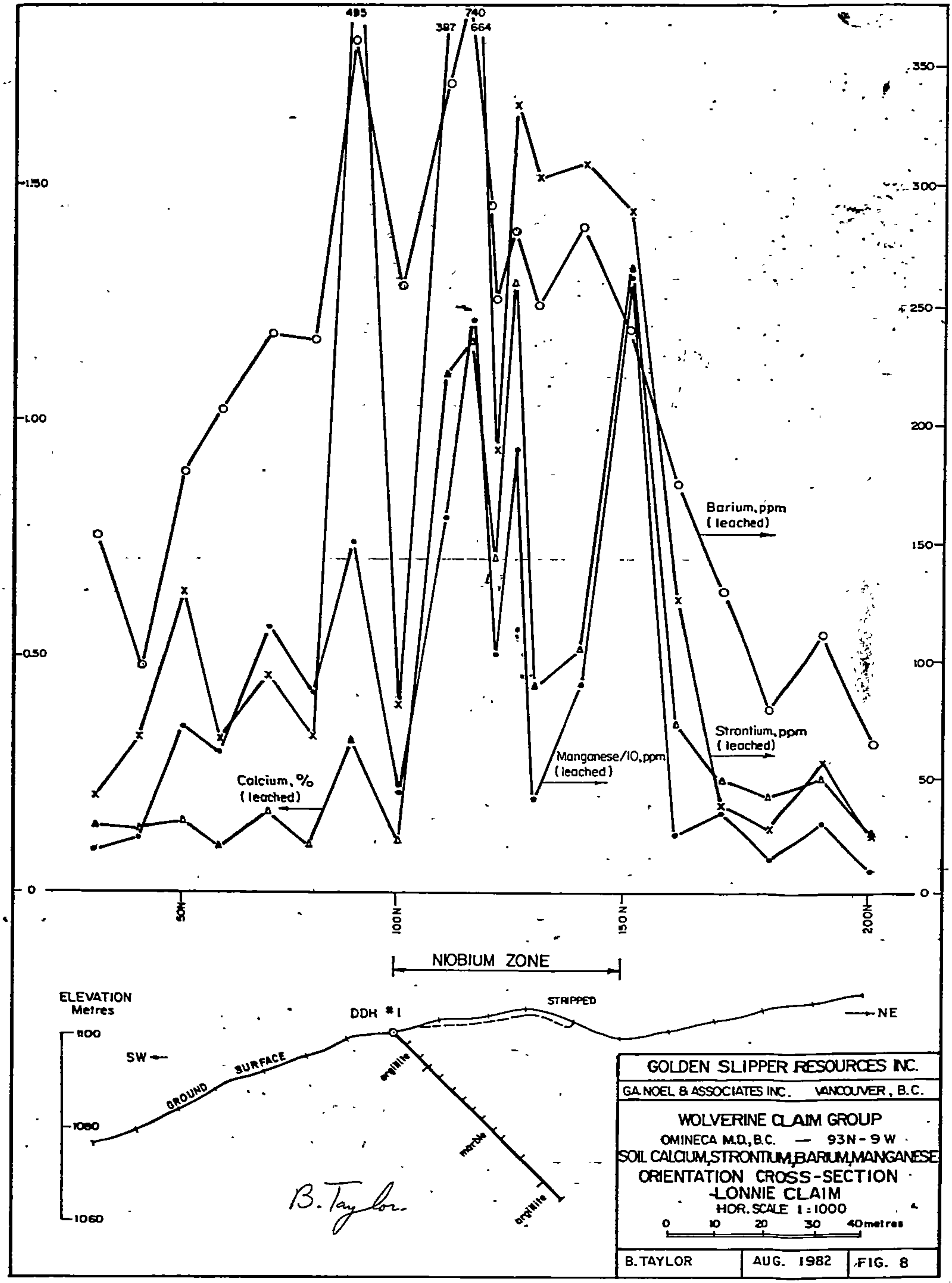
The tantalum content of the soil is so low that it was virtually not detected by the acid digestion method. The Na_2O_2 fusion method revealed more of it. It is present in the Orientation line, the A and B anomalies and to a lesser degree in the other anomalies. There is a scattering of low values on the Lonnie West grid, which are not reinforced by niobium or rare earth values. The east end of the Granite Creek silt sampling indicated its presence.

Cerium and Lanthanum

Only the cerium values are plotted and contoured, although both metals confirm the niobium anomaly locations, especially around anomalies B,C,D,E, and the Orientation line. They are virtually absent on the Lonnie West and Pitch South soil grids.

Uranium and Thorium

Uranium has been plotted and contoured while thorium shows only weak anomalous tendencies and therefore not used. Two areas show anomalous uranium concentrations. A large strong anomaly is centred in the Pitch South soil grid. The second anomaly is in the centre of the Vergil South soil grid. Neither grid corresponds with the niobium anom-



B. Taylor

GOLDEN SLIPPER RESOURCES INC.

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

WOLVERINE CLAIM GROUP

OMINECA M.D., B.C. — 93N-9W

SOIL CALCIUM, STRONTIUM, BARIUM, MANGANESE
ORIENTATION CROSS-SECTION
-LONNIE CLAIM

HOR. SCALE 1:1000

0 10 20 30 40 metres

B. TAYLOR	AUG. 1982	FIG. 8

alous areas although the Vergil South zone may be something of a connector between anomalies C and D. However, despite radioactivity over the Lonnie and Vergil showings and the locating of the Taylor grid by its use, none showed chemically more than slight amounts.

Calcium and Strontium

These two elements were chosen because they have a base in the Orientation line. Both elements gave very good anomalies in the Pitch South soil grid as well as in the Vergil South and less so in the Vergil North grid. They coincide rather well with the uranium soil anomalies, but only poorly with niobium, despite being very basic elements in carbonatites.

Manganese

The element is anomalous over the mineralized zone on the Lonnie Orientation line. As a variable constituent of columbite it was felt that it could reflect that minerals' presence. However, only on Vergil South was it anomalous. It turned out to be of little value as it was too thinly distributed to form significant anomalies.

Discussion

The best niobium and tantalum indicators are the metals themselves. Because these deposits are carbonatites, rare earths, phosphorous, iron, manganese, uranium, thorium , zirconium, barium and fluorine are often present and may be used as indicators. Carbonate is essential and thus calcium, magnesium and strontium may also be indicative. Because of this wide range of associated elements, and the ability of modern laboratory techniques to measure them quickly and with variable accuracy, the numerous maps showing metal distribution were produced to delineate the most favourable areas for more intensive exploration.

In commenting upon the various metal distribution patterns produced from the results of the soil and silt samples collected, it was noted that some elements produced anomalies that are not valid for this occurrence. It is a matter of judgement as to which ones to emphasize, in conjuction with the geology, topography and biosphere. The Pitch South soil grid, despite its coincident calcium, strontium and uranium anomalies did not overly niobium and no further work is required in the area.

The regional geology strikes in a northwesterly direction. The Vergil showing lies on this trend from the Lonnie showing. The areas sampled were along this trend. A scrutiny of the results obtained indicates that there may be several parallel bands, as well as some displacement of the Lonnie deposit to the east along Granite Creek.

The silt sampling was not as definitive as hoped for. However, it did rule out for now the extreme northeast side of Wolverine 7 and northwestern portion of Wolverine 8.

RECOMMENDATIONS

There are niobium anomalous areas present on the Wolverine claims. A program to investigate the best, and most accessible of the anomalies is warranted. Access to the anomalies will be required if subsequent drilling is to be undertaken. A bulldozer trail which can double as a trench is proposed to go from anomaly D through C to B. Mapping along the proposed trail, with trenching and rock sampling in the anomalous areas would provide the required information for spotting drilling sites and additional trenches.

In addition, as a separate program, the soil sampling and geological mapping coverage between the Lonnie and Vergil showings should be completed with backhoe trenching and/or drilling of any interesting anomalies discovered.

ESTIMATED COSTS

1.	Bulldozer stage- time required 10 days using D6 or equivalent.		
	100 hours @ $80/hour	$ 8,000.00	
	Transportation of bull-dozer, Fort St. John	1,500.00	
	Accomodation	600.00	
	Swamper	1,500.00	
	Supervision, geology, report	3,000.00	
	Assaying of 50 samples @ $12/sample	600.00	
	Truck Rental, fuel, etc.	1,000.00	
		$16,200.00	
	Contingency @ 15%	2,400.00	
	Total		$18,600.00
2.	Diamond Drilling follow-up (if required) 600 metres @ an overall cost of $150/m say		90,000.00
3.	Additional soil sampling		
	1300 samples @ $10.00	$13,000.00	
	Geochem analysis	10,400.00	
	Supervision, vehicle, report, contingency, etc.	9,600.00	
	approximately		33,000.00
			$141,600.00

B. Taylor.

CERTIFICATE

I, Bert Taylor, do herby certify that:

1. I am a practicing geological engineer, with G.A. Noel & Associates, Inc., 721 - 602 West Hastings Street, Vancouver, B.C.

2. I am a graduate of the University of Saskatchewan and have been granted the degree of Bachelor of Science in Geological Engineering.

3. I have been practicing my profession as a geological engineer for over 25 years.

4. I am a member of the Association of Professional Engineers of British Columbia, Registration No. 7879.

5. I have no interest, nor expect to receive any interest, direct or indirect, in the properties or securities of Golden Slipper Resources Inc.

6. The information in this report is from a study of previous reports and from my work on the property June 30th-July 22nd, 1982.

September 21, 1982.

B. Taylor.
B. TAYLOR, P. Eng.

REFERENCES

Armstrong, J.E., Lang, A.H., and Thurber, J.B.
1946 , G.S.C. Map 876A. Mansen Creek, Scale 1:253 340

Armstrong J.E.
1946 Fort St. James Map Area, Cassiar and Coast District, B.C. G.S.C. Memoir 252

Dawson, K.R.
Niobium (Columbium) and Tantalum in Canada. G.S.C. Economic Geology Report, No. 29.

Minister of Mines Annual Report
1954 page 56
1955 page 29
1970 page 181
1973 page 368
1974 page 278-279

Stanton, R.L.
1972 Ore Petrology, McGraw - Hill Inc., p. 352-371

Stokes, R.B.
1978 Report on the Lonnie/Pitch claims, Manson Creek Area. private report for Molymite Mines, Inc.

Stokes, R.B.
1979 Geological Report on the Wolverine Claim Report on the Diamond Drilling of Lonnie/Pitch Mines, Manson Creek Area, private report for Molymite Mines Inc.

Sookochoff, L.
1982 Geological Report on the Wolverine Claim Group. private report for Golden Slipper Resources, Inc.

APPENDIX I

COST STATEMENT

(portion applicable to
Wolverine 1-4 claims)

		TOTAL COST
WAGES		
B. Taylor -	June 20 - 30, 1982 6 days @ $300.00 x 4/9	
	July 1 - 31, 1982 27 days @ $300.00 x 4/9	
	August 1 - 15, 1982 10 days @ $300.00 x 4/9	
	September 1 - 7, 1982 2 days @ $300.00 x 4/9	$6,000.00
M. Mackillop-	June 28 - July 26, 1982 27 days @ $150.00 x 4/9	1,800.00
B. Dent-	June 30 - July 22, 1982 23 days @ $150.00 x 4/9	1,533.33

FOOD AND ACCOMODATION

June 30 - July 22, 1982 23 days for 3 people @ $20.96 per man day x 4/9	642.60

TRANSPORTATION

Vehicle rental for one month	$1,189.14	
Fuel, etc.	315.22	
	$1,504.36 x 4/9	668.60

INSTRUMENT RENTAL

Magnetometer	$300.00	
Spectrometer	100.00	
Ultra-violet lamp -	25.00	
	$425.00 x 4/9	188.90

.../2

CHEMICAL ANALYSIS

468 samples for geochemical analysis for Nb, Ta, Ca, U, Mn, Sr @ average cost of$8.48	$3,969.92

REPORT PREPARATION

Drafting, printing, secretarial $1,330.88 x 4/9	591.47

OTHER

Aerial photos, batteries, tools L.D. telephone, etc.- $617.47 x 4/9	274.43
	$12,070.47

B. Taylor.

COST STATEMENT

(portion applicable to
Wolverine 5-9 claims)

		TOTAL COST
WAGES		
B. Taylor -	June 20 - 30, 1982 6 days @ $300.00 x 5/9	
	July 1 - 31, 1982 27 days @ $300.00 x 5/9	
	August 1 - 15, 1982 10 days @ $300.00 x 5/9	
	September 1 - 7, 1982 2 days @ $300.00 x 5/9	$7,500.00
M. Mackillop -	June 28 - July 26, 1982 27 days @ $150.00 x 5/9	2,250.00
B. Dent -	June 30 - July 22, 1982 23 days @ $150.00 x 5/9	1,916.67
FOOD AND ACCOMODATION		
	June 30 - July 22, 1982 23 days for 3 people @ $20.96 per man day x 5/9	803.40
TRANSPORTATION		
	Vehicle rental for one month $1,189.14 Fuel, etc. 315.22 $1,504,36 x 5/9	835.76
INSTRUMENT RENTAL		
	Magnetometer $300.00 Spectrometer 100.00 Ultra-violet lamp 25.00 $425.00 x 5/9	236.10

.../2

CHEMICAL ANALYSIS

572 samples for geochemical for NB, Ta, Ca, Sr, U, Mn @ average cost of$8.50	$4,862.11

REPORT PREPARATION

Drafting, printing, secretarial binding - $1,330.80 x 5/9	739.33

OTHER

Aerial photos, batteries, tools L.D. telephone, etc. - $617.41 x 5/9	343.04
	$19,486.41

B. Taylor

APPENDIX II

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: G.A. NOEL & ASSOCIATES INC.
ATTN: BERT TAYLOR, GEOLOGIST
CONSULTING GEOLOGISTS
721 - 602 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6B 1L8

CUSTOMER NO. 486

DATE SUBMITTED
26-AUG-82

REPORT 15741

REF. FILE 11528-R6

10 PULPS

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
NB PPM	XRF-G	10.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 08-SEP-82

CERTIFIED BY ....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD PULPS AND REJECTS ***
90 DAYS FROM DATE OF THIS REPORT

SAMPLE	NB PPM
W1	1410
W2	1050
W3	550
W4	190
W5	30
W6	2240
LON 120-130M	1170
P3W 1.8N	<10
P2.4W 1.5N	<10
P1.2W 0.9W	<10

NUCLEAR ACTIVATION SERVICES LIMITED

1280 MAIN STREET WEST, HAMILTON, ONTARIO L8S 4K1

PHONE 416-522-5666 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: G.A. NOEL AND ASSOCIATES
ATTN: BERT TAYLOR
721 - 602 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA
V6B 1L8

CUSTOMER NO. 153

DATE SUBMITTED
26-AUG-82

REPORT 1206

REF. FILE 2215-

10 SAMPLES

WERE ANALYSED AS FOLLOWS:

	UNITS	METHOD	DETECTION LIMIT
TA	PPM	INAA-U	5.000

NUCLEAR ACTIVATION SERVICES LIMITED

DATE 07-SEP-82

CERTIFIED BY ....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD REJECTS ***

SAMPLE	TA PPM
LON-120-130M	7
LWOW-5.15N	28
VN3N-6W	<5
VNON-1.2N	<5
W-1	34
W-2	17
W-3	7
W-4	<5
W-5	<5
W-6	32

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS, VANCOUVER B.C. PH:253-3158 TELEX:04-53124

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Na,K,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
SAMPLE TYPE - SOIL/SILT

DATE RECEIVED JULY 26 1982 DATE REPORTS MAILED Aug 24/82 ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
W-1	1	32	13	52	.2	46	13	191	3.81	10	2	ND	9	17	1	3	2	38	.34	.03	41	52	.76	111	.03	3	2.03	.02	.17	2	4	80	10	5	2
W-2	1	45	20	69	.1	60	18	274	5.88	11	2	ND	10	25	1	2	2	41	.32	.05	32	50	.91	78	.03	3	2.54	.02	.21	2	4	57	6	4	2
W-3	1	105	21	127	.2	121	39	636	11.16	20	2	ND	14	22	1	6	2	18	.33	.09	29	28	.50	87	.01	2	2.10	.03	.16	2	5	48	8	2	2
W-4	1	28	16	72	.2	47	18	567	4.73	6	2	ND	7	39	1	2	2	48	.54	.04	26	61	.93	93	.04	4	2.48	.02	.20	2	4	54	6	5	2
W-5	1	23	25	72	.2	49	21	535	5.25	3	2	ND	9	62	1	2	2	40	.52	.03	32	56	.88	174	.01	2	3.32	.02	.35	2	4	57	8	6	2
W-6	1	9	7	64	.4	27	9	235	2.94	2	3	ND	6	14	1	3	2	27	.16	.03	36	34	.79	83	.01	2	1.79	.02	.22	2	2	65	4	6	2
W-7	1	31	9	38	.2	11	4	148	2.36	2	2	ND	2	17	1	2	2	49	.20	.02	27	26	.21	56	.03	2	1.10	.02	.12	2	2	53	3	5	2
W-8	1	10	12	59	.3	26	10	238	3.88	4	2	ND	4	17	1	4	2	48	.27	.04	29	40	.71	71	.03	2	1.87	.02	.19	2	2	54	3	4	2
W-9	1	12	12	71	.3	27	11	335	3.56	2	2	ND	5	19	1	2	2	33	.30	.05	25	35	.73	80	.02	2	1.78	.02	.21	2	2	46	3	5	2
W-10	1	39	15	73	.1	47	15	296	4.40	5	2	ND	8	11	1	2	2	35	.22	.05	29	48	1.18	89	.02	2	2.47	.01	.16	2	3	51	5	5	2
W-11	1	18	10	61	.2	36	12	343	3.77	2	2	ND	6	16	1	2	2	44	.29	.03	29	47	.96	125	.02	2	2.49	.02	.17	2	3	52	4	5	2
W-12	1	8	13	47	.2	20	8	490	1.94	2	2	ND	4	12	1	3	2	19	.18	.03	22	24	.51	85	.01	2	1.26	.02	.19	2	2	41	2	5	2
W-13	1	5	6	51	.2	19	7	205	2.38	2	2	ND	4	16	1	2	2	33	.27	.03	29	29	.59	85	.02	2	1.56	.02	.15	2	2	51	3	5	2
W-15	1	22	12	62	.3	31	12	511	3.39	5	2	ND	5	23	1	2	2	48	.41	.04	26	43	.70	116	.04	4	2.20	.03	.22	2	4	44	5	5	2
W-16	1	17	11	63	.3	35	15	633	3.63	2	2	ND	6	23	1	2	2	45	.38	.06	27	44	.75	154	.04	3	2.26	.02	.25	2	3	48	4	5	2
W-17	1	36	14	60	.1	75	16	316	4.74	7	2	ND	5	27	1	2	2	73	.65	.03	24	101	1.20	100	.08	5	2.50	.03	.20	2	6	43	6	5	2
W-18	1	87	6	15	.8	31	3	404	.80	3	12	ND	2	329	1	2	2	7	16.53	.13	11	26	.38	46	.01	8	.61	.01	.06	2	2	12	39	6	2
W-19	1	28	7	12	.6	8	2	72	.54	2	7	ND	2	264	1	2	2	5	25.24	.03	11	10	.32	22	.01	2	.34	.01	.04	2	2	17	25	6	2
W-20	1	11	6	33	.2	17	5	126	1.21	2	2	ND	3	32	1	2	2	18	1.32	.02	23	19	.38	78	.01	2	1.25	.03	.15	2	2	41	4	6	2
W-21	1	12	10	70	.2	32	10	238	4.18	2	2	ND	8	18	1	2	2	40	.51	.05	33	38	.86	80	.02	2	2.01	.02	.21	2	3	56	4	4	2
W-22	1	6	4	30	.2	10	3	138	1.35	2	2	ND	2	19	1	2	2	23	.36	.03	32	19	.23	96	.01	2	1.12	.02	.15	2	2	58	3	5	2
W-23	2	30	23	54	.4	38	12	460	3.47	17	2	ND	6	24	1	2	2	35	.40	.04	31	36	.76	105	.02	2	1.94	.02	.22	2	2	53	5	5	2
W-24	1	16	11	53	.2	33	10	269	3.23	2	2	ND	6	17	1	2	2	46	.35	.02	28	44	.82	88	.05	2	2.11	.02	.18	2	3	48	5	5	2
W-25	1	10	8	49	.2	32	11	291	3.16	2	2	ND	6	13	1	2	2	38	.25	.03	28	38	.82	98	.02	2	1.98	.02	.20	2	3	47	3	5	2
W-26	1	12	12	68	.2	34	12	373	3.44	2	2	ND	8	16	1	2	2	32	.26	.05	32	39	.94	90	.01	2	2.32	.02	.23	2	2	55	4	5	2
W-27	1	9	7	54	.3	25	10	389	2.34	2	2	ND	5	17	1	2	2	25	.28	.04	28	31	.66	122	.01	2	1.98	.02	.23	2	2	49	3	5	2
W-28	1	4	4	37	.1	18	6	594	1.48	2	2	ND	5	13	1	2	2	15	.17	.02	33	20	.49	94	.01	2	1.22	.02	.21	2	2	59	3	5	2
W-29	1	9	7	64	.2	25	9	542	2.46	2	2	ND	4	13	1	2	2	21	.17	.05	25	26	.72	102	.01	2	1.61	.02	.19	2	2	45	4	5	2
W-30	1	16	10	58	.2	32	11	234	3.44	2	2	ND	8	10	1	2	2	33	.15	.03	28	43	.90	108	.03	2	2.22	.02	.17	2	3	49	5	5	2
W-31	1	22	12	51	.1	37	12	325	3.35	6	2	ND	7	17	1	2	2	38	.32	.02	27	51	.83	90	.05	3	2.01	.02	.17	2	4	48	5	5	2
W-32	1	12	9	67	.2	32	11	228	3.83	2	2	ND	6	14	1	2	2	43	.23	.04	28	52	.88	139	.03	2	2.42	.02	.19	2	3	49	5	4	2
W-33	1	23	19	88	.4	38	14	652	5.16	4	2	ND	15	19	1	2	2	52	.22	.08	24	53	.81	141	.04	2	2.21	.02	.38	2	4	47	6	4	2
W-34	1	53	13	84	.2	44	11	308	4.84	2	2	ND	14	10	1	2	2	26	.11	.04	35	40	1.05	95	.02	2	2.53	.01	.46	2	3	59	3	5	2
W-35	1	22	14	79	.3	44	14	301	5.13	2	2	ND	11	11	1	2	2	31	.11	.05	43	52	1.11	64	.01	3	2.63	.01	.28	2	3	73	6	5	2
W-36	1	41	18	90	.2	52	14	373	5.99	2	2	ND	12	12	1	2	2	26	.08	.12	36	52	1.17	103	.01	2	3.17	.01	.27	2	3	59	4	4	2
W-37	1	7	9	33	.2	16	5	138	2.26	2	2	ND	5	11	1	2	2	35	.29	.03	28	28	.49	58	.05	2	1.41	.02	.12	2	3	50	4	5	2
~~RE W-13~~	~~1~~	~~5~~	~~7~~	~~54~~	~~.3~~	~~20~~	~~8~~	~~220~~	~~2.51~~	~~2~~	~~3~~	~~ND~~	~~5~~	~~17~~	~~1~~	~~3~~	~~2~~	~~35~~	~~.29~~	~~.03~~	~~30~~	~~31~~	~~.62~~	~~90~~	~~.02~~	~~2~~	~~1.64~~	~~.02~~	~~.15~~	~~2~~	~~2~~	~~51~~	~~3~~	~~5~~	~~2~~
~~STD A-1~~	~~1~~	~~35~~	~~43~~	~~204~~	~~.4~~	~~39~~	~~11~~	~~1006~~	~~3.10~~	~~7~~	~~2~~	~~ND~~	~~2~~	~~40~~	~~2~~	~~2~~	~~2~~	~~67~~	~~.74~~	~~.11~~	~~9~~	~~84~~	~~.88~~	~~325~~	~~.10~~	~~6~~	~~2.33~~	~~.02~~	~~.26~~	~~2~~	~~9~~	~~10~~	~~9~~	~~5~~	~~2~~
W-14	1	8	8	35	.2	14	5	262	1.56	2	2	ND	3	16	1	4	2	21	.31	.02	27	23	.34	90	.01	2	1.52	.02	.15	2	3	53	2	17	2

TRAVERSE

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
W-38	1	6	7	27	.1	12	4	173	1.60	2	4	ND	3	8	1	2	2	24	.13	.03	22	21	.28	57	.02	2	.99	.02	.11	2	2	39	2	5	2
W-39	1	8	11	61	.3	21	7	190	3.58	5	2	ND	5	11	1	2	2	41	.13	.10	24	34	.54	63	.02	2	1.63	.01	.13	2	3	40	3	5	2
W-40	1	9	10	74	.4	22	8	236	3.97	2	2	ND	5	7	1	2	2	38	.09	.10	25	35	.57	57	.01	2	1.84	.01	.11	2	3	43	2	5	2
W-41	1	18	9	60	.2	27	9	255	3.66	3	2	ND	10	7	1	2	2	28	.11	.07	35	32	.58	70	.01	2	1.57	.01	.13	2	3	63	5	7	2
W-42	1	7	7	40	.2	11	6	804	1.94	2	2	ND	2	7	1	2	2	26	.10	.06	19	20	.30	51	.02	2	1.20	.01	.10	2	2	34	2	5	2
W-43	1	13	9	28	.2	16	5	123	2.43	4	2	ND	5	12	1	2	2	55	.20	.03	21	21	.20	54	.06	2	.86	.02	.08	2	2	36	3	5	2
W-44	1	11	13	64	.2	18	6	224	4.21	5	2	ND	5	8	1	2	2	57	.14	.14	18	34	.37	59	.06	3	1.53	.01	.10	2	3	29	3	5	2
W-45	1	9	7	34	.2	15	5	143	2.84	2	2	ND	5	8	1	2	2	45	.16	.05	18	28	.37	60	.05	2	1.30	.02	.10	2	2	31	2	5	2
W-46	1	19	8	50	.1	31	9	228	3.67	2	2	ND	7	10	1	2	2	40	.18	.07	18	41	.74	82	.05	3	1.81	.01	.13	2	3	31	4	5	2
W-47	1	9	16	60	.2	17	6	263	3.10	2	2	ND	8	11	1	2	2	51	.15	.06	21	45	.50	118	.13	2	1.44	.02	.22	2	3	39	3	6	2
W-48	1	8	10	38	.1	12	4	168	2.48	3	2	ND	5	9	1	2	2	39	.08	.05	25	31	.37	90	.10	2	1.24	.02	.22	2	2	39	2	5	2
W-49	4	7	10	25	.3	7	2	169	2.06	3	2	ND	4	31	1	2	2	45	.12	.03	137	19	.12	103	.11	2	.51	.03	.14	2	2	161	2	9	2
W-50	9	9	8	53	.2	20	8	343	2.92	2	2	ND	8	31	1	2	2	44	.19	.03	31	38	.54	82	.11	2	1.28	.02	.18	2	3	53	3	5	2
W-51	6	10	12	49	.3	16	6	289	3.09	2	2	ND	6	15	1	2	2	54	.10	.04	31	42	.48	79	.13	2	1.21	.02	.24	2	3	45	3	5	2
W-52	2	15	8	57	.2	33	9	360	3.25	2	2	ND	9	16	1	2	2	42	.14	.09	33	31	.50	99	.07	2	1.44	.02	.24	2	3	53	7	5	2
W-53	1	9	9	56	.2	17	6	358	3.02	4	2	ND	6	14	1	2	2	42	.13	.05	27	36	.45	118	.09	2	1.36	.02	.25	2	3	43	4	5	2
W-54	2	17	6	45	.2	24	7	181	3.56	2	2	ND	7	6	1	2	2	23	.06	.05	29	16	.14	83	.01	2	.78	.01	.07	2	2	50	4	5	2
W-55	1	13	10	54	.2	25	8	195	3.62	4	2	ND	5	11	1	2	2	48	.18	.04	18	45	.67	84	.06	2	1.83	.02	.14	2	3	30	[illegible]	5	2
W-56	1	8	8	18	.3	8	2	89	1.40	2	2	ND	3	11	1	2	2	33	.13	.03	22	18	.10	68	.04	2	.73	.02	.08	2	2	40	3	5	2
W-57	1	8	6	20	.2	10	3	86	1.68	2	2	ND	4	10	1	2	2	44	.18	.02	20	17	.18	43	.06	2	.95	.02	.11	2	2	35	2	5	2
W-58	1	5	10	34	.2	12	4	134	2.84	4	2	ND	3	8	1	2	2	51	.15	.03	16	26	.30	47	.05	2	1.24	.01	.10	2	2	27	2	5	2
W-59	1	7	7	35	.3	14	5	134	3.00	3	2	ND	3	8	1	2	2	52	.18	.05	17	30	.37	46	.05	2	1.63	.02	.09	2	3	28	2	5	2
W-60	1	5	3	40	.2	14	5	170	2.32	2	2	ND	5	5	1	3	2	17	.03	.04	20	21	.63	89	.01	2	1.80	.01	.19	2	2	33	2	5	2
W-61	1	38	8	89	.3	39	12	344	4.73	4	2	ND	11	7	1	2	2	33	.09	.14	22	46	.98	67	.03	3	2.63	.01	.21	2	3	28	4	5	2
W-62	1	10	6	37	.3	20	7	156	3.19	2	2	ND	4	8	1	2	2	54	.26	.06	16	38	.53	65	.07	2	1.74	.02	.09	2	4	26	3	5	2
W-63	1	11	6	48	.3	24	8	208	3.07	4	2	ND	5	7	1	2	2	48	.24	.05	19	39	.61	58	.07	2	1.85	.02	.12	2	3	31	4	5	2
W-64	1	11	10	66	.9	16	7	342	2.43	2	2	ND	5	8	1	2	2	28	.09	.06	28	28	.38	70	.02	2	1.33	.02	.13	2	2	47	3	5	2
W-65	1	5	8	50	.4	20	7	140	2.49	2	2	ND	4	8	1	2	2	29	.09	.03	26	32	.57	63	.02	2	1.60	.02	.14	2	2	43	3	5	2
W-66	1	18	14	88	.2	38	13	839	3.92	2	2	ND	9	21	1	2	2	27	.23	.07	29	41	.86	152	.02	3	2.46	.01	.32	2	2	44	6	5	2
W-67	1	22	22	113	.3	27	12	2644	3.21	3	2	ND	4	29	1	2	2	30	.36	.16	23	33	.57	182	.02	2	1.76	.01	.24	2	2	34	6	5	2
W-68	1	6	14	80	.2	27	9	272	2.83	3	2	ND	6	13	1	2	2	28	.19	.05	17	33	.69	118	.03	2	1.88	.01	.25	2	2	27	3	5	2
W-69	1	22	22	100	.2	44	17	1159	4.00	5	2	ND	10	22	1	2	2	30	.28	.09	24	43	.93	164	.03	3	2.40	.01	.40	2	3	42	6	5	2
W-70	1	33	23	89	.3	35	16	2204	3.54	2	2	ND	2	33	1	2	2	24	.51	.13	25	40	.82	153	.01	3	2.01	.01	.27	2	2	45	10	5	2
VNON 0W	1	17	10	37	.3	16	5	175	2.47	2	2	ND	6	11	1	2	2	44	.11	.04	25	27	.37	59	.08	2	1.46	.02	.16	2	3	44	5	5	2
VNON 0.3W	1	15	12	37	.4	14	4	168	1.82	2	4	ND	3	28	1	2	2	29	.22	.02	26	26	.42	72	.06	2	1.42	.03	.24	2	2	46	8	6	2
VNON 0.6W	1	17	14	75	.5	14	8	251	7.01	13	2	ND	2	122	1	2	2	114	.67	.55	56	40	.80	70	.15	2	2.90	.02	.19	2	6	97	10	13	2
VNON 0.9W	1	23	12	51	.4	19	5	111	4.27	2	2	ND	7	13	1	2	2	73	.06	.11	31	40	.63	73	.11	2	2.12	.02	.29	2	3	51	5	7	2
VNON 1.2W	1	21	3	14	1.9	12	3	706	.82	2	201	ND	2	188	4	2	2	12	5.60	.16	5	30	.18	22	.01	7	.70	.02	.05	5	2	13	5	5	2
~~STD A-1~~	~~1~~	~~27~~	~~33~~	~~161~~	[illegible]	[illegible]	~~11~~	[illegible]	[illegible]	[illegible]	~~2~~	~~ND~~	~~2~~	~~31~~	~~1~~	~~2~~	~~2~~	~~40~~	[illegible]	[illegible]	~~7~~	~~45~~	[illegible]	~~251~~	[illegible]	~~5~~	[illegible]	~~.02~~	~~.20~~	~~2~~	~~7~~	~~13~~	~~7~~	~~5~~	~~2~~

TRAVERSE

VERGIL NORTH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VNON 1.5W	1	20	9	60	.4	19	7	157	2.95	4	2	ND	5	22	1	2	2	50	.28	.04	37	33	.80	86	.09	3	2.10	.02	.20	2	3	56	5	4	2
VNON 1.8W	1	21	23	51	.6	17	5	139	2.40	2	2	ND	3	23	1	2	2	37	.22	.05	43	32	.47	88	.03	3	1.89	.01	.21	2	2	66	5	5	2
VNON 2.1W	1	13	16	71	.4	19	6	170	4.27	3	2	ND	6	20	1	2	2	67	.27	.19	31	38	.57	57	.09	4	2.01	.01	.15	2	5	51	5	3	2
VNON 2.4W	1	24	8	65	.4	20	7	163	3.27	5	2	ND	7	23	1	2	2	56	.22	.04	27	36	.80	80	.10	3	2.24	.02	.37	2	4	42	7	2	2
VNON 2.7W	1	33	15	65	.5	18	5	245	3.39	2	2	ND	9	24	1	2	2	46	.17	.06	34	38	.59	91	.11	3	2.43	.01	.36	2	4	40	13	3	2
VNON 3W	1	18	13	75	.4	21	8	240	3.16	3	2	ND	5	35	1	2	2	51	.28	.05	52	44	.79	90	.08	7	2.41	.03	.25	2	3	75	8	4	2
VNON 3.3W	1	20	19	95	.6	22	8	290	3.86	4	2	ND	5	43	1	2	2	64	.35	.15	48	44	.63	100	.07	8	2.20	.02	.26	2	3	72	8	6	2
VNON 3.6W	1	14	11	84	.9	19	6	198	3.27	8	2	ND	6	30	1	2	2	46	.27	.08	48	38	.63	76	.05	4	1.98	.02	.19	2	3	73	8	4	2
VNON 3.9W	1	11	12	86	1.0	17	6	238	2.82	2	2	ND	4	27	1	2	2	44	.25	.06	45	37	.54	73	.05	4	1.98	.02	.16	2	2	65	7	4	2
VNON 4.2W	2	9	14	59	.4	12	4	137	2.97	4	2	ND	7	17	1	2	2	47	.17	.10	62	30	.37	73	.03	3	1.75	.02	.15	2	3	90	5	6	2
VNON 4.5W	3	8	11	88	.6	13	5	192	3.40	3	2	ND	5	9	1	2	2	42	.10	.09	33	33	.38	51	.02	3	1.95	.01	.11	2	2	50	3	2	2
VNON 4.8W	2	8	10	50	.3	11	4	105	3.20	4	2	ND	6	12	1	2	2	35	.10	.04	35	24	.37	48	.02	3	1.57	.01	.11	2	2	56	4	2	2
VNON 5.1W	2	14	25	82	.7	17	13	729	3.75	5	2	ND	3	80	1	2	2	61	.39	.14	55	36	.37	92	.05	4	1.73	.02	.23	2	2	84	6	4	2
VNON 5.4W	3	17	12	52	.3	20	7	177	3.65	8	2	ND	6	25	1	2	2	40	.18	.05	37	32	.59	62	.03	3	1.87	.01	.20	2	3	62	5	3	2
VNON 5.7W	2	13	25	71	.3	16	7	257	4.25	6	2	ND	5	59	1	2	2	73	.34	.11	52	35	.43	66	.08	4	1.69	.02	.19	2	4	79	4	6	2
VNON 6W	1	12	15	63	.3	17	7	188	4.11	8	2	ND	5	18 ✓	1	2	2	51	.16	.08	29	35	.46	64	.04	4	1.89	.01	.16	2	3	48	4	4 ✓	2
~~STD A-1~~	~~1~~	~~20~~	~~31~~	~~149~~	~~.1~~	~~32~~	~~12~~	[illegible]	~~2.14~~	~~11~~	~~2~~	~~ND~~	~~2~~	~~32~~	~~1~~	~~2~~	~~2~~	~~51~~	~~.61~~	~~.09~~	~~7~~	~~60~~	~~.73~~	~~262~~	~~.08~~	~~4~~	~~1.97~~	~~.02~~	~~.21~~	~~2~~	~~8~~	~~17~~	~~7~~	~~2~~	~~2~~
VN 0.6N 0W	1	20	13	42	.2	18	5	123	3.04	3	2	ND	7	14 ✓	1	2	2	55	.15	.07	35	37	.43	67	.12	2	1.81	.02	.21	2	3	60	7	2	2
VN 0.6N 0.3W	1	17	9	60	.4	24	8	167	3.24	3	2	ND	6	24	1	2	2	48	.33	.05	30	50	.84	90	.12	3	2.64	.02	.25	2	3	48	7	2	2
VN 0.6N 0.6W	1	15	13	42	.3	16	5	123	2.89	4	2	ND	5	14	1	2	2	43	.10	.05	33	40	.68	73	.15	3	2.28	.02	.40	2	3	56	5	3	2
VN 0.6N 0.9W	1	16	12	47	.4	16	5	157	2.73	2	2	ND	6	18	1	2	2	48	.23	.09	37	36	.56	63	.10	2	1.84	.02	.20	2	3	56	6	2	2
VN 0.6N 1.2W	1	12	9	27	.3	9	3	111	1.68	2	2	ND	5	17	1	2	2	35	.21	.04	37	20	.22	60	.07	2	1.13	.02	.12	2	2	60	6	2	2
VN 0.6N 1.5W	1	27	21	91	.4	24	7	284	5.92	8	2	ND	18	24	1	2	2	89	.25	.32	36	64	.90	88	.17	3	2.96	.02	.36	2	6	40	10	4	2
VN 0.6N 1.8W	1	16	18	71	.5	17	6	178	3.77	5	2	ND	6	30	1	2	2	58	.31	.20	29	40	.63	60	.09	4	2.29	.02	.18	2	5	45	6	4	2
VN 0.6N 2.1W	1	20	14	63	.3	23	7	190	3.89	4	2	ND	6	38	1	2	2	60	.33	.10	37	43	.73	83	.11	4	2.19	.02	.25	2	4	60	7	4	2
VN 0.6N 2.7W	1	9	32	60	.4	13	5	182	2.19	7	2	ND	3	95	1	2	2	39	.51	.17	106	24	.53	60	.06	4	1.60	.02	.15	2	2	150	9	8	2
VN 0.6N 3W	1	11	25	59	.5	16	5	182	2.65	3	2	ND	2	55	1	2	2	55	.38	.11	85	34	.54	73	.07	4	1.67	.03	.20	2	2	115	6	6	2
VN 0.6N 3.6W	1	13	16	76	.4	28	7	225	3.50	6	2	ND	8	40	1	2	2	53	.34	.20	82	52	.69	69	.07	4	1.82	.02	.20	2	4	108	9	5	2
VN 0.6N 3.9W	2	18	11	103	.5	42	8	268	3.21	4	2	ND	9	40	1	2	2	49	.34	.15	98	68	.82	92	.06	6	1.98	.02	.18	2	4	122	10	6	2
VN 0.6N 4.2W	1	6	12	38	.5	9	3	98	1.77	4	2	ND	4	17	1	2	2	31	.22	.04	38	21	.34	51	.04	2	1.20	.01	.12	2	2	58	4	2	2
VN 0.6N 4.5W	1	7	11	37	.5	12	3	112	1.80	3	2	ND	3	21	1	2	2	32	.24	.04	40	23	.35	57	.04	3	1.22	.01	.12	2	2	61	4	2	2
VN 0.6N 4.8W	1	10	12	56	.4	17	5	181	2.56	3	2	ND	5	24	1	2	2	38	.27	.06	41	32	.56	62	.05	3	1.67	.02	.15	2	3	64	6	3	2.
VN 0.6N 5.1W	1	9	13	49	.4	13	4	125	2.74	6	2	ND	4	18	1	2	2	39	.17	.06	58	29	.39	50	.04	3	1.45	.02	.18	2	2	85	4	6	2
VN 0.6N 5.4W	3	21	27	109	.8	29	10	466	4.49	5	2	ND	3	49	1	2	2	71	.29	.08	77	51	.58	94	.06	5	2.50	.02	.29	2	3	108	7	9	2
VN 0.6N 5.7W	2	14	34	73	.6	19	7	238	3.85	4	2	2	5	57	1	2	2	67	.34	.11	92	36	.54	90	.09	5	1.89	.02	.26	2	4	135	7	12	2
VN 0.6N 6W	1	16	21	61	.7	19	7	191	3.54	4	2	ND	6	26 ✓	1	2	2	55	.22	.07	50	36	.52	63	.06	4	1.98	.02	.24	2	3	79	5	5 ✓	2

