

**GEOCHEMICAL & GEOPHYSICAL ASSESSMENT REPORT
ON THE SIMLOCK CREEK PROPERTY**

27,658

General Nature of the Report: Geochemical Rock & Soil Sampling;
Reconnaissance Ground Magnetic
Surveying.

Specific Claims Involved: HH 2, 3, 4, 6, 7, 8, 9, 19

Mining Division: Cariboo

Specific NTS Location: 93A 14W (1:50,000)
93A.084 (1:20,000)

Latitude and Longitude: 52° 51' N / 121° 16' E
(Approximate Center of Property)

Owner of Claims: *Sydney Resource Corporation*
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Consultant: (Not Applicable)

Author of Report: Doug Symonds, P.Geo.

Date Submitted: October 15, 2004



GEOLOGICAL BRANCH

27,658

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1.01 LOCATION & ACCESS

The *Simlock Creek Property* is located approximately 100 air-kilometers north-northeast of the town of Williams Lake (see Figures 1 & 2).

Access to the *Simlock Creek Property* is by road from Williams Lake to the town of Likely, B.C. From Likely, the Cariboo River road and Keithley Creek road are taken north-easterly for a distance of approximately 26 kilometers. At this point, the Harveys Creek Forest Service road (also known as the 9600 road) is taken northeasterly for a distance of 10 kilometers (approximately 36 total kilometers from Likely). At this point, the left branch of the road is taken northerly for a distance of approximately 8 kilometers to a point where the log bridge has been removed on a branch of Simlock Creek (approximately 44 kilometers from Likely) (see Figure 3).

The property access road continues in a southeasterly direction from the point where the log bridge was taken out. The access road continues approximately 5 kilometers southeasterly into the center of the claim block comprising the *Simlock Creek Property*. A 4-wheel drive All Terrain Vehicle was used to access the northeast portion of the *Simlock Creek Property* during the 2003 field work program.

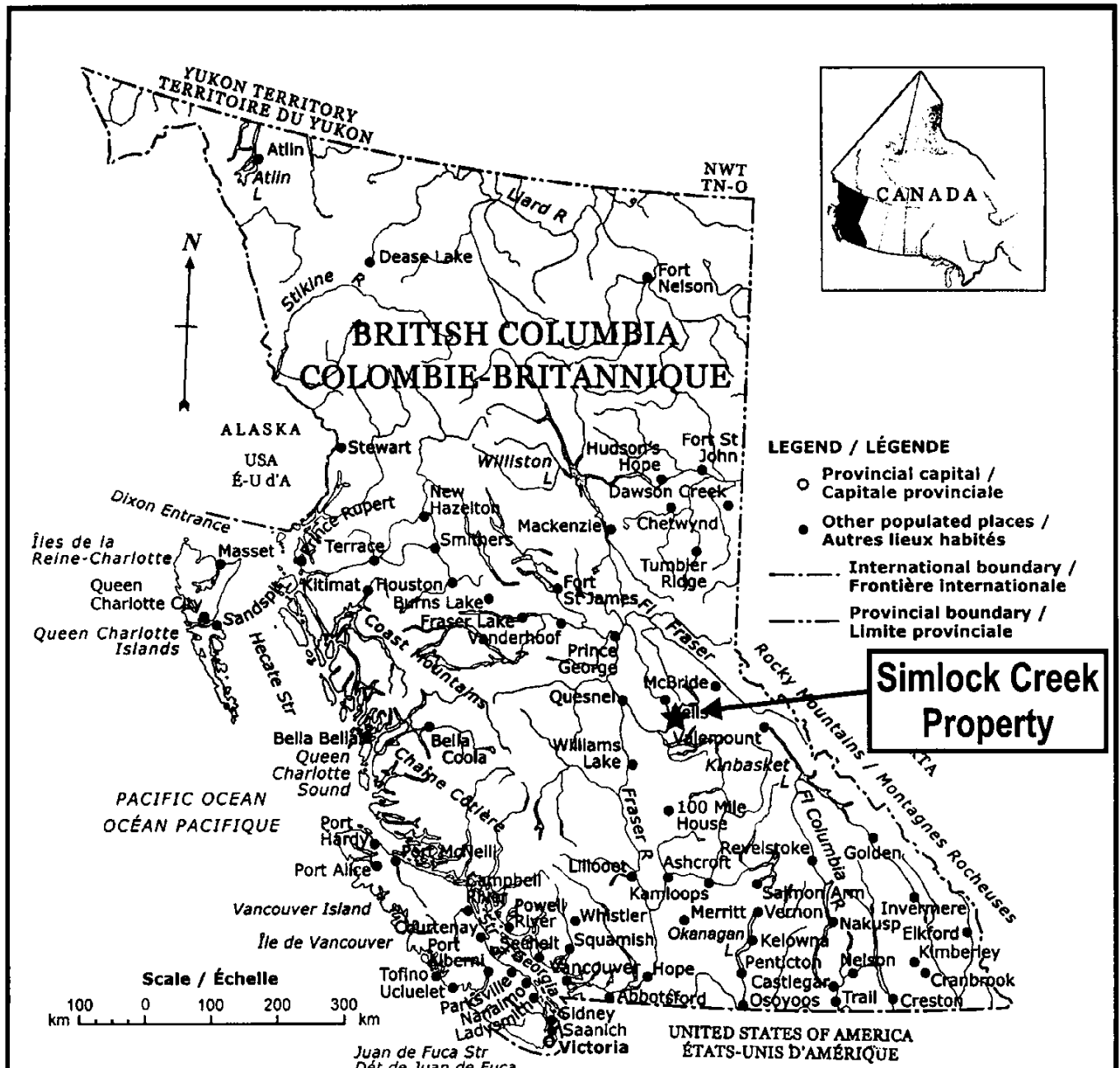
The property area is typified by mild summers with moderate rainfall. Winter snowfall in the area can be moderate to heavy. Elevations on the property range from about 1150 meters to 1650 meters. The Harveys Creek and Simlock Creek drainages are typified by moderate to steep slopes with difficult access. The northern portion of the property has been logged.