NORTH

VERGIL

G.A. NOEL & ASSOCIATES FILE # 82-0667

VERGIL NORTH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VN 1.2N 0W	1	17	10	45	.3	20	5	130	3.23	5	2	ND	6	23	1	2	2	70	.29	.05	27	42	.63	96	.16	3	2.09	.02	.29	2	3	44	5	2	2
VN 1.2N 0.3W	1	29	7	46	.4	27	6	64	3.64	3	2	ND	10	7	1	2	2	59	.07	.07	48	36	.55	57	.15	4	2.33	.02	.49	2	3	80	6	3	2
VN 1.2N 0.6W	1	13	9	48	.4	21	5	140	2.57	3	2	ND	5	23	1	2	2	41	.29	.04	32	46	.69	87	.10	2	2.31	.02	.33	2	2	53	7	2	2
VN 1.2N 0.9W	1	21	8	66	.3	27	10	297	3.58	2	2	ND	4	26	1	2	2	54	.27	.04	30	54	.92	82	.11	4	2.03	.02	.28	2	3	49	9	3	2
VN 1.2N 1.2W	1	10	10	27	.5	10	3	81	2.66	2	2	ND	5	14	1	2	2	48	.15	.06	28	29	.24	52	.07	3	1.75	.01	.13	2	3	50	5	3	2
VN 1.2N 1.5W	1	16	12	54	.3	18	6	172	3.92	3	2	ND	5	21	1	2	2	72	.26	.14	26	40	.57	66	.10	4	1.95	.02	.19	2	4	41	6	2	2
VN 1.2N 1.8W	1	14	12	48	.3	15	4	140	2.96	3	2	ND	6	22	1	2	2	59	.28	.17	33	32	.45	70	.11	2	1.74	.01	.17	2	3	51	6	2	2
VN 1.2N 2.1W	1	12	10	67	.4	20	6	161	3.02	2	2	ND	5	19	1	2	2	56	.22	.14	26	49	.65	77	.08	4	2.41	.01	.21	2	3	41	5	4	2
VN 1.2N 2.4W	1	16	13	40	.8	14	4	121	2.14	2	2	ND	2	19	1	2	2	41	.20	.05	39	29	.35	67	.05	2	1.66	.02	.14	2	2	60	6	3	2
VN 1.2N 2.7W	1	14	12	53	.3	21	6	172	2.79	6	3	ND	7	30	1	2	2	48	.26	.09	48	38	.64	61	.09	3	1.88	.02	.20	2	3	77	7	4	2
VN 1.2N 3W	1	16	12	54	.4	15	4	133	2.75	3	2	ND	2	32	1	2	2	54	.26	.08	48	32	.41	80	.07	3	1.66	.02	.24	2	2	76	6	5	2
VN 1.2N 3.3W	1	10	9	42	.3	15	5	172	2.63	4	2	ND	4	31	1	2	2	42	.31	.10	39	29	.45	55	.07	3	1.43	.02	.16	2	3	63	6	4	2
VN 1.2N 3.6W	1	26	31	86	.7	33	10	631	3.49	7	2	ND	4	186 ✓	1	2	2	54	.95	.25	85	50	.83	144	.08	5	2.42	.02	.38	2	4	143	31	15	2
VN 1.8N 0W	1	14	9	40	.4	15	5	224	3.36	4	2	ND	3	18	1	2	2	71	.22	.08	23	36	.47	63	.11	4	1.79	.02	.17	2	3	40	4	2	2
VN 1.8N 0.3W	1	9	7	23	.4	9	3	84	1.34	4	2	ND	4	25	1	2	2	30	.28	.03	32	21	.25	299	.09	3	1.21	.02	.17	2	2	53	5	2	2
VN 1.8N 0.6W	1	16	9	41	.4	17	4	126	3.19	5	2	ND	7	14	1	2	2	72	.19	.08	30	37	.50	74	.13	3	1.81	.02	.24	2	3	49	5	2	2
VN 1.5N 0.9W	1	10	9	32	.4	14	4	103	1.81	2	2	ND	3	15	1	2	2	36	.15	.02	32	32	.48	68	.08	2	1.77	.02	.21	2	2	53	5	2	2
VN 1.8N 1.2W	1	9	10	23	.5	9	2	83	1.32	2	2	ND	4	16	1	2	2	26	.16	.02	35	23	.27	66	.06	2	1.38	.02	.19	2	2	57	5	2	2
VN 1.8N 1.5W	1	22	12	69	.6	25	12	598	3.44	5	2	ND	3	43	1	2	2	55	.41	.06	31	44	.74	100	.08	4	2.45	.02	.25	2	3	51	10	4	2
VN 1.8N 1.8W	1	21	13	52	.6	19	5	152	3.68	2	2	ND	5	20	1	2	2	65	.22	.08	25	43	.67	64	.10	3	2.18	.02	.20	2	3	41	6	2	2
VN 1.8N 2.1W	1	8	8	22	.2	7	2	76	1.29	2	2	ND	4	17	1	2	2	35	.21	.02	25	18	.17	45	.08	3	.83	.01	.11	2	2	41	4	2	2
VN 1.8N 2.4W	1	13	10	51	.5	14	5	176	3.39	3	2	ND	5	17	1	2	2	65	.25	.13	26	33	.44	58	.09	4	1.59	.02	.16	2	3	41	5	2	2
VN 1.8N 2.7W	1	14	13	44	.4	13	3	139	2.71	5	3	ND	5	9	1	2	6	41	.12	.10	22	30	.32	53	.04	3	1.92	.02	.17	2	2	33	5	2	2
VN 1.8N 3W	1	8	7	27	.4	8	2	124	1.34	2	2	ND	2	13	1	2	2	27	.15	.03	17	20	.15	48	.04	2	1.11	.02	.12	2	2	27	3	2	2
VN 1.8N 3.3W	1	13	8	41	.3	15	5	129	2.40	2	2	ND	5	16	1	2	2	45	.22	.03	29	31	.60	54	.10	2	1.76	.02	.16	2	3	47	5	2	2
VN 1.8N 3.6W	1	10	6	30	.2	10	3	86	1.58	2	2	ND	4	12	1	2	2	31	.15	.03	33	20	.27	60	.05	2	1.20	.02	.14	2	2	54	5	2	2
VN 1.8N 3.9W	1	11	7	45	.4	13	4	126	2.11	2	2	ND	6	23	1	2	2	42	.24	.05	36	26	.41	68	.09	3	1.42	.02	.25	2	3	55	5	3	2
VN 1.8N 4.2W	1	34	16	88	.8	46	12	500	3.88	3	2	ND	2	116	1	2	2	57	.65	.09	55	62	.93	214	.07	3	3.27	.02	.37	2	3	82	29	12	2
VN 1.8N 4.5W	1	20	17	78	.6	27	8	414	3.38	4	2	ND	2	68	1	2	2	57	.49	.08	38	47	.68	128	.07	4	2.27	.02	.32	2	3	62	9	6	2
STD A-1	1	[illegible]	[illegible]	[illegible]	[illegible]	32	[illegible]	[illegible]	[illegible]	[illegible]	2	ND	2	[illegible]	1	2	2	[illegible]	[illegible]	.10	7	71	.74	267	[illegible]	4	[illegible]	[illegible]	.21	2	[illegible]	[illegible]	[illegible]	2	2

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VN 1.8N 4.8W	1	51	23	80	1.0	72	9	989	3.20	2	8	2	2	232	2	2	2	44	1.61	.10	111	57	.73	247	.05	3	2.31	.01	.29	2	4	137	92	21	2
VN 1.8N 5.1W	1	20	27	86	.6	27	8	339	2.97	6	3	ND	2	68	1	2	2	48	.50	.07	41	44	.67	121	.07	2	1.89	.02	.24	2	3	60	14	6	2
VN 1.8N 5.4W	1	48	68	176	2.9	51	13	1616	4.83	9	7	2	2	114	5	2	2	70	.75	.11	58	65	.84	209	.07	2	3.07	.02	.36	2	3	83	31	12	2
VN 1.8N 5.7W	1	12	77	123	1.7	18	7	805	2.99	4	3	ND	2	94	3	2	2	54	.56	.13	66	31	.59	110	.05	2	1.82	.02	.19	2	2	98	13	8	2
VN 1.8N 6W	1	10	41	85	.5	16	6	255	3.21	4	2	ND	3	101	1	2	2	52	.49	.11	53	30	.50	91	.05	2	1.67	.02	.16	2	3	83	8	7	2
VN 2.4N 0W	1	26	12	58	.2	34	9	219	3.52	2	2	ND	6	23	1	2	2	47	.28	.08	26	59	.97	114	.12	2	2.54	.02	.53	2	4	42	10	2	2
VN 2.4N 0.3W	1	15	11	48	.3	24	7	160	3.04	4	2	ND	5	17	1	2	2	44	.26	.08	20	48	.82	71	.11	2	2.12	.02	.37	2	3	31	6	2	2
VN 2.4N 0.6W	1	20	9	54	.2	29	10	207	3.20	2	2	ND	6	19	1	2	2	43	.28	.07	22	50	.90	92	.11	2	2.29	.02	.39	2	4	35	7	2	2
VN 2.4N 0.9W	1	13	10	48	.2	17	5	197	3.04	2	2	ND	5	14	1	2	2	59	.17	.06	23	38	.61	70	.12	2	1.72	.02	.20	2	3	37	4	2	2
VN 2.4N 1.2W	1	11	10	21	.4	9	3	74	2.51	2	2	ND	3	13	1	2	2	55	.14	.08	25	29	.18	64	.05	2	1.32	.02	.09	2	2	42	4	2	2
VN 2.4N 1.5W	1	18	13	47	.3	20	6	143	3.04	3	2	ND	7	18	1	2	2	59	.26	.03	28	42	.66	73	.12	2	1.91	.02	.22	2	3	48	5	2	2
VN 2.4N 1.8W	1	16	11	39	.5	13	4	167	2.46	2	2	ND	4	15	1	2	2	53	.16	.05	31	24	.25	59	.07	2	1.33	.02	.14	2	2	51	5	2	2
VN 2.4N 2.1W	1	17	10	55	.4	22	7	189	2.81	2	2	ND	5	30	1	2	2	47	.35	.05	28	42	.77	94	.09	2	2.10	.02	.19	2	3	46	7	3	2
VN 2.4N 2.4W	1	13	7	17	.2	7	2	53	1.01	2	2	ND	2	13	1	2	2	20	.13	.03	28	18	.11	72	.02	2	.83	.02	.13	2	2	49	4	2	2
VN 2.4N 2.7W	1	17	13	39	.6	16	4	119	2.64	2	2	ND	6	17	1	2	2	50	.15	.05	26	34	.53	67	.11	2	1.69	.03	.23	2	3	43	5	2	2
VN 2.4N 3W	1	11	5	16	.3	6	2	65	1.14	2	2	ND	2	16	1	2	2	30	.12	.02	26	17	.09	51	.03	2	.90	.02	.10	2	2	46	4	2	2
VN 2.4N 3.3W	1	19	11	64	.4	21	7	173	3.65	2	2	ND	5	11	1	2	2	54	.17	.13	19	46	.62	63	.07	2	2.34	.02	.18	2	4	32	5	3	2
VN 2.4N 3.6W	1	48	8	35	.9	34	8	1430	1.85	4	38	ND	2	174	1	2	2	26	3.35	.13	48	34	.44	69	.02	4	1.77	.01	.15	2	2	53	55	8	2
VN 2.4N 3.9W	1	10	10	31	.2	10	3	119	1.59	2	2	ND	4	21	1	2	2	33	.31	.03	26	21	.35	60	.08	2	1.19	.02	.17	2	2	43	4	2	2
VN 2.4N 4.2W	1	40	11	45	.5	34	10	275	2.74	4	10	ND	2	101	1	2	2	32	1.64	.07	52	38	.68	96	.05	2	2.13	.01	.29	2	3	83	30	6	2
VN 2.4N 4.5W	1	26	5	20	.4	18	6	443	1.33	3	7	ND	2	151	1	2	2	14	1.80	.09	24	19	.34	111	.02	2	.99	.01	.11	2	2	32	23	2	2
VN 2.4N 4.8W	1	17	13	44	.3	23	7	254	2.45	2	3	ND	3	77	1	2	2	39	.75	.04	26	37	.64	87	.06	2	1.88	.01	.16	2	3	39	9	3	2
VN 2.4N 5.1W	1	27	22	76	.5	34	10	566	3.07	6	2	ND	2	72	1	2	2	46	.62	.05	31	45	.66	154	.06	2	2.28	.02	.25	2	3	42	17	5	2
VN 2.4N 5.4W	1	16	31	137	.6	20	9	633	5.10	10	2	ND	4	178	2	2	2	88	.92	.29	78	36	.93	163	.14	2	2.43	.02	.40	2	4	128	14	9	2
VN 2.4N 5.7W	1	12	32	152	.3	12	10	904	5.22	7	2	2	8	179	3	2	2	96	.77	.36	87	30	.64	182	.13	2	1.81	.03	.39	2	4	146	13	15	2
VN 2.4N 6W	1	6	163	160	.7	8	6	959	4.01	7	2	ND	3	226	2	2	4	65	.79	.34	130	17	.57	149	.12	3	1.54	.02	.30	2	4	191	11	13	2
VN 3N 0W	1	8	9	32	.2	12	4	134	1.64	2	2	ND	4	28	1	2	2	29	.33	.03	29	26	.39	61	.09	2	1.23	.02	.19	2	2	49	5	4	2
VN 3N 0.3W	1	12	10	54	.1	22	8	143	3.31	5	2	ND	4	14	1	2	2	46	.19	.07	19	47	.67	85	.12	2	2.44	.02	.30	2	4	29	4	3	2
VN 3N 0.6W	1	10	10	38	.2	13	4	112	2.59	2	2	ND	4	15	1	2	2	46	.19	.06	20	29	.34	54	.10	2	1.44	.02	.17	2	3	32	4	2	2
VN 3N 0.9W	1	11	8	38	.2	20	6	133	2.39	2	2	ND	4	17	1	2	2	40	.26	.06	18	34	.59	66	.10	2	1.76	.02	.23	2	3	29	5	2	2
VN 3N 1.2W	1	9	7	34	.2	14	4	117	2.05	3	2	ND	6	14	1	2	2	36	.25	.06	27	26	.33	42	.09	2	1.18	.02	.14	2	3	43	5	2	2
VN 3N 1.5W	1	12	6	31	.2	16	5	146	2.22	3	2	ND	6	15	1	2	2	35	.31	.11	24	30	.42	49	.09	2	1.26	.02	.16	2	4	39	7	2	2
VN 3N 1.8W	1	16	9	48	.2	22	8	228	2.75	4	2	ND	4	15	1	2	2	40	.26	.08	24	41	.62	63	.11	2	1.70	.02	.29	2	3	40	6	3	2
VN 3N 2.1W	1	18	10	51	.3	27	10	293	2.93	3	2	ND	4	27	1	2	2	41	.35	.08	22	45	.86	80	.11	2	1.96	.02	.42	2	3	38	9	2	2
VN 3N 2.4W	1	19	7	53	.1	26	9	234	3.07	2	2	ND	5	19	1	2	2	39	.27	.09	24	43	.73	58	.08	2	1.90	.02	.27	2	3	43	7	3	2
VN 3N 2.7W	1	5	7	17	.1	7	2	83	1.29	2	2	ND	2	9	1	2	2	25	.13	.05	27	17	.20	35	.03	2	.92	.01	.09	2	2	46	3	2	2
~~RE VN 2.4N 0.9W~~	~~1~~	~~12~~	~~9~~	~~46~~	~~.7~~	~~16~~	~~6~~	~~185~~	~~2.05~~	~~2~~	~~3~~	~~ND~~	~~5~~	~~17~~	~~1~~	~~2~~	~~2~~	~~55~~	~~.16~~	~~.06~~	~~21~~	~~35~~	~~.57~~	~~64~~	~~.11~~	~~2~~	~~1.59~~	~~.02~~	~~.18~~	~~2~~	~~3~~	~~36~~	~~4~~	~~2~~	~~2~~
~~STD A-1~~	~~1~~	~~27~~	~~31~~	~~166~~	~~.4~~	~~31~~	~~11~~	~~871~~	~~2.56~~	~~10~~	~~2~~	~~ND~~	~~2~~	~~30~~	~~1~~	~~2~~	~~2~~	~~40~~	~~.59~~	~~.09~~	~~7~~	~~67~~	~~.71~~	~~219~~	~~.08~~	~~5~~	~~1.91~~	~~.02~~	~~.20~~	~~2~~	~~3~~	~~43~~	~~7~~	~~2~~	~~2~~

VERGIL NORTH

NORTH VERGIL

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VN 3N 3W	1	15	10	18	.2	8	2	61	1.42	2	4	ND	2	17	1	2	2	38	.13	.03	32	22	.13	73	.07	2	.99	.02	.13	2	2	52	5	3	2
VN 3N 3.3W	1	13	10	43	.3	18	5	133	2.32	2	3	ND	5	18	1	2	2	38	.23	.06	27	34	.64	55	.09	2	1.74	.02	.16	2	3	43	6	4	2
VN 3N 3.6W	1	13	11	62	.4	17	6	149	5.79	6	3	ND	5	14	1	2	2	83	.17	.11	16	56	.59	71	.13	4	2.57	.01	.19	2	5	25	4	2	2
VN 3N 3.9W	1	10	10	50	.3	15	5	125	2.77	2	2	ND	4	12	1	2	2	49	.21	.09	19	41	.48	58	.07	2	1.97	.01	.11	2	3	31	3	2	2
VN 3N 4.2W	1	8	9	33	.2	12	4	107	1.65	2	2	ND	3	26	1	2	2	34	.36	.03	23	31	.38	75	.07	2	1.35	.02	.12	2	2	38	4	2	2
VN 3N 4.5W	1	10	8	53	.2	18	6	219	2.30	6	2	ND	3	14	1	2	2	43	.24	.03	23	37	.57	69	.08	2	1.61	.02	.11	2	2	36	4	3	2
VN 3N 4.8W	1	14	11	49	.2	19	7	325	2.29	2	2	ND	3	28	1	2	2	39	.44	.03	19	36	.57	78	.06	2	1.59	.02	.14	2	2	30	5	3	2
VN 3N 5.1W	1	12	14	53	.4	22	12	1066	2.78	6	3	ND	2	31	1	2	2	46	.55	.03	14	39	.61	98	.08	2	1.63	.02	.15	2	3	25	6	4	2
VN 3N 5.7W	1	17	3	7	.6	18	2	509	.62	2	17	ND	2	245	1	2	2	5	3.76	.10	19	7	.18	81	.01	6	.70	.02	.05	2	2	28	21	2	2
VN 3N 6W	1	21	6	15	.7	22	3	559	1.03	3	24	ND	2	264	1	2	2	10	4.11	.12	26	17	.28	113	.01	6	1.10	.01	.07	2	2	33	26	2	2
VN 3.6N 0W	1	21	11	62	.2	29	11	134	4.50	6	3	ND	5	12	1	2	2	52	.17	.11	17	59	.93	94	.15	3	3.35	.02	.53	2	4	25	5	2	2
VN 3.6N 0.3W	1	7	9	24	.2	11	3	84	1.60	2	2	ND	4	14	1	2	2	37	.18	.03	22	25	.34	56	.12	2	1.36	.02	.21	2	2	36	4	2	2
VN 3.6N 0.6W	1	8	10	33	.2	15	4	115	1.93	3	3	ND	4	18	1	2	2	39	.25	.04	22	32	.50	73	.12	2	1.62	.02	.20	2	3	34	4	2	2
VN 3.6N 0.9W	1	12	9	43	.3	17	6	120	2.86	4	3	ND	4	14	1	2	2	44	.18	.04	18	38	.55	53	.11	2	1.75	.01	.25	2	3	28	3	2	2
VN 3.6N 1.2W	1	9	6	31	.2	12	4	122	2.06	3	2	ND	5	17	1	2	2	39	.21	.05	24	29	.34	69	.10	2	1.25	.02	.20	2	3	38	4	2	2
VN 3.6N 1.5W	1	10	9	66	.2	16	7	157	3.78	3	2	ND	3	15	1	2	2	56	.22	.07	14	38	.54	65	.10	3	2.04	.01	.15	2	4	21	3	2	2
VN 3.6N 1.8W	1	12	10	49	.2	19	6	132	3.32	2	2	ND	4	12	1	2	2	53	.19	.06	18	41	.55	57	.11	3	1.85	.01	.22	2	3	27	3	2	2
VN 3.6N 2.1W	1	4	7	26	.3	7	2	81	1.54	2	2	ND	4	10	1	2	2	30	.16	.05	21	20	.18	40	.07	2	.96	.01	.11	2	2	34	3	2	2
VN 3.6N 2.4W	1	18	9	45	.2	25	7	174	3.47	2	2	ND	5	18	1	2	2	57	.34	.09	20	44	.63	68	.12	4	1.91	.02	.21	2	4	33	5	2	2
VN 3.6N 2.7W	1	13	6	37	.1	19	6	176	2.08	4	3	ND	4	16	1	2	2	30	.33	.05	17	35	.56	58	.10	2	1.41	.02	.24	2	3	27	6	2	2
VN 3.6N 3W	1	12	6	41	.3	18	5	138	2.89	2	2	ND	4	13	1	2	2	51	.20	.06	20	37	.56	49	.09	3	1.71	.01	.18	2	3	34	5	3	2
VN 3.6N 3.3W	1	15	8	44	.3	20	8	187	2.55	4	2	ND	4	24	1	2	2	38	.43	.06	22	37	.59	55	.09	3	1.58	.02	.21	2	3	43	7	3	2
VN 3.6N 3.6W	1	24	11	64	.7	35	8	160	2.49	2	2	ND	2	24	1	2	2	28	.22	.05	32	35	.52	52	.03	2	1.71	.01	.17	2	2	49	20	4	2
VN 3.6N 3.9W	1	26	9	75	.3	42	13	150	3.71	2	3	ND	5	11	1	2	2	41	.14	.05	20	43	.68	66	.07	3	2.13	.01	.20	2	3	33	5	3	2
VN 3.6N 4.2W	1	15	7	46	.3	18	6	130	3.05	3	2	ND	5	8	1	2	2	47	.12	.06	18	38	.52	47	.08	2	1.75	.01	.15	2	3	31	4	2	2
VN 3.6N 4.5W	1	9	8	42	.3	12	4	106	2.84	2	3	ND	5	10	1	2	2	54	.17	.06	18	33	.44	51	.08	3	1.76	.01	.12	2	4	29	3	3	2
VN 3.6N 4.8W	1	4	7	10	.2	4	1	43	.57	2	2	ND	2	11	1	2	2	13	.11	.02	22	11	.08	44	.04	2	.57	.01	.06	2	2	37	3	2	2
VN 3.6N 5.1W	1	9	9	41	.5	14	5	103	2.57	2	2	ND	4	9	1	2	2	43	.15	.05	16	34	.45	51	.08	2	1.70	.01	.12	2	3	26	3	2	2
VN 3.6N 5.4W	1	11	9	55	.4	18	6	151	3.37	5	2	ND	7	14	1	2	2	56	.22	.14	25	38	.48	56	.09	2	1.75	.02	.13	2	4	40	4	2	2
VN 3.6N 5.7W	1	9	9	62	.4	14	5	113	3.14	2	2	ND	4	12	1	2	2	53	.18	.19	17	34	.39	58	.07	3	1.79	.01	.12	2	4	26	3	2	2
VN 3.6N 6W	1	4	6	31	.2	7	3	107	1.48	2	2	ND	7	15	1	2	2	34	.22	.06	30	19	.21	36	.07	2	.79	.02	.10	2	3	49	3	3	2
~~RE VN 3.6N 0.9W~~	~~1~~	~~12~~	~~8~~	~~43~~	~~.2~~	~~18~~	~~6~~	~~119~~	~~2.88~~	~~2~~	~~3~~	~~ND~~	~~4~~	~~14~~	~~1~~	~~2~~	~~2~~	~~44~~	~~.18~~	~~.04~~	~~19~~	~~38~~	~~.54~~	~~52~~	~~.11~~	~~3~~	~~1.73~~	~~.01~~	~~.25~~	~~2~~	~~3~~	~~29~~	~~3~~	~~2~~	~~2~~
VN 4.2N 0W	1	16	11	57	.3	22	7	138	4.29	5	2	ND	4	9	1	2	2	60	.14	.14	13	55	.74	71	.13	3	2.74	.01	.29	2	5	20	4	2	2
VN 4.2N 0.3W	1	15	10	61	.2	22	8	126	4.67	4	2	ND	4	10	1	2	2	58	.13	.23	13	53	.74	91	.14	3	2.63	.01	.35	2	4	18	3	2	2
VN 4.2N 0.6W	1	11	9	45	.2	17	5	97	3.11	3	2	ND	4	11	1	2	2	49	.17	.09	18	35	.53	53	.12	2	1.82	.01	.24	2	3	29	4	2	2
VN 4.2N 0.9W	1	9	7	38	.2	15	4	104	2.12	2	2	ND	3	13	1	2	2	35	.18	.06	14	29	.45	65	.12	2	1.40	.01	.23	2	3	22	3	2	2
VN 4.2N 1.2W	1	9	12	41	.2	13	4	88	3.54	4	5	ND	4	9	1	2	2	56	.13	.11	16	42	.40	64	.09	2	2.09	.01	.17	2	4	24	3	2	2
~~STD A-1~~	~~1~~	~~28~~	~~37~~	~~166~~	~~1.1~~	~~31~~	~~11~~	~~876~~	~~2.58~~	~~8~~	~~2~~	~~ND~~	~~2~~	~~31~~	~~1~~	~~2~~	~~2~~	~~49~~	~~.59~~	~~.49~~	~~7~~	~~67~~	~~.72~~	~~254~~	~~.08~~	~~5~~	~~1.86~~	~~.02~~	~~.21~~	~~2~~	~~8~~	~~12~~	~~7~~	~~2~~	~~2~~

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VN 4.2N 1.5W	1	25	11	70	.3	43	13	167	4.56	4	3	ND	4	10	1	2	2	54	.16	.08	16	72	1.17	102	.17	2	3.42	.02	.66	2	4	22	5	3	2
VN 4.2N 1.8W	1	18	10	63	.3	26	9	167	4.03	4	2	ND	5	13	1	2	2	55	.17	.11	22	54	.76	85	.12	3	2.59	.02	.28	2	4	33	5	2	2
VN 4.2N 2.1W	1	21	11	68	.3	29	9	191	4.43	5	3	ND	5	12	1	2	2	62	.20	.09	20	58	.85	76	.13	2	2.65	.02	.32	2	4	29	5	4	2
VN 4.2N 2.4W	1	12	9	41	.4	18	7	126	2.67	2	2	ND	4	17	1	2	2	44	.24	.06	20	36	.49	58	.09	2	1.89	.01	.18	2	3	33	5	3	2
VN 4.2N 2.7W	1	18	12	61	.3	34	15	193	3.51	2	2	ND	5	18	1	2	2	46	.28	.06	21	49	.76	76	.11	3	2.56	.02	.26	2	4	34	6	4	2
VN 4.2N 3W	1	14	11	49	.2	24	10	166	3.45	4	2	ND	5	22	1	2	2	55	.29	.06	20	39	.49	58	.09	3	2.13	.02	.16	2	4	33	4	3	2
VN 4.2N 3.3W	1	20	13	54	.2	28	9	193	3.91	6	2	ND	5	17	1	2	2	53	.30	.11	21	52	.78	71	.10	2	2.38	.02	.23	2	4	34	5	4	2
VN 4.2N 3.6W	1	14	8	37	.2	19	7	211	2.29	3	2	ND	3	12	1	2	2	30	.25	.07	15	36	.54	56	.09	2	1.43	.02	.27	2	3	24	6	2	2
VN 4.2N 3.9W	1	43	10	72	.9	68	12	294	3.18	2	11	ND	2	86	1	2	2	32	1.84	.09	67	49	.78	92	.08	2	2.55	.02	.39	2	4	51	64	9	2
VN 4.2N 4.2W	1	15	10	37	.3	16	5	137	3.73	4	2	ND	4	10	1	2	2	67	.15	.06	19	37	.41	58	.14	2	1.48	.01	.16	2	4	29	4	2	2
VN 4.2N 4.5W	1	10	14	45	.5	14	5	129	3.84	3	2	ND	4	12	1	2	2	87	.16	.06	19	42	.49	47	.11	2	1.85	.01	.14	2	4	29	4	2	2
VN 4.2N 4.8W	1	30	17	85	.4	31	10	198	5.59	3	3	ND	9	12	1	2	2	62	.14	.08	35	55	.86	109	.04	2	2.92	.02	.28	2	4	59	7	5	2
VN 4.2N 5.1W	1	3	4	9	.2	3	1	40	.61	2	2	ND	5	7	1	2	2	13	.08	.02	46	10	.07	42	.02	2	.66	.02	.09	2	2	78	4	4	2
VN 4.2N 5.4W	1	9	11	39	.3	14	5	115	1.98	2	2	ND	4	11	1	2	2	39	.17	.02	22	33	.54	65	.10	2	1.70	.01	.17	2	3	34	4	3	2
VN 4.2N 5.7W	1	10	10	44	.4	14	5	119	3.15	3	2	ND	4	11	1	2	2	65	.15	.10	18	42	.51	69	.11	2	1.87	.01	.20	2	4	28	4	2	2
VN 4.2N 6W	1	15	10	51	.4	19	6	153	2.96	3	2	ND	7	14	1	2	2	52	.18	.07	27	43	.70	70	.10	2	1.97	.02	.22	2	4	43	4	5	2
~~STD A-1~~	~~1~~	~~28~~	~~35~~	~~172~~	~~.4~~	~~32~~	~~12~~	~~700~~	~~2.66~~	~~8~~	~~2~~	~~ND~~	~~2~~	~~31~~	~~1~~	~~2~~	~~2~~	~~51~~	~~.62~~	~~.07~~	~~8~~	~~70~~	~~.73~~	~~261~~	~~.08~~	~~5~~	~~1.77~~	~~.02~~	~~.22~~	~~2~~	~~8~~	~~15~~	~~7~~	~~2~~	~~2~~
VN 4.8N 0W	1	19	11	54	.3	27	8	175	3.53	4	2	ND	4	11	1	2	2	44	.20	.07	17	57	.85	93	.14	2	2.45	.02	.51	2	4	26	5	3	2
VN 4.8N 0.6W	1	19	13	60	.2	30	10	202	4.16	4	2	ND	6	12	1	2	2	50	.20	.06	20	60	.84	98	.13	2	3.02	.02	.37	2	5	34	5	4	2
VN 4.8N 0.6AW	1	6	10	14	.2	7	2	55	1.03	2	2	ND	4	11	1	2	2	23	.12	.02	29	19	.19	55	.08	2	1.11	.02	.16	2	2	50	4	2	2
VN 4.8N 0.9W	1	24	13	74	.2	42	14	166	3.88	3	2	ND	6	16	1	2	2	44	.20	.06	21	61	.97	123	.13	2	3.44	.02	.47	2	4	33	6	2	2
VN 4.8N 1.2W	1	7	7	15	.3	8	2	68	1.14	2	2	ND	4	12	1	2	2	20	.16	.02	29	19	.18	56	.07	2	1.09	.02	.15	2	2	49	4	3	2
VN 4.8N 1.5W	1	7	10	24	.3	12	3	91	1.50	2	2	ND	6	13	1	2	2	31	.18	.03	29	25	.35	55	.10	2	1.36	.02	.19	2	3	49	5	2	2
VN 4.8N 1.8W	1	16	10	75	.3	27	10	172	3.64	2	2	ND	4	13	1	2	2	50	.20	.05	18	57	.89	100	.14	2	2.76	.02	.41	2	4	28	4	2	2
VN 4.8N 2.1W	1	8	6	17	.2	9	2	75	1.28	2	2	ND	7	13	1	2	2	22	.18	.02	38	20	.18	50	.08	2	.95	.02	.17	2	2	64	5	4	2
VN 4.8N 2.4W	1	15	10	48	.2	24	7	124	3.64	5	3	ND	5	11	1	2	2	60	.13	.08	20	53	.78	91	.17	2	2.28	.02	.45	2	3	28	3	2	2
VN 4.8N 2.7W	1	15	11	47	.2	23	7	155	4.14	4	3	ND	5	12	1	2	2	59	.20	.14	19	49	.64	66	.13	2	2.30	.02	.25	2	4	29	4	3	2
VN 4.8N 3W	1	7	10	23	.3	9	3	78	1.81	2	2	ND	4	10	1	2	2	40	.14	.03	21	25	.30	53	.09	2	1.41	.02	.14	2	3	33	3	2	2
VN 4.8N 3.3W	1	11	15	39	.3	14	5	126	3.55	5	2	ND	5	11	1	2	2	62	.17	.10	21	37	.42	48	.10	2	1.79	.02	.16	2	4	31	3	2	2
VN 4.8N 3.6W	1	7	8	23	.1	9	3	75	1.89	2	2	ND	5	8	1	2	2	36	.11	.04	25	21	.21	34	.07	2	1.06	.02	.12	2	2	39	4	2	2
VN 4.8N 3.9W	1	17	9	51	.1	23	9	196	3.01	2	2	ND	5	12	1	2	2	48	.18	.03	19	50	.80	85	.14	2	2.47	.02	.28	2	4	28	4	2	2
VN 4.8N 4.2W	1	9	11	30	.2	13	4	102	2.22	3	2	ND	5	12	1	2	2	40	.15	.03	25	30	.38	51	.09	2	1.51	.02	.17	2	3	40	4	2	2
VN 4.8N 4.5W	1	15	7	40	.2	21	5	151	2.22	4	2	ND	5	18	1	2	2	39	.29	.04	24	41	.56	68	.12	2	1.73	.03	.35	2	3	38	5	3	2
VN 4.8N 4.8W	1	15	11	41	.3	20	6	155	4.06	5	2	ND	5	12	1	2	2	70	.17	.08	21	46	.59	64	.13	3	1.93	.02	.23	2	4	32	4	3	2
VN 4.8N 5.1W	1	22	12	55	.2	26	9	241	3.32	3	3	ND	6	19	1	2	2	48	.23	.06	25	47	.79	74	.13	2	2.23	.02	.32	2	5	40	6	3	2
VN 4.8N 5.4W	1	17	11	62	.3	27	12	228	3.55	3	2	ND	7	21	1	2	2	38	.28	.10	33	45	.78	55	.08	4	2.32	.02	.21	2	4	53	9	6	2
VN 4.8N 5.7W	1	7	7	17	.2	6	2	70	1.21	2	2	ND	6	8	1	2	2	25	.08	.02	40	16	.13	49	.03	2	.90	.02	.13	2	2	69	5	4	2
VN 4.8N 6W	1	16	11	33	.4	12	4	103	2.48	2	2	ND	7	9	1	2	2	47	.08	.04	36	23	.32	57	.05	2	1.52	.02	.22	2	2	62	5	4	2

NORTH

VERGIL

G.A. NOEL & ASSOCIATES FILE # 82-0667

VERGIL SILT →

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
VN 2.4N 0W SILT	1	13	6	41	.2	20	7	267	1.96	2	2	ND	3	15	1	2	2	26
VN 3N 1.8W SILT	1	15	5	51	.2	23	8	264	2.10	2	3	ND	2	20	1	2	2	28
VN 3.1N 2.1W SILT	1	10	6	33	.1	16	6	199	1.64	2	2	ND	3	12	1	2	2	22
VN 3.6N 2.8W SILT	1	15	7	51	.2	24	7	229	2.08	3	5	ND	4	23	1	2	2	28
VN 4.2N 3.7W SILT	1	13	7	43	.2	23	7	251	2.06	2	4	ND	3	15	1	2	2	27
VN 4.8N 4.5W SILT	1	17	6	31	.2	20	6	260	1.76	2	4	ND	4	20	1	2	2	21
VN 4.8N 4.8W SILT	1	13	5	40	.1	20	6	239	1.85	2	4	ND	4	19	1	2	2	24
~~STD A-1~~	~~1~~	~~[illegible]~~	~~75~~	~~115~~	~~[illegible]~~	~~31~~	~~11~~	~~[illegible]~~	~~[illegible]~~	~~8~~	~~[illegible]~~	~~ND~~	~~[illegible]~~	~~[illegible]~~	~~1~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~

SAMPLE #	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VN 2.4N 0W SILT	.28	.04	12	29	.55	61	.09	2	1.34	.01	.25	2	3	17	5	2	2
VN 3N 1.8W SILT	.36	.06	16	35	.60	76	.09	2	1.62	.01	.30	2	2	23	9	2	2
VN 3.1N 2.1W SILT	.24	.03	12	24	.44	47	.07	2	1.10	.01	.20	2	2	16	5	2	2
VN 3.6N 2.8W SILT	.41	.08	29	35	.58	78	.08	2	1.68	.02	.28	2	3	43	11	2	2
VN 4.2N 3.7W SILT	.28	.04	15	34	.57	66	.09	2	1.44	.02	.28	2	2	25	6	2	2
VN 4.8N 4.5W SILT	.48	.10	23	25	.43	46	.06	3	1.12	.02	.22	2	3	35	13	2	2
VN 4.8N 4.8W SILT	.36	.06	23	29	.49	56	.07	2	1.31	.02	.22	2	2	36	9	2	2
~~STD A-1~~	~~[illegible]~~	~~[illegible]~~	~~8~~	~~65~~	~~.70~~	~~[illegible]~~	~~[illegible]~~	~~5~~	~~1.95~~	~~.02~~	~~.21~~	~~2~~	~~7~~	~~13~~	~~7~~	~~2~~	~~2~~

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
P OW ON	1	10	12	56	.2	17	6	167	3.70	5	2	ND	5	21	1	2	2	43	.16	.04	33	44	.52	91	.04	3	1.74	.01	.11	2	3	46	3	4	2
P OW 0.3N	1	17	13	52	.2	26	9	196	3.59	2	2	ND	5	39	1	2	2	40	.44	.03	22	46	.70	123	.05	3	2.02	.01	.13	2	3	36	5	2	2
P OW 0.6N	1	31	8	37	.5	17	5	332	1.36	2	13	ND	2	311	1	2	2	17	3.55	.06	13	17	.22	128	.02	3	.86	.01	.06	2	2	13	8	2	2
P OW 0.9N	2	42	14	62	.5	32	12	821	3.04	5	12	ND	2	138	1	2	2	39	1.54	.07	27	43	.68	124	.05	3	1.96	.01	.15	2	3	28	20	6	2
P OW 1.2N	3	14	1	10	.3	7	1	186	.19	2	7	ND	2	369	1	2	2	3	5.00	.07	5	2	.10	72	.01	6	.19	.01	.03	2	2	2	4	2	2
P OW 1.5N	1	29	2	5	.6	17	1	390	.18	2	10	ND	2	327	1	2	2	3	5.05	.08	51	3	.10	89	.01	5	.32	.01	.02	2	2	2	26	2	2
P OW 1.8N	1	20	7	81	.1	23	13	271	2.98	4	2	ND	3	52	1	2	2	51	.84	.03	15	32	.81	66	.15	4	1.93	.01	.10	2	7	21	5	2	2
P OW 2.1N	2	14	10	55	.2	19	7	156	3.09	3	2	ND	4	25	1	2	2	53	.11	.03	27	44	.62	54	.16	2	1.57	.01	.33	2	3	34	3	4	2
P OW 2.4N	2	12	11	47	.3	17	6	230	3.62	6	2	ND	5	23	1	2	2	56	.19	.09	41	39	.57	54	.14	4	1.49	.01	.15	2	4	53	4	4	2
P OW 2.7N	2	12	11	33	.2	32	8	4469	2.17	3	2	ND	12	69	1	2	2	22	.58	.12	93	30	.43	120	.06	2	1.00	.01	.13	2	3	115	17	9	2
P OW 3N	2	9	14	34	.2	13	5	263	2.73	2	3	ND	5	16	1	2	2	44	.14	.03	49	29	.34	68	.13	2	1.02	.01	.13	2	3	63	3	6	2
P OW 3.3N	3	7	13	55	.2	12	5	222	3.32	6	2	ND	5	17	1	2	2	61	.15	.12	37	40	.39	71	.14	2	1.41	.01	.12	2	4	47	3	3	2
P OW 3.6N	2	9	11	46	.1	12	5	384	2.63	2	2	ND	4	16	1	2	2	46	.14	.09	43	31	.42	52	.11	2	1.18	.01	.12	2	3	57	3	4	2
~~0.6W, 0.6N~~	~~1~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	~~1~~	~~2~~	~~2~~	~~59~~	~~.01~~	[illegible]	[illegible]	[illegible]	[illegible]	~~253~~	[illegible]	~~5~~	~~1.77~~	[illegible]	[illegible]	~~2~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P 0.3W 0.6N	1	23	15	58	.2	19	9	170	3.34	2	2	ND	4	62	1	2	2	58	.64	.03	18	47	.64	99	.09	3	2.17	.02	.10	2	3	29	6	4	2
P 0.6W ON	1	15	7	39	.3	14	6	182	2.09	2	5	ND	2	101	1	2	2	36	1.90	.04	11	25	.45	104	.05	3	1.30	.01	.07	2	2	16	2	3	2
P 0.6W 0.3N	1	10	10	38	.2	15	5	134	2.87	4	2	ND	6	19	1	2	2	55	.25	.01	23	37	.42	122	.06	2	1.52	.01	.10	2	3	37	2	3	2
P 0.6W 0.9N	1	46	5	9	.4	21	2	376	.58	2	47	ND	2	377	1	2	2	6	6.68	.08	32	10	.16	151	.01	5	.62	.01	.03	2	2	7	29	2	2
P 0.6W 1.2N	1	25	3	9	.2	11	1	212	.16	2	8	ND	2	322	1	2	2	6	5.90	.07	8	2	.12	106	.01	7	.28	.01	.03	2	2	2	6	2	2
P 0.6W 1.5N	1	42	10	42	.2	19	11	288	4.03	8	2	ND	2	71	1	2	2	116	1.39	.03	9	32	.89	82	.27	11	2.75	.02	.06	2	18	9	6	2	2
P 0.6W 1.8N	1	24	12	55	.1	22	9	251	4.67	9	2	ND	4	18	1	2	2	78	.37	.11	14	50	.75	73	.17	4	2.06	.01	.09	2	9	17	4	2	2
P 0.6W 2.1N	1	18	8	48	.3	19	8	186	3.87	8	2	ND	4	22	1	2	2	81	.39	.04	14	38	.70	69	.18	5	2.44	.02	.20	2	8	18	5	2	2
P 0.6W 2.4N	2	22	12	47	.2	26	9	174	3.63	2	2	ND	5	28	1	2	2	49	.16	.04	32	48	.69	60	.13	4	1.77	.02	.22	2	4	44	5	3	2
P 0.6W 3.3N	1	8	6	30	.1	19	8	1244	2.21	2	2	ND	4	33	1	2	2	23	.34	.06	35	20	.48	68	.06	3	.99	.01	.12	2	3	41	9	2	2
P 0.6W 3.6N	5	11	11	41	.2	14	5	221	3.35	4	2	ND	4	25	1	2	2	64	.17	.05	56	60	.45	70	.16	3	1.32	.02	.17	2	4	69	3	7	2
P 1.2W ON	1	18	2	4	.3	8	1	157	.23	2	10	ND	2	292	1	2	2	5	7.09	.06	3	4	.13	74	.01	6	.19	.01	.01	2	2	4	4	2	2
P 1.2W 0.3N	1	15	3	4	.9	5	1	15	.36	2	10	ND	2	210	1	2	2	5	4.22	.04	3	6	.08	62	.01	2	.35	.01	.02	2	2	3	2	2	2
P 1.2W 0.6N	1	8	1	29	.1	2	1	14	.15	2	16	ND	2	227	1	2	2	3	3.49	.04	2	1	.07	54	.01	3	.11	.01	.03	2	2	2	2	2	2
P 1.2W 0.9N	5	11	1	5	.2	3	1	157	.09	2	144	ND	2	448	1	2	2	7	5.74	.06	2	1	.13	81	.01	7	.04	.01	.03	2	2	3	2	2	2
P 1.2W 1.2N	4	15	1	9	.2	4	1	363	.35	2	48	ND	2	459	1	2	2	5	5.59	.07	2	2	.16	85	.01	6	.16	.01	.03	2	2	4	2	2	2
P 1.2W 1.5N	2	30	2	5	.2	10	1	182	.12	2	117	ND	2	402	1	2	2	5	6.15	.07	4	2	.13	81	.01	7	.09	.01	.02	2	2	4	4	2	2
P 1.2W 1.8N	1	32	2	5	.3	18	2	650	.21	2	68	ND	2	323	1	2	2	5	6.09	.08	18	2	.12	104	.01	5	.24	.01	.03	2	2	4	10	2	2
P 1.2W 2.1N	1	22	8	49	.2	25	11	674	2.65	3	9	ND	5	62	1	2	2	39	.87	.02	31	35	.67	99	.11	3	1.96	.01	.08	2	4	24	12	4	2
P 1.2W 2.4N	1	26	3	34	.8	10	2	27	.39	2	16	ND	2	244	1	2	2	6	3.46	.06	38	3	.11	140	.01	3	.47	.01	.03	2	2	5	16	2	2

PITCH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
P 1.2W 3N	1	6	6	25	.2	8	3	92	1.14	2	2	ND	3	22	1	2	2	20	.25	.02	22	18	.36	78	.06	2	.98	.01	.15	2	2	32	4	2	2
P 1.2W 3.3N	19	86	14	39	.8	154	29	12326	8.81	7	37	ND	2	112	3	2	2	41	.99	.10	208	39	.47	591	.04	5	2.33	.01	.13	2	6	145	107	21	2
P 1.2W 3.6N	2	7	11	12	.2	6	2	232	.73	2	2	ND	2	125	1	2	2	17	1.10	.03	25	16	.12	130	.05	2	.65	.02	.07	2	2	36	4	2	2
~~STD A-1~~	~~1~~	~~27~~	~~38~~	~~143~~	~~.1~~	~~31~~	~~11~~	~~866~~	~~2.57~~	~~7~~	~~2~~	~~ND~~	~~2~~	~~30~~	~~1~~	~~2~~	~~2~~	~~10~~	~~.60~~	~~.09~~	~~8~~	~~66~~	~~.70~~	~~246~~	~~.08~~	~~5~~	~~1.96~~	~~.02~~	~~.20~~	~~2~~	~~7~~	~~12~~	~~7~~	~~2~~	~~2~~
P 1.8W 0N	1	20	2	4	.2	10	1	335	.17	2	37	ND	2	275	1	2	2	4	6.28	.07	2	3	.11	51	.01	6	.12	.01	.03	2	2	4	2	2	2
P 1.8W 0.3N	1	23	3	4	.4	9	1	461	.19	2	53	ND	2	275	1	2	2	5	6.29	.08	4	2	.10	64	.01	6	.13	.01	.02	2	2	4	4	2	2
P 1.8W 0.6N	1	18	1	7	.2	6	1	213	.17	2	24	ND	2	273	1	2	2	2	6.48	.06	2	2	.10	65	.01	9	.12	.01	.02	2	2	3	2	2	2
P 1.8W 0.9N	1	22	2	4	.3	9	1	221	.20	2	36	ND	2	282	1	2	2	3	6.58	.06	2	2	.10	72	.01	4	.15	.01	.01	2	2	4	2	2	2
P 1.8W 1.2N	1	16	1	5	.2	6	1	176	.12	2	53	ND	2	289	1	2	2	4	6.07	.06	2	1	.11	70	.01	6	.08	.01	.02	2	2	3	2	2	2
P 1.8W 1.5N	2	10	1	16	.1	3	1	30	.10	2	4	ND	2	112	1	2	2	2	1.59	.03	2	1	.04	40	.01	5	.06	.01	.01	2	2	2	2	2	2
P 1.8W 1.8N	1	39	2	9	.7	19	3	465	.50	2	25	ND	2	331	1	2	2	5	5.69	.08	6	10	.14	132	.01	4	.47	.01	.02	2	2	6	6	2	2
P 1.8W 2.1N	1	68	3	8	1.1	33	4	644	.78	2	36	ND	2	293	1	2	2	9	4.89	.17	122	19	.14	154	.01	4	1.37	.01	.03	2	3	4	68	5	2
P 1.8W 2.4N	1	23	1	5	.5	12	2	86	.38	2	16	ND	2	273	1	2	2	5	4.83	.06	26	4	.14	86	.01	3	.46	.01	.02	2	2	4	14	2	2
P 1.8W 3N	1	13	9	48	.2	22	7	121	2.68	2	2	ND	5	13	1	2	2	32	.17	.06	24	37	.61	55	.06	2	2.01	.01	.13	2	3	32	4	4	2
P 1.8W 3.6N	2	40	12	53	.4	30	9	160	2.41	2	11	ND	4	38	1	2	2	36	.40	.06	68	44	.67	135	.09	3	2.02	.01	.11	2	5	48	26	6	2
P 2.4W 0N	1	23	5	24	.2	12	3	120	.87	2	12	ND	2	103	1	2	2	14	2.09	.05	19	15	.26	57	.03	4	.71	.01	.06	2	2	11	9	2	2
P 2.4W 0.3N	1	25	1	12	.2	10	1	178	.21	2	40	ND	2	300	1	2	2	3	6.54	.06	2	2	.13	63	.01	7	.15	.01	.01	2	2	3	2	2	2
P 2.4W 0.6N	1	21	9	38	.4	24	8	291	2.32	3	13	ND	2	129	1	2	2	27	2.55	.06	12	33	.62	93	.04	4	1.44	.01	.13	2	4	17	6	2	2
P 2.4W 0.9N	1	15	2	5	.1	5	1	87	.16	2	31	ND	2	215	1	2	2	3	3.97	.05	2	1	.06	22	.01	3	.12	.01	.02	2	2	2	2	2	2
P 2.4W 1.2N	2	14	2	5	.1	4	1	120	.12	2	41	ND	2	327	1	2	2	4	5.67	.05	2	1	.12	53	.01	5	.08	.01	.02	2	2	2	2	2	2
P 2.4W 1.5N	1	31	2	4	.4	11	1	619	.27	2	148	ND	2	326	1	2	2	3	6.14	.09	10	5	.11	86	.01	5	.35	.01	.01	2	2	6	10	2	2
P 2.4W 1.8N	1	18	3	5	.4	4	1	17	.30	2	14	ND	2	190	1	2	2	4	3.18	.04	4	3	.05	98	.01	2	.24	.01	.02	2	2	2	2	2	2
P 2.4W 2.1N	2	12	2	4	.2	3	1	17	.09	2	16	ND	2	226	1	2	2	2	4.69	.04	2	1	.09	35	.01	3	.07	.01	.01	2	2	2	2	2	2
P 2.4W 2.4N	1	23	3	6	.5	8	2	580	.26	2	9	ND	2	300	1	2	2	3	5.91	.07	2	3	.13	114	.01	4	.30	.01	.02	2	2	3	2	2	2
P 2.4W 2.7N	1	46	3	28	.4	23	9	782	1.85	2	24	ND	2	172	1	2	2	19	2.93	.07	27	26	.60	117	.05	2	1.40	.01	.09	2	2	14	14	2	2
P 2.4W 3N	1	43	1	3	.6	25	2	336	.35	2	20	ND	2	267	1	2	2	3	5.17	.08	53	6	.12	98	.01	3	.46	.01	.01	2	2	3	26	2	2
P 3W 0N	1	23	2	4	.2	11	2	338	.21	2	38	ND	2	299	1	2	2	4	6.70	.07	2	3	.14	44	.01	5	.14	.01	.01	2	2	4	2	2	2
P 3W 0.3N	1	14	1	5	.2	5	1	209	.11	2	16	ND	2	234	1	2	2	2	5.14	.05	2	1	.10	31	.01	8	.07	.01	.02	2	2	2	2	2	2
P 3W 0.6N	1	65	6	18	.6	32	6	941	1.20	2	32	ND	2	216	1	2	2	11	4.48	.13	17	24	.25	94	.01	4	1.00	.01	.04	2	2	11	17	2	2
P 3W 0.9N	1	16	1	4	.1	5	1	129	.10	2	32	ND	2	258	1	2	2	3	5.42	.04	2	1	.12	77	.01	4	.06	.01	.03	2	2	3	2	2	2
P 3W 1.2N	3	12	1	3	.2	3	1	50	.10	2	8	ND	2	265	1	2	2	2	4.75	.04	2	1	.10	32	.01	7	.07	.01	.02	2	2	2	2	2	2
P 3W 1.5N	1	16	2	4	.2	6	1	302	.10	2	18	ND	2	284	1	2	2	2	5.82	.05	2	1	.11	54	.01	6	.07	.01	.02	2	2	2	2	2	2
P 3W 1.8N	1	33	2	4	.4	13	2	641	.24	2	74	ND	2	281	1	2	2	3	5.64	.09	12	7	.11	65	.01	4	.31	.01	.01	2	2	4	11	2	2
P 3W 2.1N	1	28	4	17	.4	16	3	244	.90	2	28	ND	2	219	1	2	2	10	4.34	.09	5	16	.28	76	.01	4	.77	.01	.05	2	2	5	4	2	2
P 3W 2.4N	1	11	1	5	.1	3	1	35	.05	2	12	ND	2	119	1	2	2	2	2.57	.04	2	1	.05	18	.01	5	.04	.01	.03	2	2	2	2	2	2
P 3W 2.7N	1	26	3	4	.4	9	1	191	.17	2	21	ND	2	283	1	2	2	2	5.86	.05	2	1	.10	75	.01	3	.21	.01	.01	2	2	2	2	2	2

PITCH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
P 3W 3M	3	65	6	7	1.3	25	4	2237	.65	2	30	ND	2	280	2	2	2	6	5.18	.15	51	19	.14	197	.01	4	1.03	.01	.02	2	2	15	32	2	2
P 3W 3.3M	1	31	3	4	.4	16	1	43	.31	2	7	ND	2	246	1	2	2	3	4.53	.05	15	3	.14	115	.01	2	.39	.01	.02	2	2	9	9	2	2
P 3W 3.6M	1	22	6	9	.4	12	2	323	.62	2	13	ND	2	202	1	2	2	6	3.30	.06	8	5	.11	179	.01	16	.45	.04	.04	2	2	9	5	2	2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P 3.6W 0M	1	56	8	40	.4	36	9	480	2.43	2	10	ND	2	118	1	2	2	28	2.10	.07	13	36	.58	97	.03	5	1.63	.02	.11	2	3	16	11	2	2
P 3.6W 0.3M	1	36	7	29	.4	22	6	533	1.67	2	24	ND	2	121	1	2	2	20	2.93	.10	8	24	.31	86	.01	6	1.13	.01	.07	2	2	12	6	2	2
P 3.6W 0.6M	1	26	13	45	.4	22	9	255	3.05	2	3	ND	2	55	1	2	2	44	.87	.03	14	37	.46	97	.03	3	1.86	.02	.09	2	3	23	5	2	2
P 3.6W 0.9M	1	26	7	25	.2	20	7	325	1.77	3	19	ND	2	159	1	2	2	19	2.96	.05	9	25	.38	121	.02	4	1.15	.02	.10	2	2	14	6	2	2
P 3.6W 1.2M	1	20	4	10	.2	14	2	170	.64	2	19	ND	2	242	1	2	2	7	5.22	.06	5	9	.19	82	.01	7	.45	.01	.04	2	2	7	4	2	2
P 3.6W 1.5M	1	27	2	8	.3	16	2	407	.42	2	22	ND	2	261	1	2	2	5	5.66	.07	4	8	.16	98	.01	4	.32	.01	.03	2	2	5	3	2	2
P 3.6W 1.8M	1	15	1	3	.2	7	1	148	.12	2	25	ND	2	288	1	2	2	2	5.63	.06	2	1	.12	59	.01	5	.09	.01	.02	2	2	3	2	2	2
P 3.6W 2.1M	1	14	1	4	.2	7	1	264	.17	2	22	ND	2	271	1	2	2	4	5.77	.05	2	1	.11	65	.01	7	.15	.01	.02	2	2	3	2	2	2
P 3.6W 2.4M	1	19	1	4	.2	8	1	164	.12	2	30	ND	2	289	1	2	2	3	6.36	.06	2	1	.11	59	.01	12	.09	.03	.02	2	2	2	2	2	2
P 3.6W 2.7M	1	33	2	6	.2	13	1	341	.25	2	71	ND	2	257	1	2	2	3	5.30	.08	5	3	.11	62	.01	6	.23	.02	.02	2	2	4	5	2	2
P 3.6W 3M	1	32	3	4	.6	11	2	586	.35	2	41	ND	2	295	1	2	2	3	5.76	.08	12	7	.11	114	.01	6	.50	.02	.01	2	2	5	9	2	2
P 3.6W 3.3M	1	21	1	3	.3	11	1	55	.15	2	11	ND	2	243	1	2	2	3	5.03	.05	3	1	.09	72	.01	4	.25	.01	.01	2	2	2	3	2	2
P 3.6W 3.6M	1	20	10	35	.4	20	7	218	2.37	4	2	ND	3	70	1	2	2	40	1.02	.03	24	33	.54	102	.07	3	1.75	.01	.08	2	4	25	8	2	2
P 4.2W 0M	1	57	11	42	.6	30	9	751	2.35	2	12	ND	2	126	2	2	2	31	2.19	.05	13	32	.34	107	.04	4	1.54	.01	.06	2	3	14	10	2	2
P 4.2W 0.3M	1	12	3	5	.2	5	1	141	.20	2	17	ND	2	250	1	2	2	3	5.61	.06	2	1	.12	29	.01	6	.14	.01	.02	2	2	2	2	2	2
P 4.2W 0.6M	1	15	2	5	.2	6	1	305	.23	2	36	ND	2	270	1	2	2	5	6.10	.06	2	2	.16	41	.01	8	.14	.01	.02	2	2	3	2	2	2
P 4.2W 0.9M	1	14	1	3	.2	5	1	84	.15	2	39	ND	2	245	1	2	2	2	5.02	.04	2	1	.13	34	.01	7	.12	.01	.02	2	2	3	2	2	2
P 4.2W 1.2M	1	38	5	14	.3	19	4	479	.84	2	42	ND	2	236	1	2	2	10	5.04	.08	8	13	.25	63	.01	5	.57	.01	.04	2	2	7	8	2	2
P 4.2W 1.5M	1	18	1	4	.2	8	1	240	.10	2	22	ND	2	250	2	2	2	2	5.85	.06	2	1	.12	60	.01	8	.06	.01	.02	2	2	3	2	2	2
P 4.2W 2.1M	1	32	2	5	.3	13	1	790	.25	2	38	ND	2	261	1	2	2	3	5.15	.11	7	4	.12	76	.01	7	.32	.01	.02	2	2	5	7	2	2
P 4.2W 2.4M	1	33	2	3	.4	12	1	223	.18	2	28	ND	2	280	1	2	2	2	5.88	.08	8	3	.11	75	.01	4	.35	.01	.01	2	2	4	7	2	2
P 4.2W 2.7M	1	21	1	3	.2	6	1	303	.14	2	17	ND	2	274	1	2	2	4	5.96	.05	2	1	.11	63	.01	5	.14	.01	.02	2	2	3	2	2	2
P 4.2W 3M	1	13	1	2	.1	4	1	77	.09	2	8	ND	2	253	1	2	2	5	5.64	.04	2	1	.10	55	.01	6	.07	.01	.01	2	2	2	2	2	2
P 4.2W 3.3M	1	28	1	2	.2	11	1	129	.14	2	43	ND	2	262	1	2	2	2	5.54	.06	4	1	.10	63	.01	3	.14	.01	.01	2	2	4	3	2	2
P 4.2W 3.6M	1	21	8	43	.3	29	8	383	2.29	2	2	ND	5	78	1	2	2	25	1.59	.06	31	32	.72	80	.05	3	1.30	.01	.22	2	3	41	9	3	2
P 4.8W 0M	1	23	13	51	.3	26	10	213	3.66	3	2	ND	4	26	1	2	2	48	.40	.03	20	34	.74	80	.05	5	2.26	.01	.11	2	4	31	4	3	2
P 4.8W 0.3M	1	18	2	5	.2	8	1	59	.26	2	19	ND	2	254	1	2	2	3	5.97	.05	2	3	.11	43	.01	7	.19	.01	.02	2	2	5	2	2	2
P 4.8W 0.6M	1	25	1	9	.2	12	1	280	.20	2	35	ND	2	232	1	2	2	4	5.48	.07	2	2	.10	31	.01	6	.11	.01	.03	2	2	4	2	2	2
P 4.8W 0.9M	1	36	1	3	.2	20	1	286	.16	2	61	ND	2	247	1	2	2	3	5.72	.06	2	4	.10	38	.01	10	.09	.01	.01	2	2	5	3	2	2
P 4.8W 1.2M	1	12	1	3	.1	6	1	201	.19	2	24	ND	2	274	1	2	2	2	6.07	.06	2	1	.12	37	.01	6	.15	.01	.02	2	2	4	2	2	2
P 4.8W 1.5M	1	28	8	21	.3	17	5	328	1.19	2	20	ND	2	185	1	2	2	13	3.71	.06	5	17	.29	72	.01	6	.81	.01	.05	2	2	9	3	2	2
P 4.8W 1.8M	1	23	1	3	.2	11	2	131	.20	2	31	ND	2	295	1	2	2	3	6.51	.05	2	1	.13	65	.01	6	.15	.01	.01	2	2	3	2	2	2
P 4.8W 2.1M	1	29	1	3	.2	13	1	408	.18	2	29	ND	2	277	1	2	2	3	5.94	.07	4	2	.13	93	.01	5	.21	.01	.01	2	2	2	4	2	2

PITCH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ir PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
P 4.8W 2.4N	1	48	4	33	.6	14	3	1009	.51	2	35	ND	2	306	1	2	2	5	6.01	.13	11	10	.17	130	.01	4	.75	.01	.03	2	2	8	10	2	2
P 4.8W 2.7N	1	27	2	4	.5	7	1	346	.25	2	9	ND	2	284	1	2	2	3	6.04	.07	4	2	.12	91	.01	4	.43	.01	.01	2	2	5	3	2	2
P 4.8W 3N	1	41	2	6	.5	11	2	676	.39	2	51	ND	2	280	1	2	2	4	5.93	.17	11	10	.14	84	.01	4	.75	.01	.02	2	2	6	10	2	2
P 4.8W 3.6N	2	23	6	47	.3	29	9	457	2.80	2	4	ND	4	28	1	2	2	49	.51	.04	22	44	.73	132	.10	3	2.11	.02	.09	2	6	28	6	2	2
P 5.4W 0N	1	31	9	42	.3	29	9	426	2.51	3	8	ND	2	95	1	2	2	30	1.08	.06	15	29	.52	84	.03	2	1.81	.01	.10	2	3	23	9	4	2
P 5.4W 0.3N	1	66	10	35	.5	37	8	433	2.24	3	23	ND	2	135	1	2	2	25	2.57	.07	34	30	.44	89	.02	3	1.60	.01	.09	2	3	19	24	4	2
P 5.4W 0.6N	1	29	12	49	.5	25	9	288	2.77	2	4	ND	2	65	1	2	2	39	1.19	.04	16	36	.53	106	.04	2	1.86	.01	.08	2	3	23	7	3	2
P 5.4W 0.9N	1	19	9	61	.3	23	9	294	2.95	4	2	ND	3	31	1	2	2	46	.54	.04	20	39	.62	119	.04	2	2.02	.01	.10	2	3	29	5	3	2
P 5.4W 1.2N	1	14	6	34	.4	13	5	139	1.76	2	2	ND	3	15	1	2	2	39	.16	.02	26	23	.22	112	.02	2	1.11	.01	.08	2	2	41	3	4	2
P 5.4W 1.5N	1	23	13	48	.2	27	11	218	3.00	2	4	ND	5	34	1	2	2	35	.50	.03	31	42	.62	97	.03	2	2.05	.01	.11	2	3	46	10	5	2
P 5.4W 1.8N	1	25	1	13	.2	13	1	338	.19	2	13	ND	2	231	1	2	2	4	5.58	.07	2	2	.13	121	.01	6	.14	.01	.03	2	2	5	2	2	2
P 5.4W 2.1N	1	34	3	13	.4	18	4	392	.83	2	33	ND	2	231	1	2	2	9	4.83	.07	12	11	.23	92	.01	4	.66	.01	.04	2	2	9	7	2	2
P 5.4W 2.4N	1	18	2	5	.2	7	1	63	.27	2	12	ND	2	222	1	2	2	4	4.88	.06	3	2	.13	55	.01	4	.29	.01	.01	2	2	4	2	2	2
P 5.4W 2.7N	1	36	1	4	.5	8	1	350	.22	2	13	ND	2	254	1	2	2	3	5.36	.09	10	4	.11	77	.01	4	.49	.01	.01	2	2	5	7	2	2
P 5.4W 3N	1	18	1	3	.3	3	1	46	.07	2	11	ND	2	154	1	2	2	4	3.65	.05	2	1	.08	32	.01	4	.10	.01	.02	2	2	2	2	2	2
P 5.4W 3.3N	1	43	6	52	.4	23	11	424	3.02	2	2	ND	2	62	1	2	2	58	1.07	.05	12	49	1.04	97	.10	3	2.23	.01	.08	2	5	15	7	3	2
P 5.4W 3.6N	1	35	6	17	.4	21	4	220	1.26	2	26	ND	2	610	1	2	2	15	3.40	.06	26	20	.31	187	.02	3	.91	.01	.10	2	2	16	14	2	2
P 6W 1.5N	1	49	11	54	.4	32	9	649	2.76	2	8	ND	2	81	1	2	2	36	1.39	.07	22	39	.62	134	.03	3	2.06	.01	.13	2	2	23	12	4	2
P 6W 1.8N	1	22	3	7	.6	11	1	112	.36	2	7	ND	2	197	1	2	2	3	4.94	.06	7	2	.16	74	.01	3	.47	.01	.02	2	2	6	7	2	2
P 6W 2.1N	1	5	7	20	.1	5	2	65	.95	2	2	ND	2	19	1	2	2	30	.33	.01	17	12	.18	52	.06	2	.89	.01	.07	2	2	25	2	2	2
P 6W 2.4N	1	30	2	15	.6	13	3	642	.73	2	18	ND	2	232	1	2	2	9	4.72	.10	8	11	.22	96	.01	4	.69	.01	.05	2	2	8	6	2	2
P 6W 2.7N	1	37	6	41	.3	19	10	626	2.79	3	2	ND	2	65	1	2	2	58	1.18	.05	12	41	.79	106	.11	4	2.10	.02	.08	2	6	20	8	3	2
P 6W 3N	1	82	3	8	1.0	10	4	769	.74	2	19	ND	2	254	1	2	2	13	5.19	.16	24	20	.23	124	.01	4	1.26	.02	.02	2	2	8	21	2	2
P 6W 3.3N	1	32	8	41	.2	26	9	546	2.38	3	2	ND	3	69	1	2	2	32	1.17	.07	25	38	.70	102	.06	3	1.56	.01	.16	2	4	35	9	4	2
P 6W 3.6N	3	52	15	62	.6	43	15	682	3.90	4	4	ND	6	66	1	2	2	57	.56	.06	67	61	1.07	152	.11	3	3.04	.02	.34	2	6	74	31	10	2
STD A-1	1	[illegible]	32	[illegible]	[illegible]	30	11	[illegible]	[illegible]	[illegible]	2	ND	2	27	1	2	2	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	2	7	12	7	2	2
P 6.6W 1.5N	1	8	11	51	.1	18	6	148	2.75	2	2	ND	4	8	1	2	2	40	.13	.02	22	28	.51	57	.04	2	1.60	.01	.09	2	2	31	2	2	2
P 6.6W 1.8N	1	25	11	61	.2	20	10	409	2.86	2	7	ND	3	26	1	2	2	47	.44	.03	19	41	.56	110	.07	3	2.22	.01	.09	2	5	28	7	4	2
P 6.6W 2.1N	1	18	8	35	.3	15	7	404	2.16	2	3	ND	2	55	1	2	2	42	1.07	.02	10	33	.52	74	.10	3	1.70	.01	.06	2	5	14	4	2	2
P 6.6W 2.4N	1	64	4	15	1.2	23	6	1454	1.11	3	67	ND	2	215	1	2	2	14	4.83	.17	22	18	.30	184	.01	5	1.11	.02	.04	2	2	11	18	3	2
P 6.6W 2.7N	1	38	9	48	.3	20	10	624	2.82	2	3	ND	2	69	1	2	2	62	1.18	.04	14	40	.69	139	.08	3	2.33	.01	.09	2	4	17	7	4	2
P 6.6W 3N	1	28	5	36	.3	16	8	245	3.38	6	3	ND	2	51	1	2	2	102	.80	.05	10	39	.79	118	.21	3	2.31	.01	.06	2	8	10	4	2	2
P 6.6W 3.3N	1	39	8	29	.4	22	7	425	1.90	3	11	ND	2	139	1	2	2	32	2.73	.06	14	29	.65	115	.06	3	1.47	.01	.07	2	4	12	9	2	2
P 6.6W 3.6N	2	85	14	58	.9	57	15	807	4.49	9	3	ND	3	69	1	2	2	72	1.01	.05	53	75	1.06	218	.11	5	3.45	.02	.19	2	10	32	39	8	2
P 7.2W 3.6N	2	37	16	54	.4	38	12	587	3.44	4	4	ND	5	77	1	2	2	52	.50	.02	50	54	.78	157	.11	4	2.33	.01	.22	2	7	37	24	6	2

PITCH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
G-1000	1	9	6	21	.2	11	4	272	1.35	2	2	ND	10	35	1	2	2	13	.54	.09	58	17	.28	39	.05	3	.77	.02	.12	2	3	77	13	7	2
G-1001	1	8	5	24	.2	12	5	219	1.32	3	2	ND	8	32	1	2	2	14	.47	.09	46	16	.31	39	.05	3	.80	.02	.13	2	3	65	11	4	2
G-1002	1	10	5	21	.1	13	5	308	1.46	2	2	ND	8	37	1	2	2	14	.52	.09	52	16	.29	37	.05	3	.79	.02	.13	2	3	70	13	6	2
G-1003	1	8	4	23	.2	12	5	251	1.41	2	2	ND	13	31	1	2	2	15	.47	.11	70	17	.30	37	.05	3	.80	.02	.12	2	3	95	15	6	2
G-1004	1	9	3	21	.2	11	5	330	1.51	2	2	ND	21	40	1	2	2	15	.64	.13	102	18	.28	35	.05	3	.78	.03	.12	2	4	138	21	8	2
G-1005	1	9	3	23	.2	12	5	267	1.42	2	2	ND	12	32	1	2	2	14	.48	.10	62	15	.31	37	.05	3	.82	.02	.13	2	3	85	15	5	2
G-1006	1	8	4	18	.2	10	4	248	1.22	4	3	ND	13	34	1	2	2	12	.57	.11	70	15	.24	30	.04	4	.69	.02	.10	2	3	95	16	5	2
G-1007	1	9	4	22	.2	12	5	336	1.49	2	2	ND	18	34	1	2	2	15	.54	.12	87	17	.29	34	.05	2	.81	.02	.12	2	4	118	20	8	2
G-1008	1	9	4	21	.1	11	4	287	1.34	2	2	ND	12	34	1	2	2	14	.53	.10	63	17	.28	34	.05	2	.78	.03	.12	2	3	85	16	5	2
G-1009	1	9	4	20	.2	11	4	240	1.29	5	2	ND	17	36	1	2	2	14	.58	.12	79	16	.28	33	.05	3	.74	.02	.12	2	3	110	18	7	2
G-1010	2	11	9	28	.2	14	6	370	1.81	5	2	ND	17	59	1	2	2	16	.72	.11	126	19	.37	55	.06	2	.98	.03	.17	2	4	154	19	8	2
G-1011	5	9	4	19	.2	14	4	423	1.56	2	2	ND	24	43	1	2	2	14	.67	.13	113	16	.27	32	.06	2	.79	.03	.11	2	5	153	25	8	2
G-1012	1	8	3	22	.2	13	5	207	1.35	2	2	ND	20	25	1	2	2	15	.46	.11	88	19	.31	31	.05	2	.79	.01	.10	2	4	127	18	6	2
G-1014	1	7	2	20	.2	10	4	293	1.26	2	2	ND	19	29	1	2	2	14	.45	.10	86	17	.27	34	.05	2	.78	.03	.12	2	4	122	19	7	2
G-1015	1	8	4	20	.1	10	4	268	1.24	2	2	ND	14	28	1	2	2	14	.39	.09	66	18	.27	38	.05	4	.81	.03	.14	2	3	94	16	6	2
G-1016	1	7	3	19	.2	9	3	392	1.32	2	2	ND	27	29	1	2	2	13	.48	.13	119	17	.24	32	.05	3	.75	.03	.12	2	5	169	27	10	2
G-1017	1	8	4	21	.1	10	4	285	1.25	2	2	ND	13	26	1	2	2	14	.41	.09	65	17	.28	36	.05	2	.82	.03	.14	2	3	92	16	6	2
G-1018	1	6	3	15	.2	8	3	289	1.07	2	6	ND	16	23	1	2	2	11	.43	.11	68	13	.20	25	.04	2	.64	.03	.10	2	3	100	19	7	2
G-1019	1	7	3	19	.2	9	3	237	1.10	2	6	ND	21	25	1	2	2	13	.38	.10	86	15	.25	32	.05	3	.73	.02	.13	2	4	127	19	8	2
G-1020	1	6	3	18	.2	8	3	237	1.05	2	4	ND	18	30	1	2	2	13	.42	.12	82	15	.23	36	.04	2	.67	.02	.11	2	4	121	19	7	2
~~STD A-1~~	~~1~~	~~24~~	~~29~~	~~147~~	~~.3~~	~~27~~	~~10~~	~~760~~	~~1.26~~	~~7~~	~~2~~	~~ND~~	~~2~~	~~24~~	~~1~~	~~2~~	~~2~~	~~42~~	~~.57~~	~~.08~~	~~8~~	~~57~~	~~.62~~	~~207~~	~~.07~~	~~5~~	~~1.04~~	~~.02~~	~~.18~~	~~2~~	~~7~~	~~11~~	~~6~~	~~2~~	~~2~~
G-1021	1	9	3	29	.2	14	5	453	1.56	2	7	ND	20	19	1	2	2	18	.46	.11	89	22	.33	47	.06	2	1.14	.03	.16	2	4	133	23	8	2
G-1022	1	6	3	16	.2	8	3	674	1.44	2	2	ND	28	18	1	2	2	13	.52	.12	101	17	.22	25	.06	3	.82	.03	.08	3	5	154	30	10	2
G-1023	1	10	6	27	.2	14	5	279	1.53	6	2	ND	10	41	1	2	2	20	.50	.13	99	21	.38	47	.05	2	.99	.02	.14	2	3	125	16	7	2
G-1024	1	6	2	24	.2	10	4	215	1.12	2	2	ND	8	13	1	2	2	15	.33	.08	40	15	.29	38	.05	2	.86	.02	.13	2	2	62	11	5	2
G-1025	1	5	1	15	.1	8	3	200	.91	2	3	ND	10	12	1	2	2	12	.34	.08	42	14	.21	26	.04	2	.63	.02	.09	2	2	65	12	4	2
G-1026	1	5	2	17	.2	8	3	208	1.00	2	3	ND	10	13	1	2	2	13	.37	.09	43	13	.24	30	.04	3	.70	.02	.10	2	2	68	13	4	2
G-1027	1	5	2	16	.2	8	3	241	.98	2	2	ND	12	13	1	2	2	13	.37	.09	52	14	.21	27	.04	2	.68	.02	.09	2	3	81	14	5	2
G-1028	1	5	1	18	.1	9	3	250	.99	2	2	ND	12	12	1	2	2	13	.35	.09	51	15	.22	30	.04	2	.71	.02	.09	2	3	80	14	6	2
G-1029	1	7	4	26	.2	11	4	268	1.26	2	2	ND	7	15	1	2	2	17	.35	.08	36	19	.31	43	.05	2	.97	.02	.13	2	2	56	11	3	2
G-1030	1	5	2	15	.1	10	3	592	1.25	2	2	ND	10	13	1	2	2	12	.38	.07	35	16	.20	22	.05	2	.73	.02	.08	2	3	54	17	4	2
G-1031	1	6	3	18	.1	9	3	318	1.13	2	2	ND	14	14	1	2	2	14	.38	.09	57	15	.24	31	.05	2	.78	.02	.10	2	3	89	16	6	.2
G-1032	1	4	1	14	.1	7	2	250	.93	2	2	ND	9	12	1	2	2	12	.36	.08	35	12	.19	23	.04	2	.62	.02	.07	2	2	54	12	3	2
G-1033	1	6	2	16	.1	9	3	343	1.11	2	2	ND	15	14	1	2	2	13	.40	.09	58	16	.22	29	.05	2	.76	.02	.09	2	3	91	17	6	2
G-1034	1	5	2	15	.2	8	3	447	1.17	2	5	ND	14	14	1	2	2	13	.40	.09	54	12	.21	25	.05	2	.74	.03	.08	2	3	83	18	5	2
G-1035	1	6	3	17	.2	9	3	309	1.14	2	2	ND	9	15	1	2	2	14	.37	.08	38	16	.23	32	.05	8	.77	.03	.10	2	2	57	13	3	2
G-1036	1	5	1	20	.1	9	3	232	1.05	2	2	ND	9	13	1	2	2	14	.34	.08	40	16	.25	34	.05	2	.80	.02	.10	2	2	62	12	3	2
~~STD HR~~	~~1~~	[illegible]	~~1~~	~~43~~	[illegible]	[illegible]	[illegible]	~~437~~	~~1.05~~	~~2~~	~~102~~	~~ND~~	~~3~~	~~110~~	~~1~~	~~2~~	~~2~~	~~31~~	~~.74~~	~~.07~~	~~10~~	~~263~~	~~.57~~	~~271~~	~~.13~~	~~2~~	~~1.21~~	~~.08~~	~~.11~~	~~2~~	~~3~~	~~15~~	~~91~~	[illegible]	~~2~~
~~RE G-1012~~	~~1~~	~~7~~	~~5~~	~~21~~	~~.2~~	~~15~~	~~5~~	~~225~~	~~1.47~~	~~2~~	~~2~~	~~ND~~	~~21~~	~~27~~	~~1~~	~~2~~	~~2~~	~~17~~	~~.51~~	~~.12~~	~~91~~	~~22~~	~~.34~~	~~36~~	~~.05~~	~~2~~	~~.85~~	~~.01~~	~~.11~~	~~2~~	~~4~~	~~136~~	~~20~~	~~8~~	~~2~~

CREEK SILT

GRANITE

GRANITE CREEK SILT

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
G-1037	1	6	4	19	.1	10	4	417	1.26	2	4	ND	11	17	1	2	2	15	.44	.09	45	17	.25	33	.05	2	.84	.03	.11	2	3	72	16	5	2
G-1038	1	6	3	18	.1	8	3	271	1.01	2	2	ND	10	14	1	2	2	13	.36	.09	45	15	.23	31	.05	2	.74	.02	.09	2	2	68	13	4	2
G-1039	1	6	4	22	.1	9	4	216	1.05	2	4	ND	5	12	1	2	2	15	.30	.07	28	18	.28	37	.05	2	.86	.01	.11	2	2	42	9	3	2
G-1040	1	5	3	20	.1	8	4	269	1.00	2	2	ND	10	12	1	2	2	13	.36	.09	46	16	.23	30	.05	2	.74	.02	.10	2	2	71	13	5	2
G-1041	1	4	2	15	.1	7	3	378	1.03	2	2	ND	5	10	1	2	2	11	.29	.06	21	12	.20	21	.04	2	.64	.02	.08	2	2	32	11	2	2
G-1042	1	6	3	18	.2	9	4	486	1.30	2	4	ND	27	16	1	2	2	14	.48	.10	96	14	.23	30	.05	2	.82	.03	.10	2	5	149	25	10	2
G-1043	1	4	3	14	.1	7	3	299	.94	2	2	ND	7	9	1	2	2	11	.26	.05	22	11	.19	21	.04	2	.60	.02	.08	3	2	35	10	2	2
G-1044	1	5	2	14	.2	7	3	372	1.03	2	6	ND	26	13	1	2	2	11	.41	.10	93	13	.19	23	.05	2	.67	.02	.08	2	4	145	24	9	2
G-1045	1	5	1	16	.2	7	3	299	.93	2	4	ND	17	12	1	2	2	12	.39	.10	67	11	.20	26	.04	2	.66	.02	.08	2	3	103	18	7	2
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~ND~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
GT1-1	1	3	1	3	.3	2	1	31	.19	2	2	ND	2	161	1	3	2	2	25.45	.01	2	1	.10	12	.01	2	.06	.01	.01	2	2	3	2	30	2
GT1-2	1	4	2	3	.3	3	1	42	.22	2	8	ND	2	159	1	3	2	2	25.87	.01	2	1	.10	15	.01	5	.07	.01	.01	2	2	5	2	30	2
GT1-3	1	3	1	6	.2	3	1	88	.13	2	6	ND	2	152	1	2	2	2	24.61	.01	2	3	.09	13	.01	2	.03	.01	.01	2	2	2	2	29	2
GT1-4	1	3	1	5	.2	3	1	89	.11	2	7	ND	2	127	1	2	2	2	20.38	.01	2	2	.08	12	.01	2	.02	.01	.01	2	2	2	2	24	2
GT1-6	1	2	1	6	.2	1	1	46	.11	2	2	ND	2	151	1	2	2	2	25.69	.01	2	1	.08	13	.01	2	.01	.01	.01	2	2	2	2	30	2
GT1-7	1	3	2	4	.2	3	1	56	.21	2	3	ND	2	186	1	2	2	2	25.85	.01	2	1	.09	15	.01	2	.06	.01	.01	2	2	4	2	30	2
GT1-8	1	28	7	37	.4	30	8	341	2.41	5	5	ND	2	45	1	2	2	29	1.54	.06	16	37	.61	57	.04	4	1.52	.01	.13	2	3	21	9	4	2
GT1-9	1	28	8	37	.4	31	8	372	2.48	4	5	ND	2	43	1	2	2	30	1.32	.06	17	41	.63	59	.04	3	1.55	.01	.14	2	3	22	9	4	2
GT1-10	1	29	7	40	.4	32	8	365	2.58	6	2	ND	2	42	1	2	2	31	1.25	.05	17	40	.65	61	.04	3	1.60	.01	.15	2	3	23	9	5	2
GT1-11	1	29	8	40	.4	33	8	326	2.66	5	3	ND	2	40	1	2	2	32	1.13	.06	19	43	.66	63	.05	3	1.67	.01	.15	2	3	25	10	4	2
GT1-12	1	32	8	33	.5	31	7	388	2.13	6	8	ND	2	61	1	2	2	26	1.79	.07	14	34	.56	58	.03	3	1.36	.01	.13	2	2	17	8	4	2
GT1-14	1	29	7	35	.5	32	8	395	2.46	6	6	ND	2	51	1	2	2	29	1.43	.06	16	39	.61	62	.04	3	1.54	.01	.13	2	3	20	9	5	2
GT1-15	1	28	7	36	.3	31	7	363	2.42	5	2	ND	2	39	1	2	2	29	1.11	.05	17	38	.61	57	.04	3	1.52	.01	.13	2	3	22	9	3	2
GT1-16	1	25	7	36	.3	29	8	342	2.34	4	2	ND	2	41	1	2	2	28	1.17	.05	17	36	.60	56	.04	3	1.47	.01	.14	2	3	22	9	4	2
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~ND~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
GT2-1	1	22	11	46	.3	33	9	433	2.63	4	3	ND	4	67	1	2	2	27	1.02	.06	37	40	.65	90	.05	3	1.51	.02	.18	2	3	35	15	6	2
GT2-A1	1	24	11	43	.3	32	10	344	2.64	5	3	ND	4	73	1	2	2	25	1.96	.06	22	36	.63	65	.03	3	1.45	.01	.12	2	3	31	10	6	2
GT2-2	1	16	7	41	.2	26	8	434	2.48	7	2	ND	5	48	1	2	2	28	.76	.06	42	36	.60	76	.07	3	1.35	.02	.17	2	4	47	11	6	2
GT2-A2	1	20	10	40	.3	30	10	352	2.65	4	4	ND	4	78	1	2	2	26	1.46	.06	25	32	.61	60	.03	3	1.48	.01	.12	2	3	36	11	7	2
GT2-3	1	17	8	43	.2	28	9	484	2.66	3	2	ND	7	51	1	2	2	31	.77	.06	57	40	.61	84	.07	4	1.46	.02	.19	2	4	65	13	8	2
GT2-4	1	16	10	47	.2	30	10	727	2.90	4	2	ND	7	49	1	2	2	30	.67	.05	50	42	.67	99	.08	3	1.54	.02	.25	2	4	58	11	7	2
GT2-5	1	18	10	44	.3	28	9	465	2.73	3	2	ND	9	53	1	2	2	33	.72	.07	81	44	.64	88	.09	4	1.52	.02	.24	2	4	90	14	8	2
GT2-6	1	21	10	51	.2	29	8	508	2.60	3	2	ND	6	65	1	2	2	31	.71	.07	57	43	.69	108	.09	3	1.60	.02	.30	2	4	59	16	8	2
GT2-7	1	17	10	59	.2	31	9	540	2.95	2	2	ND	9	44	1	2	2	34	.43	.05	51	52	.80	122	.14	3	1.71	.03	.49	2	4	60	10	4	2
GT2-8	1	22	11	59	.2	34	9	662	2.90	3	3	ND	6	66	1	2	2	35	.68	.07	43	49	.80	130	.13	3	1.77	.02	.44	2	4	43	15	9	2
GT2-9	1	24	10	68	.1	39	10	757	3.41	2	2	ND	7	63	1	2	2	43	.61	.06	31	66	.99	174	.19	3	2.11	.02	.73	2	4	32	14	6	2
GT2-10	2	28	10	51	.4	35	9	1095	2.67	2	5	ND	2	83	1	2	2	29	1.03	.09	57	36	.66	125	.06	4	1.72	.01	.21	2	3	47	25	8	2
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~ND~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
GT2-11	1	14	8	37	.2	25	8	661	2.08	2	2	ND	4	47	1	2	2	23	.57	.09	44	28	.55	72	.06	3	1.19	.02	.16	2	3	49	11	4	2
GT2-12	1	16	9	33	.2	27	8	356	1.96	2	2	ND	7	69	1	2	2	21	1.31	.10	54	31	.54	54	.05	3	.99	.01	.14	2	4	65	11	5	2
GT2-13	2	16	6	42	.3	24	8	1100	2.27	2	4	ND	2	63	1	2	2	23	.79	.09	61	24	.44	90	.05	3	1.31	.01	.10	2	3	49	23	5	2
GT2-14	2	18	8	47	.3	29	10	1620	2.93	2	6	ND	3	65	1	2	2	28	.78	.09	73	30	.55	116	.07	4	1.53	.02	.15	2	3	65	23	8	2
GT2-15'	2	12	6	36	.3	22	8	1632	2.83	2	2	ND	10	66	1	2	2	24	.71	.12	199	27	.45	117	.08	4	1.39	.07	.18	2	5	210	23	15	2
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~ND~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
GT3-1	1	10	4	22	.2	12	4	342	1.34	3	5	ND	22	26	1	2	2	14	.44	.11	93	16	.28	38	.05	2	.81	.03	.16	2	4	129	23	10	2
GT3-A1	1	8	5	23	.3	15	5	333	1.63	2	2	ND	19	39	1	2	2	18	.48	.10	97	21	.32	44	.06	2	.92	.03	.14	2	4	121	19	8	2
GT3-B1	1	11	3	25	.1	11	4	183	1.35	2	3	ND	11	10	1	2	2	16	.28	.08	42	18	.34	47	.07	2	.94	.02	.26	2	3	59	13	4	
GT3-C1	1	5	3	20	.1	8	7	185	.92	2	2	ND	9	8	1	2	2	11	.22	.07	35	13	.23	35	.05	2	.77	.02	.15	2	2	49	11	4	2
GT3-BA1	1	13	4	32	.2	12	5	223	1.57	2	2	ND	10	11	1	2	2	18	.28	.08	41	21	.41	61	.08	2	1.18	.03	...	2	3	56	13	2	2
GT3-BB1	1	13	4	35	.1	13	6	239	1.66	2	2	ND	8	11	1	2	2	20	.27	.07	35	24	.44	65	.09	2	1.26	.03	.37	2	3	47	12	3	2
GT3-BC1	1	15	4	38	.1	15	6	258	1.81	2	4	ND	11	13	1	2	2	22	.29	.08	45	27	.49	75	.10	2	1.44	.03	.42	2	3	61	;	4	2
GT3-2	1	8	4	18	.2	9	3	306	1.30	2	4	ND	32	15	1	2	2	12	.38	.11	108	16	.24	31	.05	3	.78	.03	.15	2	5	151	27	9	2
GT3-A2	1	13	10	35	.2	20	7	345	2.20	2	2	ND	15	48	1	2	2	23	.42	.09	95	27	.44	52	.06	3	1.22	.02	.18	2	4	109	15	7	
GT3-B2	1	16	8	42	.2	24	8	367	2.40	3	3	ND	14	56	1	2	2	26	.47	.09	78	35	.53	72	.08	3	1.52	.03	.26	2	4	92	17	5	2
GT3-BA2	1	17	4	41	.1	16	7	258	1.97	2	2	ND	6	14	1	2	2	25	.26	.06	29	29	.56	85	.11	3	1.56	.03	.49	2	3	36	10	2	2
GT3-A3	1	12	4	31	.1	12	5	195	1.50	2	6	ND	5	11	1	2	2	19	.25	.07	23	20	.41	60	.08	7	1.15	.02	.32	2	2	29	9	2	2
GT3-B3	1	15	6	41	.1	15	7	251	1.84	2	5	ND	6	12	1	2	2	24	.24	.06	27	27	.54	79	.11	2	1.52	.03	.47	2	3	35	9	2	2
GT3-4	1	5	2	16	.1	7	3	240	1.02	2	3	ND	12	10	1	2	2	11	.26	.07	38	12	.22	25	.04	2	.63	.02	.13	2	2	49	13	3	2
GT3-A4	1	13	8	35	.1	19	7	307	1.99	3	2	ND	7	44	1	2	2	21	.37	.07	50	25	.43	51	.06	3	1.18	.02	.18	2	3	58	11	3	2
GT3-B4	1	15	3	39	.1	15	7	237	1.81	2	4	ND	5	12	1	2	2	23	.24	.06	25	27	.52	77	.11	2	1.44	.02	.46	2	2	32	9	2	2
GT3-5	1	9	2	20	.2	10	4	265	1.31	2	3	ND	29	16	1	2	2	13	.38	.11	99	17	.26	37	.05	3	.83	.03	.17	2	5	143	25	10	2
GT3-A5	1	12	7	37	.1	20	8	374	2.17	2	2	ND	6	32	1	2	2	23	.31	.04	29	25	.52	45	.06	4	1.23	.01	.17	2	3	33	7	3	2
GT3-B5	1	15	5	39	.2	15	6	222	1.83	2	2	ND	5	11	1	2	2	23	.22	.06	20	27	.53	75	.11	2	1.42	.02	.45	2	2	25	8	2	2
GT3-6	1	7	2	18	.1	8	3	226	1.12	2	2	ND	7	13	1	2	2	12	.31	.08	29	15	.24	27	.04	2	.68	.02	.15	2	2	38	12	3	2
GT3-A6	1	17	9	46	.2	24	8	350	2.35	2	4	ND	7	72	1	2	2	26	.52	.09	54	33	.53	74	.07	3	1.52	.02	.24	2	3	62	14	5	2
GT3-B6	1	14	4	40	.1	15	7	249	1.85	2	4	ND	8	13	1	2	2	23	.26	.07	33	26	.51	78	.10	2	1.44	.03	.44	2	3	46	11	4	2
GT3-7	1	9	3	20	.3	11	4	285	1.29	2	9	ND	46	18	1	2	2	13	.42	.12	149	17	.25	33	.05	2	.79	.03	.15	2	7	213	33	14	2
GT3-B7	1	14	4	39	.2	15	7	231	1.79	2	4	ND	6	11	1	2	2	23	.24	.06	24	24	.51	75	.10	2	1.40	.02	.44	2	2	33	9	2	2
GT3-8	1	9	3	20	.2	10	4	254	1.23	4	2	ND	23	15	1	2	2	12	.37	.10	78	18	.25	33	.05	2	.79	.03	.16	2	4	113	21	8	2
GT3-B8	1	14	3	36	.3	14	6	235	1.76	2	6	ND	9	12	1	2	2	21	.28	.08	36	24	.46	67	.09	2	1.30	.03	.38	2	3	50	12	3	2
GT3-9	1	9	3	19	.1	10	3	205	1.26	2	2	ND	5	12	1	2	2	12	.26	.05	21	17	.24	30	.04	2	.71	.03	.16	2	2	32	8	6	2
GT3-10	1	8	3	21	.2	10	4	234	1.28	2	5	ND	21	14	1	2	2	13	.38	.11	80	17	.25	33	.05	2	.80	.03	.16	2	4	118	21	10	2
GT3-11	1	9	2	22	.2	10	4	240	1.26	2	4	ND	25	16	1	2	2	13	.41	.12	92	16	.25	32	.05	2	.79	.03	.15	2	5	135	23	11	2
GT3-12	1	9	3	19	.2	10	4	302	1.29	2	2	ND	35	15	1	2	2	12	.45	.14	118	18	.22	29	.05	2	.74	.03	.14	2	6	172	30	14	2
GT3-13	1	9	4	17	.2	10	3	347	1.31	2	3	ND	32	17	1	2	2	12	.51	.15	112	17	.21	25	.05	2	.70	.03	.11	2	6	162	31	12	2
GT3-14	1	7	3	19	.2	10	4	241	1.20	2	4	ND	19	13	1	2	2	11	.40	.12	67	17	.23	29	.05	2	.73	.03	.15	2	4	100	21	8	2
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~ND~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~ND~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~