The Cariboo was glaciated many times during the Pleistocene, most recently during the Fraser Glaciation some 30,000 to 12,000 years ago. During the early stages of this glaciation, ice from sources in the Cariboo mountains advanced south-westward down the Cariboo River valley. Low whale-back forms in the valley near the mouth of Harveys Creek indicate this flow direction. Later as the glaciers thickened and all ridge crests in the area were buried in ice, flow was redirected to the northwest in accordance with regional ice surface gradients.

Glaciation resulted in the deposition of modest amounts of till in the valleys of Simlock and Harveys Creeks. This till was probably derived from local bedrock. There are major fluvial glacial accumulations at the lower level of Cariboo Lake and Cariboo River.

Terrain analysis in 1992 recognized no features on aerial photographs that would suggest glacial (or fluvial glacial meltwater) transportation of drift from distant sources into the study area. This study also predicted overburden consisting of colluvium derived from the underlying bedrock in the geochemically anomalous areas. The significance of this is that geochemical soil sampling values should relate well to the values in the underlying bedrock, allowing for some downhill creep.

The author has observed several of the *Simlock Creek Property* claim posts in the field and these claims appear to have been located in accordance with the Mineral Tenure Act with locations adequately plotted for unsurveyed mineral claims.

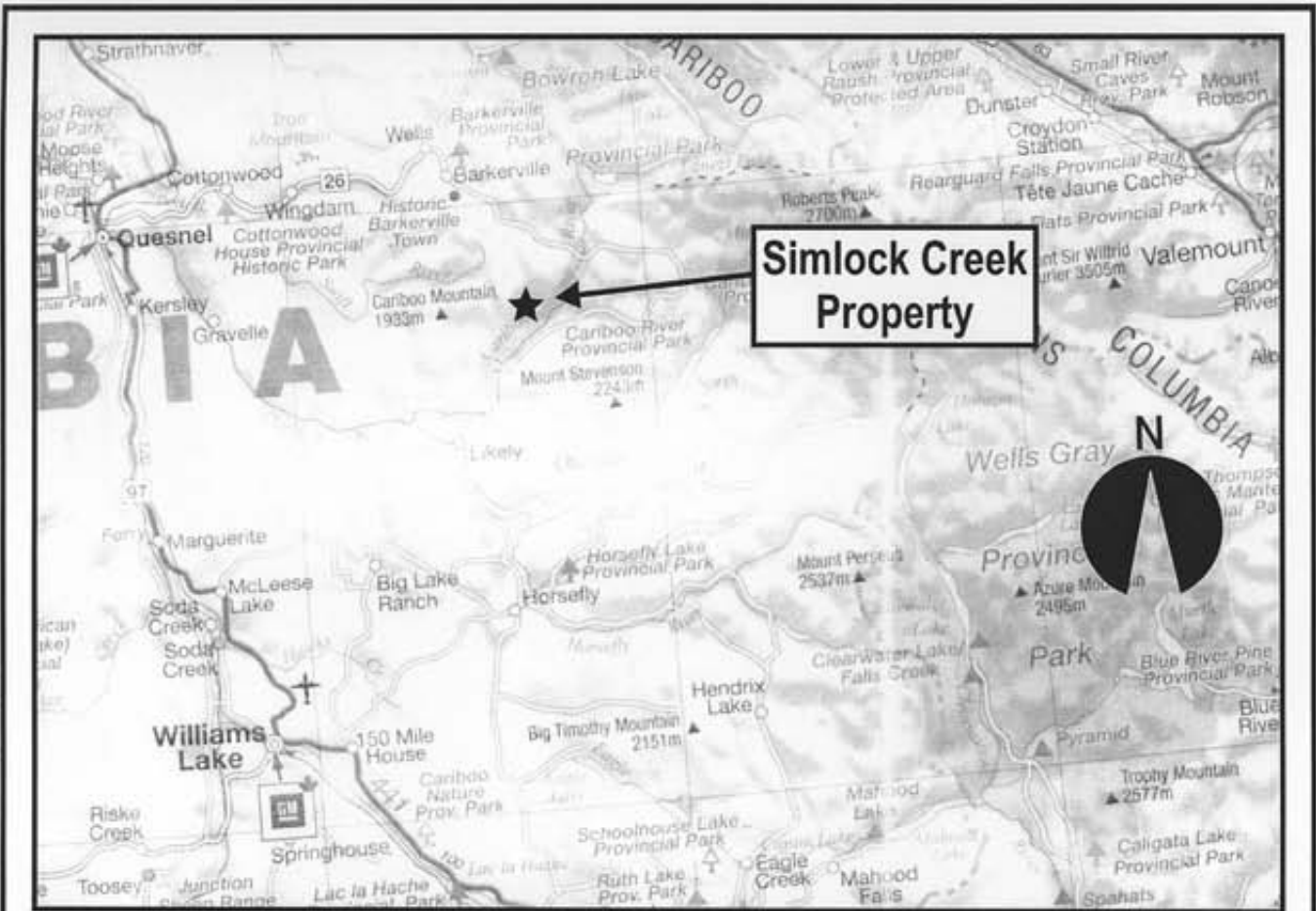


SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

Location Map (On-Line Atlas of Canada)

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

Fig. 1



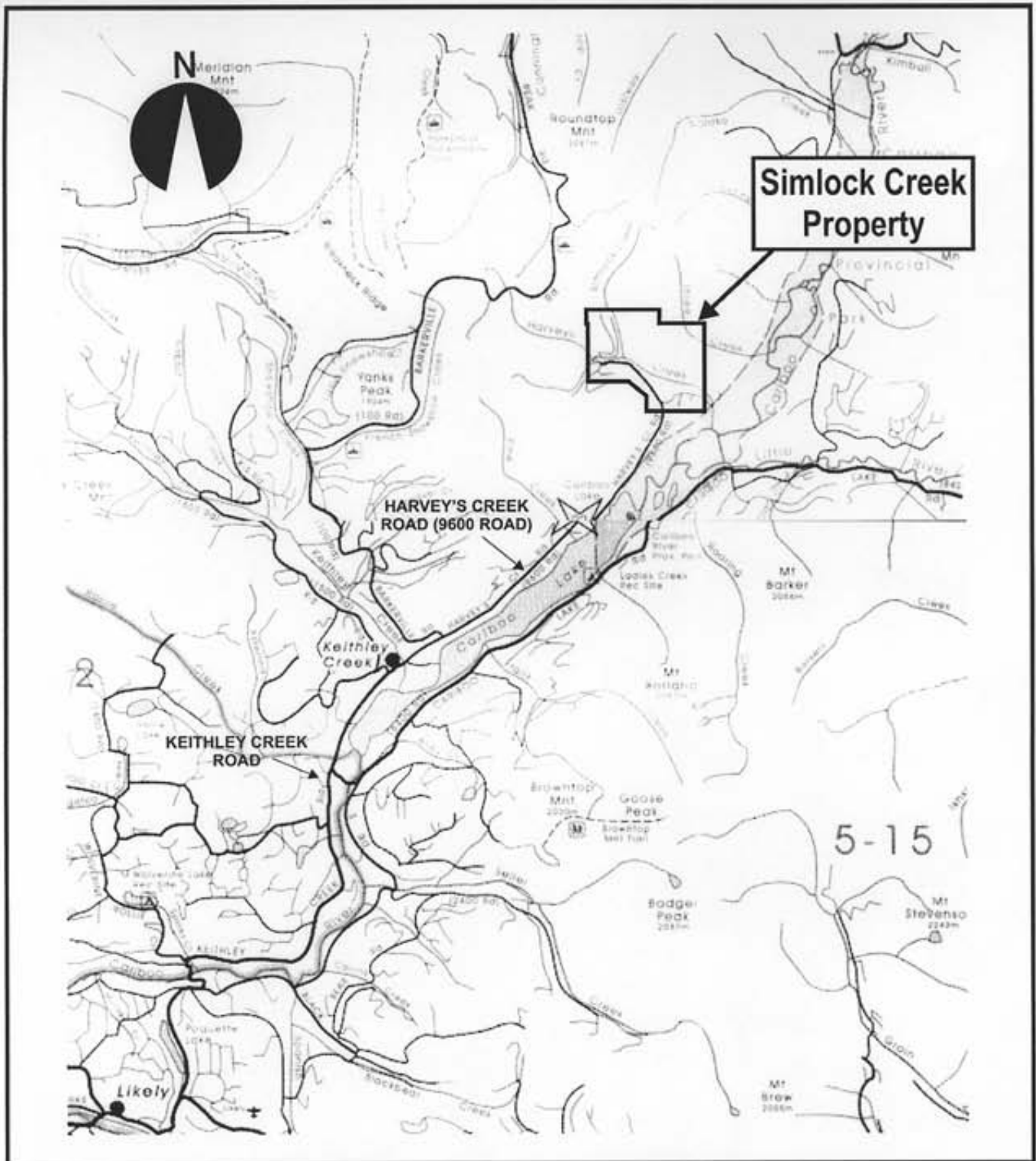
SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