GRANITE — CREEK — SILT

GRANITE CREEK SILT

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
GT3-15	1	6	1	15	.1	8	3	264	1.00	2	2	ND	10	11	1	2	2	10	.30	.08	33	12	.20	22	.04	2	.58	.02	.11	2	3	49	13	6	2
GT3-16	1	6	2	20	.2	9	3	253	1.12	2	2	ND	8	11	1	2	2	12	.29	.07	26	14	.25	28	.05	2	.69	.02	.15	2	2	38	11	4	2
GT3-17	1	9	2	22	.1	10	4	216	1.23	2	2	ND	15	12	1	2	2	14	.36	.09	57	18	.28	37	.05	2	.84	.03	.19	2	3	85	17	8	2
GT3-18	1	6	1	18	.1	7	3	188	.98	2	2	ND	6	8	1	2	2	11	.27	.07	20	13	.23	26	.04	2	.64	.02	.15	2	2	30	10	4	2
GT3-19	1	7	1	24	.1	9	4	148	1.06	2	2	ND	11	10	1	2	2	13	.31	.09	42	16	.28	36	.05	2	.81	.02	.19	2	3	63	13	5	2
GT3-20	1	7	1	18	.2	8	3	167	.98	2	3	ND	13	10	1	2	2	11	.37	.11	47	14	.22	27	.04	2	.67	.02	.15	2	3	71	16	7	2
GT3-21	1	9	2	25	.2	11	5	221	1.30	2	2	ND	13	11	1	2	2	15	.33	.09	48	18	.30	41	.06	2	.91	.03	.22	2	3	74	15	8	2
GT3-22	1	9	3	24	.2	10	4	190	1.25	3	3	ND	7	11	1	2	2	14	.30	.07	27	17	.30	40	.06	2	.89	.03	.21	2	2	40	10	5	2
GT3-23	1	8	3	23	.1	10	5	182	1.24	2	2	ND	4	9	1	2	2	15	.24	.06	16	18	.31	40	.06	3	.85	.02	.22	2	2	23	7	3	2
GT3-24	1	8	2	20	.2	10	4	218	1.26	2	2	ND	20	11	1	2	2	14	.36	.10	71	19	.28	36	.06	2	.83	.03	.19	2	4	108	20	9	2
GT3-25	1	9	2	20	.2	10	4	271	1.26	2	2	ND	24	12	1	2	2	13	.43	.13	86	17	.26	33	.05	2	.80	.03	.17	2	4	130	25	10	2
GT3-26	1	7	2	20	.1	9	3	169	1.08	2	2	ND	6	8	1	2	2	12	.24	.06	22	15	.26	32	.05	2	.72	.02	.18	2	2	34	9	5	2
GT3-27	1	6	2	16	.1	8	3	189	1.01	2	4	ND	5	8	1	2	2	11	.26	.06	16	14	.21	25	.04	2	.62	.02	.14	2	2	25	9	3	2
GT3-28	1	10	3	27	.2	11	5	251	1.44	2	2	ND	12	12	1	2	2	16	.35	.09	43	19	.35	47	.07	2	1.02	.03	.25	2	3	64	15	6	2
GT3-29	1	6	3	16	.1	8	3	274	1.04	2	2	ND	15	7	1	2	2	10	.29	.08	38	14	.20	24	.04	2	.61	.02	.13	3	3	59	15	7	2
~~RE GT3-18~~	~~1~~	~~7~~	~~3~~	~~25~~	~~.2~~	~~10~~	~~4~~	~~150~~	~~1.15~~	~~2~~	~~4~~	~~ND~~	~~12~~	~~10~~	~~1~~	~~2~~	~~2~~	~~11~~	~~.31~~	~~.10~~	~~11~~	~~10~~	~~.29~~	~~39~~	~~.06~~	~~2~~	~~.86~~	~~.02~~	~~.21~~	~~2~~	~~3~~	~~67~~	~~11~~	~~7~~	~~2~~
~~STD HN~~	~~1~~	~~7~~	~~7~~	~~45~~	~~.2~~	~~10~~	~~9~~	~~450~~	~~2.04~~	~~2~~	~~101~~	~~ND~~	~~3~~	~~111~~	~~1~~	~~2~~	~~2~~	~~76~~	~~.76~~	~~.07~~	~~4~~	~~253~~	~~.61~~	~~272~~	~~.12~~	~~2~~	~~1.26~~	~~.08~~	~~.11~~	~~2~~	~~3~~	~~11~~	~~47~~	~~10~~	~~2~~
~~STD A-1~~	~~1~~	~~27~~	~~35~~	~~171~~	~~.5~~	~~72~~	~~12~~	~~885~~	~~2.44~~	~~12~~	~~2~~	~~ND~~	~~2~~	~~28~~	~~1~~	~~2~~	~~2~~	~~19~~	~~.64~~	~~.09~~	~~9~~	~~72~~	~~.72~~	~~270~~	~~.08~~	~~5~~	~~2.12~~	~~.02~~	~~.21~~	~~2~~	~~8~~	~~12~~	~~7~~	~~1~~	~~2~~

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
GT3-30	1	8	3	25	.1	10	5	218	1.28	2	2	ND	8	11	1	2	2	14	.34	.10	28	17	.31	40	.06	2	.84	.02	.21	2	2	42	12	6	2
GT3-31	1	9	4	27	.2	12	5	242	1.34	2	3	ND	13	12	1	2	2	16	.41	.13	51	36	.33	45	.06	2	.95	.02	.23	4	3	79	18	9	2
GT3-32	1	9	2	28	.1	11	5	237	1.46	2	2	ND	11	12	1	2	2	16	.35	.10	41	19	.34	45	.07	2	.96	.02	.23	2	3	62	14	7	2
GT3-33	1	9	2	27	.1	11	5	205	1.25	2	2	ND	5	11	1	2	2	15	.32	.09	22	25	.32	43	.06	2	.90	.01	.22	2	2	34	10	5	2
GT3-34	1	8	3	25	.2	10	5	200	1.27	2	2	ND	8	10	1	2	2	15	.33	.10	20	18	.31	40	.06	2	.86	.02	.22	2	2	32	11	6	2
GT3-35	1	10	5	34	.1	13	6	245	1.49	2	2	ND	6	12	1	2	2	18	.30	.08	20	34	.38	52	.08	2	1.12	.02	.27	2	2	30	10	5	2
GT3-36	1	4	1	19	.1	7	3	202	.88	2	2	ND	13	6	1	2	2	9	.27	.09	30	11	.19	23	.04	2	.55	.01	.12	2	3	48	14	7	2
GT3-37	1	6	1	23	.1	9	4	209	1.00	2	2	ND	8	9	1	2	2	11	.31	.09	28	34	.22	31	.04	2	.71	.02	.14	2	2	45	12	5	2
GT3-38	1	5	2	23	.1	7	4	202	1.02	2	3	ND	5	7	1	2	2	12	.22	.06	14	14	.25	29	.05	2	.68	.01	.15	2	2	23	8	5	2
GT3-39	1	4	1	17	.1	7	3	173	.79	2	2	ND	6	6	1	2	2	9	.22	.06	18	24	.19	23	.04	2	.54	.01	.12	2	2	28	9	5	2
GT3-40	1	6	1	21	.1	8	4	217	1.04	2	2	ND	10	9	1	2	2	11	.32	.10	37	12	.21	30	.04	2	.67	.02	.14	2	3	57	14	7	2
GT3-41	1	6	4	26	.1	9	5	268	1.10	2	2	ND	4	10	1	2	2	13	.30	.08	19	29	.26	36	.05	2	.85	.02	.14	2	2	28	10	3	2
GT3-42	1	5	3	19	.1	7	4	203	.95	2	6	ND	10	9	1	2	2	10	.31	.09	35	11	.19	25	.04	2	.61	.02	.11	2	2	56	14	6	2
GT3-43	1	5	3	24	.1	9	4	209	1.09	2	2	ND	2	7	1	2	2	14	.19	.05	7	27	.28	31	.05	2	.77	.01	.16	2	2	10	5	3	2
~~[illegible]~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GT4-1	1	13	5	34	.2	21	11	557	2.19	2	5	ND	3	18	1	2	2	29	.32	.06	22	34	.52	68	.09	2	1.64	.02	.23	2	3	29	10	5	2
GT4-2	1	17	5	34	.2	21	10	234	1.97	3	3	ND	2	13	1	2	2	27	.25	.05	18	39	.49	56	.09	2	1.57	.01	.22	2	2	25	8	3	2
GT4-3	1	21	7	38	.2	25	11	258	2.20	3	6	ND	2	13	1	2	2	29	.25	.04	19	36	.55	58	.09	2	1.68	.01	.25	2	2	25	8	6	2
GT4-4	1	12	6	31	.1	17	7	195	1.89	2	2	ND	2	12	1	2	2	27	.23	.05	16	38	.48	56	.09	2	1.43	.01	.22	2	2	21	6	3	2
~~[illegible]~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GT5-1	1	9	3	29	.2	14	6	487	1.78	2	5	ND	2	19	1	2	2	22	.54	.09	18	24	.38	44	.06	2	1.13	.01	.11	2	2	25	10	4	2
LW OW 2.8N	1	12	7	32	.3	18	6	181	1.99	2	6	ND	2	28	1	2	2	26	.56	.03	20	31	.38	50	.06	2	1.31	.01	.10	2	3	26	6	6	2
LW OW 3.1N	1	7	5	30	.1	12	5	115	2.56	2	2	ND	4	10	1	2	2	41	.20	.08	18	28	.33	36	.08	3	1.21	.01	.10	2	3	27	4	6	2
LW OW 3.4N	1	10	5	40	.1	19	7	128	2.07	2	2	ND	5	9	1	2	2	26	.24	.12	20	31	.40	37	.06	2	1.51	.01	.10	2	3	29	6	4	2
LW OW 3.7N	1	5	6	18	.1	10	3	73	1.85	2	2	ND	4	7	1	2	2	32	.14	.08	19	23	.21	40	.04	2	1.10	.01	.06	2	3	28	3	5	2
LW OW 4N	1	7	6	29	.2	12	4	104	2.36	2	2	ND	4	8	1	2	2	37	.17	.16	16	31	.31	44	.07	2	1.11	.01	.08	2	4	24	4	6	2
LW OW 4.3N	1	5	5	22	.2	10	3	95	2.00	2	2	ND	3	6	1	2	2	32	.15	.08	19	20	.24	32	.05	3	1.00	.01	.06	2	2	28	3	5	2
LW OW 4.6N	1	11	4	22	.1	18	6	161	1.59	2	4	ND	5	13	1	2	2	21	.32	.09	23	32	.36	37	.05	2	.97	.01	.11	2	3	36	8	6	2
LW OW 4.9N	1	20	6	36	.1	27	9	187	2.44	4	2	ND	5	13	1	2	2	29	.29	.05	22	37	.64	48	.07	3	1.54	.01	.11	2	4	31	7	5	2
LW OW 5.1N	2	28	12	66	.2	45	13	807	3.52	5	2	ND	7	91	1	2	2	37	.80	.11	56	51	.92	112	.06	7	1.72	.02	.18	2	5	71	17	9	2
LW OW 5.15N	2	28	35	513	.8	2	14	2710	7.50	13	21	ND	2	3343	7	2	2	57	11.15	.31	103	1	2.12	825	.06	2	1.88	.02	1.49	2	5	186	80	24	2
~~[illegible]~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LW 0.6W 2.8N	1	61	15	48	.5	37	10	535	3.08	7	2	ND	2	61	1	2	2	32	1.25	.05	22	44	.61	94	.04	3	2.04	.01	.10	2	3	24	14	6	2
LW 0.6W 3.1N	1	39	9	47	.8	25	8	595	2.39	2	5	ND	2	153	1	2	2	24	2.26	.08	19	36	.54	108	.03	3	1.60	.01	.11	2	2	20	13	5	2
LW 0.6W 3.4N	1	19	11	43	.2	31	10	192	3.09	5	2	ND	3	49	1	2	2	29	.97	.04	18	44	.60	79	.04	4	2.03	.01	.11	2	3	26	8	5	2
LW 0.6W 3.7N	1	17	8	43	.4	30	9	353	2.79	4	2	ND	4	43	1	2	2	33	.83	.04	21	42	.67	79	.06	3	1.90	.01	.12	2	4	30	7	6	2
LW 0.6W 4N	1	15	8	44	.2	29	9	168	2.90	2	2	ND	4	13	1	2	2	32	.24	.04	20	45	.70	60	.07	3	1.99	.01	.12	2	4	28	4	5	2
LW 0.6W 4.3N	1	7	5	29	.3	12	4	104	2.05	3	2	ND	3	10	1	2	2	31	.15	.04	18	24	.33	31	.07	3	1.13	.01	.09	2	3	25	3	3	2
LW 0.6W 4.6N	1	7	8	50	.3	17	8	139	2.47	2	2	ND	4	9	1	2	2	33	.18	.08	16	34	.35	44	.06	3	1.52	.01	.09	2	4	23	4	5	2

CREEK SILT

GRANITE

WEST

LONNIE

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
LW 0.6W 4.9N	1	25	10	47	.2	36	11	424	2.91	6	2	ND	6	26	1	2	2	29	.67	.08	31	39	.76	61	.06	2	1.58	.02	.16	2	5	43	12	5	2
LW 0.6W 5.2N	1	18	11	47	.2	33	11	401	2.81	3	3	ND	6	33	1	2	2	31	.86	.07	28	42	.82	72	.06	2	1.70	.02	.22	2	4	39	9	5	2
LW 0.6W 5.5N	1	16	8	43	.1	30	9	188	3.14	2	3	ND	5	14	1	2	2	39	.33	.04	23	48	.78	68	.07	3	1.94	.02	.13	2	4	31	5	3	2
LW 0.6W 5.7N	1	10	4	20	.2	10	3	122	1.36	2	3	ND	8	16	1	2	2	21	.18	.03	62	20	.21	51	.05	2	.84	.03	.11	2	3	91	11	6	2
~~STD A-1~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LW 1.2W 2.8N	1	27	13	59	.2	46	14	524	4.06	4	3	ND	7	28	1	2	2	53	.53	.03	29	61	.75	124	.08	3	2.88	.02	.16	2	6	44	10	4	2
LW 1.2W 3.1N	2	14	10	47	.4	27	11	240	3.09	7	2	ND	5	23	1	2	2	58	.32	.02	25	50	.57	99	.09	4	2.36	.04	.21	2	5	31	5	4	2
LW 1.2W 3.4N	2	15	12	38	.3	27	11	218	3.38	4	2	ND	5	19	1	2	2	44	.26	.02	21	43	.53	89	.05	3	2.08	.02	.13	2	4	29	4	3	2
LW 1.2W 3.7N	1	19	11	58	.1	36	13	241	3.74	3	2	ND	6	18	1	2	2	42	.29	.03	27	51	.92	87	.08	2	2.77	.02	.21	2	4	35	5	3	2
LW 1.2W 4N	2	10	9	42	.2	17	6	131	2.86	2	2	ND	4	11	1	2	2	42	.15	.04	24	33	.44	60	.06	3	1.54	.01	.14	2	3	32	3	3	2
LW 1.2W 4.3N	1	11	9	42	.2	19	7	135	3.11	3	2	ND	5	10	1	2	2	42	.17	.05	24	37	.51	57	.05	2	1.84	.01	.10	2	3	32	3	3	2
LW 1.2W 4.6N	1	8	8	40	.2	18	7	143	2.58	2	3	ND	5	18	1	2	2	40	.32	.02	26	35	.43	61	.06	2	1.86	.02	.12	2	4	33	4	4	2
LW 1.2W 4.9N	1	27	10	54	.2	34	11	325	3.13	3	2	ND	8	21	1	2	2	31	.44	.08	38	43	.87	69	.08	2	2.05	.02	.25	2	4	53	11	4	2
LW 1.2W 5.2N	1	10	8	36	.3	23	7	128	2.84	2	2	ND	6	11	1	2	2	33	.24	.06	24	37	.51	51	.06	2	1.86	.01	.12	2	4	31	5	3	2
LW 1.2W 5.5N	1	17	8	43	.2	31	9	293	2.77	4	2	ND	6	29	1	2	2	32	.83	.08	28	44	.85	90	.06	3	1.84	.04	.24	2	4	37	9	4	2
LW 1.2W 5.7N	1	18	7	49	.2	35	11	372	2.83	3	3	ND	6	28	1	2	2	30	.84	.09	27	44	.96	66	.05	4	1.75	.02	.17	2	4	37	10	4	2
~~STD HA~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LW 1.8W 2.8N	1	15	15	47	.2	30	11	256	3.74	2	2	ND	5	22	1	2	2	45	.39	.02	25	46	.60	79	.05	3	2.38	.02	.14	2	4	30	6	4	2
LW 1.8W 3.1N	2	12	11	39	.3	21	9	172	3.62	6	2	ND	4	16	1	2	2	43	.33	.03	21	40	.43	77	.07	3	1.96	.02	.12	2	4	27	4	3	2
LW 1.8W 3.4N	2	10	8	40	.3	22	8	163	3.22	2	2	ND	5	15	1	2	2	49	.23	.03	25	36	.53	55	.07	3	1.67	.02	.16	2	3	34	4	3	2
LW 1.8W 3.7N	1	11	12	53	.3	24	9	206	3.28	2	3	ND	6	14	1	2	2	40	.24	.07	27	40	.61	83	.04	2	2.06	.02	.20	2	3	36	4	3	2
LW 1.8W 4N	1	8	10	61	.1	23	8	186	3.37	2	2	ND	5	12	1	2	2	37	.17	.05	26	38	.65	69	.03	3	2.17	.02	.17	2	3	34	4	4	2
LW 1.8W 4.3N	1	12	11	99	.2	29	11	196	3.62	4	2	ND	5	13	1	2	2	40	.24	.11	21	46	.59	85	.05	3	2.66	.02	.11	2	4	27	4	4	2
LW 1.8W 4.6N	1	8	7	74	.2	18	7	161	2.56	2	2	ND	4	12	1	2	2	33	.21	.06	27	29	.52	55	.04	3	1.68	.02	.15	2	2	36	4	5	2
LW 1.8W 4.9N	1	5	6	26	.2	10	4	134	1.62	2	2	ND	5	10	1	2	2	31	.17	.03	28	21	.28	53	.04	2	1.19	.02	.11	2	2	38	4	3	2
LW 1.8W 5.2N	2	21	14	52	.2	34	11	240	3.51	2	4	ND	8	21	1	2	2	35	.36	.04	25	39	.74	72	.03	2	2.20	.02	.20	2	3	31	5	3	2
LW 1.8W 5.5N	1	21	12	56	.2	32	10	240	3.53	7	2	ND	7	12	1	2	2	33	.23	.07	24	40	.81	73	.04	3	2.11	.02	.20	2	4	29	5	4	2
LW 1.8W 5.8N	1	28	13	41	.2	28	10	289	3.02	3	6	ND	5	33	1	2	2	30	.74	.03	27	41	.66	73	.03	3	2.18	.02	.14	2	3	30	9	3	2
LW 1.8W 6.1N	1	23	10	54	.2	34	11	330	2.96	7	2	ND	5	30	1	2	2	29	.77	.07	25	42	.94	75	.05	3	2.04	.02	.22	2	3	29	9	3	2
~~RE LW 1.2W 5.2N~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LW 2.4W 2.8N	1	22	12	41	.1	33	11	210	3.49	7	2	ND	5	22	1	2	2	43	.49	.02	20	46	.65	75	.06	3	2.25	.01	.10	2	5	25	6	3	2
LW 2.4W 3.1N	2	16	9	50	.2	28	10	186	3.57	6	2	ND	4	15	1	2	2	56	.29	.03	21	41	.59	68	.08	3	2.04	.02	.13	2	4	24	4	2	2
LW 2.4W 3.4N	1	9	9	87	.3	20	8	203	3.58	4	5	ND	5	13	1	2	2	43	.20	.12	23	36	.56	70	.05	4	1.91	.01	.14	2	3	27	4	2	2
LW 2.4W 3.7N	1	22	9	57	.1	31	11	258	3.79	4	2	ND	5	18	1	2	2	52	.32	.05	25	48	.82	100	.08	3	2.63	.03	.21	2	3	29	5	2	2
LW 2.4W 4N	1	36	8	51	.2	37	13	308	4.07	7	4	ND	4	22	1	2	2	71	.47	.06	19	53	1.02	98	.14	3	3.07	.02	.14	2	8	21	5	2	2
LW 2.4W 4.3N	1	18	8	53	.2	30	10	241	3.54	2	2	ND	6	14	1	2	2	45	.24	.04	26	48	.86	93	.07	2	2.57	.02	.18	2	4	30	4	2	2
LW 2.4W 4.6N	1	7	7	50	.2	15	7	167	2.22	2	2	ND	4	14	1	2	2	29	.24	.04	25	26	.47	77	.02	2	1.80	.02	.14	2	2	32	3	3	2
LW 2.4W 5.5N	1	29	11	53	.1	39	13	302	3.27	4	2	ND	12	10	1	2	2	25	.24	.05	25	37	.86	53	.04	2	2.05	.01	.17	2	4	32	7	3	2
LW 2.4W 5.8N	1	6	5	24	.1	11	4	107	1.60	2	2	ND	4	12	1	2	2	22	.18	.02	27	20	.32	64	.03	2	1.18	.01	.15	2	2	35	3	2	2
LW 2.4W 6.1N	2	21	13	53	.2	31	12	323	3.46	4	2	ND	8	12	1	2	2	30	.22	.04	23	37	.72	74	.03	3	2.06	.01	.21	2	3	30	5	2	2

BONNIE — WEST

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
LW 2.4W 6.4N	1	30	11	46	.3	35	11	804	2.68	7	10	ND	4	111	1	2	2	27	1.97	.08	19	55	.83	118	.03	2	1.62	.02	.16	2	2	32	11	2	2
LW 2.4W 6.9N	1	11	12	46	.3	20	7	506	3.38	2	2	ND	7	19	1	2	2	59	.21	.12	24	37	.60	148	.06	2	1.77	.02	.13	2	3	43	4	2	2
LW 2.6W 5.2N	1	20	15	58	.3	27	10	245	3.09	2	2	ND	6	12	1	2	2	40	.14	.05	18	47	.74	107	.02	2	2.35	.01	.14	2	3	33	3	2	2
LW 3W 2.8N	1	27	16	42	.3	62	13	320	3.57	7	3	ND	5	29	1	2	2	50	.45	.02	37	48	.60	101	.05	2	2.13	.02	.11	2	4	31	14	3	2
LW 3W 3.1N	1	15	6	38	.3	29	9	211	2.16	2	2	ND	6	49	1	2	2	24	.66	.02	11	28	.64	74	.01	2	1.45	.01	.15	2	2	19	2	2	2
LW 3W 3.4N	1	18	15	35	.3	28	9	175	3.44	5	3	ND	7	16	1	2	2	46	.21	.03	19	40	.53	71	.05	2	1.62	.02	.15	2	3	33	4	2	2
LW 3W 3.7N	1	13	12	36	.3	25	9	107	3.31	2	2	ND	5	21	1	2	2	50	.30	.02	15	40	.56	86	.05	2	1.73	.01	.13	2	3	26	3	2	2
LW 3W 4N	1	13	10	49	.3	26	9	177	3.79	2	2	ND	6	14	1	2	2	55	.15	.03	18	43	.60	80	.04	2	1.90	.01	.11	2	3	33	3	2	2
LW 3W 4.3N	1	10	9	49	.2	22	7	162	2.75	2	2	ND	7	14	1	2	2	34	.18	.05	.21	33	.66	57	.03	2	1.52	.01	.16	2	2	39	3	2	2
LW 3W 4.6N	1	10	11	34	.3	17	6	146	2.84	3	3	ND	5	17	1	2	2	44	.15	.04	18	27	.28	66	.02	2	1.14	.02	.12	2	2	35	3	2	2
LW 3W 4.9N	1	12	15	58	.3	29	12	233	4.07	2	2	ND	6	22	1	2	2	43	.28	.09	17	50	.68	106	.03	2	2.30	.01	.17	2	3	32	3	3	2
LW 3W 5.2N	1	15	16	71	.3	28	9	233	4.91	4	2	ND	8	11	1	2	3	47	.13	.20	21	46	.80	64	.03	2	2.23	.01	.13	2	3	38	4	4	2
LW 3W 5.5N	1	15	14	57	.3	26	10	438	3.98	3	2	ND	8	9	1	2	2	40	.09	.12	22	37	.72	69	.02	2	1.84	.01	.13	2	3	40	4	3	2
LW 3W 5.8N	1	22	20	63	.3	31	10	292	4.48	7	4	ND	10	10	1	2	3	40	.14	.17	22	43	.81	75	.03	2	2.13	.02	.17	2	3	40	5	3	2
LW 3W 6.1N	1	25	15	52	.3	39	13	364	3.62	4	3	ND	11	12	1	2	2	33	.23	.06	19	42	.84	85	.04	2	1.96	.01	.15	2	4	36	6	3	2
LW 3W 6.4N	1	43	21	59	.3	48	16	446	3.95	2	2	ND	14	22	1	2	3	35	.31	.08	43	50	.99	96	.04	2	2.24	.02	.26	2	4	71	16	5	2
LW 3.6W 2.8N	1	12	13	29	.3	27	7	146	2.86	2	2	ND	5	22	1	2	2	48	.33	.02	16	38	.39	67	.04	2	1.46	.02	.12	2	3	27	4	2	2
LW 3.6W 3.1N	1	15	13	41	.2	23	10	316	3.32	4	2	ND	5	22	1	2	2	57	.31	.02	18	41	.54	90	.04	2	1.81	.02	.14	2	3	29	5	2	2
LW 3.6W 3.4N	1	9	6	18	.2	15	4	98	1.97	4	2	ND	3	30	1	2	2	46	.61	.02	13	30	.32	51	.05	2	1.05	.02	.08	2	2	22	3	2	2
LW 3.6W 3.7N	1	14	10	38	.2	26	9	160	3.33	3	2	ND	5	12	1	2	2	49	.21	.03	17	42	.64	71	.06	2	1.74	.01	.10	2	4	29	4	2	2
LW 3.6W 4N	1	10	8	52	.2	24	9	203	2.89	4	2	ND	6	17	1	2	2	33	.20	.05	21	35	.72	74	.03	2	1.71	.02	.19	2	2	35	3	2	2
LW 3.6W 4.3N	1	13	20	55	.2	27	12	982	3.21	3	5	ND	8	26	1	2	2	33	.28	.04	21	37	.76	120	.02	2	1.91	.02	.22	2	2	39	4	2	2
LW 3.6W 4.9N	1	6	7	54	.2	25	8	161	2.62	2	3	ND	6	11	1	2	2	22	.11	.04	26	32	.87	59	.01	2	1.83	.01	.14	2	2	45	3	2	2
LW 3.6W 5.2N	1	14	10	53	.1	27	9	224	3.35	3	2	ND	6	15	1	2	2	38	.19	.05	22	39	.77	75	.03	2	2.00	.02	.16	2	2	37	4	2	2
LW 3.6W 5.5N	1	4	11	27	.2	12	4	89	1.73	2	2	ND	6	12	1	2	2	27	.11	.05	29	22	.41	67	.02	2	1.26	.01	.12	2	2	48	3	2	2
LW 3.6W 5.8N	1	12	11	50	.2	21	7	186	3.76	2	2	ND	7	12	1	2	2	45	.12	.09	23	41	.66	62	.05	2	1.85	.01	.12	2	3	37	3	2	2
LW 3.6W 6.1N	1	11	12	40	.2	18	6	212	3.00	2	3	ND	7	11	1	2	2	45	.26	.07	23	33	.58	68	.03	2	1.54	.01	.12	2	2	38	3	2	2
LW 3.6W 6.4N	1	16	13	51	.2	30	11	186	3.36	6	3	ND	7	20	1	2	2	46	.19	.03	22	43	.58	90	.07	2	2.06	.02	.10	2	4	35	4	2	2
LW 4.2W 2.8N	1	20	16	41	.2	28	9	229	3.19	4	2	ND	7	16	1	2	2	41	.22	.03	15	38	.61	94	.02	2	1.82	.02	.19	2	2	25	5	2	2
LW 3.6W 3.1N	2	20	12	38	.2	25	10	351	3.40	4	2	ND	4	19	1	2	2	63	.30	.03	17	45	.53	71	.06	2	1.83	.02	.12	2	3	29	4	2	2
LW 4.2W 3.1N	2	20	12	39	.2	25	10	355	3.43	2	2	ND	4	19	1	2	2	64	.30	.03	17	46	.53	71	.06	2	1.85	.02	.12	2	3	30	4	2	2
LW 4.2W 3.4N	1	15	10	45	.2	27	10	227	3.50	6	2	ND	5	22	1	2	2	59	.37	.03	16	47	.62	67	.07	2	1.79	.02	.13	2	4	28	4	2	2
LW 4.2W 3.7N	1	18	12	61	.3	35	11	239	3.74	2	2	ND	9	15	1	2	2	34	.17	.09	26	43	.95	98	.02	2	2.33	.02	.21	2	3	43	5	3	2
LW 4.2W 4N	1	10	8	50	.2	25	9	179	3.08	2	2	ND	6	9	1	2	2	28	.10	.03	20	31	.81	57	.01	2	1.78	.01	.08	2	2	34	3	2	2
LW 4.2W 4.3N	1	13	14	43	.2	25	9	195	3.50	2	2	ND	7	20	1	2	2	51	.23	.04	21	40	.68	59	.05	2	1.86	.02	.17	2	3	37	4	3	2
LW 4.2W 4.6N	1	11	11	53	.2	24	9	317	2.95	2	2	ND	7	21	1	2	2	29	.25	.04	20	34	.75	85	.02	2	1.74	.02	.18	2	2	33	4	2	2
STD A-1	1	30	[illegible]	170	.4	35	12	[illegible]	[illegible]	10	2	ND	2	[illegible]	1	2	2	57	.64	.10	8	76	.70	206	.08	[illegible]	2.24	.02	[illegible]	2	8	14	8	2	2

LONNIE WEST

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
LW 4.2W 4.9N	1	14	17	70	.3	30	10	315	3.06	3	2	ND	7	17	1	2	2	30	.22	.04	24	37	.86	106	.02	22	1.88	.02	.13	2	2	37	4	2	2
LW 4.2W 5.2N	1	22	13	62	.3	37	13	236	3.66	5	5	ND	11	9	1	2	2	24	.14	.06	20	42	1.10	58	.02	26	1.99	.01	.12	2	3	31	5	2	2
LW 4.2W 5.5N	1	20	11	59	.2	36	12	226	3.72	3	2	ND	9	11	1	2	2	24	.19	.08	19	38	1.08	43	.02	10	1.91	.01	.11	2	2	28	6	3	2
LW 4.2W 5.8N	1	7	10	58	.2	23	8	217	2.93	3	2	ND	6	10	1	2	2	29	.16	.08	21	35	.69	76	.02	20	1.61	.01	.10	2	2	31	3	2	2
LW 4.2W 6.1N	1	7	11	71	.3	23	9	214	3.51	6	2	ND	6	11	1	2	2	35	.14	.09	20	38	.69	86	.02	22	1.92	.01	.11	2	2	30	3	2	2
LW 4.2W 6.4N	1	17	10	47	.4	34	11	246	3.35	5	2	ND	8	93	1	2	2	46	.42	.02	18	60	.86	166	.13	33	1.93	.02	.44	2	4	27	4	2	2
LW 4.8W 2.8N	1	8	8	30	.3	18	10	736	2.64	3	2	ND	3	18	1	2	2	51	.43	.02	14	43	.44	86	.07	27	1.32	.02	.09	2	3	23	3	2	2
LW 4.8W 3.1N	1	14	10	43	.3	28	10	205	3.54	7	2	ND	5	18	1	2	2	63	.38	.04	15	46	.69	76	.07	25	1.77	.02	.09	2	4	24	4	2	2
LW 4.8W 3.4N	2	21	22	55	.3	21	10	389	3.00	2	2	ND	5	16	1	2	2	46	.30	.03	19	41	.63	90	.04	20	1.64	.01	.08	2	2	33	4	2	2
LW 4.8W 3.7N	1	7	10	35	.2	17	6	149	2.63	3	2	ND	5	11	1	2	2	52	.22	.03	20	31	.44	71	.04	8	1.31	.01	.07	2	2	31	3	2	2
LW 4.8W 4N	1	12	11	56	.2	23	9	288	3.00	2	2	ND	5	11	1	2	3	31	.16	.06	19	36	.64	63	.03	22	1.40	.01	.11	2	2	31	3	2	2
LW 4.8W 4.3N	1	18	16	62	.3	36	11	241	3.57	4	3	ND	9	14	1	2	2	34	.19	.07	25	41	.91	77	.03	22	1.96	.02	.18	2	2	37	5	2	2
LW 4.8W 4.6N	1	8	12	73	.3	25	10	359	3.18	2	2	ND	6	17	1	2	2	32	.27	.09	20	42	.73	118	.02	21	1.94	.01	.14	2	2	30	4	2	2
LW 4.8W 4.9N	1	10	14	78	.2	32	13	400	3.51	2	2	ND	7	16	1	2	2	31	.26	.07	23	40	.86	119	.02	22	2.26	.01	.17	2	2	34	4	2	2
LW 4.8W 5.2N	1	21	19	79	.2	37	16	1050	3.51	3	2	ND	6	20	1	2	2	31	.27	.10	21	50	.83	178	.02	22	2.36	.02	.21	2	2	30	5	2	2
LW 4	1	15	15	86	.3	33	13	733	3.58	2	2	ND	10	15	1	2	2	27	.20	.07	23	40	.95	154	.02	21	2.17	.01	.16	2	2	36	5	2	2
LW 4.8W 5.8N	1	12	11	57	.3	23	9	212	2.96	2	2	ND	6	16	1	2	2	37	.22	.07	22	41	.67	77	.04	24	1.63	.01	.11	2	3	32	4	2	2
LW 4.8W 6.1N	1	19	11	53	.2	34	13	317	3.54	3	3	ND	8	18	1	2	2	33	.29	.03	21	40	.92	91	.04	25	1.90	.01	.14	2	3	31	5	2	2
LW 4.8W 6.4N	1	48	19	69	.4	46	15	421	4.00	6	10	ND	8	52	1	2	2	40	.32	.03	46	56	.90	117	.04	25	2.42	.01	.17	2	3	46	15	5	2
LW 5.4W 3.1N	1	14	6	49	.3	25	10	293	2.92	3	2	ND	4	15	1	2	2	54	.33	.03	18	41	.64	103	.06	20	1.85	.02	.07	2	3	26	4	2	2
LW 5.4W 3.4N	1	18	8	45	.4	36	12	225	3.51	9	3	ND	5	19	1	2	2	57	.38	.03	18	58	.76	101	.08	28	2.05	.02	.09	2	5	27	4	2	2
LW 5.4W 3.7N	1	16	10	49	.2	27	11	218	3.78	3	2	ND	7	12	1	2	2	41	.19	.03	21	38	.87	59	.04	24	1.96	.01	.12	2	2	31	4	2	2
LW 5.4W 4N	1	19	12	44	.3	27	9	179	3.47	2	2	ND	7	11	1	2	2	45	.16	.03	22	45	.72	73	.03	19	1.74	.01	.12	2	2	32	4	2	2
LW 5.4W 4.3N	1	17	12	64	.2	33	12	424	3.63	5	2	ND	5	13	1	2	2	34	.25	.05	21	44	.93	69	.03	25	2.11	.01	.13	2	2	31	4	2	2
LW 5.4W 4.6N	1	6	12	50	.3	15	6	132	2.95	3	2	ND	4	13	1	2	2	44	.23	.10	16	38	.47	86	.03	23	1.60	.01	.07	2	2	23	3	2	2
LW 5.4W 4.9N	1	8	10	46	.2	19	7	249	2.58	2	2	ND	8	9	1	2	2	29	.14	.07	25	31	.54	85	.02	16	1.60	.01	.12	2	2	38	3	2	2
LW 5.4W 5.2N	1	9	8	35	.2	19	6	156	2.33	2	2	ND	7	11	1	2	2	29	.16	.06	28	39	.48	90	.02	17	1.53	.02	.11	2	2	42	4	2	2
LW 5.4W 5.5N	1	6	9	49	.2	20	7	180	2.53	2	2	ND	4	13	1	2	2	28	.20	.03	19	31	.67	85	.02	19	1.52	.01	.13	2	2	29	3	2	2
LW 5.4W 5.8N	1	18	9	50	.2	32	10	259	3.38	2	2	ND	7	16	1	2	2	32	.29	.04	17	47	.92	67	.04	24	1.76	.01	.14	2	3	26	5	2	2
LW 5.4W 6.1N	1	67	17	50	.4	53	13	451	3.44	7	17	ND	3	66	1	2	2	33	1.12	.07	75	49	.84	146	.03	25	2.16	.02	.13	2	3	35	41	7	2
LW 5.4W 6.4N	1	7	4	31	.2	14	5	155	1.73	2	3	ND	4	29	1	2	2	19	.26	.02	21	20	.39	76	.02	17	.93	.01	.08	2	2	33	3	2	2
LW 6W 3.1N	1	6	8	44	.3	15	6	122	2.15	6	2	ND	4	15	1	2	2	42	.32	.03	19	37	.44	77	.05	20	1.48	.01	.06	2	3	29	3	2	2
LW 6W 3.4N	1	12	10	34	.4	25	8	173	3.12	12	2	ND	4	13	1	2	2	63	.40	.04	15	42	.52	72	.08	24	1.49	.01	.07	2	4	22	4	2	2
LW 6W 3.7N	1	13	14	54	.3	22	8	176	3.51	4	2	ND	5	13	1	2	2	64	.22	.04	17	44	.55	65	.06	22	1.66	.01	.07	2	3	26	3	2	2
LW 6W 4N	1	26	18	62	.2	31	10	197	3.69	2	2	ND	14	24	1	2	2	27	.07	.07	57	36	.75	151	.07	25	1.90	.02	.63	2	3	74	3	3	2
LW 6W 4.3N	1	16	11	61	.3	36	12	231	3.81	2	2	ND	7	13	1	2	2	32	.22	.04	21	50	1.02	72	.02	24	2.34	.01	.12	2	2	31	4	2	2
LW 6W 4.6N	1	10	10	45	.3	22	7	167	2.95	2	2	ND	5	13	1	2	2	47	.28	.05	19	39	.66	75	.05	26	1.62	.01	.09	2	3	28	3	2	2
~~STD A-1~~	~~1~~	~~30~~	~~40~~	~~177~~	~~.4~~	~~31~~	~~12~~	~~971~~	~~2.70~~	~~8~~	~~2~~	~~ND~~	~~2~~	~~37~~	~~1~~	~~2~~	~~2~~	~~55~~	~~.64~~	~~.10~~	~~8~~	~~75~~	~~.79~~	~~207~~	~~.08~~	~~9~~	~~2.17~~	~~.02~~	~~.21~~	~~2~~	[illegible]	~~13~~	[illegible]	~~2~~	~~2~~

(Handwritten in left margin: WEST LONNIE)

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
LW 6W 4.9N	1	9	11	58	.3	20	9	202	3.74	4	2	ND	4	13	1	2	2	53	.22	.04	15	43	.56	68	.06	22	1.72	.01	.09	2	3	20	2	2	2
LW 6W 5.2N	1	28	21	49	.3	43	15	507	4.14	6	2	ND	6	27	1	2	2	56	.35	.04	22	60	.59	145	.06	22	2.31	.01	.11	2	3	25	6	3	2
LW 6W 5.5N	1	27	11	33	.2	37	9	195	2.56	2	3	ND	6	17	1	2	2	32	.39	.05	14	40	.66	67	.05	24	1.43	.01	.10	2	3	21	6	3	2
LW 6W 5.8N	1	56	16	36	.5	56	12	445	3.16	4	22	ND	3	66	1	2	2	34	1.15	.05	71	57	.74	142	.04	24	2.00	.01	.11	2	3	30	41	7	2
LW 6W 6.1N	1	48	14	93	.3	48	17	403	4.51	4	8	ND	9	65	1	2	2	32	.59	.05	54	42	1.01	139	.06	24	2.43	.01	.29	2	3	51	17	7	2
LW 6W 6.4N	1	8	10	36	.2	17	5	118	2.66	2	3	ND	6	14	1	2	2	53	.18	.02	19	36	.34	69	.06	21	1.16	.01	.12	2	2	26	3	2	2
VI-1	1	16	6	45	.2	18	6	230	2.25	2	4	ND	4	21	1	2	2	33	.29	.06	16	34	.73	108	.13	31	1.63	.02	.52	2	2	21	7	2	2
VI-2	1	18	7	46	.2	20	7	236	2.31	3	5	ND	4	22	1	2	2	34	.30	.06	15	45	.76	115	.13	33	1.73	.03	.56	2	2	20	7	2	2
VI-3	1	15	7	43	.2	18	6	241	2.28	2	5	ND	5	21	1	2	2	33	.29	.06	18	36	.73	111	.13	31	1.65	.03	.53	2	2	25	7	2	2
VI-4	1	12	5	34	.1	15	5	186	1.83	2	6	ND	3	14	1	2	2	27	.20	.03	10	43	.60	92	.11	35	1.32	.03	.41	2	2	13	4	2	2
VI-5	1	14	4	39	.2	16	6	252	2.19	2	5	ND	5	19	1	2	2	30	.26	.05	15	32	.67	103	.12	32	1.53	.03	.49	2	2	21	7	2	2
VI-6	1	14	5	37	.2	18	6	235	2.01	4	4	ND	5	19	1	2	2	28	.27	.05	18	51	.61	95	.11	29	1.42	.03	.43	2	2	25	7	2	2
VI-7	1	12	5	32	.1	15	5	205	1.85	2	5	ND	4	15	1	2	2	25	.23	.04	13	26	.54	85	.09	35	1.24	.03	.36	2	2	18	6	2	2
VI-8	1	12	5	29	.1	14	5	209	1.72	2	2	ND	3	13	1	2	2	24	.26	.04	9	37	.50	71	.09	33	1.11	.02	.29	2	2	12	6	2	2
VI-9	1	32	10	75	.2	23	9	361	4.08	2	5	ND	4	26	1	2	2	64	.28	.06	15	57	1.49	222	.28	30	3.21	.05	1.48	2	4	18	8	2	2
VI-10	1	14	6	40	.1	18	6	226	2.12	2	4	ND	5	17	1	2	2	30	.29	.06	19	46	.66	98	.11	33	1.51	.03	.44	2	2	27	8	2	2
VIA-1	1	16	4	38	.2	16	6	226	2.16	2	3	ND	5	16	1	2	2	30	.25	.06	17	34	.68	108	.13	30	1.51	.03	.55	2	2	24	8	2	2
VIA-2	1	14	5	39	.2	14	5	192	2.08	2	2	ND	3	11	1	2	2	31	.14	.03	8	42	.73	115	.14	31	1.53	.03	.64	2	2	10	4	2	2
VIA-3	1	15	5	38	.2	14	6	223	2.30	3	5	ND	4	13	1	2	2	32	.18	.04	13	32	.72	119	.13	34	1.59	.04	.65	2	2	17	5	2	2
VIA-4	1	14	4	31	.1	13	5	214	1.97	2	4	ND	4	11	1	2	2	26	.21	.05	11	47	.58	97	.11	32	1.30	.03	.49	2	2	15	6	2	2
VIA-5	1	14	5	36	.1	13	5	211	2.24	3	4	ND	4	12	1	2	2	30	.16	.04	12	32	.68	114	.13	33	1.51	.04	.62	2	2	15	5	2	2
VIA-6	1	17	5	39	.3	15	6	231	2.35	2	6	ND	6	13	1	2	2	34	.20	.05	18	51	.76	125	.14	32	1.65	.04	.71	2	3	26	7	2	2
VIA-7	1	17	8	42	.2	15	6	241	2.51	2	2	ND	5	13	1	2	2	36	.20	.05	15	38	.81	134	.15	33	1.76	.04	.75	2	2	20	6	2	2
VIA-8	1	15	5	37	.1	15	5	201	2.12	3	2	ND	4	12	1	2	2	31	.18	.04	14	50	.70	118	.13	34	1.54	.03	.63	2	2	18	6	2	2
VIA-9	1	17	5	41	.3	15	6	236	2.39	2	5	ND	5	13	1	2	2	34	.18	.05	13	36	.78	126	.15	32	1.66	.03	.70	2	2	18	6	2	2
VIA-10	1	20	6	41	.2	21	8	214	2.37	3	6	ND	6	15	1	2	2	33	.22	.05	20	59	.73	129	.13	33	1.68	.04	.64	2	3	28	7	2	2
VIA-11	1	14	5	32	.2	14	6	288	2.26	3	2	ND	17	14	1	2	2	28	.27	.07	55	33	.61	108	.11	32	1.43	.04	.53	2	3	85	15	4	2
VIA-12	1	14	4	31	.1	10	4	172	1.87	2	2	ND	3	10	1	2	2	26	.16	.04	8	33	.57	95	.11	32	1.23	.02	.49	2	2	10	4	2	2
VIA-13	1	27	8	54	.3	19	8	346	3.21	2	6	ND	11	21	1	2	2	46	.25	.07	39	43	.99	166	.19	32	2.30	.05	.95	2	4	59	13	4	2
VIA-14	1	16	4	37	.2	13	5	223	2.15	5	7	ND	4	11	1	2	2	33	.15	.03	10	48	.72	117	.14	34	1.54	.03	.66	2	2	13	5	2	2
VIA-15	1	21	8	49	.2	16	7	305	2.80	3	5	ND	8	16	1	2	2	42	.22	.05	28	39	.92	149	.18	31	2.05	.04	.85	2	3	41	9	3	2
VIA-16	1	23	5	49	.1	15	6	277	2.87	2	2	ND	5	14	1	2	2	45	.17	.05	17	56	.98	155	.19	35	2.10	.04	.92	2	3	23	6	2	2
VIA-17	1	22	8	48	.3	21	8	307	2.67	2	4	ND	11	17	1	3	2	40	.25	.06	34	39	.83	142	.16	32	1.96	.04	.72	2	4	51	11	3	2
VIA-18	1	26	8	55	.3	25	9	333	2.89	5	6	ND	11	19	1	2	2	45	.26	.07	36	56	.94	162	.18	33	2.22	.04	.82	2	4	52	11	3	2
VIAT-1	1	31	8	61	.2	20	9	344	3.77	5	6	ND	4	19	1	2	2	58	.21	.05	13	47	1.26	178	.24	31	2.63	.04	1.16	2	4	17	6	2	2
VIAT-2	1	35	9	69	.2	16	9	360	4.14	4	6	ND	3	17	1	2	2	65	.16	.06	11	60	1.42	208	.27	32	2.98	.05	1.44	2	4	13	6	2	2
VIAT-3	1	48	12	95	.1	20	10	477	5.68	2	6	ND	3	22	1	2	2	94	.11	.05	10	73	2.09	299	.40	27	4.37	.07	2.30	2	5	11	4	2	2
~~STD A-1~~	~~1~~	~~31~~	~~38~~	~~177~~	~~.1~~	~~36~~	~~12~~	~~977~~	~~2.01~~	~~10~~	~~2~~	~~ND~~	~~2~~	~~37~~	~~1~~	~~2~~	~~2~~	~~56~~	~~.64~~	~~.10~~	~~9~~	~~77~~	~~.80~~	~~200~~	~~.09~~	~~9~~	~~2.17~~	~~.02~~	~~.23~~	~~2~~	~~8~~	~~14~~	~~8~~	~~3~~	~~2~~

LONNIE WEST

VERGIL - SILT.

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
V2-10	1	8	4	21	.1	12	4	279	1.42	2	2	ND	4	13	1	2	2	20	.31	.05	12	31	.39	50	.06	27	.87	.02	.14	2	2	17	7	2	2
V2-11	1	9	13	34	.1	17	6	375	2.14	2	2	ND	5	44	1	2	2	26	.37	.05	30	26	.50	63	.06	32	1.04	.02	.10	2	3	39	6	2	2
V2-11A	1	9	4	23	.2	13	5	369	1.62	2	2	ND	6	15	1	2	2	22	.34	.05	17	39	.44	59	.07	34	.99	.02	.17	2	3	25	9	2	2
V2-12	1	11	12	37	.3	19	8	407	2.59	2	2	ND	12	97	1	2	2	35	.77	.13	102	33	.59	63	.07	33	1.30	.03	.09	2	5	121	12	7	2
V2-13	1	12	12	39	.3	22	8	520	2.56	2	2	ND	7	74	1	2	2	36	.67	.09	78	39	.64	61	.08	31	1.32	.02	.07	2	5	93	10	5	2
V2-14	1	11	17	41	.3	18	6	402	2.24	2	3	ND	8	106	1	2	2	28	.67	.11	80	27	.50	77	.06	33	1.18	.02	.12	2	3	96	11	6	2
V2-15	1	10	15	37	.3	18	6	417	2.14	4	2	ND	10	114	1	2	2	28	.69	.14	111	46	.48	67	.06	33	1.11	.03	.10	2	3	131	12	7	2
V2-16	1	10	15	36	.2	16	6	462	2.12	2	3	ND	7	78	1	2	2	25	.47	.08	55	25	.45	68	.05	34	1.00	.02	.10	2	2	69	8	5	2
V2-17	2	11	15	42	.3	18	5	342	1.93	2	3	ND	10	138	1	2	2	24	.75	.15	128	48	.41	77	.05	32	1.07	.03	.14	2	3	148	14	10	2
V2-18	1	10	16	43	.3	16	7	489	2.19	2	2	ND	8	122	1	2	2	26	.64	.16	80	25	.45	65	.05	34	.98	.02	.10	2	3	102	11	7	2
V2-20	2	12	21	53	.2	21	8	770	2.43	2	3	ND	9	111	1	2	2	28	.56	.12	61	43	.48	90	.05	30	1.08	.02	.14	2	3	81	10	6	2
V2-21	1	10	18	49	.3	17	7	611	2.35	2	2	ND	9	130	1	2	2	26	.62	.17	86	24	.43	80	.05	29	1.01	.03	.14	2	3	113	11	8	2
V2-22	2	14	23	58	.2	22	8	784	2.58	3	3	ND	9	126	1	2	2	29	.63	.15	87	48	.48	89	.05	26	1.08	.02	.16	2	3	112	12	8	2
V2-23	1	8	13	40	.2	16	7	805	2.29	2	2	ND	7	97	1	2	2	27	.52	.12	71	23	.43	89	.05	32	.97	.03	.14	2	3	95	9	8	2
V2-24	2	8	16	40	.2	18	7	1003	2.23	2	3	ND	8	89	1	2	2	29	.54	.10	88	46	.44	94	.05	33	1.04	.03	.15	2	3	107	9	9	2
V2-25	1	10	12	44	.4	19	7	1090	2.33	3	8	ND	6	125	1	2	2	27	.68	.10	66	30	.47	109	.05	27	1.35	.03	.17	2	2	82	13	8	2
V3-10	1	11	8	34	.2	27	8	732	2.13	2	2	ND	5	29	1	2	2	27	.50	.04	23	48	.67	55	.06	27	1.17	.02	.08	2	3	29	6	2	2
V3-11	1	16	12	37	.3	31	9	423	2.48	7	5	ND	5	42	1	2	2	30	.64	.03	21	44	.75	66	.06	29	1.44	.03	.12	2	3	25	8	2	2
VT-19	2	12	20	46	.4	19	7	585	2.38	3	2	ND	11	142	1	2	2	28	.72	.19	116	48	.48	73	.05	30	1.11	.03	.12	2	4	142	12	8	2
ON 30M	5	8	20	52	.3	20	6	183	3.45	5	2	ND	8	40	1	2	2	74	.14	.02	29	67	.63	151	.20	33	1.51	.02	.41	2	4	37	4	2	2
ON 40M	21	7	29	85	.2	24	7	238	3.88	5	2	ND	12	66	1	2	2	77	.13	.02	36	72	.63	96	.23	24	1.63	.02	.48	2	5	42	3	3	2
ON 50M	18	14	23	101	.2	34	14	693	4.63	4	2	ND	15	127	1	2	2	76	.15	.02	80	79	.92	179	.25	33	2.17	.03	.72	2	5	89	5	6	2
ON 60M	10	10	16	61	.2	21	9	592	4.01	3	5	ND	15	65	1	2	2	69	.09	.02	66	80	.85	204	.29	32	1.80	.03	.54	2	5	73	4	6	2
ON 70M	10	7	22	121	.3	24	11	1111	4.13	2	2	ND	12	92	1	2	2	76	.17	.03	102	81	.89	236	.30	24	1.69	.03	.89	2	5	105	4	7	2
ON 80M	19	9	37	111	.4	23	10	837	4.63	4	2	ND	23	65	1	2	2	74	.10	.04	129	83	.97	234	.28	35	1.52	.05	.70	2	5	150	6	9	2
ON 90M	19	47	21	96	.8	50	16	1488	5.90	9	2	ND	22	495	1	2	3	75	.32	.13	1146	90	1.46	360	.30	23	2.38	.03	1.16	2	9	943	41	47	2
ON 100M	15	22	9	72	.2	42	12	418	6.58	2	2	ND	14	78	1	2	2	95	.11	.04	90	127	1.58	257	.36	22	3.05	.05	.93	2	6	97	10	9	2
ON 110M	3	24	15	40	.4	31	10	1587	3.73	2	2	ND	6	387	1	2	2	61	1.11	.35	271	53	.83	342	.11	29	1.86	.03	.31	2	6	356	37	23	2
ON 115M	3	31	14	95	.6	35	10	2425	4.68	6	2	ND	2	664	1	2	2	75	1.17	.23	581	78	1.46	740	.12	28	2.55	.04	.67	2	4	552	76	33	2
ON 120M	2	34	25	57	.4	39	12	1021	4.42	6	4	ND	13	186	1	2	2	70	.71	.20	151	58	.87	251	.12	21	2.20	.03	.26	2	8	299	24	20	2
ON 125M	3	18	27	74	.4	35	15	1075	5.50	7	8	ND	8	333	1	2	2	149	1.29	.54	127	48	.64	280	.08	21	2.82	.02	.20	2	7	294	24	23	2
ON 130M	1	7	20	38	.3	10	4	390	2.04	5	5	ND	13	303	1	2	2	30	.44	.12	95	22	.29	247	.06	24	1.08	.02	.14	2	3	112	3	19	2
ON 140M	2	16	27	85	.3	26	10	898	4.57	6	9	ND	12	307	1	2	2	60	.52	.20	131	46	.86	261	.11	26	2.75	.02	.26	2	5	192	14	21	2
ON 150M	6	68	24	94	.7	51	11	2633	4.47	12	12	ND	5	290	1	2	2	64	1.33	.23	268	48	.85	240	.13	21	2.71	.02	.21	2	6	286	72	32	2
ON 160M	4	12	18	90	.3	19	7	249	3.65	4	5	ND	8	125	1	2	2	79	.36	.04	52	45	.50	173	.15	19	1.63	.02	.29	2	4	66	6	8	2
ON 170M	7	33	18	104	.2	37	16	340	5.16	2	3	ND	6	37	1	2	2	91	.24	.04	32	58	1.16	128	.14	19	2.59	.02	.20	2	4	36	7	5	2
[illegible]	[illegible]																																		

VERGIL SILT

ORIENTATION LINE

TAYLOR GRID

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
ON 180M	4	10	13	40	.3	15	5	148	2.67	2	2	ND	6	28	1	2	2	67	.21	.02	57	35	.30	78	.11	16	1.09	.02	.15	2	3	64	3	5	2
ON 190M	4	37	19	67	.3	36	11	308	5.01	7	2	ND	8	55	1	2	2	88	.25	.05	64	55	.82	111	.17	22	2.49	.03	.16	2	7	71	7	7	2
ON 200M	1	5	12	26	.3	10	3	97	2.18	3	2	ND	7	25	1	2	2	63	.13	.02	47	26	.15	64	.07	10	.96	.02	.09	2	3	57	3	4	2
119	4	18	28	110	.9	19	7	341	4.24	7	2	ND	6	95	1	2	2	106	.47	.07	90	41	.55	102	.11	18	2.52	.03	.10	2	4	96	7	8	2
135	4	22	61	176	.8	23	12	605	5.29	8	4	ND	10	154	1	2	2	104	.62	.20	165	43	.82	105	.11	21	3.23	.03	.11	2	5	233	16	26	2
149.5	4	17	42	175	.7	17	12	913	6.33	12	2	ND	10	285	1	2	2	123	1.08	.44	191	45	1.14	154	.11	25	3.04	.04	.17	2	5	251	22	24	2
165	4	21	40	251	1.2	23	8	359	5.83	11	2	ND	16	49	2	2	2	111	.24	.20	201	58	.72	96	.09	22	2.79	.02	.11	2	5	206	8	15	2
187.5	3	15	45	246	.8	19	10	1437	5.06	7	2	ND	13	84	2	2	2	129	.34	.19	237	55	.80	137	.12	20	2.27	.03	.21	2	4	240	10	18	2
200.5	2	9	68	176	.6	13	10	709	4.88	6	2	ND	15	252	1	2	2	96	.71	.31	214	40	.65	162	.13	23	1.97	.04	.29	2	5	250	10	24	2
215.8	2	11	52	151	.6	15	10	1022	5.08	8	2	ND	9	225	1	2	2	87	.77	.31	230	38	.75	168	.12	2	2.02	.02	.28	2	4	278	13	29	2
230.8	2	16	41	171	.6	18	11	1570	5.21	8	2	ND	8	229	1	2	2	83	.83	.37	215	39	.80	204	.12	2	2.22	.03	.37	2	4	273	16	33	2
243.5	1	55	27	79	.3	72	22	563	5.92	19	2	ND	18	25	1	2	2	23	.25	.09	51	48	.98	72	.01	2	2.66	.02	.12	2	4	79	17	7	4
579.6	1	75	17	46	.6	36	9	606	2.26	5	15	ND	3	104	1	2	2	20	1.92	.09	32	36	.78	39	.03	3	1.36	.01	.09	2	2	27	33	5	2
916.3	6	51	118	95	.4	49	18	631	4.72	8	2	ND	37	31	1	2	2	29	.37	.10	22	35	.44	121	.03	17	1.81	.02	.19	2	5	41	8	3	2
7,-941.4	5	436	94	146	1.2	100	39	1241	12.55	12	8	ND	32	43	1	3	2	73	.19	.14	43	69	1.24	131	.02	6	3.56	.02	.23	2	7	52	15	2	2
119E	2	24	37	145	.5	20	12	1579	5.85	10	2	ND	5	237	1	2	2	158	1.04	.42	160	44	1.05	146	.14	23	2.96	.03	.21	2	5	211	17	22	2
135E	1	21	34	208	.6	23	10	940	5.42	9	2	ND	5	152	1	2	2	113	.69	.30	288	43	1.10	136	.14	21	3.09	.02	.18	2	5	316	15	22	2
149.5E	3	14	49	146	.5	17	8	772	5.21	5	2	ND	15	54	1	2	2	146	.27	.13	175	58	.66	98	.15	28	1.98	.04	.19	2	5	184	8	15	2
165.2E	2	22	31	166	.7	24	8	486	4.77	9	2	ND	10	61	1	2	2	123	.39	.11	199	57	.83	111	.15	23	2.56	.04	.15	2	6	202	6	13	2
187.5E	2	14	32	139	.6	16	9	873	4.59	4	2	ND	10	111	1	2	2	116	.41	.21	392	43	.70	107	.11	26	1.94	.03	.21	2	4	381	11	30	2
200.5E	3	25	50	190	.7	29	10	693	5.46	12	2	ND	11	142	1	2	2	143	.67	.27	223	62	1.13	107	.13	28	2.82	.03	.26	2	5	250	13	18	2
215.3E	2	13	97	280	.6	18	11	907	5.45	10	2	ND	12	260	1	2	2	99	.96	.42	209	43	1.11	117	.12	23	3.03	.04	.27	2	5	274	21	23	2
230.8E	2	12	49	273	.8	16	7	574	4.82	2	2	ND	8	84	2	2	3	99	.36	.22	273	36	.65	93	.07	25	2.15	.03	.16	2	4	295	9	23	2
135W	3	16	25	110	.5	23	12	1144	3.80	9	5	ND	9	123	1	2	2	70	.58	.06	56	47	.61	133	.09	19	2.54	.03	.12	2	4	78	8	5	2
149.5W	5	12	19	93	.5	19	7	236	3.07	3	2	ND	14	53	1	2	2	62	.21	.05	111	39	.30	150	.08	22	1.50	.03	.12	2	3	131	8	7	2
165.2W	4	16	19	54	.6	21	6	205	3.32	2	2	ND	14	26	1	2	2	57	.16	.03	85	43	.33	119	.07	22	1.58	.03	.16	2	3	103	6	5	2
187.5W	5	21	71	221	1.0	19	12	736	6.96	14	2	ND	18	240	1	2	2	71	.98	.55	225	32	.29	106	.03	20	1.92	.02	.09	2	5	276	27	24	2
200.5W	10	34	45	177	.8	40	13	695	5.11	12	2	ND	14	82	1	2	2	40	.32	.19	205	36	.21	52	.01	13	1.39	.02	.07	2	3	216	24	12	2
215.3W	8	28	24	144	.4	35	12	521	5.23	4	2	ND	18	48	1	2	2	60	.19	.14	129	49	.26	67	.01	19	1.40	.02	.11	2	3	148	9	11	2
230.8W	5	23	44	133	.8	28	10	680	4.93	14	4	ND	23	59	1	2	2	62	.10	.16	100	39	.22	91	.01	18	1.70	.03	.10	2	4	119	7	9	2
~~STD A-1~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS ON OW	1	13	12	47	.5	16	5	137	3.81	3	3	ND	7	15	1	2	2	76	.17	.10	28	38	.42	72	.07	14	1.99	.02	.15	2	3	37	4	2	2
VS ON 0.3W	1	18	12	35	.5	12	3	92	2.21	2	2	ND	4	12	1	2	2	39	.12	.04	38	23	.32	70	.04	15	1.47	.02	.19	2	2	54	5	2	2
VS ON 0.6W	2	42	15	62	1.2	23	8	256	4.12	2	2	ND	6	17	1	2	2	65	.16	.07	41	35	.38	107	.03	15	1.81	.02	.15	2	2	53	10	3	2
VS ON 0.9W	1	16	7	50	.3	17	5	156	2.42	2	2	ND	3	19	1	2	2	38	.22	.03	43	33	.61	69	.03	19	1.75	.02	.15	2	2	56	10	3	2
VS ON 1.2W	1	21	15	62	.4	21	9	333	3.05	2	3	ND	4	37	1	2	2	47	.38	.04	48	39	.72	91	.03	17	2.12	.02	.16	2	2	47	15	2	2
VS ON 1.5W	1	16	12	65	.3	24	9	272	3.14	3	2	ND	6	21	1	2	2	41	.23	.03	40	44	.87	78	.05	23	2.25	.02	.16	2	2	49	9	2	2
VS ON 1.8W	1	12	11	48	.3	16	6	239	2.30	2	2	ND	4	27	1	2	2	41	.30	.03	34	34	.60	82	.06	20	1.75	.02	.12	2	2	39	7	2	2
VS ON 2.1W	1	12	12	46	.3	19	7	265	2.55	2	2	ND	6	19	1	2	2	35	.20	.03	39	38	.60	90	.03	16	1.90	.02	.13	2	2	44	8	2	2
VS ON 2.4W	1	11	11	48	.3	18	7	255	2.62	3	2	ND	7	21	1	2	2	35	.26	.07	35	34	.54	69	.05	20	1.50	.02	.12	2	2	45	6	2	2
VS ON 2.7W	2	32	32	168	1.2	40	12	2308	6.84	13	32	ND	7	299	1	2	2	109	1.16	.34	178	50	.77	148	.06	20	3.02	.02	.15	2	5	311	52	38	2
VS ON 3W	2	29	30	74	.7	28	11	280	4.10	6	3	ND	7	75	1	2	2	63	.45	.11	45	45	.75	122	.08	19	2.60	.02	.14	2	4	54	9	5	2
VS ON 3.3W	1	23	15	58	.4	20	7	251	3.97	4	2	ND	8	42	1	2	2	67	.40	.21	39	41	.64	60	.10	22	2.06	.02	.16	2	5	52	8	5	2
VS ON 3.6W	1	11	13	47	.3	21	6	187	2.73	2	2	ND	8	38	1	2	2	31	.21	.04	47	35	.58	95	.02	18	1.85	.02	.12	2	2	61	6	3	2
VS ON 3.9W	7	11	11	60	.3	17	7	211	3.75	2	3	ND	18	71	1	2	2	48	.27	.03	57	50	.47	104	.11	22	1.58	.03	.26	2	4	73	7	4	2
VS ON 4.2W	6	26	66	160	.6	27	11	301	6.39	11	2	ND	10	47	1	2	2	72	.30	.08	113	51	.44	93	.09	17	2.25	.02	.10	2	6	119	6	7	3
VS ON 4.5W	2	14	16	62	.3	19	6	154	3.15	4	2	ND	6	61	1	2	2	55	.32	.03	33	33	.22	81	.02	12	1.29	.02	.11	2	2	45	4	2	2
VS ON 4.8W	2	78	26	39	1.5	39	11	2428	3.27	4	24	ND	2	374	1	2	2	24	1.61	.11	88	36	.41	179	.01	16	2.23	.02	.11	2	3	67	58	10	2
VS ON 5.1W	1	129	21	32	1.6	49	8	1487	2.55	2	36	ND	2	569	1	2	2	25	2.61	.19	171	36	.43	165	.01	19	2.30	.01	.07	2	3	58	101	13	2
VS ON 5.4W	1	141	12	14	2.2	63	5	1166	1.16	2	39	ND	2	810	1	2	2	8	4.20	.20	186	24	.34	199	.01	23	1.30	.01	.05	2	2	11	92	8	2
VS ON 5.7W	1	57	5	13	1.1	47	2	922	.39	2	15	ND	2	727	1	2	2	4	4.91	.13	57	10	.37	154	.01	28	.61	.01	.02	2	2	4	26	2	2
VS ON 6W	1	38	19	61	.4	42	14	1041	4.28	5	9	ND	11	145	1	2	2	34	.77	.05	51	48	.84	143	.02	14	2.42	.01	.15	2	3	52	18	4	2
VS ON 6.3W	1	14	15	44	.2	27	10	416	3.31	3	2	ND	7	86	1	2	2	31	.44	.03	36	38	.57	108	.01	11	1.75	.01	.15	2	2	40	7	3	2
VS ON 6.6W	1	27	15	55	.3	46	12	375	3.98	2	2	ND	7	83	1	2	2	54	.54	.03	32	49	.83	130	.06	16	2.97	.02	.15	2	5	37	9	3	2
VS ON 6.9W	1	11	9	35	.2	16	5	149	2.50	2	2	ND	6	30	1	2	2	46	.22	.02	42	29	.36	81	.03	11	1.29	.02	.13	2	2	54	4	2	2
~~STD A-1~~	~~1~~	~~30~~	~~36~~	~~174~~	~~.4~~	~~31~~	~~12~~	~~740~~	~~2.76~~	~~11~~	~~2~~	~~ND~~	~~2~~	~~36~~	~~1~~	~~2~~	~~2~~	~~55~~	~~.64~~	~~.09~~	~~7~~	~~75~~	~~.77~~	~~277~~	~~.08~~	~~7~~	~~2.10~~	~~.02~~	~~.20~~	~~2~~	~~8~~	~~12~~	~~7~~	~~2~~	~~2~~
VS 0.6N OW	1	18	13	41	.6	13	4	109	2.97	3	2	ND	4	32	1	2	2	75	.37	.05	24	32	.43	61	.13	17	1.79	.02	.10	2	3	32	4	3	2
VS 0.6N 0.3W	1	23	12	48	.4	18	6	165	3.58	5	3	ND	6	20	1	2	2	81	.22	.05	29	37	.60	70	.10	18	2.03	.02	.15	2	3	42	6	4	2
VS 0.6N 0.6W	1	18	10	42	.7	14	4	214	2.44	3	2	ND	5	30	1	2	2	47	.26	.06	35	28	.39	125	.09	19	1.60	.02	.26	2	2	47	7	2	2
VS 0.6N 0.9W	2	32	31	81	1.0	22	22	2276	4.26	2	6	ND	3	48	1	2	2	64	.51	.07	53	44	.51	102	.07	18	2.58	.02	.11	2	3	48	17	5	2
VS 0.6N 1.2W	1	19	15	85	.5	24	13	676	3.60	4	2	ND	7	33	1	2	2	56	.36	.04	40	44	.78	98	.09	18	2.50	.02	.14	2	3	55	10	3	2
VS 0.6N 1.5W	1	18	10	59	.4	23	9	350	3.04	2	2	ND	5	34	1	2	2	44	.38	.04	40	42	.89	96	.06	20	2.25	.02	.20	2	2	44	12	4	2
VS 0.6N 1.8W	1	17	12	50	.4	25	9	343	2.81	2	2	ND	3	32	1	2	2	36	.36	.04	40	42	.83	89	.04	19	2.02	.02	.16	2	2	43	14	4	2
VS 0.6N 2.1W	1	13	9	42	.3	18	9	328	2.53	2	2	ND	3	36	1	2	2	42	.41	.03	33	39	.61	97	.06	19	1.66	.02	.17	2	2	36	8	4	2
VS 0.6N 2.4W	1	14	14	50	.2	19	7	224	2.84	2	3	ND	6	29	1	2	2	43	.31	.07	31	33	.48	97	.06	19	1.49	.02	.12	2	3	42	5	2	2
VS 0.6N 2.7W	1	22	14	67	.5	32	11	474	3.33	2	17	ND	3	159	1	2	2	37	.94	.06	39	48	.79	132	.05	21	2.40	.02	.21	2	2	35	18	7	2
VS 0.6N 3W	2	20	28	101	.6	25	12	599	4.19	3	3	ND	7	101	1	2	2	62	.57	.13	51	51	.62	174	.06	20	2.44	.02	.24	2	3	63	7	9	2
VS 0.6N 3.3W	1	30	19	97	.3	36	15	334	4.49	2	5	ND	9	109	1	2	2	55	.49	.08	44	57	1.14	144	.08	22	3.30	.02	.32	2	4	59	9	7	2
VS 0.6N 3.6W	1	62	5	22	2.4	33	5	1101	.81	2	82	ND	2	1495	2	2	2	9	6.65	.29	75	29	.19	198	.01	30	.94	.01	.04	2	2	13	51	4	2

SOUTH

VERGIL

VERGIL — SOUTH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS 0.6N 3.9W	1	18	18	22	.6	11	5	157	1.54	2	2	ND	2	393	1	2	2	21	1.39	.05	24	22	.17	144	.01	9	1.05	.01	.07	2	2	34	4	6	2
VS 0.6N 4.2W	6	149	68	127	3.5	151	13	6711	2.89	2	55	ND	2	646	6	2	4	19	2.72	.10	257	38	.34	306	.03	21	2.06	.02	.10	2	4	25	93	18	2
VS 0.6N 4.5W	2	16	26	50	.2	23	7	290	3.18	2	2	ND	6	123	1	2	3	40	.56	.03	32	40	.37	110	.03	15	1.36	.02	.08	2	3	38	6	8	2
VS 0.6N 4.8W	1	7	7	20	.2	8	3	132	1.34	2	2	ND	4	39	1	2	3	31	.32	.02	35	19	.14	79	.01	6	1.30	.02	.07	2	2	55	3	8	2
VS 0.6N 5.1W	1	22	21	62	.3	33	14	553	4.16	2	2	ND	6	132	1	2	3	55	.73	.06	38	50	.83	110	.07	20	2.17	.02	.12	2	4	57	7	11	2
VS 0.6N 5.4W	2	27	25	85	.2	40	17	405	5.73	2	2	ND	9	96	1	4	5	66	.49	.07	42	59	.82	109	.03	15	2.84	.02	.11	2	4	56	10	11	2
VS 0.6N 5.7W	1	23	24	40	.4	20	9	263	3.01	2	2	ND	5	125	1	2	4	30	.66	.05	35	29	.33	129	.01	8	1.72	.01	.10	2	2	42	7	9	2
VS 0.6N 6W	1	24	19	58	.4	38	12	417	3.91	2	2	ND	5	149	1	2	5	42	.81	.05	49	51	.84	116	.02	14	2.46	.02	.12	2	3	45	11	12	2
VS 0.6N 6.3W	2	18	20	61	.2	33	11	317	4.73	2	2	ND	9	67	1	3	5	42	.41	.04	53	45	.94	74	.01	13	2.42	.01	.13	2	3	68	8	13	2
VS 0.6N 6.6W	2	344	42	45	2.6	113	16	2103	5.00	2	25	ND	2	229	1	2	6	37	1.62	.15	370	59	.62	117	.02	15	2.87	.01	.10	2	6	85	154	27	2
VS 0.6N 6.9W	2	224	22	29	2.2	77	10	1571	3.15	2	34	ND	2	470	1	2	4	23	3.35	.27	604	45	.43	114	.01	20	2.60	.01	.06	2	6	49	246	35	2
VS 1.2N 0W	1	7	13	17	.3	6	2	93	1.05	2	2	ND	5	21	1	2	3	19	.20	.06	68	17	.15	57	.04	19	.73	.02	.06	2	2	80	5	11	2
VS 1.2N 0.3W	1	6	14	25	.5	8	3	144	1.64	6	2	ND	4	33	1	2	2	28	.26	.14	59	21	.25	87	.05	16	1.01	.02	.09	2	2	72	5	5	2
VS 1.2N 0.6W	1	11	14	44	.5	13	6	1153	2.05	3	2	ND	2	49	1	2	2	42	.83	.04	23	28	.45	104	.08	17	1.48	.01	.08	2	2	31	5	2	2
VS 1.2N 0.9W	1	7	13	28	.4	8	3	144	1.59	2	2	ND	3	27	1	2	2	30	.32	.06	52	21	.28	61	.05	19	.92	.02	.12	2	2	60	4	3	2
VS 1.2N 1.2W	1	9	13	41	.3	14	6	354	2.21	4	2	ND	5	34	1	2	2	36	.38	.05	53	30	.51	97	.06	19	1.45	.02	.11	2	2	61	5	4	2
VS 1.2N 1.5W	1	18	18	57	.5	21	8	526	3.10	2	2	ND	3	50	1	2	2	48	.70	.05	41	42	.64	165	.06	19	2.13	.02	.21	2	2	45	9	6	2
VS 1.2N 1.8W	1	10	8	32	.3	11	5	204	1.89	2	2	ND	3	28	1	2	2	32	.42	.05	33	26	.34	82	.05	20	1.14	.02	.11	2	2	40	4	2	2
VS 1.2N 2.1W	1	30	20	85	.6	32	14	1188	4.17	9	2	ND	4	57	1	2	2	62	.85	.07	27	54	.84	215	.08	18	3.27	.02	.30	2	3	43	10	6	2
VS 1.2N 2.4W	1	36	20	77	.8	35	13	1365	4.03	5	5	ND	2	82	1	2	2	53	1.17	.08	30	51	.75	223	.05	17	2.85	.02	.26	2	2	35	17	6	2
VS 1.2N 2.7W	3	17	20	66	.4	15	5	218	3.41	5	2	ND	12	31	1	2	2	63	.22	.09	96	37	.45	102	.07	21	1.57	.03	.18	2	3	110	7	10	2
VS 1.2N 3W	3	16	18	63	.5	15	6	206	3.38	3	2	ND	7	34	1	2	2	66	.24	.10	88	36	.43	132	.06	18	1.53	.02	.16	2	3	105	7	9	2
VS 1.2N 3.3W	1	38	18	71	1.8	34	10	704	3.57	5	12	ND	2	300	1	2	2	44	1.63	.13	68	45	.71	217	.03	16	2.98	.02	.17	2	3	61	51	11	2
VS 1.2N 3.6W	1	16	4	45	.5	10	2	280	.55	2	86	ND	2	1136	1	2	2	7	4.75	.09	13	10	.19	128	.01	35	.46	.03	.04	2	2	12	11	2	2
VS 1.2N 3.9W	1	47	16	56	2.7	34	8	1630	2.45	5	103	ND	2	811	2	2	2	27	3.28	.21	142	36	.42	181	.01	24	2.40	.02	.07	2	3	87	86	18	2
VS 1.2N 4.2W	1	37	19	48	1.2	19	9	650	2.82	2	50	ND	2	768	1	2	2	29	2.78	.08	20	26	.29	137	.02	16	1.32	.01	.06	2	2	28	7	5	2
VS 1.2N 4.5W	1	16	9	60	.4	32	10	325	3.43	2	5	ND	5	148	1	2	2	16	.55	.05	32	37	.68	115	.01	13	1.81	.01	.15	2	2	36	6	5	2
VS 1.2N 4.8W	1	14	21	31	.4	15	4	107	2.74	3	3	ND	6	37	1	2	2	58	.18	.03	25	24	.15	47	.04	14	1.02	.01	.06	2	2	34	3	4	2
VS 1.2N 5.1W	1	15	21	53	.5	24	8	193	4.81	2	2	ND	7	13	1	2	2	46	.23	.10	25	44	.68	74	.05	13	2.37	.01	.10	2	3	32	3	4	2
VS 1.2N 5.4W	1	23	21	79	.3	26	9	282	5.29	3	2	ND	9	15	1	2	2	56	.16	.13	30	48	.79	82	.04	14	2.72	.02	.16	2	4	36	4	4	2
VS 1.2N 5.7W	1	7	10	36	.3	17	5	186	2.44	2	2	ND	5	10	1	2	2	33	.10	.04	29	28	.42	73	.01	8	1.54	.01	.11	2	2	41	3	4	2
VS 1.2N 6W	1	6	10	28	.3	12	4	120	2.12	3	3	ND	5	12	1	2	2	34	.12	.04	37	23	.27	66	.01	9	1.38	.02	.10	2	2	48	3	5	2
VS 1.2N 6.3W	1	11	16	35	.3	12	5	146	3.13	2	2	ND	7	17	1	2	2	67	.21	.06	58	28	.27	60	.09	16	1.29	.02	.10	2	3	68	4	7	2
VS 1.2N 6.6W	1	9	12	44	.2	17	6	166	2.53	2	2	ND	6	20	1	2	2	44	.22	.03	32	34	.63	75	.04	15	1.91	.02	.10	2	2	41	4	3	2
VS 1.2N 6.9W	1	9	7	25	.3	13	4	107	2.11	2	4	ND	3	20	1	2	2	41	.19	.03	25	27	.17	64	.01	11	.95	.02	.08	2	2	37	3	4	2
~~STD A-1~~	~~1~~	~~29~~	~~37~~	~~170~~	~~.4~~	~~33~~	~~11~~	[illegible]	~~2.66~~	~~11~~	~~2~~	~~ND~~	~~2~~	~~35~~	~~1~~	~~2~~	~~2~~	~~57~~	~~.62~~	~~.09~~	[illegible]	~~71~~	~~.76~~	~~275~~	~~.08~~	~~7~~	~~2.10~~	~~.02~~	~~.20~~	~~2~~	~~8~~	~~11~~	~~7~~	~~2~~	~~2~~

SOUTH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS 1.8N 0W	1	11	14	44	.4	15	5	186	2.35	3	2	ND	5	29	1	2	2	36	.38	.05	52	33	.47	95	.06	20	1.63	.02	.18	2	2	61	5	5	2
VS 1.8N 0.3W	1	28	15	72	.3	25	6	230	3.34	2	3	ND	8	28	1	2	2	51	.34	.06	33	54	.96	124	.09	17	3.36	.02	.31	2	2	41	8	3	2
VS 1.8N 0.6W	2	54	30	100	1.1	45	14	975	4.75	4	24	ND	2	82	1	2	3	65	.76	.06	137	73	.97	155	.06	15	4.17	.02	.38	2	4	153	114	22	2
VS 1.8N 0.9W	1	46	32	98	1.6	45	13	804	4.77	5	13	ND	5	95	1	2	2	64	.88	.07	92	66	.94	170	.08	15	3.85	.02	.39	2	4	113	73	16	2
VS 1.8N 1.2W	1	29	24	76	.8	30	11	724	3.89	4	10	ND	4	72	1	2	3	56	.74	.06	80	52	.74	142	.08	18	2.88	.02	.26	2	4	73	50	13	2
VS 1.8N 1.5W	1	34	32	88	.6	34	13	1003	4.42	6	7	ND	6	83	1	2	2	66	.78	.07	63	57	.86	187	.09	15	3.26	.02	.33	2	4	69	28	11	2
VS 1.8N 1.8W	1	29	27	86	.6	29	14	1255	4.25	2	5	ND	3	72	1	2	2	63	.72	.07	51	51	.78	165	.08	17	2.78	.02	.28	2	3	59	25	10	2
VS 1.8N 2.1W	1	36	22	70	.9	31	12	938	3.83	5	7	ND	2	101	1	2	2	56	1.10	.09	49	48	.70	201	.06	16	2.80	.02	.26	2	3	50	25	10	2
VS 1.8N 2.4W	1	30	23	90	.5	32	14	760	4.39	2	5	ND	5	67	1	2	3	60	.66	.07	42	64	.73	208	.09	16	2.99	.03	.31	2	4	48	15	11	2
VS 1.8N 2.7W	1	31	12	71	.3	36	14	527	3.99	2	2	ND	6	52	1	2	2	56	.56	.06	28	61	1.18	162	.14	17	3.14	.02	.51	2	4	39	12	7	2
VS 1.8N 3W	1	32	16	55	.5	29	10	479	3.15	4	4	ND	2	72	1	2	2	48	.73	.08	48	47	.69	184	.05	19	2.43	.02	.28	2	2	53	17	9	2
VS 1.8N 3.3W	2	46	18	79	.4	39	12	566	4.13	2	4	ND	4	97	1	2	3	59	.92	.11	71	60	.86	268	.07	18	3.25	.02	.40	2	4	77	32	13	2
VS 1.8N 3.6W	1	23	13	63	.5	30	9	326	3.05	2	2	ND	3	145	1	2	2	36	.77	.06	34	47	.76	180	.04	19	2.48	.02	.27	2	2	43	11	8	2
VS 1.8N 3.9W	1	27	16	65	.8	30	9	395	3.14	4	10	ND	5	201	1	2	2	39	1.06	.13	61	45	.67	150	.04	26	2.30	.02	.23	2	3	68	29	10	2
VS 1.8N 4.2W	1	38	10	39	.9	25	5	587	1.83	2	295	ND	2	962	1	2	2	16	4.05	.14	71	30	.43	158	.01	26	1.47	.01	.11	2	2	28	41	10	2
VS 1.8N 4.5W	1	35	6	23	.8	11	1	40	.43	2	151	ND	2	1140	1	2	2	4	4.89	.08	31	13	.13	99	.01	21	.37	.01	.02	2	2	9	10	3	2
VS 1.8N 4.8W	1	17	5	38	.3	15	4	129	2.38	2	5	ND	6	59	1	2	2	40	.24	.02	34	30	.30	116	.01	7	2.00	.02	.17	2	2	47	3	6	2
VS 1.8N 5.1W	2	27	12	45	.3	25	7	116	3.72	9	2	ND	14	65	1	2	2	42	.27	.03	61	25	.06	58	.01	8	.86	.01	.09	2	2	80	6	9	2
VS 1.8N 5.4W	1	17	7	35	.2	17	4	135	3.11	3	2	ND	4	28	1	2	2	48	.16	.03	36	30	.05	56	.01	10	.89	.02	.08	2	2	53	5	7	2
VS 1.8N 5.7W	1	8	16	22	.2	9	3	103	1.86	2	2	ND	5	76	1	2	2	45	.39	.02	35	22	.23	62	.02	5	1.40	.01	.08	2	2	46	4	5	2
VS 1.8N 6W	1	4	4	18	.1	9	3	78	1.35	2	2	ND	5	14	1	2	2	19	.08	.01	31	19	.24	86	.01	7	1.71	.02	.16	2	2	46	3	5	2
VS 1.8N 6.3W	1	8	20	26	.4	9	3	120	1.99	2	2	ND	2	18	1	2	2	43	.19	.04	64	25	.13	57	.04	13	1.09	.02	.07	2	2	78	4	8	2
VS 1.8N 6.6W	1	7	11	28	.4	11	3	153	1.94	2	2	ND	6	19	1	2	2	39	.19	.03	48	27	.26	85	.03	9	1.47	.02	.15	2	2	63	4	4	2
VS 1.8N 6.9W	1	8	16	62	.4	22	8	314	3.98	2	2	ND	6	15	1	2	2	50	.15	.09	24	38	.44	98	.03	10	2.17	.02	.16	2	3	33	3	5	2
~~STD A-1~~	~~1~~	~~29~~	~~36~~	~~170~~	[illegible]	~~33~~	~~12~~	[illegible]	~~2.74~~	~~10~~	~~2~~	~~ND~~	~~2~~	~~35~~	~~1~~	~~2~~	~~2~~	~~57~~	[illegible]	[illegible]	~~7~~	~~73~~	~~.76~~	~~271~~	[illegible]	~~7~~	~~2.15~~	~~.02~~	~~.20~~	~~2~~	[illegible]	~~42~~	~~7~~	~~3~~	~~2~~