Location Map (MapArt 2003 Road Map)

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004



Fig. 2



SYDNEY RESOURCE CORPORATION
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Access Map (Backroad Mapbook, Vol. 5)

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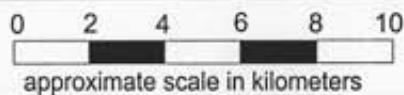
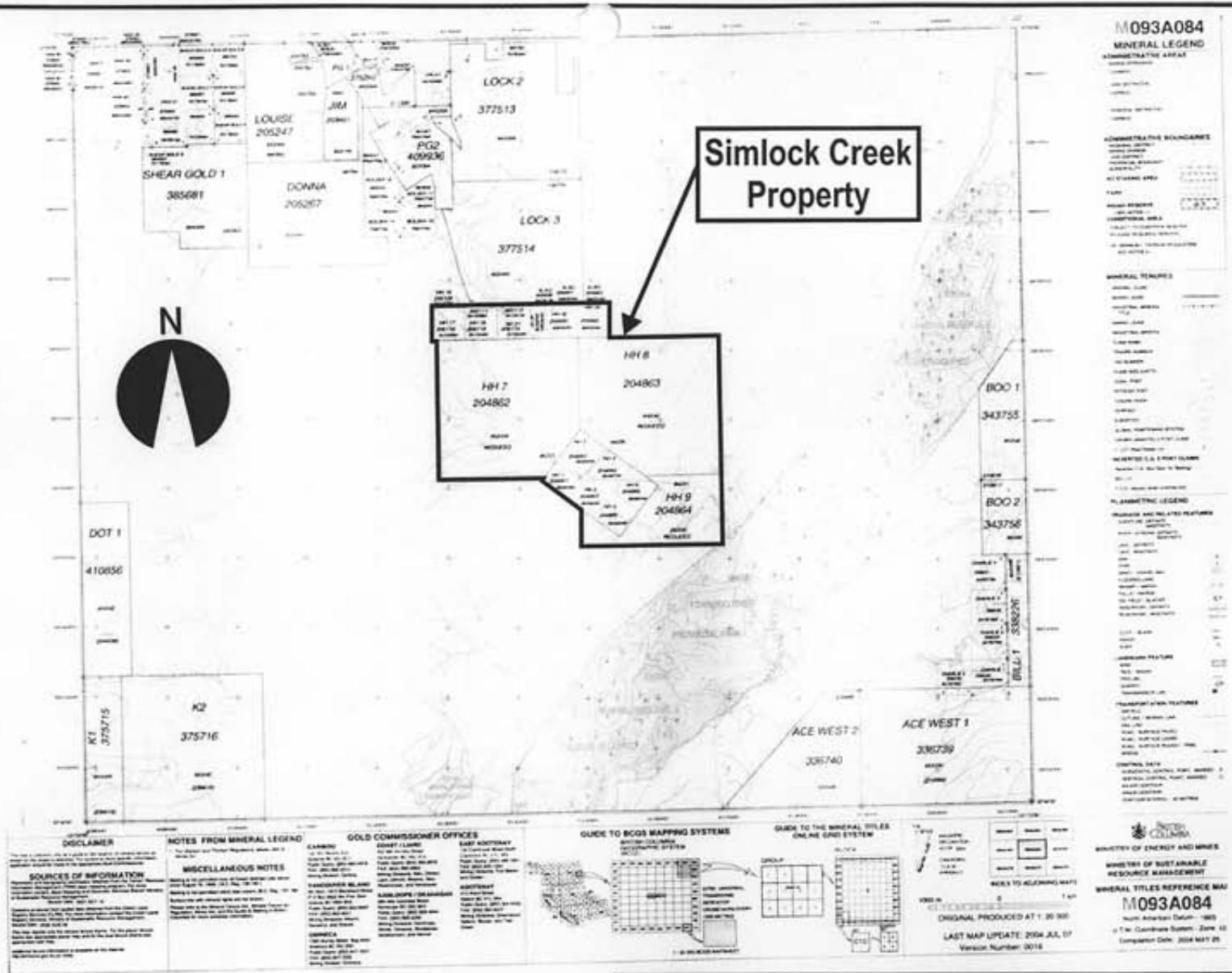