VERGIL

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS 2.4N 0W	1	13	15	58	.4	18	8	503	2.76	2	2	ND	2	32	1	2	2	44	.43	.06	55	37	.55	96	.05	16	2.05	.02	.14	2	2	62	10	8	2
VS 2.4N 0.3W	1	12	15	62	.3	17	6	216	3.28	2	2	ND	7	43	1	2	2	52	.34	.13	58	36	.52	89	.06	15	1.90	.02	.15	2	3	72	6	8	2
VS 2.4N 0.6W	1	17	19	70	.5	23	10	793	3.11	3	2	ND	3	52	1	2	2	47	.99	.06	47	42	.63	114	.06	14	2.14	.02	.21	2	3	59	11	9	2
VS 2.4N 0.9W	1	14	16	67	.3	20	9	300	3.12	2	2	ND	5	35	1	2	2	47	.50	.08	42	40	.61	91	.07	15	2.05	.02	.14	2	3	55	7	8	2
VS 2.4N 1.2W	1	18	22	58	.3	25	10	986	3.16	2	3	ND	6	49	1	2	2	42	.82	.05	51	41	.61	127	.06	15	2.09	.02	.19	2	3	70	11	10	2
VS 2.4N 1.5W	1	16	22	57	.5	22	8	283	3.19	3	9	ND	5	55	1	2	2	47	1.02	.06	56	42	.62	111	.07	18	2.24	.02	.18	2	3	68	10	9	2
VS 2.4N 1.8W	1	15	26	54	.3	19	8	666	3.36	2	2	ND	5	52	1	2	2	49	.96	.06	57	38	.47	132	.07	22	1.95	.02	.16	2	3	70	9	11	2.
VS 2.4N 2.1W	1	16	26	67	.5	25	12	1254	3.57	2	3	ND	5	56	1	2	3	52	.91	.07	57	46	.64	175	.07	22	2.53	.02	.22	2	3	66	14	11	2
VS 2.4N 2.4W	1	24	20	56	.6	24	11	1567	2.98	2	17	ND	2	87	1	2	2	43	1.73	.09	52	38	.56	171	.05	24	2.08	.02	.19	2	2	59	18	10	2
VS 2.4N 2.7W	1	29	19	60	.7	29	12	1435	3.41	4	11	ND	3	79	1	2	2	47	1.41	.09	53	46	.66	181	.06	20	2.50	.02	.24	2	3	64	20	11	2
VS 2.4N 3W	1	38	19	47	.9	36	10	793	3.61	2	9	ND	3	77	1	2	3	50	1.28	.11	47	52	.70	195	.06	22	2.62	.02	.33	2	3	59	18	12	2
VS 2.4N 3.3W	1	41	24	84	.8	38	13	1507	4.11	4	12	ND	3	87	1	2	3	55	1.65	.11	44	58	.79	245	.06	17	3.16	.02	.35	2	3	62	23	12	2
VS 2.4N 3.6W	2	22	32	78	.4	20	8	569	3.68	5	2	ND	5	61	1	2	2	59	.85	.10	74	38	.49	138	.08	17	1.97	.02	.18	2	3	81	14	10	2
VS 2.4N 3.9W	1	22	10	31	.4	17	5	397	1.64	2	7	ND	2	110	1	2	2	18	1.80	.06	27	24	.36	110	.02	21	1.22	.01	.12	2	2	27	17	3	2

SOUTH VERGIL

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS 2.4N 4.2W	1	22	12	59	1.1	29	10	450	3.01	2	11	ND	4	114	1	2	2	38	.68	.07	35	46	.70	151	.06	19	1.97	.02	.26	2	2	45	17	3	2
VS 2.4N 4.5W	2	45	7	23	.9	26	4	954	.87	2	426	ND	2	1293	1	2	2	7	4.80	.13	25	18	.25	182	.01	28	.64	.01	.04	2	2	13	19	2	2
VS 2.4N 4.8W	1	43	9	7	1.4	22	2	208	.67	2	267	ND	2	1383	1	2	2	6	5.15	.07	27	13	.18	129	.01	25	.52	.01	.02	2	2	7	12	2	2
VS 2.4N 5.1W	2	11	11	41	.9	17	5	156	2.72	2	4	ND	8	36	1	2	2	54	.14	.02	25	25	.19	86	.02	9	.95	.02	.09	2	2	37	3	2	2
VS 2.4N 5.4W	1	10	15	69	.8	15	10	813	2.71	2	3	ND	6	90	1	2	2	37	.29	.02	19	35	.47	112	.03	12	1.31	.02	.14	2	2	25	3	2	2
VS 2.4N 5.7W	1	210	12	19	5.9	70	6	519	2.08	2	141	ND	2	593	1	2	3	14	2.34	.22	819	35	.33	88	.01	17	2.30	.01	.03	2	5	2	224	26	2
VS 2.4N 6W	1	15	3	38	1.4	33	8	259	4.57	2	5	ND	7	17	1	2	2	41	.07	.05	31	35	.60	83	.01	5	1.58	.01	.14	2	2	36	5	2	2
VS 2.4N 6.3W	2	31	21	59	1.7	29	10	381	6.44	2	2	ND	10	32	1	2	2	93	.24	.19	26	59	.79	125	.13	12	2.25	.02	.15	2	6	24	6	5	2
VS 2.4N 6.6W	1	12	10	28	.8	17	5	195	2.77	2	2	ND	6	15	1	2	2	49	.13	.03	25	29	.20	65	.02	8	1.09	.02	.09	2	2	37	4	2	2
VS 2.4N 6.9W	1	16	13	53	1.4	19	7	192	4.49	2	2	ND	8	19	1	2	2	55	.14	.15	36	40	.45	57	.06	9	1.40	.02	.12	2	3	44	4	2	2
VS 3N 0W	1	22	18	110	1.5	27	11	555	3.90	2	8	ND	4	51	1	2	2	55	.74	.06	31	49	.71	123	.06	13	2.24	.02	.26	2	2	44	7	4	2
VS 3N 0.3W	2	19	17	57	.9	20	6	187	3.10	2	2	ND	9	45	1	2	2	44	.45	.09	54	39	.57	102	.05	18	1.59	.02	.15	2	3	73	7	5	2
VS 3N 0.6W	1	31	13	69	1.3	34	11	544	3.54	2	20	ND	5	69	1	2	2	45	1.01	.08	35	54	.92	135	.07	21	2.27	.02	.44	2	3	49	19	5	2
VS 3N 0.9W	1	27	13	55	1.1	31	11	425	3.37	2	8	ND	8	56	1	2	2	43	.73	.08	36	48	.91	111	.07	21	2.01	.02	.40	2	3	51	16	5	2
VS 3N 1.2W	1	12	14	50	.9	15	7	379	2.33	2	2	ND	5	34	1	2	2	34	.42	.07	32	33	.46	114	.05	19	1.50	.02	.18	2	2	40	5	4	2
VS 3N 1.5W	1	19	13	51	1.0	25	10	330	3.20	2	5	ND	9	41	1	2	2	41	.43	.06	38	43	.74	79	.06	18	1.90	.02	.20	2	3	57	9	2	2
VS 3N 1.8W	1	13	15	53	1.0	20	10	476	3.24	2	4	ND	6	43	1	2	2	47	.51	.05	34	42	.56	80	.07	14	1.89	.02	.15	2	3	51	7	2	2
VS 3N 2.1W	1	16	13	67	1.1	25	12	454	3.51	2	6	ND	6	54	1	2	2	49	.63	.05	33	49	.69	89	.07	14	2.12	.02	.18	2	3	72	10	4	2
VS 3N 2.4W	1	11	12	27	.7	11	4	111	2.00	2	2	ND	3	45	1	2	2	36	.64	.04	36	23	.24	69	.04	14	.91	.02	.08	2	2	46	4	2	2
VS 3N 2.7W	2	12	17	61	1.1	16	6	317	2.96	2	2	ND	5	33	1	2	2	51	.31	.06	49	37	.51	105	.06	18	1.48	.02	.15	2	2	63	5	3	2
VS 3N 3W	2	20	24	105	1.6	25	9	534	4.65	2	5	ND	9	55	1	2	3	67	.29	.18	57	54	.77	159	.09	15	2.51	.02	.27	2	4	78	8	6	2
VS 3N 3.3W	2	17	21	87	1.3	25	8	405	3.68	2	2	ND	8	153	1	3	2	52	.56	.25	90	43	.87	159	.10	20	1.99	.03	.27	2	4	130	16	8	2
VS 3N 3.6W	2	20	25	102	.5	26	9	466	3.84	5	2	ND	7	116	1	2	3	56	.56	.18	102	48	.77	141	.10	27	2.12	.02	.29	2	3	127	14	11	2
VS 3N 3.9W	1	27	28	99	.5	34	11	713	3.91	2	2	ND	4	126	1	2	3	56	.77	.12	74	57	.92	185	.08	27	2.56	.02	.33	2	3	94	19	12	2
VS 3N 4.2W	2	22	30	70	.5	32	11	1610	3.46	2	17	ND	7	110	1	2	3	53	.91	.16	75	49	.80	144	.08	30	2.01	.02	.32	2	4	95	22	10	2
VS 3N 4.5W	1	21	29	73	.4	27	11	621	3.79	2	17	ND	6	127	1	2	3	50	1.19	.12	66	55	.89	108	.08	30	2.16	.02	.33	2	4	80	21	10	2
VS 3N 4.8W	2	19	15	43	.2	20	7	4688	2.07	3	16	ND	3	219	1	2	2	22	3.29	.12	25	29	.59	149	.04	36	1.09	.02	.24	2	2	30	11	3	2
VS 3N 5.1W	1	26	12	29	.6	25	6	1137	1.46	2	240	ND	2	882	1	2	2	14	4.23	.10	42	23	.36	136	.02	27	.92	.01	.09	2	2	12	15	2	2
VS 3N 5.4W	1	79	10	37	1.9	64	7	918	2.05	2	86	ND	2	595	1	2	2	15	3.00	.13	383	26	.43	117	.01	25	1.19	.01	.09	2	3	2	95	9	2
VS 3N 5.7W	1	7	21	26	.2	10	3	97	1.32	2	2	ND	7	19	1	2	3	35	.11	.02	40	20	.16	56	.02	15	.79	.02	.09	2	2	52	5	2	2
VS 3N 6W	3	15	19	54	.4	16	5	195	3.14	2	2	ND	8	22	1	2	2	54	.16	.04	42	40	.31	104	.06	23	1.21	.02	.15	2	2	53	4	4	2
VS 3N 6.3W	1	43	64	88	.6	55	17	1298	4.54	6	4	ND	13	98	1	2	3	46	.50	.08	106	49	.57	120	.05	19	2.52	.02	.12	2	4	137	26	10	2
VS 3N 6.6W	1	13	18	47	.4	20	6	223	3.02	3	2	ND	20	15	1	2	2	67	.16	.04	71	27	.09	73	.03	13	.79	.02	.09	2	3	82	5	6	2
VS 3N 6.9W	2	20	25	76	.2	27	8	292	4.51	2	2	ND	22	15	1	2	2	69	.13	.11	44	50	.53	120	.10	21	1.69	.02	.27	2	5	53	5	3	2
VS 3.6N 0W	2	38	17	81	1.5	38	10	1442	2.88	2	125	ND	2	124	2	2	2	38	2.01	.12	22	52	.59	176	.04	30	2.23	.02	.30	2	2	31	11	5	2
VS 3.6N 0.3W	1	23	14	59	.3	29	9	274	3.48	2	3	ND	6	39	1	2	2	42	.66	.05	29	52	.97	91	.08	27	2.35	.02	.39	2	3	45	8	2	2
VS .36N 0.6W	1	16	15	52	.4	23	9	340	3.02	2	6	ND	5	43	1	2	2	41	.85	.04	34	46	.72	96	.06	23	2.00	.02	.21	2	2	45	9	3	2
VS 3.6N 0.9W	1	13	11	65	.3	19	7	178	2.75	2	2	ND	8	21	1	2	2	39	.29	.10	30	39	.60	67	.07	29	1.85	.02	.14	2	3	36	5	2	2
STD A-1	1	30	36	179	.4	35	13	[illegible]	2.74	[illegible]	2	ND	2	70	1	2	2	56	.61	.10	7	80	.70	215	.08	8	1.80	.02	.18	2	8	9	7	2	2

VERGIL SOUTH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS 3.6N 1.2W	1	16	16	65	.4	21	7	208	3.17	4	2	ND	8	35	1	2	4	43	.23	.15	46	42	.59	77	.05	28	2.00	.02	.15	2	3	57	7	4	2
VS 3.6N 1.5W	1	14	14	47	.4	18	7	173	3.27	2	2	ND	9	17	1	2	3	48	.17	.13	44	42	.47	65	.07	24	1.74	.02	.16	2	4	57	6	5	3
VS 3.6N 1.8W	1	13	17	56	.4	21	8	180	3.58	6	2	ND	10	21	1	2	3	47	.18	.16	59	44	.56	77	.06	29	1.97	.02	.15	2	4	73	6	6	2
VS 3.6N 2.1W	1	12	17	53	.4	15	6	166	3.76	2	2	ND	9	21	1	2	3	58	.19	.18	51	41	.46	72	.08	26	1.65	.02	.14	2	4	63	5	5	2
VS 3.6N 2.4W	1	17	16	56	.3	25	9	190	3.85	2	2	ND	9	21	1	2	3	49	.18	.12	44	52	.72	88	.09	31	2.55	.02	.19	2	4	57	6	5	2
VS 3.6N 2.7W	2	13	20	70	.5	15	6	275	4.21	4	2	ND	8	24	1	2	4	73	.21	.17	59	46	.46	96	.08	28	1.82	.02	.13	2	4	71	5	6	2
VS 3.6N 3W	2	14	15	66	.4	20	7	170	3.99	2	2	ND	8	27	1	4	4	56	.22	.11	50	47	.65	89	.09	26	2.17	.02	.17	2	4	63	5	5	2
VS 3.6N 3.3W	1	22	17	70	.3	28	11	241	3.23	2	2	ND	4	74	1	2	3	50	.91	.07	29	52	1.01	116	.11	33	2.35	.02	.35	2	3	39	7	5	2
VS 3.6N 3.6W	1	16	20	59	.4	23	10	1017	2.99	2	13	ND	6	111	1	2	3	39	1.05	.20	68	42	.70	98	.07	34	1.70	.02	.30	2	3	88	19	8	2
VS 3.6N 3.?	3	13	7	9	.3	12	9	6109	1.62	2	11	ND	2	269	1	2	2	6	4.92	.17	12	17	.30	219	.01	35	.54	.01	.11	2	2	16	7	2	2
VS3.6N4.2W	1	16	14	36	.2	15	6	598	2.02	2	10	ND	2	220	1	2	2	21	3.76	.14	24	28	.52	94	.03	37	1.03	.02	.18	2	2	31	9	2	2
VS3.6N4.5W	1	14	6	14	.2	8	3	918	1.02	2	14	ND	2	328	1	2	2	5	5.71	.10	11	13	.29	93	.01	42	.38	.02	.07	2	2	14	5	2	2
VS3.6N4.8W	2	23	16	24	.5	21	7	1607	1.89	3	62	ND	2	321	1	2	2	18	3.79	.13	29	25	.42	146	.02	31	.94	.02	.12	2	2	31	12	2	2
VS3.6N5.1W	1	16	9	19	.3	19	5	363	1.40	2	13	ND	2	211	1	2	2	16	4.62	.08	21	21	.39	83	.02	38	.72	.02	.11	2	2	25	13	2	2
VS3.6N5.7W	2	26	18	57	.4	32	11	680	3.32	3	14	ND	6	64	1	2	3	41	.84	.09	64	50	.80	105	.08	30	1.99	.02	.30	2	4	81	23	7	2
VS3.6N6W	2	19	19	56	.3	24	10	929	2.88	2	17	ND	7	108	1	2	3	37	1.53	.11	68	43	.68	111	.07	34	1.58	.02	.25	2	3	76	20	8	2
VS3.6N6.3W	1	27	28	115	.5	30	12	330	4.00	2	6	ND	11	91	1	2	3	55	.62	.08	50	57	.74	122	.08	28	2.23	.02	.16	2	4	55	11	6	2
VS3.6N6.6W	2	20	36	87	.4	29	9	416	3.80	2	2	ND	9	42	1	2	3	48	.27	.05	42	48	.57	107	.06	31	1.69	.02	.14	2	3	53	7	6	2
VS3.6N6.9W	2	17	18	43	.5	17	5	199	3.37	3	2	ND	9	19	1	2	3	78	.16	.05	61	37	.24	75	.09	20	1.20	.03	.12	2	3	81	5	5	2
[illegible]	1	[illegible]	[illegible]	[illegible]	.5	[illegible]	[illegible]	[illegible]	[illegible]	11	2	ND	2	36	1	2	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2
VS4.2N0W	1	15	16	55	.4	19	6	187	3.12	2	2	ND	6	18	1	2	4	47	.16	.09	40	41	.61	88	.06	27	1.96	.03	.22	2	2	54	6	5	2
VS4.2N0.3W	1	24	12	50	.3	29	9	208	3.32	2	2	ND	10	17	1	2	3	40	.19	.08	45	50	.85	80	.08	33	2.01	.03	.28	2	3	61	8	5	2
VS4.2N0.6W	1	13	14	42	.5	14	4	137	3.58	2	2	ND	8	14	1	2	4	57	.14	.09	33	43	.41	71	.07	21	1.90	.02	.16	2	3	46	5	4	2
VS4.2N0.9W	1	9	12	31	.3	11	3	145	2.49	2	2	ND	7	18	1	2	4	50	.25	.08	40	36	.32	70	.08	24	1.58	.03	.14	2	3	55	5	5	2
VS4.2N1.2W	1	22	12	128	.6	32	11	314	4.30	2	2	ND	11	14	1	2	4	49	.18	.18	39	51	.66	94	.07	26	2.67	.02	.33	2	4	53	9	4	2
VS4.2N1.5W	1	8	15	43	.4	11	4	144	2.28	2	2	ND	8	18	1	2	3	45	.20	.07	56	31	.30	65	.07	27	1.38	.03	.11	2	3	71	5	6	2
VS4.2N1.8W	2	14	18	88	.4	20	8	210	3.85	2	2	ND	9	22	1	2	3	57	.26	.16	45	46	.63	94	.10	35	2.12	.03	.17	2	5	56	6	4	2
VS4.2N2.1W	2	14	17	74	.4	21	9	203	3.60	2	2	ND	8	18	1	2	3	55	.20	.13	40	47	.57	75	.09	34	2.22	.02	.14	2	4	50	5	4	2
VS4.2N2.4W	1	12	16	50	.4	16	6	272	3.30	3	2	ND	12	18	1	2	3	53	.20	.11	59	39	.49	77	.08	28	1.88	.02	.17	2	4	71	5	4	2
VS4.2N2.7W	1	16	14	56	.5	18	7	162	3.59	2	2	ND	8	14	1	2	4	53	.15	.14	46	39	.47	66	.06	26	1.86	.02	.13	2	3	57	5	4	2
VS 4.2N 3W	1	14	16	63	.3	20	8	184	3.23	2	2	ND	8	18	1	2	3	46	.18	.13	45	41	.54	76	.05	26	1.81	.02	.13	2	3	58	6	4	2
VS 4.2N 3.3W	1	40	16	85	.3	39	18	287	4.89	2	2	ND	9	23	1	2	4	65	.23	.07	31	70	1.51	113	.17	30	3.49	.03	.48	2	5	43	8	2	2
VS 4.2N 3.6W	1	17	5	20	.4	12	2	140	.57	2	3	ND	2	241	1	2	2	9	5.61	.09	6	12	.24	74	.01	29	.39	.01	.07	2	2	4	4	2	2
VS 4.2N 3.9W	2	13	14	39	.4	24	8	1480	2.35	2	39	ND	2	113	1	2	2	31	2.07	.13	29	34	.57	116	.04	33	1.29	.02	.24	2	2	34	10	2	2
VS 4.2N 4.2W	2	12	22	44	.5	21	8	862	2.56	2	8	ND	3	122	1	2	2	33	1.57	.12	42	44	.64	129	.05	27	1.72	.03	.27	2	2	51	13	4	2
VS 4.2N 4.5W	1	17	8	13	.3	15	3	183	1.04	2	50	ND	2	209	1	2	2	10	5.59	.11	29	19	.32	73	.01	29	.65	.01	.08	2	2	16	14	2	2
VS 4.2N 4.8W	2	21	6	12	.5	13	2	1048	.49	2	49	ND	2	423	1	2	2	4	5.02	.11	15	12	.21	109	.01	30	.29	.01	.05	2	2	10	10	2	2
VS 4.2N 5.1W	2	12	28	53	.3	21	9	570	3.13	2	3	ND	10	44	1	2	3	42	.45	.07	94	40	.60	78	.08	25	1.55	.02	.18	2	4	122	17	13	2

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS 4.2N 5.4W	1	20	29	36	.4	21	5	159	2.29	2	12	ND	3	110	1	2	2	30	1.94	.05	60	35	.48	77	.06	16	1.54	.01	.16	2	2	60	11	9	2
VS 4.2N 5.7W	2	20	27	74	.3	25	9	895	3.13	5	2	ND	8	118	1	2	4	43	1.33	.17	88	41	.73	105	.07	33	1.88	.02	.33	2	3	100	20	15	2
VS 4.2N 6W	1	12	18	51	.2	17	6	536	2.11	4	2	ND	9	100	1	2	3	30	.79	.22	110	31	.45	60	.05	33	1.19	.02	.17	2	3	125	15	13	2
VS 4.2N 6.3W	2	12	45	84	.4	15	7	322	3.48	4	4	ND	8	224	1	2	4	60	.99	.08	89	33	.46	151	.11	28	1.46	.02	.22	2	4	101	10	18	2
VS 4.2N 6.6W	2	19	48	114	.6	18	7	647	3.02	2	19	ND	3	501	2	2	4	39	2.33	.16	93	38	.63	177	.06	32	1.76	.02	.22	2	3	87	46	16	2
VS 4.2N 6.9W	5	20	41	123	.8	16	7	682	3.43	7	29	ND	6	539	2	2	5	49	2.92	.41	157	33	.67	123	.07	37	1.74	.03	.30	2	4	175	38	27	2
VS 4.8N 0W	1	16	13	57	.2	25	10	286	3.31	3	2	ND	7	40	1	2	4	42	.63	.04	37	47	.74	75	.07	24	2.70	.02	.19	2	3	47	8	6	2
VS 4.8N 0.3W	1	24	15	57	.3	23	6	100	4.09	2	4	ND	7	14	1	2	4	55	.12	.13	30	49	.68	94	.09	27	2.95	.02	.31	2	3	35	5	4	2
VS 4.8N 0.6W	1	10	15	36	.3	11	3	114	2.59	5	2	ND	6	12	1	2	3	43	.16	.07	36	33	.32	60	.06	23	1.64	.02	.11	2	2	43	4	5	2
VS 4.8N 0.9W	1	7	10	29	.2	7	2	187	1.93	2	2	ND	6	13	1	2	3	39	.22	.08	37	23	.19	67	.05	23	1.25	.02	.08	2	2	43	4	5	2
VS 4.8N 1.2W	1	14	9	48	.2	17	5	159	2.81	3	2	ND	7	11	1	2	3	34	.15	.11	38	37	.54	57	.04	27	2.26	.02	.11	2	2	44	6	5	2
VS 4.8N 1.5W	1	10	12	69	.5	14	5	155	2.91	2	2	ND	6	12	1	2	4	48	.18	.08	30	38	.43	65	.06	23	2.06	.01	.12	2	3	35	4	4	2
VS 4.8N 1.8W	1	9	14	62	.4	12	5	144	3.10	2	2	ND	7	20	1	2	4	62	.23	.13	48	32	.40	64	.07	23	1.94	.01	.10	2	3	55	4	6	2
VS 4.8N 2.1W	1	13	17	69	.4	16	7	146	3.37	2	2	ND	8	13	1	2	4	56	.18	.11	41	38	.51	64	.09	25	2.26	.02	.12	2	4	46	4	4	2
VS 4.8N 2.4W	1	18	15	57	.3	19	7	154	3.20	2	2	ND	10	9	1	2	3	47	.11	.07	56	36	.49	62	.04	25	1.95	.01	.11	2	3	64	6	6	2
VS 4.8N 2.7W	1	15	15	76	.3	27	11	205	3.45	5	2	ND	9	17	1	2	4	50	.20	.09	45	49	.67	83	.09	29	2.84	.02	.16	2	4	48	6	4	2
VS 4.8N 3W	1	13	19	56	.2	19	6	182	3.23	3	2	ND	8	21	1	2	3	50	.23	.12	62	41	.49	66	.07	29	1.87	.02	.12	2	3	64	5	5	2
VS 4.8N 3.3W	1	15	15	55	.3	22	9	210	3.02	6	2	ND	8	31	1	2	3	42	.41	.08	59	41	.66	72	.07	28	2.12	.02	.19	2	3	66	7	7	2
VS 4.8N 3.6W	2	15	13	31	.6	24	6	140	1.97	3	40	ND	3	83	1	2	2	27	2.51	.04	36	30	.37	69	.04	28	1.33	.02	.12	2	2	39	20	7	2
VS 4.8N 3.9W	1	40	10	13	1.2	35	3	127	1.28	4	110	ND	2	343	1	2	2	10	6.02	.11	77	37	.26	129	.01	29	1.00	.03	.06	2	2	19	41	2	2
VS 4.8N 4.2W	2	26	3	4	.6	22	2	993	.46	2	44	ND	2	314	1	2	2	6	5.72	.11	15	14	.19	97	.01	38	.43	.02	.04	2	2	7	11	2	2
VS 4.8N 4.5W	14	37	17	33	.8	47	11	11975	2.44	3	38	ND	4	196	3	2	3	28	3.84	.17	89	38	.49	428	.02	30	1.92	.02	.16	2	3	52	48	9	2
VS 4.8N 4.8W	2	14	16	20	.2	19	4	386	1.79	2	37	ND	2	126	1	2	2	23	2.90	.05	40	28	.34	78	.03	29	1.06	.02	.10	2	2	42	9	5	2
VS 4.8N 5.1W	2	18	20	46	.7	20	8	816	2.69	4	9	ND	3	162	1	2	3	33	2.44	.08	43	40	.54	110	.04	28	1.92	.02	.18	2	2	44	12	7	2
VS 4.8N 5.4W	2	18	24	43	.5	18	8	671	2.67	4	14		6	148	1	2	3	37	1.85	.10	75	37	.54	93	.06	31	1.74	.02	.14	2	3	77	21	11	2
VS 4.8N 5.7W	2	25	21	50	.6	27	7	586	2.68	3	18	ND	3	301	1	2	3	35	2.25	.11	63	39	.60	116	.04	23	1.85	.02	.16	2	2	60	21	10	2
VS 4.8N 6W	2	21	34	84	.6	21	8	787	3.14	4	10	3	6	311	1	2	4	42	1.84	.23	108	39	.69	102	.07	34	1.81	.02	.25	2	3	124	26	19	2
VS 4.8N 6.3W	9	22	58	187	.4	22	12	786	5.33	7	3	ND	19	146	1	2	10	59	.69	.23	164	38	.55	85	.06	30	2.17	.02	.16	2	5	212	17	20	2
VS 4.8N 6.6W	3	9	145	158	.6	14	9	830	4.38	2	2	ND	9	113	1	2	5	64	.53	.23	164	29	.39	87	.07	31	1.67	.02	.18	2	4	173	9	14	2
VS 4.8N 6.9W	2	9	45	89	.2	18	7	223	3.36	3	2	ND	10	29	1	2	5	51	.18	.07	91	37	.44	53	.07	29	1.63	.02	.14	2	3	94	5	8	2
VS 5.4N 0W	1	10	10	31	.2	12	4	115	2.14	2	2	ND	5	11	1	2	3	35	.13	.07	31	29	.41	59	.06	24	1.58	.02	.13	2	2	36	4	3	2
VS 5.4N 0.3W	1	11	10	51	.2	18	6	148	2.89	2	2	ND	6	12	1	2	3	46	.19	.10	26	41	.55	57	.08	24	1.96	.02	.15	2	3	32	4	4	2
VS 5.4N 0.6W	1	12	11	40	.4	17	5	124	3.03	2	2	ND	7	8	1	2	4	43	.10	.08	30	38	.55	52	.06	25	2.06	.01	.14	2	2	35	4	4	2
VS 5.4N 0.9W	1	16	10	69	.3	22	8	165	3.67	3	2	ND	8	10	1	2	3	47	.14	.13	35	45	.64	67	.06	23	2.65	.01	.13	2	3	40	5	5	2
VS 5.4N 1.2W	1	13	10	82	.3	19	7	208	3.44	5	2	ND	6	14	1	2	3	56	.25	.10	31	47	.74	62	.12	26	2.69	.02	.13	2	4	34	4	2	2
VS 5.4N 1.8W	1	15	11	79	.1	16	6	437	2.64	5	2	ND	6	16	1	2	3	50	.24	.08	32	37	.40	111	.10	31	1.88	.02	.13	2	3	35	4	4	2
STD A-1	1	30	36	176	.4	34	12	974	2.67	8	2	ND	2	30	1	2	3	57	.70	.10	[illegible]	70	.70	247	.08	[illegible]	2.20	.02	.19	2	[illegible]	11	7	3	2

VERGIL — SOUTH

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
VS 5.4N 2.1W	1	9	12	30	.4	10	4	103	2.39	2	3	ND	5	9	1	2	3	44	.16	.07	35	27	.24	50	.04	16	1.39	.01	.08	2	2	40	3	4	2
VS 5.4N 2.4W	1	6	12	27	.3	9	3	83	1.89	4	2	ND	7	10	1	2	3	33	.12	.06	45	26	.29	53	.04	19	1.30	.02	.10	2	2	50	3	5	2
VS 5.4N 2.7W	1	8	12	41	.1	12	5	121	3.12	2	2	ND	7	12	1	2	3	47	.19	.18	38	34	.40	49	.05	21	1.51	.01	.10	2	3	42	3	6	2
VS 5.4N 3W	1	12	14	51	.4	21	6	128	3.04	2	2	ND	8	16	1	2	3	43	.16	.11	48	45	.51	59	.06	21	1.98	.02	.14	2	3	53	4	5	2
VS 5.4N 3.3W	1	12	10	41	.2	16	5	161	2.16	4	2	ND	6	23	1	2	3	35	.37	.04	45	32	.47	78	.06	21	1.45	.02	.14	2	2	48	6	5	2
VS 5.4N 3.9W	1	12	10	53	.2	18	6	174	2.65	2	2	ND	7	23	1	2	3	44	.33	.07	50	38	.59	74	.07	22	1.82	.02	.12	2	3	55	6	5	2
VS 5.4N 3.6W	1	11	9	52	.2	18	6	167	2.64	4	2	ND	7	23	1	2	3	43	.33	.07	50	36	.58	72	.07	22	1.79	.02	.12	2	3	55	6	5	2
VS 5.4N 3.9W	2	11	12	42	.2	14	5	134	2.51	2	2	ND	8	12	1	2	3	43	.18	.05	53	30	.40	62	.06	22	1.32	.02	.12	2	2	57	4	6	2
VS 5.4N 4.2W	1	21	14	32	.4	16	5	102	2.24	3	2	ND	2	63	1	2	3	29	1.48	.05	38	33	.50	89	.05	20	1.73	.02	.16	2	2	41	8	4	2
VS 5.4N 4.5W	1	26	15	29	.8	35	5	182	1.68	4	81	ND	2	235	2	2	2	17	4.69	.08	23	33	.49	94	.03	24	1.16	.01	.18	2	2	23	13	2	2
VS 5.4N 4.8W	3	16	4	5	.3	8	1	49	.19	2	2	ND	2	552	1	2	2	5	5.71	.06	2	7	.15	85	.01	30	.16	.01	.03	2	2	2	2	2	2
VS 5.4N 5.1W	2	20	23	39	.6	20	9	481	2.80	3	2	ND	9	178	1	2	3	41	1.04	.04	64	46	.48	109	.06	21	1.83	.02	.10	2	3	67	13	9	2
VS 5.4N 5.4W	2	16	28	59	.4	24	8	374	3.15	8	2	ND	10	103	1	2	3	44	.76	.10	91	46	.67	92	.06	25	2.00	.02	.18	2	3	98	15	8	2
VS 5.4N 5.7W	2	15	12	67	.1	19	7	162	2.94	2	2	ND	6	73	1	2	2	45	.77	.02	30	45	.76	64	.10	21	2.29	.02	.28	2	3	32	5	3	2
VS 5.4N 6W	8	13	15	84	.1	18	7	165	3.53	2	2	ND	9	25	1	2	3	60	.25	.04	80	41	.63	59	.09	22	1.98	.02	.20	2	3	79	5	6	2
VS 5.4N 6.3W	2	15	33	98	.5	21	9	247	4.05	6	2	ND	10	98	1	2	3	58	.61	.28	102	39	.72	65	.09	25	2.23	.02	.18	2	4	128	12	10	2
VS 5.4N 6.6W	1	10	56	174	.3	18	10	289	4.07	3	2	ND	7	92	1	2	4	63	.57	.26	97	42	.68	100	.12	21	2.22	.02	.26	2	4	103	8	7	2
VS 5.4N 6.9W	3	14	30	115	.6	24	13	1593	5.50	13	2	ND	17	275	1	2	5	52	1.13	.44	204	36	.83	159	.11	25	2.74	.02	.31	2	8	796	50	40	2
VS 6N 0W	1	13	11	40	.1	17	5	135	2.14	2	2	ND	3	14	1	2	3	36	.17	.03	23	39	.59	58	.08	22	1.74	.02	.19	2	2	29	4	2	2
VS 6N 0.3W	1	19	15	52	.4	22	8	203	3.29	4	2	ND	4	14	1	2	3	49	.13	.06	27	41	.59	68	.07	17	2.16	.01	.16	2	2	45	5	3	2
VS 6N 0.6W	1	19	9	53	.2	26	7	180	3.83	7	2	ND	7	13	1	2	3	47	.18	.15	22	47	.78	62	.07	21	2.38	.01	.17	2	2	25	5	2	2
VS 6N 0.9W	1	16	12	46	.2	17	6	128	4.81	3	2	ND	6	10	1	2	4	68	.12	.22	21	47	.57	54	.08	20	2.33	.01	.12	2	3	22	3	3	2
VS 6N 1.2W	1	12	14	60	.2	16	6	139	3.32	2	2	ND	6	9	1	2	3	47	.12	.13	21	38	.54	67	.05	20	2.35	.01	.11	2	3	23	3	2	2
VS 6N 1.5W	1	17	13	78	.3	19	7	216	4.12	4	2	ND	7	18	1	2	3	77	.33	.15	24	49	.77	73	.11	20	2.93	.01	.12	2	5	24	6	2	2
VS 6N 1.8W	1	10	28	101	.2	16	7	194	3.04	3	2	ND	6	11	1	2	3	51	.17	.07	27	39	.54	71	.08	20	2.29	.02	.11	2	3	28	4	2	2
VS 6N 2.1W	1	14	12	95	.1	21	10	196	3.49	3	2	ND	6	13	1	2	3	53	.18	.10	25	46	.73	71	.11	22	2.53	.01	.17	2	3	26	4	3	2
VS 6N 2.4W	1	8	12	61	.2	14	7	156	2.81	2	2	ND	6	12	1	2	2	51	.17	.08	27	35	.52	71	.11	21	1.84	.01	.15	2	3	28	3	2	2
VS 6N 2.7W	1	17	12	124	.1	25	13	242	4.71	4	2	ND	8	18	1	2	4	79	.23	.12	29	54	1.24	123	.21	19	3.69	.02	.40	2	4	29	4	2	2
VS 6N 3W	1	19	11	87	.1	20	9	182	4.67	7	2	ND	8	15	1	2	4	70	.16	.18	24	48	.93	84	.13	20	2.70	.02	.29	2	4	26	4	2	2
VS 6N 3.3W	1	15	14	55	.3	22	8	173	3.10	3	2	ND	8	27	1	2	3	44	.23	.10	44	42	.80	67	.08	22	2.13	.02	.24	2	2	49	5	3	2
VS 6N 3.6W	1	11	12	50	.2	14	5	134	2.77	2	2	ND	7	16	1	2	3	44	.18	.11	40	34	.44	62	.06	24	1.41	.02	.12	2	3	42	4	3	2
VS 6N 3.9W	1	12	13	53	.2	17	6	127	3.35	2	2	ND	6	18	1	2	3	52	.19	.16	28	45	.56	79	.09	22	2.05	.02	.18	2	3	29	4	2	2
VS 6N 4.2W	1	5	8	17	.1	5	2	62	1.15	3	2	ND	4	14	1	2	2	29	.23	.02	34	18	.10	42	.04	16	.64	.02	.06	2	2	37	2	2	2
VS 6N 4.5W	1	13	12	76	.2	18	6	191	3.06	3	2	ND	7	17	1	2	3	48	.21	.10	39	43	.60	87	.11	21	2.01	.02	.26	2	3	39	4	2	2
VS 6N 4.8W	1	10	19	48	.5	12	5	177	2.62	2	2	ND	6	32	1	2	3	45	.28	.06	62	31	.29	88	.05	21	1.34	.02	.11	2	2	63	5	6	2
VS 6N 5.1W	5	26	21	88	.3	28	12	315	4.84	9	2	ND	14	49	1	2	4	66	.36	.15	117	57	.95	62	.10	23	2.60	.02	.21	2	5	120	11	7	2
VS 6N 5.4W	2	15	18	61	.2	23	7	227	3.21	3	2	ND	9	31	1	2	3	49	.29	.09	64	44	.59	60	.06	22	1.66	.01	.17	2	3	66	5	5	2
VS 6N 5.7W	5	15	16	97	.1	21	8	227	4.12	2	2	ND	11	19	1	2	4	60	.22	.07	100	48	.52	65	.06	19	1.90	.02	.15	2	3	99	6	7	2
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~

VERGIL SOUTH

Note	SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
	VS 6N 6W	2	17	12	80	.1	22	8	206	2.99	3	2	ND	10	44	1	3	4	42	.38	.13	85	39	.73	66	.07	26	2.06	.02	.20	2	4	86	8	5	2
	VS 6N 6.3W	1	10	20	105	.3	15	6	196	2.92	4	2	ND	7	59	1	3	4	47	.41	.18	79	35	.52	71	.07	24	1.74	.02	.16	2	4	82	6	5	2
	VS 6N 6.6W	1	7	11	43	.3	9	3	126	1.80	4	2	ND	8	26	1	2	3	41	.24	.05	102	27	.22	63	.06	19	1.14	.03	.12	2	3	107	5	8	2
	VS 6N 6.9W	2	9	96	173	.5	11	8	804	7.19	2	19	ND	13	346	1	2	7	98	1.36	.57	116	26	.96	95	.11	22	2.99	.03	.42	2	5	156	23	16	2
5.4?	VS 3N 5.1W	1	19	16	65	.4	28	9	1449	2.67	6	14	ND	6	205	1	2	3	34	1.30	.13	82	43	.63	141	.06	27	2.10	.02	.24	2	3	84	20	7	2
5.14	VS 3.6N 5.8W	1	14	17	53	.3	20	7	1008	2.23	3	3	ND	5	121	1	2	2	29	1.45	.18	75	33	.57	92	.06	31	1.40	.03	.23	2	2	80	14	8	2
5.11	VS 3.6N 5.9W	1	12	10	42	.1	20	8	1571	2.27	4	4	ND	10	85	1	2	2	28	.67	.09	54	31	.47	106	.06	29	1.27	.03	.14	2	3	60	9	4	2
5.14	VS 4.2N 3.7W	1	21	13	52	.2	24	9	369	2.53	3	6	ND	9	70	1	2	2	34	.79	.15	70	36	.68	68	.07	28	1.71	.03	.32	2	3	74	17	7	2
5.11	VS 4.6N 5.1W	2	8	10	27	.1	20	6	1349	1.91	3	2	ND	4	73	1	2	2	25	.94	.11	51	24	.41	89	.04	29	.97	.02	.12	2	2	55	8	3	2
5.1	VS 4.8N 3.6W	1	21	13	53	.3	32	9	497	2.54	3	2	ND	6	68	1	2	2	33	.82	.13	60	40	.69	78	.06	28	1.68	.02	.32	2	2	64	24	7	2
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ACME ANALYTICAL LABORATORIES LTD.   852 E. HASTINGS, VANCOUVER B.C.   PH:253-3158   TELEX:04-53124

ICP GEOCHEMICAL ANALYSIS

A .100 gram Sample fused with Na_2O_2 dissolved in water and diluted to 10 mls with 6N HNO_3 .

SAMPLE TYPE - SOIL/SILT

DATE RECEIVED JULY 26 1982   DATE REPORTS MAILED Aug 24/82   ASSAYER D. Toye   DEAN TOYE, CERTIFIED B.C. ASSAYER

G.A. NOEL & ASSOCIATES   FILE # 82-0667

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
W-1	239	.45	287	128	42	71	2
W-2	278	.49	152	111	38	79	2
W-3	320	.48	179	124	59	100	2
W-4	299	.49	110	85	31	72	2
W-5	277	.48	167	114	36	85	4
W-6	261	.68	283	102	36	97	2
W-7	288	.67	280	98	37	89	2
W-8	303	.58	180	92	36	84	2
W-9	262	.58	276	90	34	99	2
W-10	221	.61	229	77	36	86	2
W-11	287	.59	189	86	39	85	2
W-12	304	.70	254	72	33	103	6
W-13	298	.62	176	83	37	82	2
W-14	256	.60	200	106	36	77	2
W-15	354	.61	229	87	39	83	2
W-16	303	.50	193	94	35	78	2
W-17	302	.59	204	60	30	93	2
W-18	811	.10	120	3	50	2	4
W-19	583	.10	84	4	48	2	2
W-20	344	.56	134	55	36	52	2
W-21	273	.67	233	71	37	73	3
W-22	292	.70	300	64	36	65	4
W-23	304	.56	245	77	37	72	2
W-24	236	.44	118	67	35	68	2
W-25	225	.58	259	74	34	91	4
W-26	201	.52	177	105	33	100	2
W-27	227	.51	215	104	29	102	2
W-28	237	.51	85	71	32	64	8
W-29	224	.56	161	90	34	96	2
W-30	218	.35	72	90	31	56	2
W-31	235	.40	182	89	28	69	2
W-32	202	.46	186	95	31	80	7
W-33	199	.65	295	89	37	123	2
W-34	118	.66	179	88	41	125	5
W-35	94	.51	114	85	25	105	2
W-36	125	.47	65	92	28	89	2
W-37	139	.37	147	86	26	61	2

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
W-38	313	.78	311	80	33	42	3
W-39	232	.59	280	141	22	71	5
W-40	270	.59	226	126	39	37	3
W-41	250	1.19	350	123	41	102	2
W-42	352	1.00	340	75	35	76	2
W-43	330	.97	351	97	32	79	2
W-44	353	1.02	150	69	37	76	2
W-45	281	.87	382	111	30	63	2
W-46	277	.85	312	89	33	76	2
W-47	331	.77	319	117	38	39	3
W-48	567	.94	361	98	39	47	2
W-49	720	.68	338	988	43	99	2
W-50	304	.71	337	209	26	90	2
W-51	364	.75	351	206	29	85	2
W-52	386	.98	284	86	42	79	5
W-53	327	.55	294	186	27	81	2
W-54	245	.88	337	151	31	78	3
W-55	311	.72	345	86	26	60	4
W-56	238	.70	392	169	28	99	2
W-57	291	.84	264	153	31	105	2
W-58	256	.81	362	154	27	107	4
W-59	286	.75	286	208	30	137	2
W-60	291	.50	260	2	39	2	2
W-61	191	.59	127	107	21	78	4
W-62	142	.34	136	164	12	90	2
W-63	263	.71	335	158	26	115	3
W-64	344	.93	536	218	34	144	6
W-65	376	1.12	426	157	36	131	2
W-66	252	.76	278	286	30	188	2
W-67	225	.64	145	170	26	88	2
W-68	226	.59	278	246	24	165	2
W-69	256	.60	288	259	28	146	2
W-70	193	.37	112	278	23	152	2
VNON OW	253	.60	327	314	29	168	2
VNON 0.3W	337	.56	285	258	42	115	2
VNON 0.6W	380	.55	69	165	19	97	7
VNON 0.9W	245	.61	160	166	29	49	2
VNON 1.2W	326	.03	17	135	5	27	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y. ppm	NB ppm	TA ppm
VNON 1.5W	196	.52	267	303	30	212	6
VNON 1.8W	212	.52	316	342	31	268	2
VNON 2.1W	144	.35	47	293	21	199	2
VNON 2.4W	221	.60	161	15	30	2	2
VNON 2.7W	200	.61	169	62	28	46	2
VNON 3W	374	.77	354	124	41	68	4
VNON 3.3W	397	.84	104	73	43	77	8
VNON 3.6W	399	.76	342	112	46	48	3
VNON 3.9W	303	.60	240	178	34	90	2
VNON 4.2W	301	.61	223	219	37	104	2
VNON 4.5W	277	.65	179	255	44	128	2
VNON 4.8W	213	.54	242	166	33	80	8
VNON 5.1W	362	.58	65	229	33	158	2
VNON 5.4W	186	.46	170	204	27	105	2
VNON 5.7W	221	.43	81	230	20	142	2
VNON 6W	183	.37	66	182	21	91	2
VNO.6N 0W	247	1.00	345	171	50	121	2
VNO.6N 0.3W	277	.83	240	109	41	76	4
VNO.6N 0.6W	239	1.03	317	226	56	136	8
VNO.6N 0.9W	328	.82	202	105	39	106	14
VNO.6N 1.2W	268	.74	398	185	30	142	2
VNO.6N 1.5W	433	.69	246	216	43	164	2
VNO.6N 1.8W	241	.48	61	151	29	114	14
VNO.6N 2.1W	349	.72	201	56	37	46	3
VNO.6N 2.7W	569	.64	102	353	57	239	6
VNO.6N 3W	524	.76	197	165	32	151	11
VNO.6N 3.6W	409	.65	43	192	44	57	7
VNO.6N 3.9W	389	.57	54	335	44	82	2
VNO.6N 4.2W	169	.35	190	162	22	88	3
VNO.6N 4.5W	214	.42	243	177	25	78	2
VNO.6N 4.8W	364	.63	324	41	35	4	2
VNO.6N 5.1W	354	.66	390	174	40	30	3
VNO.6N 5.4W	376	.61	157	225	30	111	5
VNO.6N 5.7W	466	.80	199	294	40	204	4
VNO.6N 6W	354	.77	450	171	44	96	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VN1.2N OW	400	.85	433	3	47	26	2
VN1.2N 0.3W	220	.97	253	166	40	83	2
VN1.2N 0.6W	176	.45	204	87	37	72	4
VN1.2N 0.9W	176	.35	109	91	25	63	2
VN1.2N 1.2W	182	.46	201	152	30	114	2
VN1.2N 1.5W	190	.34	51	134	24	102	2
VN1.2N 1.8W	182	.36	39	161	28	127	4
VN1.2N 2.1W	164	.28	51	158	24	110	2
VN1.2N 2.4W	164	.26	106	170	22	126	2
VN1.2N 2.7W	175	.33	90	225	28	147	2
VN1.2N 3W	203	.40	186	244	36	186	2
VN1.2N 3.3W	156	.23	68	236	25	158	2
VN1.2N 3.6W	566	.49	30	355	59	264	3
VN1.8N OW	217	.42	150	86	25	53	4
VN1.8N 0.3W	157	.33	127	118	23	86	2
VN1.8N 0.6W	133	.37	168	146	28	93	2
VN1.8N 0.9W	180	.36	155	149	31	86	2
VN1.8N 1.2W	90	.19	90	148	20	77	2
VN1.8N 1.5W	148	.27	101	131	21	97	2
VN1.8N 1.8W	159	.31	124	151	24	97	2
VN1.8N 2.1W	205	.40	185	159	28	126	4
VN1.8N 2.4W	136	.28	97	181	25	125	2
VN1.8N 2.7W	149	.26	72	169	21	126	2
VN1.8N 3W	121	.20	111	196	20	134	2
VN1.8N 3.3W	225	.48	262	216	31	164	2
VN1.8N 3.6W	226	.58	306	244	41	187	2
VN1.8N 3.9W	291	.65	293	268	49	190	5
VN1.8N 4.2W	342	.36	113	295	45	189	2
VN1.8N 4.5W	307	.45	230	283	48	225	2

Rerun .100gm Na_2O_2 fusion 10 mls H_2O, 10 mls diluted Aqua Regia.

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VN1.8N 4.8W	315	.24	154	158	92	80	3
VN1.8N 5.1W	214	.31	195	72	20	66	2
VN1.8N 5.4W	207	.30	225	108	32	77	5
VN1.8N 5.7W	265	.29	492	150	17	209	3
VN1.8N 6W	286	.37	367	170	19	213	5
VN2.4N 0W	186	.41	153	78	25	14	2
VN2.4N 0.3W	172	.35	115	56	21	6	2
VN2.4N 0.6W	188	.40	225	77	24	13	2
VN2.4N 0.9W	184	.44	227	74	21	11	2
VN2.4N 1.2W	176	.44	257	63	26	13	2
VN2.4N 1.5W	177	.43	241	67	19	17	3
VN2.4N 1.8W	195	.46	311	86	20	37	2
VN2.4N 2.1W	205	.42	299	63	19	13	4
VN2.4N 2.4W	133	.46	281	79	19	6	2
VN2.4N 2.7W	158	.44	196	75	21	6	2
VN2.4N 3W	200	.57	255	49	23	2	2
VN2.4N 3.3W	167	.38	142	32	14	2	2
VN2.4N 3.6W	209	.12	62	41	43	2	2
VN2.4N 3.9W	152	.36	164	42	21	2	2
VN2.4N 4.2W	191	.28	158	106	36	13	2
VN2.4N 4.5W	205	.10	64	35	20	2	2
VN2.4N 4.8W	213	.32	182	58	17	33	2
VN2.4N 5.1W	197	.30	152	58	27	11	2
VN2.4N 5.4W	323	.53	282	365	27	730	16
VN2.4N 5.7W	355	.51	571	379	26	758	20
VN2.4N 6W	403	.40	607	823	20	655	8
VN3N 0W	209	.35	188	91	23	26	2
VN3N 0.3W	198	.39	167	40	16	2	2
VN3N 0.6W	182	.39	157	61	15	8	2
VN3N 0.9W	192	.31	105	49	12	2	2
VN3N 1.2W	178	.35	200	97	36	15	2
VN3N 1.5W	193	.36	287	110	38	18	2
VN3N 1.8W	166	.36	193	110	30	18	2
VN3N 2.1W	158	.30	126	39	13	2	2
VN3N 2.4W	181	.35	169	60	21	7	4
VN3N 2.7W	156	.41	192	60	20	9	2
STD SY-3	267	.07	322	1802	682	220	17

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VN3N 3W	366	.53	297	82	21	55	2
VN3N 3.3W	328	.47	213	123	40	80	2
VN3N 3.6W	376	.53	129	56	17	71	2
VN3N 3.9W	391	.52	129	102	20	86	2
VN3N 4.2W	414	.48	254	94	19	75	2
VN3N 4.5W	345	.46	205	42	15	40	2
VN3N 4.8W	360	.37	170	64	14	48	2
VN3N 5.1W	380	.35	170	76	11	77	2
VN3N 5.7W	675	.02	231	108	11	54	2
VN3N 6W	477	.07	115	129	17	66	2
VN3.6N 0W	211	.34	84	220	16	142	2
VN3.6N 0.3W	356	.54	299	205	23	125	2
VN3.6N 0.6W	452	.53	263	151	24	84	7
VN3.6N 0.9W	372	.42	141	181	19	105	2
VN3.6N 1.2W	298	.34	127	231	18	128	2
VN3.6N 1.5W	262	.34	112	145	16	122	2
VN3.6N 1.8W	292	.42	147	181	21	110	2
VN3.6N 2.1W	233	.37	209	218	20	129	2
VN3.6N 2.4W	267	.37	152	164	16	122	2
VN3.6N 2.7W	294	.32	207	191	26	87	2
VN3.6N 3W	288	.36	160	204	19	119	2
VN3.6N 3.3W	344	.40	133	167	20	108	2
VN3.6N 3.6W	293	.37	144	154	24	103	2
VN3.6N 3.9W	336	.42	145	116	29	69	2
VN3.6N 4.2W	413	.57	274	32	27	11	2
VN3.6N 4.5W	410	.61	222	30	36	24	2
VN3.6N 4.8W	314	.62	277	43	29	59	2
VN3.6N 5.1W	382	.59	221	34	20	33	2
VN3.6N 5.4W	359	.49	97	115	34	82	2
VN3.6N 5.7W	410	.50	102	106	30	86	2
VN3.6N 6W	287	.41	308	81	15	111	6
VN4.2N 0W	385	.60	134	38	22	32	2
VN4.2N 0.3W	398	.64	91	58	23	33	5
VN4.2N 0.6W	331	.65	110	159	24	83	2
VN4.2N 0.9W	375	.63	263	73	18	41	2
VN4.2N 1.2W	368	.63	136	136	21	104	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VN4.2N 1.5W	326	.56	212	112	39	71	2
VN4.2N 1.8W	324	.40	106	61	29	69	2
VN4.2N 2.1W	339	.43	139	73	31	74	2
VN4.2N 2.4W	402	.44	235	132	38	68	2
VN4.2N 2.7W	498	.56	293	14	43	2	2
VN4.2N 3.3W	356	.41	226	84	33	52	2
VN4.2N 3.3W	250	.34	89	62	25	68	2
VN4.2N 3.6W	312	.33	155	56	39	38	2
VN4.2N 3.9W	591	.31	166	10	79	2	2
VN4.2N 4.2W	257	.40	199	87	34	75	2
VN4.2N 4.5W	339	.46	235	55	32	51	2
VN4.2N 4.8W	334	.54	162	110	43	57	2
VN4.2N 5.1W	334	.57	335	129	46	75	2
VN4.2N 5.4W	411	.49	319	46	41	24	2
VN4.2N 5.7W	347	.49	131	74	39	58	2
VN4.2N 6W	379	.47	156	87	32	84	2
VN4.8N 0W	416	.50	192	131	53	54	2
VN4.8N 0.6W	406	.60	315	104	45	47	2
VN4.8N 0/6AW	381	.58	306	132	46	73	2
VN4.8N 0.9W	312	.54	211	160	45	73	2
VN4.8N 1.2W	395	.52	314	173	45	89	2
VN4.8N 1.5W	392	.56	332	178	40	85	2
VN4.8N 1.8W	367	.55	262	143	39	94	2
VN4.8N 2.1W	431	.56	293	232	48	91	2
VN4.8N 2.4W	349	.53	113	187	36	117	2
VN4.8N 2.7W	325	.47	62	198	39	141	2
VN4.8N 3W	286	.49	225	187	37	131	2
VN4.8N 3.3W	327	.45	91	179	37	111	2
VN4.8N 3.6W	208	.33	186	175	33	89	2
VN4.8N 3.9W	249	.39	214	101	34	89	2
VN4.8N 4.2W	291	.38	231	142	39	65	3
VN4.8N 4.5W	294	.33	168	112	34	48	2
VN4.8N 4.8W	305	.45	201	86	36	49	2
VN4.8N 5.1W	379	.53	300	63	42	36	2
VN4.8N 5.4W	367	.52	151	119	57	61	2
VN4.8N 5.7W	230	.39	275	176	45	92	2
VN4.8N 6W	283	.55	281	164	46	102	2

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VN2.4N 0W	168	.20	28	21	20	6	2
VN3N 1.8W	214	.28	52	70	29	19	2
VN3.1N 2.1W	124	.15	3	7	16	2	2
VN3.6N 2.8W	201	.32	138	150	42	24	6
VN4.2N 3.7W	139	.20	53	50	20	16	4
VN4.8N 4.5W	200	.23	33	89	36	8	2
VN4.8N 4.8W	154	.27	69	119	30	37	3

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
P OW ON	448	.60	255	101	27	81	2
P OW 0.3N	458	.61	294	134	34	107	5
P OW 0.6N	730	.26	144	33	17	29	2
P OW 0.9N	505	.59	241	67	24	104	2
P OW 1.2N	489	.46	117	44	37	63	2
P OW 1.5N	869	.02	190	5	6	16	2
P OW 1.8N	753	.02	118	8	29	16	2
P OW 2.1W	424	.69	361	134	31	118	2
P OW 2.4W	370	.88	186	446	46	198	2
P OW 2.7N	217	.33	121	170	14	115	2
P OW 3N	307	.42	163	349	24	120	2
P OW 3.3N	370	.52	83	225	27	129	2
P OW 3.6N	376	.51	177	267	23	123	2
P 0.3W 0.6N	551	.73	230	44	36	80	2
P0.6W ON	479	.34	133	35	14	47	2
P 0.6W 0.3N	251	.46	172	110	16	95	2
P 0.6W 0.9N	744	.06	100	2	28	2	2
P 0.6W 1.2N	894	.02	252	4	7	3	2
P 0.6W 1.5N	515	.50	73	19	12	77	2
P 0.6W 1.8N	262	.53	92	42	14	97	2
P 0.6W 2.1N	248	.40	130	32	14	69	2
P 0/6W 2.4N	281	.48	175	138	23	88	2
P 0.6W 3.3N	312	.28	69	106	19	16	2
P 0.6W 3.6N	359	.54	240	270	21	151	2
P 1.2W ON	717	.02	98	2	3	2	2
P 1.2W 0.3N	1091	.05	316	2	6	2	2
P 1.2W 0.6N	882	.03	265	16	3	22	2
P 1.2W 0.9N	627	.01	2	32	2	33	3
P 1.2W 1.2N	650	.03	53	2	2	6	2
P 1.2W 1.5N	1218	.02	305	11	6	14	2
P 1.2W 1.8N	493	.02	43	29	8	26	2
P 1.2W 2.1N	367	.48	263	59	30	62	2
P 1.2W 2.4N	535	.07	70	2	16	2	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
P 1.2W 3N	341	.69	323	147	41	111	2
P 1.2W 3.3W	446	.29	72	403	136	112	4
P 1.2W 3.6N	532	.55	253	246	22	116	4
P 1.8W ON	540	.03	81	69	2	49	2
P 1.8W 0.3N	631	.02	81	45	2	26	2
P 1.8W 0.6N	611	.02	80	50	2	34	2
P 1.8W 0.9N	588	.02	55	10	2	9	2
P 1.8W 1.2N	506	.01	35	35	2	20	2
P 1.8W 1.5N	468	.02	159	2	2	2	2
P 1.8W 1.8N	730	.10	96	2	2	2	2
P 1.8W 2.1N	643	.08	34	2	66	2	2
P 1.8W 2.4N	266	.60	198	200	20	113	2
P 1.8W 3N	306	.44	192	266	36	149	2
P 1.8W 3.6N	779	.08	152	2	10	10	2
P 2.4W ON	389	.18	109	80	7	31	2
P 2.4W 0/3N	764	.03	92	2	2	2	2
P 2.4W 0.6N	455	.47	206	135	14	117	2
P 2.4W 0.9N	743	.03	169	2	2	2	2
P 2.4W 1.2N	1016	.02	209	2	2	2	2
P 2.4W 1.5N	706	.02	70	2	3	2	2
P 2.4W 1.8N	530	.05	139	14	2	11	2
P 2.4W 2.1N	780	.02	196	9	2	2	2
P 2.4W 2.4N	1311	.06	121	2	2	2	2
P 2.4W 2.7N	519	.25	189	37	17	39	6
P 2.4W 3N	877	.03	241	2	23	4	2
P 3W ON	587	.02	108	33	2	14	2
P 3W 0.3N	561	.01	162	93	2	55	2
P 3W 0.6N	521	.14	29	88	15	67	2
P 3W 0.9N	553	.01	76	71	2	41	2
P3W 1.2N	546	.01	102	88	2	54	2
P 3W 1.5N	622	.01	82	49	2	36	2
P 3W 1.8N	663	.02	80	49	5	37	3
P 3W 2.1N	663	.19	133	52	5	49	2
P3W 2.4N	522	.01	278	117	2	77	2
P 3W 2.7N	846	.03	93	2	2	2	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
P 3W 3N	628	.05	28	28	40	2	2
P 3W 3.3N	504	.03	38	21	11	2	2
P 3W 3.6N	550	.09	72	29	11	18	2
P 3.6W ON	488	.41	154	93	32	72	3
P 3.6W 0.3N	229	.14	55	110	12	51	2
P 3.6W 0.6N	448	.55	222	161	27	140	3
P 3.6W 0.9N	655	.38	165	124	26	96	2
P 3.6W 1.2N	724	.10	58	35	13	29	2
P 3.6W 1.5N	568	.01	4	87	4	58	2
P 3.6W 1.8N	661	.02	16	70	17	49	2
P 3.6W 2.1N	788	.02	75	108	7	83	2
P 3.6W 2.4N	743	.01	29	84	5	62	2
P 3.6W 2.7N	741	.03	26	88	12	59	2
P 3.6W 3N	743	.04	34	131	18	100	2
P 3.6W 3.3N	664	.02	26	103	8	57	2
P 3.6W 3.6N	374	.51	192	292	27	197	2
P 4.2W ON	401	.37	137	230	26	171	5
P 4.2W 0.3N	288	.02	39	182	5	114	2
P 4.2W 0.6N	664	.04	26	141	6	107	2
P 4.2W 0.9N	547	.02	16	113	5	60	2
P 4.2W 1.2N	622	.12	54	62	17	30	3
P 4.2W 1.5N	520	.01	8	112	4	76	2
P 4.2W 2.1N	550	.02	15	110	12	65	2
P 4.2W 2.4N	572	.01	13	75	10	21	2
P 4.2W 2.7N	800	.02	9	64	6	44	2
P 4.2W 3N	677	.01	16	57	3	19	2
P 4.2W 3.3N	744	.02	25	162	10	109	2
P 4.2W 3.6N	400	.54	193	329	32	187	6
P 4.8W ON	306	.64	181	237	27	197	2
P 4.8W 0.3N	593	.04	10	98	6	52	2
P4.8W 0.6N	557	.02	8	112	6	71	2
P 4.8W 0.9N	646	.01	12	95	8	45	2
P 4.8W 1.2N	638	.03	5	74	4	19	2
P 4.8W 1.5N	633	.28	118	165	18	101	2
P 4.8W 1.8N	679	.02	7	69	6	37	2
P4.8W 2.1N	667	.02	2	36	8	19	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
P 4.8W 2.4N	719	.06	31	2	9	2	2
P 4.8W 2.7N	754	.04	30	2	6	2	2
P 4.8W 3N	708	.04	21	2	14	2	2
P 4.8W 3.6N	450	.67	244	2	25	2	2
P 5.4W ON	470	.42	131	69	27	46	2
P 5.4W 0.3N	535	.35	123	2	43	2	2
P 5.4W 0.6N	431	.52	211	72	28	46	2
P 5.4W 0.9N	438	.65	277	27	30	33	7
P 5.4W 1.2N	411	.78	329	2	28	2	2
P 5.4W 1.5N	400	.61	272	80	34	34	4
P 5.4W 1.8N	685	.03	31	2	2	2	6
P 5.4W 2.1N	683	.14	65	2	11	2	2
P 5.4W 2.4N	661	.04	23	2	2	2	2
P 5.4W 2.7N	732	.03	15	2	11	2	2
P 5.4W 3N	502	.01	17	2	2	2	2
P 5.4W 3.3N	565	.72	245	2	27	2	2
P 5.4W 3.6N	1710	.29	144	2	30	2	2
P 6W 1.5N	449	.47	111	2	30	2	2
P 6W 1.8N	690	.04	129	2	12	2	8
P 6W 2.1N	434	.80	276	2	27	41	2
P 6W 2.4N	768	.14	92	2	13	2	2
P6W 2.7N	590	.70	214	2	25	2	6
P 6W 3N	669	.08	31	2	28	2	2
P 6W 3.3N	390	.48	215	133	27	69	2
P6W 3.6N	405	.54	227	213	55	93	2
P 6.6W 1.5N	309	.66	186	120	29	107	5
P 6.6W 1.8N	416	.55	175	69	24	57	2
P6.6W 2.1N	496	.57	127	107	20	108	2
P 6.6W 2.4N	653	.19	19	2	31	7	2
P 6.6W 2.7N	465	.53	186	75	24	87	2
P 6.6W 3N	604	1.05	169	85	19	185	7
P 6.6W 3.3N	513	.37	76	50	20	60	4
P 6.6W 3.6N	441	.47	182	51	54	37	9
P 7.2W 3.6N	435	.54	165	137	45	54	2

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
G-1000	415	.65	266	399	75	162	4
G-1001	358	.51	218	362	63	125	4
G-1002	367	.59	266	357	77	179	3
G-1003	392	.60	195	580	90	177	4
G-1004	465	1.00	378	767	133	247	14
G-1005	390	.63	333	597	96	197	6
G-1006	381	.58	322	567	82	201	10
G-1007	428	.87	285	792	121	268	15
G-1008	412	.62	313	483	91	185	2
G-1009	433	.73	256	849	131	224	3
G-1010	422	.63	290	861	87	321	6
G-1011	448	.93	118	894	147	264	9
G-1012	347	.82	249	1037	180	250	2
G-1014	423	.69	239	761	129	179	2
G-1015	453	.55	256	581	101	172	8
G-1016	431	.95	381	1167	198	311	2
G-1017	401	.57	306	530	106	178	2
G-1018	350	.56	243	633	133	237	6
G-1019	355	.57	311	923	136	251	2
G-1020	350	.47	163	717	148	216	3
G-1021	373	.93	392	873	153	288	7
G-1022	435	1.35	500	818	196	256	2
G-1023	447	.94	208	815	95	333	8
G-1024	359	.46	213	519	72	162	2
G-1025	328	.43	229	468	77	177	2
G-1026	369	.50	203	454	97	129	2
G-1027	349	.52	278	520	99	173	2
G-1028	323	.52	253	570	92	200	5
G-1029	347	.43	270	339	74	95	10
G-1030	325	.47	216	293	84	148	13
G-1031	349	.52	263	488	93	176	2
G-1032	273	.31	66	327	65	126	7
G-1033	412	.63	286	500	114	133	2
G-1034	348	.63	296	543	115	184	2
G-1035	364	.45	249	359	85	180	5
G-1036	318	.40	109	416	107	158	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
G-1037	464	.59	275	378	105	119	5
G-1038	431	.51	256	397	112	84	10
G-1039	355	.34	120	271	81	84	11
G-1040	337	.43	185	472	91	162	6
G-1041	302	.29	109	160	73	91	3
G-1042	404	.76	273	613	175	161	27
G-1043	312	.26	126	153	69	45	10
G-1044	355	.80	262	835	180	232	2
G-1045	395	.69	276	688	187	172	10
GT1-1	708	.06	73	2	15	2	2
GT1-2	687	.05	72	14	16	21	2
GT1-3	610	.02	15	2	11	2	3
GT1-4	650	.02	38	2	13	2	2
GT1-6	688	.03	49	2	12	2	2
GT1-7	767	.05	49	2	16	20	2
GT1-8	409	.51	202	165	44	125	3
GT1-9	428	.58	276	163	47	124	5
GT1-10	428	.55	250	127	47	91	3
GT1-11	405	.55	210	126	51	99	5
GT1-12	434	.52	211	111	43	91	8
GT1-14	424	.53	231	115	51	105	9
GT1-15	360	.51	177	273	47	214	2
GT1-16	412	.55	263	138	44	127	6
GT2-1	421	.67	275	312	53	215	2
GT2-A1	440	.53	152	255	44	199	9
GT2-2	384	.82	199	346	50	220	7
GT2-A2	457	.64	184	311	47	222	3
GT2-3	404	.90	272	396	63	211	7
GT2-4	412	.78	159	424	56	255	6
GT2-5	448	1.18	559	718	86	303	6
GT2-6	426	.67	276	515	65	220	2
GT2-7	325	.57	150	357	48	160	4
GT2-8	399	.51	141	209	49	107	2
GT2-9	402	.61	201	230	54	157	3
GT2-10	427	.46	178	278	63	147	4

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
GT2-11	384	.59	217	263	47	166	7
GT2-12	398	1.05	285	483	54	271	11
GT2-13	389	.48	200	400	64	227	2
GT2-14	467	.61	295	348	61	195	2
GT2-15	372	.95	258	823	65	405	16
GT3-1	361	.52	297	722	147	199	4
GT3-A1	352	1.11	447	803	112	356	12
GT3-B1	331	.32	183	450	92	81	3
GT3-C1	294	.22	138	293	75	74	2
GT3-BA1	319	.36	273	471	99	121	2
GT3-BB1	323	.40	235	468	98	121	3
GT3-BC1	356	.42	421	452	113	103	12
GT3-2	330	.58	282	834	165	145	18
GT3-A2	404	1.26	593	584	93	325	10
GT3-B2	459	1.16	428	440	75	239	11
GT3-BA2	291	.36	243	327	85	136	9
GT3-A3	284	.29	169	283	62	103	4
GT3-B3	320	.35	275	358	90	104	2
GT3-4	219	.25	77	322	105	108	7
GT3-A4	274	.56	211	322	40	200	6
GT3-B4	333	.36	291	347	98	62	5
GT3-5	241	.42	269	710	131	177	7
GT3-A5	230	.35	188	218	36	156	2
GT3-B5	289	.31	160	265	78	95	4
GT3-6	250	.26	92	218	64	79	2
GT3-A6	431	.92	365	346	57	215	3
GT3-B6	364	.42	350	429	102	92	2
GT3-7	260	.56	186	1229	195	236	2
GT3-B7	331	.35	183	284	71	64	2
GT3-8	291	.42	215	591	125	128	2
GT3-B8	253	.31	223	401	92	109	3
GT3-9	201	.14	84	156	33	72	2
GT3-10	235	.34	175	533	95	126	2
GT3-11	267	.49	264	779	136	162	5
GT3-12	306	.60	127	1029	208	165	11
GT3-13	281	.59	153	764	163	184	10
GT3-14	287	.38	168	524	127	72	2

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
GT3-15	272	.28	70	180	106	23	3
GT3-16	197	.20	49	200	75	43	4
GT3-17	288	.37	46	388	103	55	2
GT3-18	259	.21	37	105	61	2	2
GT3-19	319	.28	42	430	112	9	2
GT3-20	358	.35	59	433	109	16	2
GT3-21	297	.34	93	372	105	26	2
GT3-22	275	.22	73	141	59	22	2
GT3-23	248	.19	47	66	36	2	2
GT3-24	288	.39	143	512	122	60	2
GT3-25	338	.52	138	627	167	52	2
GT3-26	249	.21	37	144	53	6	5
GT3-27	207	.16	35	90	52	42	2
GT3-28	282	.30	78	255	81	34	7
GT3-29	224	.24	65	181	77	3	6

G.A. NOEL & ASSOCIATES FILE # 82-0667

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
GT3-30	211	.20	82	398	72	162	2
GT3-31	281	.36	115	609	135	131	2
GT3-32	284	.38	194	613	111	194	3
GT3-33	280	.27	190	349	71	109	2
GT3-34	242	.21	82	290	64	152	3
GT3-35	220	.17	63	315	54	166	2
GT3-36	173	.13	48	369	75	129	3
GT3-37	211	.15	68	266	94	110	5
GT3-38	191	.11	42	230	52	122	2
GT3-39	242	.12	52	115	62	51	7
GT3-40	254	.19	76	403	97	112	2
GT3-41	260	.17	60	236	60	87	7
GT3-42	207	.16	72	444	83	148	2
GT3-43	198	.12	31	175	42	112	2
GT4-1	257	.42	231	327	54	207	5
T44-2	269	.39	147	248	58	132	5
GT4-3	250	.43	185	330	56	210	4
GT4-4	240	.30	108	212	46	137	2
GT5-1	299	.40	142	268	65	161	8
LW OW 2.8N	372	.48	224	236	57	138	2
LW OW 3.1N	238	.35	106	308	45	202	3
LW OW 3.4N	216	.28	80	268	44	174	9
LW OW 3.7N	315	.43	341	315	56	171	2
LW OW 4N	256	.40	60	226	49	148	2
LW OW 4.3N	297	.54	259	203	54	130	9
LW OW 4.6N	219	.30	77	341	74	217	2
LW OW 4.9N	270	.45	123	351	61	235	9
LW OW 5.1N	479	.53	146	345	59	228	5
LW OW 5.15N	10012	.52	551	1803	156	1354	53
LW 0.6W 2.8N	409	.48	173	213	56	200	6
LW 0.6W 3.1N	557	.39	113	249	53	182	7
LW 0.6W 3.4N	342	.52	156	164	50	149	8
LW 0.6W 3.7N	350	.49	228	249	52	186	4
LW 0.6W 4N	376	.49	252	83	49	77	8
LW 0.6W 4.3N	290	.44	208	216	50	135	2
LW 0.6W 4.6N	230	.33	87	225	45	149	14

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
LW 2.4W 6.4N	393	.36	153	148	49	118	9
LW 2.6W 4.9N	322	.65	313	230	51	169	5
LW 2.6W 5.2N	293	.49	230	190	46	148	9
LW 3W 2.8N	432	.53	260	168	59	124	6
LW 3W 3.1N	341	.57	213	145	48	120	2
LW 3W 3.4N	349	.59	260	146	46	127	7
LW 3W 3.7N	269	.54	214	201	43	159	2
LW 3W 4N	255	.52	231	191	43	160	5
LW 3W 4.3N	269	.52	207	182	47	157	4
LW 3W 4.6N	354	.44	231	216	48	149	3
LW 3W 4.9N	279	.45	210	207	44	156	13
LW 3W 5.2N	248	.55	74	203	46	185	18
LW 3W 5.5N	190	.56	166	281	44	244	15
LW 3W 5.8N	224	.62	137	239	44	212	18
LW 3W 6.1N	228	.84	129	172	42	187	6
LW 3W 6.4N	193	.53	151	319	52	212	2
LW 3.6W 2.8N	291	.42	190	250	42	176	2
LW 3.6W 3.1N	285	.46	231	252	45	176	12
LW 3.6W 3.4N	202	.34	105	269	38	186	2
LW 3.6W 3.7N	295	.45	171	206	43	170	2
LW 3.6W 4N	292	.53	264	270	52	193	4
LW 3.6W 4.3N	267	.43	231	257	48	163	5
LW 3.6W 4.9N	223	.46	167	333	47	235	2
LW 3.6W 5.2N	314	.57	254	205	51	157	3
LW 3.6W 5.5N	278	.60	248	330	55	223	2
LW 3.6W 5.8N	247	.46	153	305	46	219	2
LW 3.6W 6.1N	270	.48	222	300	46	220	2
LW 3.6W 6.4N	295	.47	161	289	52	208	8
LW 4.2W 2.8N	257	.42	165	335	48	234	2
LW 4.2W 3.1N	366	.57	211	289	49	238	11
LW 4.2W 3.4N	401	.57	231	244	49	197	7
LW 4.2W 3.7N	290	.65	259	237	51	216	5
LW 4.2W 4N	284	.59	244	306	50	223	2
LW 4.2W 4.3N	318	.63	213	359	51	288	8
LW 4.2W 4.6N	291	.54	250	256	49	177	16

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
LW 2.4W 6.4N	393	.36	153	148	49	118	9
LW 2.6W 4.9N	322	.65	313	230	51	169	5
LW 2.6W 5.2N	293	.49	230	190	46	148	9
LW 3W 2.8N	432	.53	260	168	59	124	6
LW 3W 3.1N	341	.57	213	145	48	120	2
LW 3W 3.4N	349	.59	260	146	46	127	7
LW 3W 3.7N	269	.54	214	201	43	159	2
LW 3W 4N	255	.52	231	191	43	160	5
LW 3W 4.3N	269	.52	207	182	47	157	4
LW 3W 4.6N	354	.44	231	216	48	149	3
LW 3W 4.9N	279	.45	210	207	44	156	13
LW 3W 5.2N	248	.55	74	203	46	185	18
LW 3W 5.5N	190	.56	166	281	44	244	15
LW 3W 5.8N	224	.62	137	239	44	212	18
LW 3W 6.1N	228	.84	129	172	42	187	6
LW 3W 6.4N	193	.53	151	319	52	212	2
LW 3.6W 2.8N	291	.42	190	250	42	176	2
LW 3.6W 3.1N	285	.46	231	252	45	176	12
LW 3.6W 3.4N	202	.34	105	269	38	186	2
LW 3.6W 3.7N	295	.45	171	206	43	170	2
LW 3.6W 4N	292	.53	264	270	52	193	4
LW 3.6W 4.3N	267	.43	231	257	48	163	5
LW 3.6W 4.9N	223	.46	167	333	47	235	2
LW 3.6W 5.2N	314	.57	254	205	51	157	3
LW 3.6W 5.5N	278	.60	248	330	55	223	2
LW 3.6W 5.8N	247	.46	153	305	46	219	2
LW 3.6W 6.1N	270	.48	222	300	46	220	2
LW 3.6W 6.4N	295	.47	161	289	52	208	8
LW 4.2W 2.8N	257	.42	165	335	48	234	2
LW 4.2W 3.1N	366	.57	211	289	49	238	11
LW 4.2W 3.4N	401	.57	231	244	49	197	7
LW 4.2W 3.7N	290	.65	259	237	51	216	5
LW 4.2W 4N	284	.59	244	306	50	223	2
LW 4.2W 4.3N	318	.63	213	359	51	288	8
LW 4.2W 4.6N	291	.54	250	256	49	177	16

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
LW 4.2W 4.9N	269	.51	276	255	48	180	11
LW 4.2W 5.2N	193	.52	200	185	44	161	2
LW 4.2W 5.5N	157	.46	152	285	43	212	2
LW 4.2W 5.8N	176	.49	192	319	45	242	2
LW 4.2W 6.1N	165	.46	165	174	40	130	3
LW 4.2W 6.4N	52	.09	10	32	25	8	3
LW 4.8W 2.8N	84	.16	25	52	29	35	2
LW 4.8W 3.1N	138	.23	70	74	31	42	2
LW 4.8W 3.4N	148	.24	93	96	35	67	2
LW 4.8W 3.7N	118	.26	87	107	32	60	6
LW 4.8W 4N	72	.18	49	106	30	64	2
LW 4.8W 4.3N	78	.17	62	120	33	74	5
LW 4.8W 4.6N	113	.26	101	121	34	82	8
LW 4.8W 4.9N	197	.53	175	2	39	16	12
LW 4.8W 5.2N	175	.37	128	2	38	14	9
LW 4.8W 5.5N	124	.30	113	23	34	23	6
LW 4.8W 5.8N	160	.29	131	54	35	46	2
LW 4.8W 6.1N	107	.31	65	74	34	63	8
LW 4.8W 6.4N	155	.26	104	93	40	32	8
LW 5.4W 3.1N	197	.32	103	41	35	32	2
LW 5.4W 3.4N	260	.35	125	101	37	71	5
LW 5.4W 3.7N	154	.37	116	124	36	109	4
LW 5.4W 4N	150	.34	130	143	37	100	2
LW 5.4W 4.3N	227	.37	160	162	39	112	14
LW 5.4W 4.6N	190	.32	131	138	37	99	2
LW 5.4W 4.9N	180	.48	202	163	43	118	8
LW 5.4W 5.2N	152	.40	167	193	43	139	10
LW 5.4W 5.5N	124	.28	94	142	33	98	4
LW 5.4W 5.8N	106	.28	54	165	33	111	2
LW 5.4W 6.1N	171	.23	85	227	62	164	2
LW 5.4W 6.4N	187	.48	161	148	39	122	7
LW 6W 3.1N	226	.38	148	213	39	164	2
LW 6W 3.4N	229	.41	125	159	47	120	6
LW 6W 3.7N	224	.36	143	168	38	104	2
LW 6W 4N	187	.57	133	181	48	113	15
LW 6W 4.3N	236	.34	170	210	41	141	4
LW 6W 4.6N	243	.46	192	186	43	128	4

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
LW 6W 4.9N	184	.36	108	69	37	75	10
LW 6W 5.2N	194	.39	127	88	39	77	2
LW 6W 5.5N	155	.34	100	60	39	82	2
LW 6W 5.8N	208	.34	137	126	69	95	9
LW 6W 6.1N	216	.38	139	177	50	114	2
LW 6W 6.4N	143	.41	150	225	39	172	3
V1-1	105	.16	54	279	53	151	2
V1-2	153	.22	71	352	53	177	3
V1-3	154	.23	94	345	53	176	2
V1-4	103	.14	64	320	36	208	2
V1-5	144	.22	99	305	54	182	2
V1-6	136	.18	103	345	50	189	2
V1-7	125	.16	83	266	44	163	7
V1-8	82	.11	33	23	34	9	3
V1-9	157	.36	111	168	53	93	2
V1-10	116	.18	76	326	57	176	2
V1A-1	124	.19	93	380	55	196	7
V1A-2	100	.17	47	277	48	195	2
V1A-3	144	.20	124	352	45	213	5
V1A-4	145	.20	118	323	56	198	8
V1A-5	154	.20	92	205	44	136	3
V1A-6	128	.21	93	292	62	158	2
V1A-7	79	.14	55	212	45	119	3
V1A-8	105	.15	67	162	42	74	2
V1A-9	108	.16	82	204	46	103	4
V1A-10	108	.16	92	254	46	124	7
V1A-11	110	.22	142	567	103	217	2
V1A-12	84	.11	56	147	43	92	8
V1A-13	163	.27	145	322	86	94	3
V1A-14	121	.18	72	130	44	69	2
V1A-15	153	.25	176	352	74	122	10
V1A-16	127	.22	81	263	51	116	2
V1A-17	115	.17	140	345	56	145	6
V1A-18	199	.31	251	446	94	167	5
V1AT-1	127	.28	110	317	50	165	2
V1AT-2	109	.29	77	177	45	117	6
V1AT-3	131	.45	113	183	39	135	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
V2-10	104	.16	147	103	50	49	2
V2-11	184	.19	177	119	35	90	2
V2-11A	113	.18	138	54	53	18	2
V2-12	193	.34	189	361	47	212	8
V2-13	183	.25	212	355	48	182	7
V2-14	238	.32	241	280	45	155	2
V2-15	245	.36	297	298	53	169	2
V2-16	177	.18	186	152	37	62	4
V2-17	268	.32	278	375	50	172	2
V2-18	215	.19	156	280	40	115	2
V2-20	242	.17	165	151	38	84	6
V2-21	247	.19	197	165	38	80	2
V2-22	170	.12	135	149	34	76	2
V2-23	188	.12	177	188	34	95	2
V2-24	239	.17	200	219	38	99	11
V2-25	191	.18	170	210	39	95	2
V3-10	158	.26	174	237	41	122	8
V3-11	194	.29	147	114	40	97	2
VT-19	289	.25	193	373	47	206	12
ON 30M	216	.40	260	251	44	106	5
ON 40M	298	.46	258	330	53	94	2
ON 50M	371	.40	238	572	47	192	2
ON 60M	376	.38	237	448	49	54	11
ON 70M	219	.28	179	528	40	106	9
ON 80M	139	.27	167	629	37	145	6
ON 90M	597	.35	187	2273	65	270	25
ON 100M	126	.37	152	319	39	183	2
ON 110M	538	.34	122	955	62	421	18
ON 115M	750	.32	118	1138	83	412	20
ON 120M	324	.30	180	554	51	381	13
ON 125M	624	.39	108	597	58	371	8
ON 130M	696	.25	424	471	38	305	12
ON 140M	487	.33	289	671	48	422	11
ON 150M	540	.39	161	835	97	337	12
ON 160M	268	.31	189	202	41	96	2
ON 170M	184	.37	188	167	40	139	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
ON 180M	174	.33	286	406	27	281	2
ON 190M	176	.37	303	457	26	311	7
ON 200M	154	.31	262	295	24	210	2
119	300	.36	245	299	26	203	2
135	371	.39	195	558	33	407	15
149.5	672	.49	620	757	46	571	26
165	354	.45	213	786	32	368	12
187.5	362	.36	180	800	28	353	10
200.5	796	.54	595	709	37	591	24
215.8	730	.54	190	895	45	735	26
230.8	625	.48	193	858	43	692	34
243.5	350	.24	274	382	32	274	2
579.6	154	.15	174	372	38	274	2
916.3	167	.34	230	300	50	275	8
941.4	174	.46	345	428	38	338	5
119E	670	.46	160	867	39	450	15
135E	525	.43	135	1164	37	366	11
149.5E	355	.37	235	535	26	326	5
165.2E	345	.42	276	667	27	303	9
187.5E	529	.34	245	1383	32	469	24
200.5E	497	.43	142	989	33	355	10
215.3E	548	.39	222	796	41	546	19
230.8E	266	.21	191	714	26	364	2
135W	282	.31	241	310	26	215	2
149.5W	165	.19	174	251	21	180	2
165.2W	204	.24	188	283	25	196	7
187.5W	161	.17	212	421	24	405	13
200.5W	271	.27	157	490	37	346	9
215.3W	170	.23	222	428	25	327	9
230.8W	139	.18	386	338	21	291	8

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS ON 0W	117	.26	281	369	192	282	2
VS ON 0.3W	105	.30	322	489	198	367	2
VS ON 0.6W	132	.35	384	476	203	339	5
VS ON 0.9W	87	.26	311	386	194	270	3
VS ON 1.2W	112	.25	300	335	193	250	4
VS ON 1.5W	127	.28	356	358	197	275	2
VS ON 1.8W	152	.28	363	406	194	277	5
VS ON 2.1W	122	.26	315	374	193	265	14
VS ON 2.4W	118	.28	360	399	193	308	7
VS ON 2.7W	330	.27	233	743	212	414	5
VS ON 3W	161	.24	279	362	190	286	11
VS ON 3.3W	150	.30	263	351	194	257	12
VS ON 3.6W	145	.29	341	369	193	263	4
VS ON 3.9W	357	.29	303	349	194	256	2
VS ON 4.2W	199	.30	313	536	194	269	11
VS ON 4.5W	162	.28	333	359	191	261	2
VS ON 4.8W	382	.20	263	342	220	223	2
VS ON 5.1W	518	.17	199	320	241	239	15
VS ON 5.4W	657	.06	214	323	230	213	2
VS ON 5.7W	535	.02	284	322	191	228	2
VS ON 6W	242	.25	311	384	198	248	2
VS ON 6.3W	251	.41	376	338	198	257	8
VS ON 6.6W	272	.36	318	352	196	285	7
VS ON 6.9W	195	.41	419	429	197	325	2
VS 0.6N 0W	189	.51	388	357	197	301	5
VS 0.6N 0.3W	142	.33	344	393	193	296	13
VS 0.6N 0.6W	156	.34	353	356	198	255	9
VS 0.6N 0.9W	196	.30	331	332	197	240	2
VS 0.6N 1.2W	196	.35	368	346	199	257	16
VS 0.6N 1.5W	176	.36	370	317	202	246	2
VS 0.6N 1.8W	156	.31	351	369	200	278	2
VS 0.6N 2.1W	171	.31	359	372	198	279	2
VS 0.6N 2.4W	239	.49	456	244	201	209	8
VS 0.6N 2.7W	393	.40	387	190	208	162	2
VS 0.6N 3W	348	.43	337	324	198	262	2
VS 0.6N 3.3W	274	.41	428	326	202	266	9
VS 0.6N 3.6W	1137	.06	202	243	206	174	6

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS 0.6N 3.9W	412	.27	225	230	167	173	2
VS 0.6N 4.2W	407	.11	123	266	195	171	2
VS 0.6N 4.5W	138	.17	171	291	163	221	2
VS 0.6N 4.8W	109	.22	177	262	164	214	2
VS 0.6N 5.1W	158	.19	175	271	163	192	2
VS 0.6N 5.4W	110	.16	168	245	162	177	2
VS 0.6N 5.7W	159	.25	184	319	170	217	2
VS 0.6N 6W	191	.27	225	342	169	254	2
VS 0.6N 6.3W	192	.39	281	459	176	303	2
VS 0.6N 6.6W	294	.22	148	445	260	298	2
VS 0.6N 6.9W	562	.16	112	416	339	288	2
VS 1.2N 0W	273	.36	467	550	180	352	3
VS 1.2N 0.3W	276	.38	324	432	176	295	2
VS 1.2N 0.6W	260	.31	243	290	169	218	2
VS 1.2N 0.9W	253	.32	288	359	173	227	7
VS 1.2N 1.2W	257	.36	381	325	173	227	2
VS 1.2N 1.5W	227	.31	252	259	171	212	5
VS 1.2N 1.8W	207	.30	295	343	173	225	2
VS 1.2N 2.1W	204	.30	237	395	170	285	5
VS 1.2N 2.4W	195	.29	218	421	180	315	8
VS 1.2N 2.7W	305	.32	248	571	173	359	2
VS 1.2N 3W	262	.29	202	565	173	339	2
VS 1.2N 3.3W	340	.21	126	423	196	289	2
VS 1.2N 3.6W	968	.03	110	345	165	232	2
VS 1.2N 3.9W	663	.12	95	394	209	236	2
VS 1.2N 4.2W	710	.19	155	321	167	245	2
VS 1.2N 4.5W	281	.26	227	321	176	237	4
VS 1.2N 4.8W	194	.40	308	369	176	258	2
VS 1.2N 5.1W	144	.40	218	392	172	307	2
VS 1.2N 5.4W	159	.30	203	415	171	317	3
VS 1.2N 5.7W	128	.37	280	413	172	292	2
VS 1.2N 6W	128	.30	265	434	170	272	5
VS 1.2N 6.3W	233	.46	369	507	176	342	7
VS 1.2N 6.6W	197	.38	291	403	175	271	4
VS 1.2N 3.9W	199	.46	75	2	150	2	2
VS 1.2N 6.9W	267	.60	500	349	180	248	8