Fig. 3



SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

Claim Map (Mineral Titles Ref. 093A.084)

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

Version Number: 2016

Fig. 4

1.022 HISTORY OF PROPERTY

Late 1800's to 1930's:

During the late 1800's the area covered by the present *Simlock Creek Property* was explored by placer miners as part of the Cariboo gold rush. The Barkerville camp, 35 kilometers to the northwest is historically the second largest gold-producing camp in British Columbia. At that time, Simlock Creek was known as the North Fork of Harvey Creek (now Harveys Creek). Amos Bowman, a Mining Engineer working for the Geological and Natural History Survey of Canada, surveyed the area and prepared a map in 1890 showing the placer operations on Harveys Creek (see Figure 6). Bowman's map documents over 20 placer operations on the main Harveys Creek and notes an "ironstone ledge" that was the one of the subjects of exploration efforts in 2003.

This ironstone ledge was described by Bowman in 1888 as follows:

"The Ironstone Ledge, one-quarter mile below falls of Harvey Creek. Olive and bluish feldspar with iron pyrites. Over three feet in width. Strike east and west; dip, N. 60°; with the slates apparently. It is from three to eight feet wide, and is repeated in another locality near it. Contents: Siderite with magnetic pyrites and a little iron pyrites; a great body of metal, being nearly solid ore. Assay by Hoffman showed a distinct trace of gold; silver, none. The ledge weathers red on the surface. Projecting into the creek, boulders from it strew the placer mines below."

The north bank of Harveys Creek near the ironstone ledge was placer mined by Barney Bowe in the 1930's using hydraulic methods. Old equipment, including sections of riveted steel water pipe three to four feet in diameter, valves and other paraphernalia related to the hydraulic operation may still be found at and upstream from the ironstone ledge.

Recorded production from Harveys Creek, from 1879 to 1897 is 3,754 ounces of gold. This figure does not include production from the large hydraulic workings of Barney Bowe during the 1930's.

Exploration in the 1930's in what is now the Simlock Creek drainage by a predecessor of *Placer Dome* resulted in the discovery of a gold-mineralized float boulder, which is believed to have been shed from a nearby up-hill source.

1980's:

In 1982 and 1983, *Harvey Creek Gold Placers Ltd.* staked placer and concurrent lode mineral claims on Harveys Creek below the ironstone ledge location. In July of 1983, Geotronics Surveys Ltd. conducted a seismic refraction survey over a portion of the claims in an attempt to prove the existence of an ancient river channel near Harveys Creek. The seismic refraction survey was successful in detecting the channel. In February of 1984, a program of stripping and

pit testing was undertaken by *Harvey Creek Gold Placers Ltd.* to confirm the presence of the channel. The presence of the channel was confirmed and over the next number three or four years, *Harvey Creek Gold Placers Ltd.* continued to test the placer gold potential of the area.

As part of their placer testing program, *Harvey Creek Gold Placers Ltd.* used a derocker to process bulk gravel samples from the Harveys Creek drainage. Examinations of the recovered coarse gold and freshly-broken galena led to the conclusion that multiple lode sources could exist within the Harveys Creek – Simlock Creek drainage basins. Consulting Geologist Alex Burton, P.Eng. recommended that a search be started for the lode gold deposits that were the source of the placer gold.

In 1987, a geochemical program, consisting of heavy sediment sampling using a 1 ½" suction dredge was carried out on the Harveys Creek and Simlock Creek drainages. The geochemical program returned anomalous gold values from the Simlock Creek drainage and follow-up prospecting was recommended.

In 1988-89, the *Simlock Creek Property* was optioned to *Logan Mines Ltd.* who carried out a program of geochemical soil sampling, ground magnetic surveying and prospecting. A total of 1175 soil samples were taken at 100 meter line and 20 meter station spacings on a grid straddling the Simlock Creek drainage. A ground magnetic survey was conducted over the same grid. The geochemical sampling program detected significant gold, silver, lead and zinc anomalies. Prospecting follow-up on gold geochemical anomalies immediately east of Simlock Creek uncovered an area of limestone mineralized with lead (galena), silver and gold.

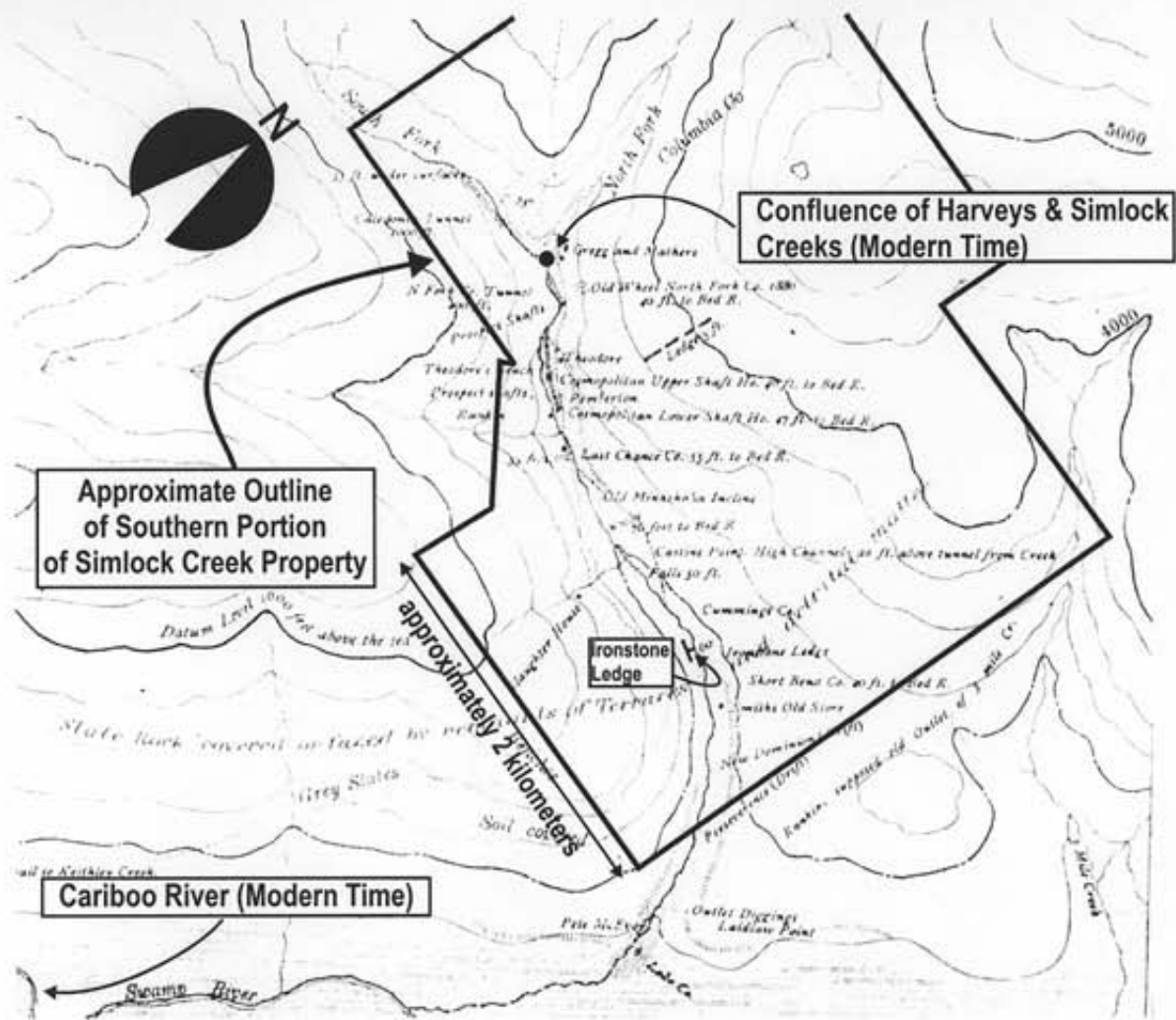
1990's:

In 1990, a limited amount of field work was carried out in a localized area surrounding the location of a 1989 soil sample containing 4500 ppb gold.