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS 1.8N 0W	150	.24	329	340	74	245	2
VS 1.8N 0.3W	171	.36	356	263	74	206	2
VS 1.8N 0.6W	237	.30	293	347	189	163	2
VS 1.8N 0.9W	252	.30	329	298	143	172	3
VS 1.8N 1.2W	249	.30	315	249	115	155	4
VS 1.8N 1.5W	240	.30	270	214	92	151	2
VS 1.8N 1.8W	246	.33	225	137	92	103	2
VS 1.8N 2.1W	225	.27	149	151	87	103	2
VS 1.8N 2.4W	240	.36	315	119	83	60	3
VS 1.8N 2.7W	210	.36	288	144	78	99	2
VS 1.8N 3W	183	.24	189	144	78	90	2
VS 1.8N 3.3W	228	.30	189	179	97	129	2
VS 1.8N 3.6W	303	.33	275	56	83	34	2
VS 1.8N 3.9W	372	.42	207	144	115	13	2
VS 1.8N 4.2W	1086	.18	180	2	101	2	2
VS 1.8N 4.5W	1533	.06	261	2	64	2	2
VS 1.8N 4.8W	207	.33	369	81	78	39	2
VS 1.8N 5.1W	291	.57	788	179	72	103	2
VS 1.8N 5.4W	189	.48	549	168	83	95	2
VS 1.8N 5.7W	279	.45	486	35	78	2	4
VS 1.8N 6W	183	.30	360	77	78	30	2
VS 1.8N 6.3W	246	.45	441	270	78	181	2
VS 1.8N 6.6W	195	.42	437	186	83	116	2
VS 1.8N 6.9W	180	.51	306	77	74	95	2
VS 2.4N 0W	216	.30	311	203	83	155	2
VS 2.4N 0.3W	219	.33	270	266	78	198	2
VS 2.4N 0.6W	228	.30	333	214	78	155	2
VS 2.4N 0.9W	234	.33	338	228	83	159	3
VS 2.4N 1.2W	243	.33	423	270	83	185	3
VS 2.4N 1.5W	249	.33	410	221	87	129	3
VS 2.4N 1.8W	255	.33	410	273	78	202	2
VS 2.4N 2.1W	246	.33	333	231	87	138	2
VS 2.4N 2.4W	273	.30	230	193	87	108	2
VS 2.4N 2.7W	219	.27	194	200	87	112	2
VS 2.4N 3W	204	.27	189	228	83	125	2
VS 2.4N 3.3W	195	.24	126	228	83	129	2
VS 2.4N 3.6W	258	.33	248	287	83	185	2
VS 2.4N 3.9W	225	.15	176	105	74	30	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS 2.4N 4.2W	155	.18	98	28	20	60	2
VS 2.4N 4.5W	789	.04	16	14	18	37	2
VS 2.4N 4.8W	1023	.06	56	2	16	14	2
VS 2.4N 5.1W	110	.20	98	28	19	63	2
VS 2.4N 5.4W	166	.26	140	32	21	88	3
VS 2.4N 5.7W	314	.08	11	7	89	49	7
VS 2.4N 6W	101	.18	100	2	23	45	2
VS 2.4N 6.3W	146	.23	103	2	18	62	2
VS 2.4N 6.6W	106	.24	128	48	19	89	2
VS 2.4N 6.9W	100	.18	95	62	16	105	2
RE VS 3N 3.9W	190	.18	82	105	21	104	5
VS 3N 0W	141	.21	129	79	19	100	2
VS 3N 0.3W	149	.22	140	117	20	115	2
VS 3N 0.6W	114	.13	65	72	19	74	2
VS 3N 0.9W	113	.16	86	110	21	105	2
VS 3N 1.2W	139	.24	146	125	24	146	2
VS 3N 1.5W	146	.27	202	143	29	136	2
VS 3N 1.8W	140	.23	167	144	23	141	2
VS 3N 2.1W	177	.26	177	169	25	130	2
VS 3N 2.4W	206	.29	194	118	23	144	7
VS 3N 2.7W	174	.27	198	155	22	137	3
VS 3N 3W	209	.35	103	125	25	166	8
VS 3N 3.3W	342	.34	102	246	34	250	7
VS 3N 3.6W	343	.40	181	265	31	215	9
VS 3N 3.9W	376	.37	124	84	32	102	5
VS 3N 4.2W	397	.38	91	133	43	124	6
VS 3N 4.5W	549	.56	273	287	52	269	2
VS 3N 4.8W	499	.25	125	156	30	172	2
VS 3N 5.1W	1322	.17	132	155	35	181	2
VS 3N 5.4W	989	.24	100	139	114	178	4
VS 3N 5.7W	227	.57	306	171	39	190	2
VS 3N 6W	240	.51	237	223	36	229	2
VS 3N 6.3W	375	.52	299	364	51	249	4
VS 3N 6.6W	278	.66	558	360	55	271	2
VS 3N 6.9W	172	.43	195	50	30	14	2
VS 3.6N 0W	161	.15	62	231	24	222	4
VS 3.6N 0.3W	160	.27	137	259	28	251	5
VS 3.6N 0.6W	191	.29	173	254	31	232	2
VS 3.6N 0.9W	144	.25	180	272	29	263	4

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS3.6N 1.2W	386	.65	350	13	22	2	2
VS3.6N 1.5W	337	.66	320	75	28	24	4
VS3.6N 1.8W	330	.57	261	151	20	62	13
VS3.6N 2.1W	298	.56	522	194	21	117	2
VS3.6N 2.4W	289	.53	267	216	22	117	4
VS3.6N 2.7W	325	.57	281	290	17	149	2
VS3.6N 3W	263	.45	267	238	14	127	2
VS3.6N 3.3W	278	.41	272	60	9	5	2
VS3.6N 3.6W	317	.33	79	162	18	26	2
VS3.6N 3.9W	354	.06	37	31	2	2	2
VS3.6N 4.2W	398	.20	103	80	5	4	2
VS3.6N 4.5W	491	.08	85	50	2	2	4
VS3.6N 4.8W	496	.18	72	95	7	3	2
VS3.6N 5.1W	313	.11	85	131	6	16	2
VS3.6N 5.4W	267	.40	268	239	27	105	2
VS3.6N 5.7W	298	.34	192	250	24	105	2
VS3.6N 6W	434	.65	436	199	27	89	2
VS3.6N 6.3W	292	.62	366	191	50	19	2
VS3.6N 6.6W	346	.74	443	94	28	42	2
VS3.6N 6.9W	391	.90	539	257	28	87	2
VS4.2N 0W	282	.69	426	233	28	125	2
VS4.2N 0.3W	264	.60	398	258	28	115	7
VS4.2N 0.6W	266	.79	442	245	34	127	2
VS4.2N 0.9W	333	.76	482	242	30	136	5
VS4.2N 1.2W	256	.76	241	197	30	110	7
VS4.2N 1.5W	404	.73	623	227	32	100	2
VS4.2N 1.8W	347	.67	289	176	22	100	8
VS4.2N 2.1W	345	.70	298	223	21	129	2
VS4.2N 2.4W	344	.74	351	247	28	141	2
VS4.2N 2.7W	310	.78	393	220	27	140	2
VS4.2N 3W	343	.63	236	213	20	116	2
VS4.2N 3.3W	285	.81	432	268	31	158	2
VS4.2N 3.6W	478	.08	69	38	2	2	2
VS4.2N 3.9W	381	.38	188	170	22	77	2
VS4.2N 4.2W	420	.45	149	237	22	98	2
VS4.2N 4.5W	420	.12	115	104	11	5	2
VS4.2N 4.8W	838	.04	204	181	6	52	2
VS4.2N 5.1W	445	.51	611	383	31	213	2

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS4.2N 5.4W	356	.30	313	198	36	163	2
VS4.2N 5.7W	397	.41	215	272	51	233	4
VS4.2N 6W	372	.38	306	317	47	230	14
VS4.2N 6.3W	587	.02	17	242	38	5	2
VS4.2N 6.6W	804	.33	102	242	74	185	5
VS4.2N 6.9W	917	.40	135	350	62	331	3
VS4.8N 0W	236	.50	275	41	40	79	5
VS4.8N 0.3W	186	.60	159	105	41	114	2
VS4.8N 0.6W	238	.61	404	92	46	104	2
VS4.8N 0.9W	263	.61	390	134	45	156	2
VS4.8N 1.2W	225	.51	243	82	40	108	2
VS4.8N 1.5W	310	.70	356	45	46	99	2
VS4.8N 1.8W	283	.74	242	71	43	128	12
VS4.8N 2.1W	260	.57	273	66	42	104	2
VS4.8N 2.4W	255	.60	357	71	44	96	3
VS4.8N 2.7W	309	.52	323	107	39	104	2
VS4.8N 3W	289	.51	240	159	42	150	2
VS4.8N 3.3W	300	.50	394	144	43	135	11
VS4.8N 3.6W	407	.28	254	2	43	10	2
VS4.8N 3.9W	555	.08	39	2	62	17	2
VS4.8N 4.2W	503	.02	29	2	26	2	9
VS4.8N 4.5W	424	.22	58	37	77	33	2
VS4.8N 4.8W	356	.31	275	82	34	59	8
VS4.8N 5.1W	239	.19	161	227	31	216	2
VS4.8N 5.4W	444	.36	261	147	49	123	2
VS4.8N 5.7W	641	.37	156	107	50	75	2
VS4.8N 6W	632	.37	368	270	53	183	4
VS4.8N 6.3W	488	.53	305	420	46	405	9
VS4.8N 6.6W	462	.48	521	551	36	350	10
VS4.8N 6.9W	338	.51	541	325	40	273	9
VS5.4N 0W	210	.57	266	50	43	68	7
VS5.4N 0.3W	224	.55	218	55	52	96	2
VS5.4N 0.6W	201	.60	328	167	49	170	2
VS5.4N 0.9W	210	.55	194	148	42	137	3
VS5.4N 1.2W	316	.72	384	211	52	203	2
VS5.4N 1.8W	306	.63	344	169	49	191	5

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS5.4N 2.1W	336	.82	477	302	64	176	7
VS5.4N 2.4W	358	.75	574	115	59	72	2
VS5.4N 2.7W	311	.66	286	186	57	134	11
VS5.4N 3W	320	.66	235	251	55	193	17
VS5.4N 3.3W	341	.63	451	263	55	144	2
VS5.4N 3.6W	335	.63	503	307	55	223	2
VS5.4N 3.9W	303	.63	517	279	55	153	2
VS5.4N 4.2W	357	.56	383	193	52	116	7
VS5.4N 4.5W	523	.22	119	169	46	77	7
VS5.4N 4.8W	899	.02	35	2	22	2	2
VS5.4N 5.1W	533	.48	384	421	57	257	6
VS5.4N 5.4W	423	.49	341	410	57	202	5
VS5.4N 5.7W	308	.45	156	234	48	156	2
VS5.4N 6W	354	.80	435	404	63	215	2
VS5.4N 6.3W	322	.37	116	220	45	131	19
VS5.4N 6.6W	372	.66	274	380	51	327	15
VS5.4N 6.9W	740	.66	83	2198	107	816	6
VS6N 0W	240	.58	227	88	50	53	5
VS6N 0.3W	240	.63	275	86	50	9	7
VS6N 0.6W	218	.64	169	170	52	149	2
VS6N 0.9W	211	.62	142	241	50	168	6
VS6N 1.2W	257	.65	170	114	55	94	12
VS6N 1.5W	317	.80	153	95	57	94	10
VS6N 1.8W	249	.62	239	305	51	235	10
VS6N 2.1W	272	.65	272	258	56	159	2
VS6N 2.4W	256	.70	357	193	60	121	9
VS6N 2.7W	223	.89	224	109	64	112	3
VS6N 3W	213	.66	118	14	47	41	6
VS6N 3.3W	219	.43	254	177	41	93	3
VS6N 3.6W	215	.49	288	373	48	215	2
VS6N 3.9W	268	.62	147	67	48	63	3
VS6N 4.2W	312	.68	378	244	54	144	5
VS6N 4.5W	347	.71	263	130	57	77	5
VS6N 4.8W	396	.60	397	199	51	85	3
VS6N 5.1W	365	.45	189	211	46	48	14
VS6N 5.4W	328	.56	231	134	51	59	5
VS6N 5.7W	366	.71	359	338	59	81	8

SAMPLE #	SR ppm	TI. %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
VS6N 6W	314	.72	345	243	15	306	12
VS6N 6.3W	391	.62	267	209	12	272	2
VS6N 6.6W	423	.77	702	455	27	405	12
VS6N 6.9W	816	.91	1652	1148	31	1695	26
VS3N 5.1W SILT	602	.67	272	474	50	373	15
VS3N 5.8W SILT	487	.48	164	318	27	295	2
VS3.6N 5.9W SILT	357	.36	247	163	10	200	2
VS4.2N 3.7WSILT	385	.55	277	301	31	303	7
VS4.6N 5.1WSILT	355	.33	165	129	10	181	14
VS4.8N 3.6WSILT	338	.47	203	317	33	311	2

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS, VANCOUVER B.C. PH:253-3158 TELEX:04-53124

ICP GEOCHEMICAL ANALYSIS

A .100 gram Sample fused with Na_2O_2 dissolved in water and diluted to 10 mls with 6N HNO_3 .

SAMPLE TYPE - ROCK CHIPS

DATE RECEIVED AUG 23 1982 DATE REPORTS MAILED Aug 24/82 ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

G.A. NOEL & ASSOCIATES FILE # 82-0903

SAMPLE #	SR ppm	TI %	ZR ppm	CE ppm	Y ppm	NB ppm	TA ppm
W-1	4240	.17	494	457	42	1063	19
W-2	2933	.15	493	382	31	682	2
W-3	1773	.20	183	371	21	445	2
W-4	846	.31	279	198	28	207	2
W-5	306	.29	212	99	23	97	2
W-6	5498	.15	92	534	57	1220	14
BLANK	97	.01	86	2	2	2	2
LON 120-130M	4579	.04	294	349	45	651	6
STD SY-3	398	.06	348	1387	594	1034	13

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS, VANCOUVER B.C. PH:253-3158 TELEX:04-53124

ICP GEOCHEMICAL ANALYSIS

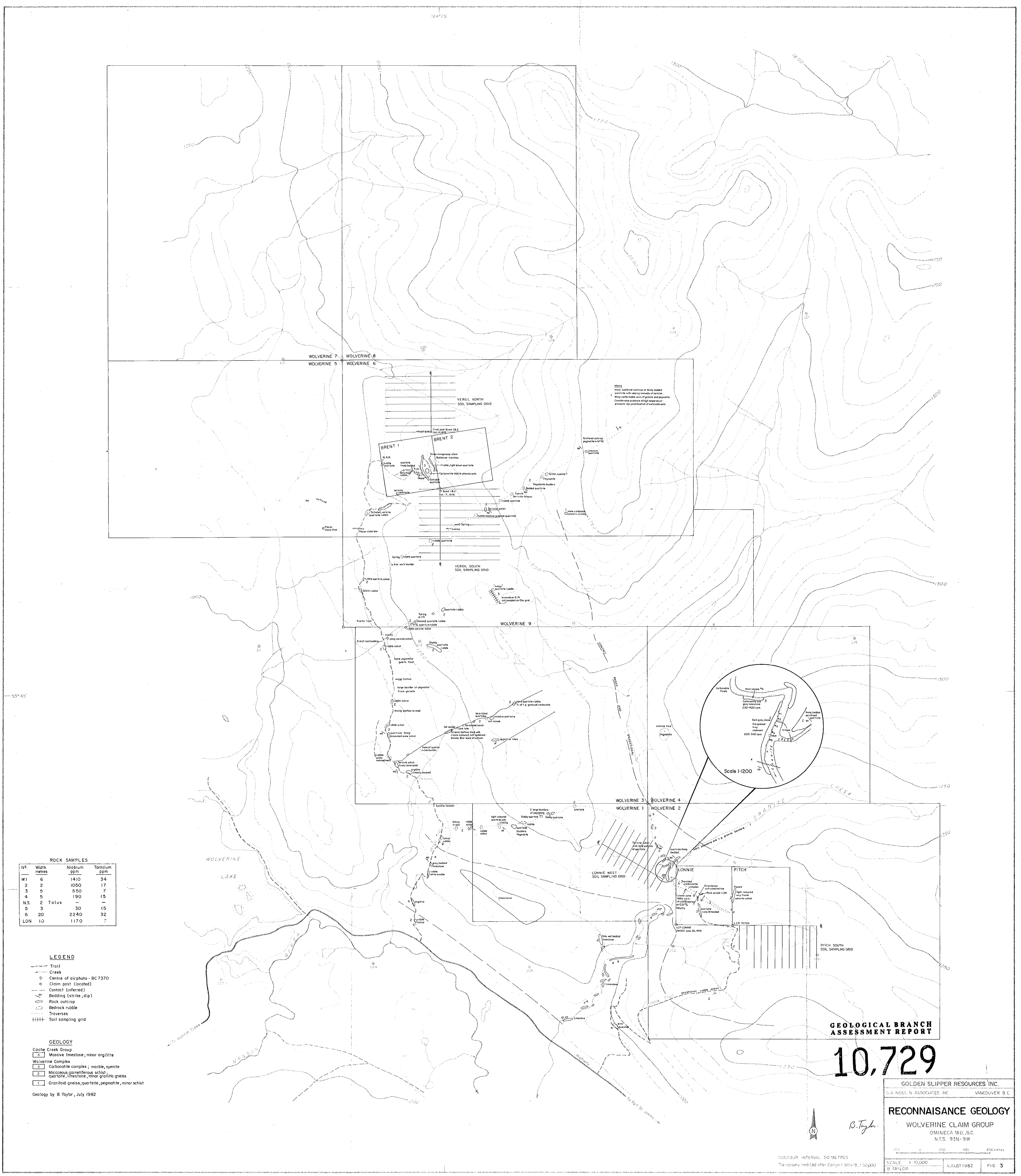
A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Na,K,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
SAMPLE TYPE - ROCK CHIPS

DATE RECEIVED AUG 23 1982 DATE REPORTS MAILED Aug 24/82 ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

G.A. NOEL & ASSOCIATES FILE # 82-0903 PAGE # 1

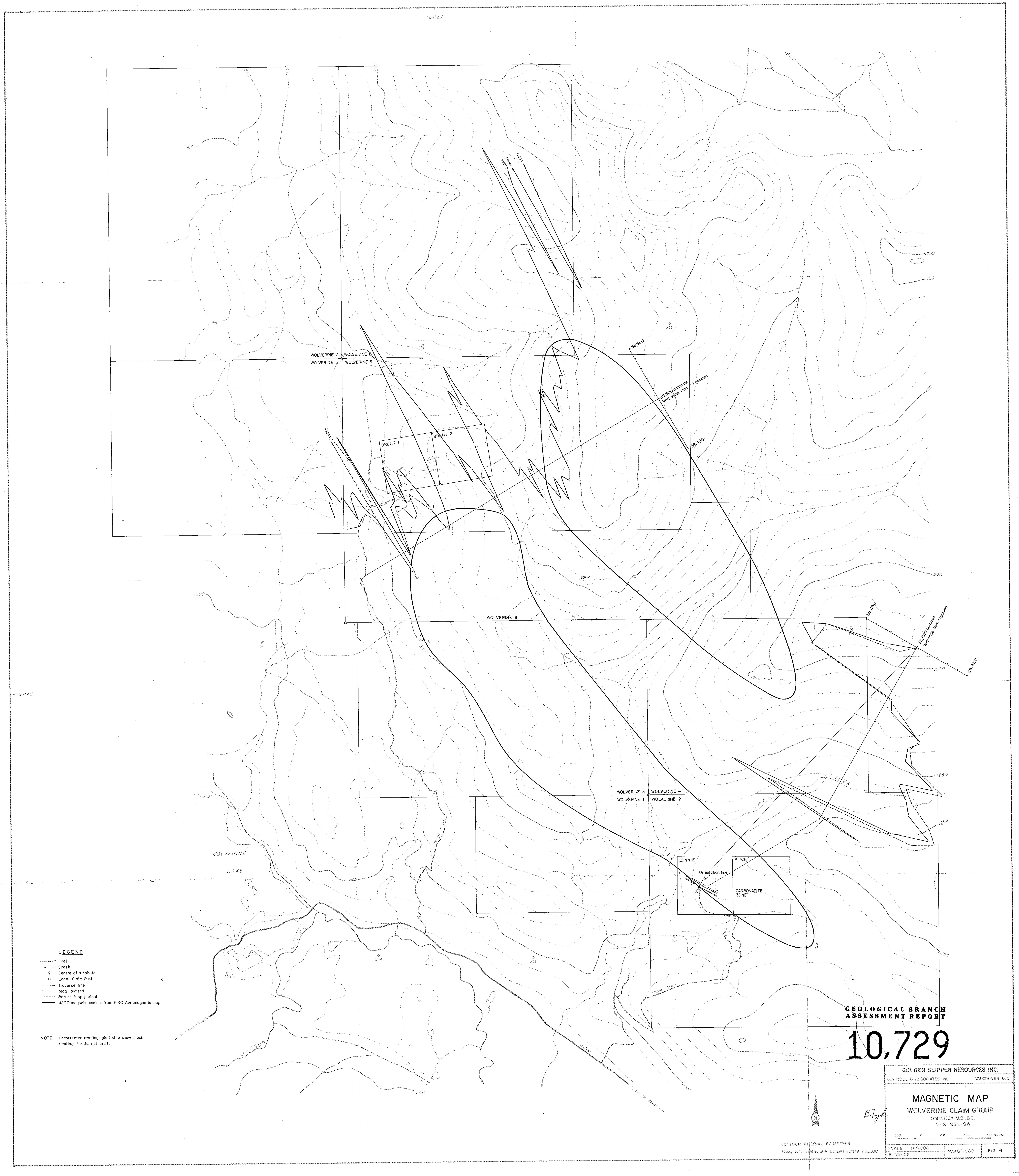
SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
V-1	1	9	15	230	.5	3	4	1723	3.01	9	12	ND	8	3549	3	2	4
V-2	1	10	12	156	.4	6	4	1331	2.66	6	15	ND	5	2572	4	2	4
V-3	10	14	11	76	.3	20	8	1479	4.21	8	12	ND	31	1854	2	2	2
V-4	7	15	9	67	.2	29	9	980	3.48	5	6	ND	15	618	1	2	2
V-5	4	19	4	46	.1	20	7	584	3.41	5	3	ND	30	86	1	2	2
V-6	1	3	12	83	.5	1	4	2340	3.00	6	2	ND	2	4861	2	2	5
LCM 123-130M	1	2	11	6	.4	2	1	1997	.55	4	2	ND	2	4707	1	2	3
STD A-1	1	31	36	174	.4	33	12	979	2.72	11	2	ND	2	38	2	2	2

SAMPLE #	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Zr PPM	Ce PPM	Y PPM	Nb PPM	Ta PPM
V-1	70	11.29	.33	68	9	.92	324	.07	2	1.19	.04	.93	2	4	160	42	27	2
V-2	69	7.86	.32	65	16	.77	227	.09	2	1.06	.07	.68	2	9	140	34	25	2
V-3	71	5.96	.23	145	32	.71	205	.05	2	.94	.08	.36	2	9	208	24	26	2
V-4	72	1.83	.05	82	71	.99	282	.18	2	1.51	.11	1.18	2	5	116	15	17	2
V-5	51	.19	.03	37	67	.93	348	.20	2	1.69	.07	1.29	2	6	69	10	10	2
V-6	39	14.60	.45	139	2	1.70	650	.03	2	1.15	.05	1.25	2	4	321	67	35	2
LCM 123-130M	10	24.21	.43	210	3	.15	614	.01	2	.28	.08	.09	2	5	393	62	24	2
STD A-1	54	.63	.10	8	74	.76	280	.08	4	1.97	.02	.20	2	8	18	8	7	2

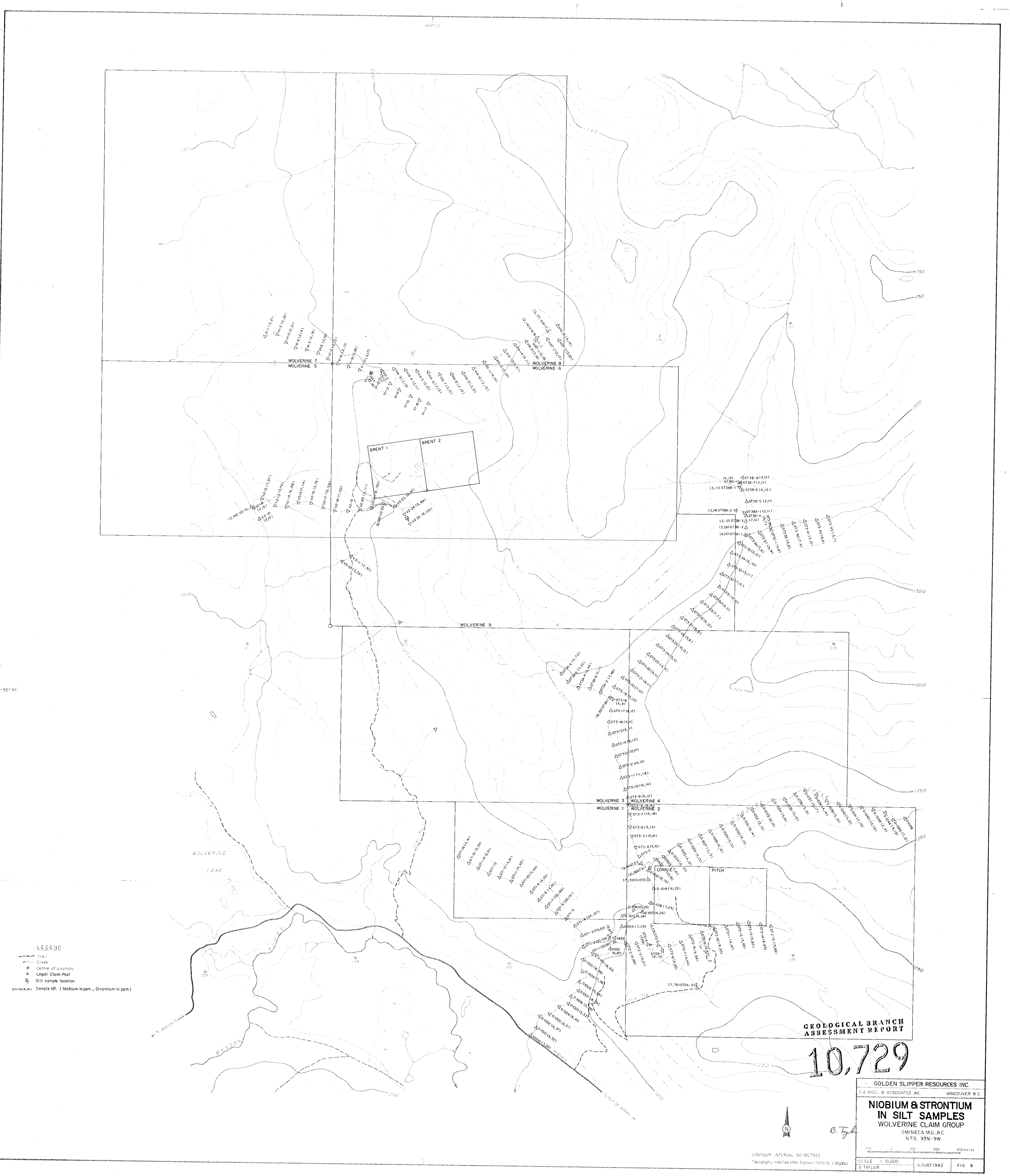


ROCK SAMPLES

Nº.	Width metres		Niobium ppm	Tantalum ppm
W1	6		1410	34
2	2		1050	17
3	5		550	7
4	5		190	<5
N.S.	2	Talus	—	—
5	3		30	<5
6	20		2240	32
LON	10		1170	7



WOLVERINE 7
WOLVERINE 8
WOLVERINE 5
WOLVERINE 6
BRENT 1
BRENT 2
58,500 gammas
Vert. scale 1 mm : 1 gammas
58,550
58,450
WOLVERINE 9
58,600 gammas
Vert. scale 1mm : 1 gamma
WOLVERINE 3
WOLVERINE 4
WOLVERINE 1
WOLVERINE 2
LONNIE
PITCH
Orientation line
CARBONATITE ZONE
WOLVERINE
LAKE
LEGEND
Trail
Creek
Centre of airphoto
Legal Claim Post
Traverse line
Mag. plotted
Return loop plotted
4200 magnetic contour from GSC Aeromagnetic map
NOTE: Uncorrected readings plotted to show check readings for diurnal drift.
CONTOUR INTERVAL 50 METRES
Topography modified after Edition 1 93N/9, 1:50,000
GEOLOGICAL BRANCH
ASSESSMENT REPORT
10,729
GOLDEN SLIPPER RESOURCES INC.
G.A. NOEL & ASSOCIATES INC.
VANCOUVER B.C.
MAGNETIC MAP
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C.
N.T.S. 93N-9W
200 0 200 400 600 metres
SCALE 1:10,000
B. TAYLOR
AUGUST 1982
FIG. 4



GOLDEN SLIPPER RESOURCES INC.

G.A. NOEL & ASSOCIATES INC. VANCOUVER B.C.

NIOBIUM & STRONTIUM IN SILT SAMPLES

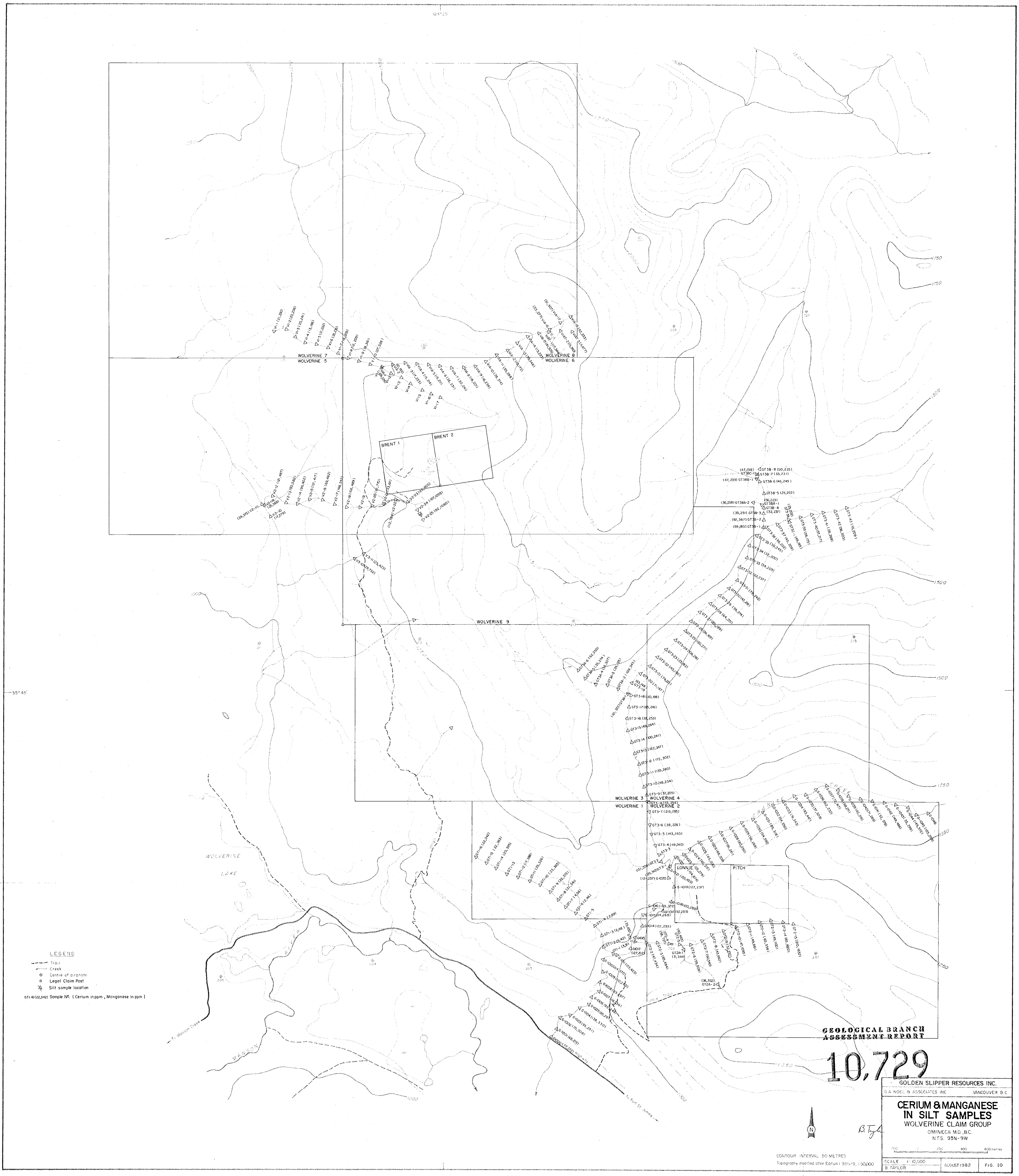
WOLVERINE CLAIM GROUP

OMINECA M.D., B.C.

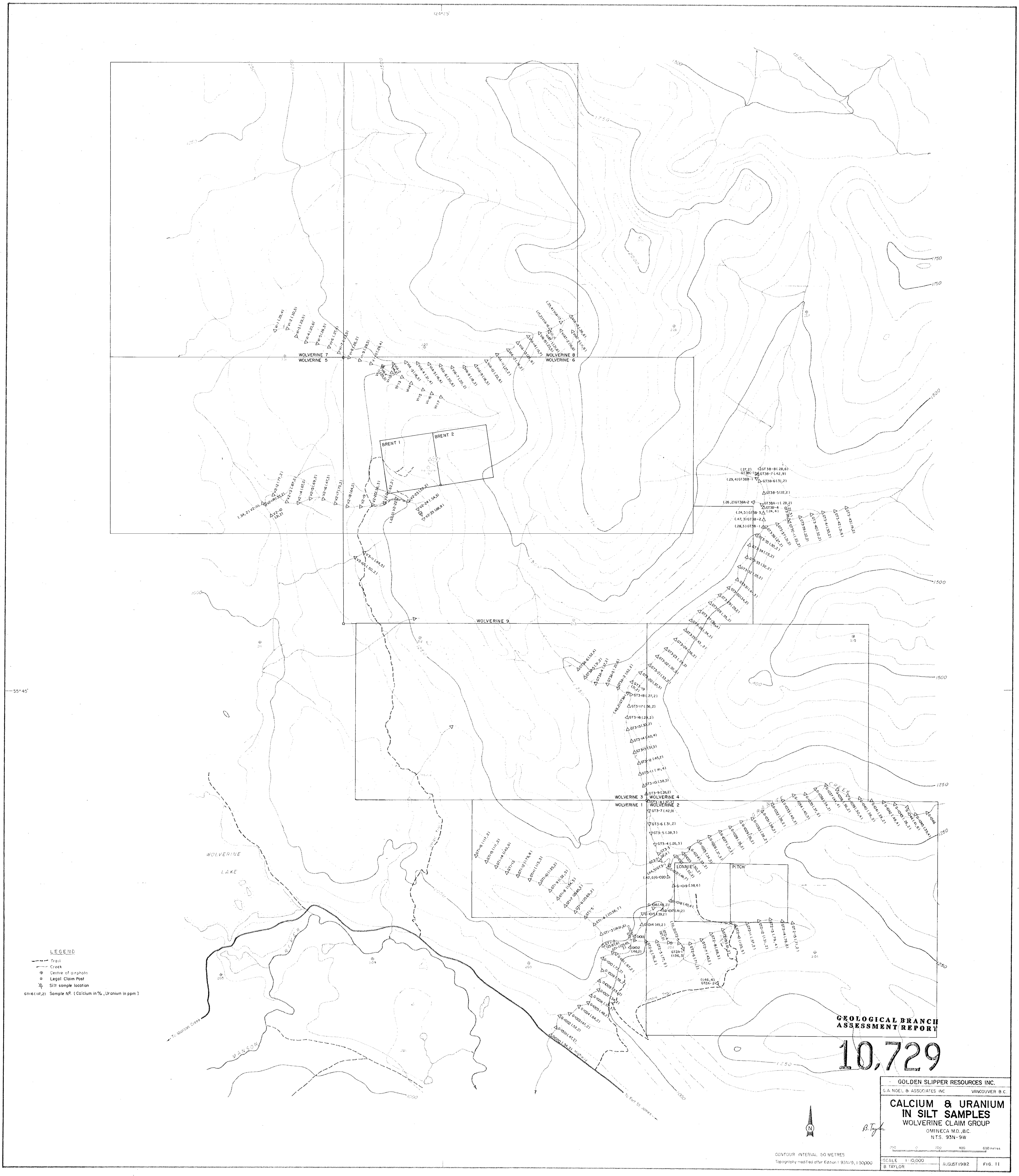
N.T.S. 93N-9W

200 0 200 400 600 metres

SCALE 1:10,000 B. TAYLOR	AUGUST 1982	FIG. 9



WOLVERINE 7
WOLVERINE 5
WOLVERINE 8
WOLVERINE 6
BRENT 1
BRENT 2
WOLVERINE 9
WOLVERINE 3
WOLVERINE 4
WOLVERINE 1
WOLVERINE 2
LONNIE
PITCH
WOLVERINE LAKE
LEGEND
Trail
Creek
Centre of airphoto
Legal Claim Post
Silt sample location
GT1-16 (22,342) Sample №. (Cerium in ppm , Manganese in ppm)
CONTOUR INTERVAL 50 METRES
Topography modified after Edition 1 93N/9, 1:50,000
GEOLOGICAL BRANCH
ASSESSMENT REPORT
10,729
GOLDEN SLIPPER RESOURCES INC.
G.A. NOEL & ASSOCIATES INC
VANCOUVER B.C.
CERIUM & MANGANESE
IN SILT SAMPLES
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C.
N.T.S. 93N-9W
200 0 200 400 600 metres
SCALE 1:10,000
B. TAYLOR
AUGUST 1982
FIG. 10



124°25'
55°45'
WOLVERINE 7
WOLVERINE 5
WOLVERINE 8
WOLVERINE 6
BRENT 1
BRENT 2
WOLVERINE 9
WOLVERINE 3
WOLVERINE 4
WOLVERINE 1
WOLVERINE 2
LONNIE
PITCH
WOLVERINE
LAKE
CREEK
To Manson Creek
To Fort St. James
LEGEND
Trail
Creek
Centre of airphoto
Legal Claim Post
Silt sample location
GT1-16 (1.17,2) Sample Nº. (Calcium in %, Uranium in ppm)
CONTOUR INTERVAL 50 METRES
Topography modified after Edition 1 93N/9, 1:50,000
GEOLOGICAL BRANCH
ASSESSMENT REPORT
10,729
GOLDEN SLIPPER RESOURCES INC.
G.A. NOEL & ASSOCIATES INC
VANCOUVER B.C.
CALCIUM & URANIUM
IN SILT SAMPLES
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C.
N.T.S. 93N-9W
200 0 200 400 600 metres
SCALE 1:10,000
B. TAYLOR
AUGUST 1982
FIG. 11
B. Taylor

WOLVERINE 8
WOLVERINE 6
VERGIL NORTH SOIL GRID
BRENT 1
BRENT 2
VERGIL TRENCHES
VERGIL SOUTH SOIL GRID
WOLVERINE 9
Corduroy
WOLVERINE 3
WOLVERINE 4
WOLVERINE 1
WOLVERINE 2
GRANITE CREEK
LONNIE WEST SOIL GRID
ORIENTATION LINE
LONNIE
CARBONATITE ZONE
PITCH
GEOLOGICAL BRANCH ASSESSMENT REPORT
10,729
PITCH SOUTH SOIL GRID
Vergil Trail
To Manson Creek
MANSON RIVER
Highway
To Ft St James
Lonnie Trail
LEGEND
Creek
Soil sample location
Legal Corner Post
4 • 25 Niobium in ppm • Strontium in ppm
NIOBIUM, ppm (——)
0 - 6 background
7 - 13 possibly anomalous
14 - 29 probably "
STRONTIUM, ppm (------)
0 - 39 background
40 - 79 possibly anomalous
80 - 219 probably "
GOLDEN SLIPPER RESOURCES INC.
G. A. NOEL & ASSOCIATES INC.
VANCOUVER B.C.
NIOBIUM & STRONTIUM IN SOIL SAMPLES
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C.
N.T.S. 93N-9W
100 0 100 200 300 metres
SCALE 1: 5000
B. TAYLOR
AUGUST 1982
FIG. 12


WOLVERINE 8
WOLVERINE 6
VERGIL NORTH SOIL GRID
BRENT 1
BRENT 2
VERGIL TRENCHES
VERGIL SOUTH SOIL GRID
WOLVERINE 9
Corduroy
WOLVERINE 3
WOLVERINE 4
WOLVERINE 1
WOLVERINE 2
GRANITE CREEK
LONNIE WEST SOIL GRID
ORIENTATION LINE
LONNIE
CARBONATITE ZONE
PITCH
PITCH SOUTH SOIL GRID
Vergil Trail
To Manson Creek
MANSON RIVER
Highway
Lonnie Trail
LEGEND
Creek
Soil sample location
Legal Corner Post
80•191 Cerium in ppm • Manganese in ppm
CERIUM, ppm (——)
0 - 69 background
70 - 99 possibly anomalous
100 - 199 probably "
MANGANESE, ppm (- - - - -)
0 - 499 background
500 - 899 possibly anomalous
900 - 1599 probably "
GEOLOGICAL BRANCH ASSESSMENT REPORT
10,729
GOLDEN SLIPPER RESOURCES INC.
G. A. NOEL & ASSOCIATES INC. VANCOUVER B.C.
CERIUM & MANGANESE IN SOIL SAMPLES
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C.
N.T.S. 93N-9W
100 0 100 200 300metres
SCALE 1: 5000
B. TAYLOR
AUGUST 1982
FIG. 13


WOLVERINE 8
WOLVERINE 6
VERGIL NORTH SOIL GRID
BRENT 1
BRENT 2
VERGIL TRENCHES
VERGIL SOUTH SOIL GRID
WOLVERINE 9
Corduroy
WOLVERINE 3
WOLVERINE 4
WOLVERINE 1
WOLVERINE 2
GRANITE CREEK
LONNIE WEST SOIL GRID
ORIENTATION LINE
LONNIE
CARBONATITE ZONE
PITCH
PITCH SOUTH SOIL GRID
Vergil Trail
To Manson Creek
MANSON RIVER
Highway
Lonnie Trail
GEOLOGICAL BRANCH ASSESSMENT REPORT
10,729
LEGEND
Creek
Soil sample location
Legal Corner Post
34 • 2 Calcium in % • Uranium in ppm
CALCIUM, % (——)
0.0 - 0.69 background
0.7 - 2.99 possibly anomalous
3.0 - 9.99 probably "
URANIUM, ppm (----)
0 - 5 background
6 - 19 possibly anomalous
20 - 49 probably "
GOLDEN SLIPPER RESOURCES INC.
G.A. NOEL & ASSOCIATES INC.
VANCOUVER B.C.
CALCIUM & URANIUM IN SOIL SAMPLES
WOLVERINE CLAIM GROUP
OMINECA M.D., B.C.
N.T.S. 93N-9W
100 0 100 200 300metres
SCALE 1: 5000
B. TAYLOR
AUGUST 1982
FIG. 14