In 1991, a terrain analysis of the *Simlock Creek Property* was carried out by June M. Ryder, P.Geo. Ms. Rider concluded that:

"When all the available information is considered it can be safely concluded that the glaciers did not move serious amounts of placer gold over any significant distances. The Simlock Creek east side soil geochemical gold anomalies are just upstream from the largest placer operation on Harveys Creek, the monitor hydraulic sluicing of Barney Bowe's open pit and the several Harveys Creek bed placer operations.

As the soil geochemical survey on the west bank of Simlock Creek showed no significant gold mineralization when the significant amount of exposed bedrock was field checked, and the west branch of Harveys Creek has been tested for both lode and placer gold and found wanting, the only remaining possible source is the bedrock upslope from the gold soil anomalies on the east side of Simlock Creek. This is of course (is) exactly along the outcrop strike trace of the favourable gold-bearing rocks."



Source: Map of Placer Mines of Harvey Creek by Amos Bowman; ca 1884

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Simlock Creek Property, British Columbia

Historical Placer Operations Map

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

PLEASE NOTE THAT SCALE IS APPROXIMATE

Fig. 6

In 1992, *Noranda Exploration Co. Ltd.*, as part of their examination of the *Simlock Creek Property*, collected 46 geochemical soil samples over a grid line previously sampled in 1988.

In 1993, further geochemical soil sampling was conducted on the *Simlock Creek Property*. A total of 126 soil samples were taken on an extension of the 1988-89 grid. The sampling resulted in the detection of further gold in soil anomalies that are discussed more fully in Section 10 of this report.

In 1994, the *Simlock Creek Property* was under option to *Northern Dynasty Explorations Ltd.*

In 1995, *Northern Dynasty Explorations Ltd.* carried out geochemical soil sampling on a grid located to the southeast of the existing (1988-89) grid and completed some limited trenching.

In 1997, *Harvey Creek Gold Placers Ltd.* constructed 627 meters of new access road on the *Simlock Creek Property* to the south border of the 1988-89 sampling grid. The purpose of this access road was to provide access to gold geochemical anomalies detected on the 1993 sampling grid to the southeast.

In 1998, *Harvey Creek Gold Placers* extended the access road into the 1993 sampling grid on the *Simlock Creek Property*. The purpose of this roadbuilding was to access areas of anomalous gold in soil at higher elevations where thinner overburden could be expected. This roadbuilding and limited trenching program was successful in exposing several gold, silver, lead and zinc mineralized quartz structures including a significant exposure (1.18 oz/ton gold over 4.1 meters) located 10 meters upslope from a geochemical soil station that had returned a gold value of 2932 ppb.

2000's:

In 2001, the *Simlock Creek Property* was optioned to *Extant Investments Inc.* (now named *Sydney Resource Corporation*).

1.023 ECONOMIC ASSESSMENT OF PROPERTY

The *Simlock Creek Property* is located in the Snowshoe Group of the Barkerville Terrane. The Snowshoe Group consists of predominantly siliclastic rocks with local intercalations of carbonate and metavolcanic rocks (see Figure 7).

The *Simlock Creek Property* is located in a Snowshoe Group lithologic unit known as the Downey succession. The dominant rock types found in the Downey succession are phyllites, siltites, phyllitic quartzites and phyllitic grits. The most common lithology is pale to medium green to grey-green phyllite and silty phyllite that typically displays a distinct silvery sheen on cleavage surfaces. Coarser grained phyllitic quartzite and grit are also common. Light to medium grey, commonly orange, brown or dark grey weathered limestone is less commonly found in the Downey succession.

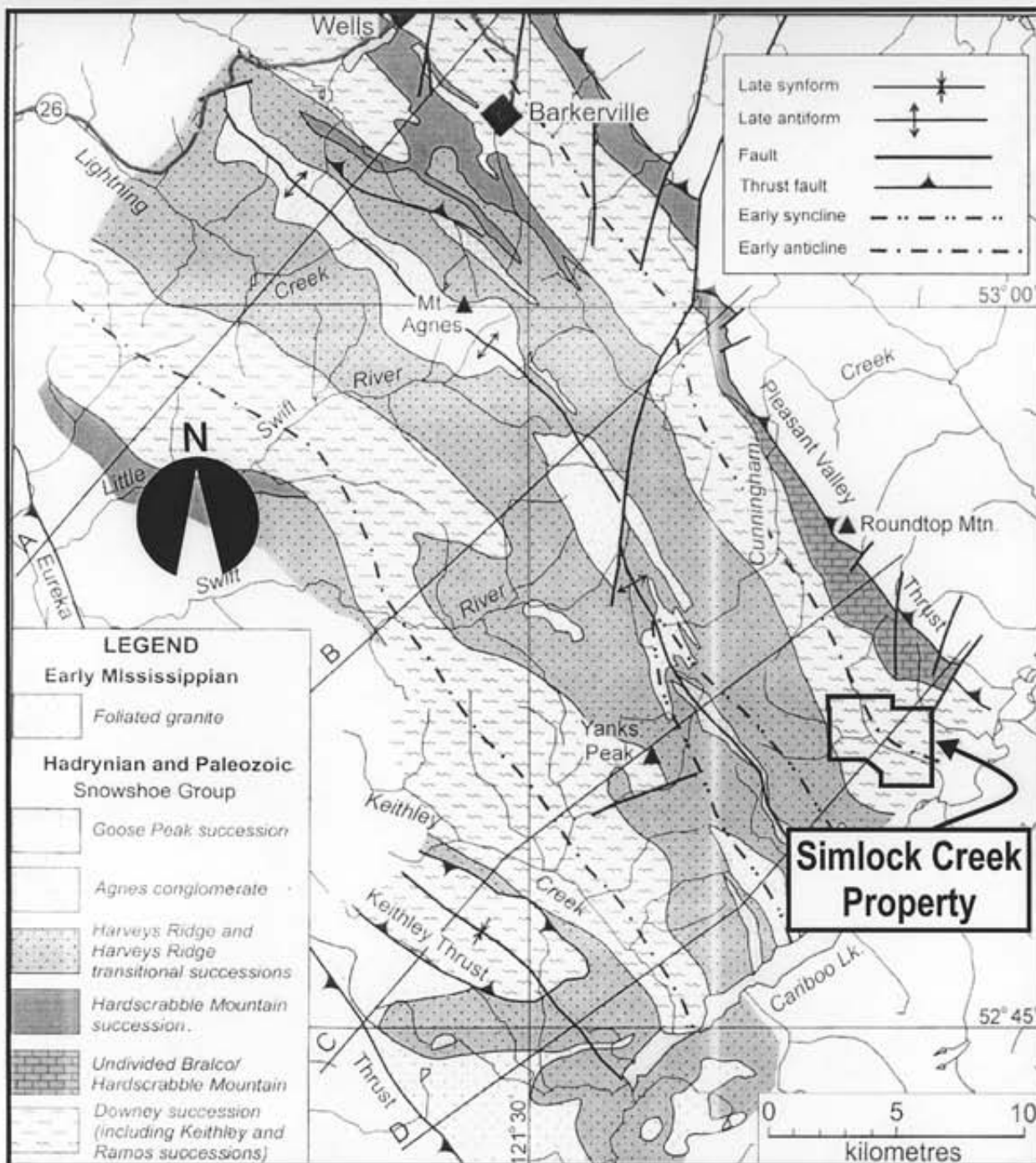
The Downey succession forms the core of an early recumbent anticline. Contacts between the various rock units exhibit a strong north-northwesterly trend (approximately 330°) and are a regional stratigraphic feature. Right hand offset faulting is suspected in the Simlock Creek area.

There is poor outcrop exposure (< 5%) on the *Simlock Creek Property*, with most of the known exposures being observed in road cuts and in the highly-incised Harveys and Simlock Creek drainages.

The ore-bearing horizons of mines to the north along strike with the *Simlock Creek Property* are considered to be a model for the geology and structure of the *Simlock Creek Property*. Field observations suggest that the limestone in Harveys Creek at the falls between its junction with Simlock Creek and the hydraulic placer pit workings of Barney Bowe, is the equivalent of the Aurum limestone unit in the Cariboo Gold Quartz and Mosquito Creek Gold Mines. This limestone is along the "Baker" (sericitic, pelitic sediments) and the "Rainbow" (black carbonaceous quartzites) contact that was used as an ore control in the Wells mining camp. This is commonly referred to as the Bonanza Ledge type of mineralization.

The associated pyrite and galena-bearing quartz veins are also found in Harveys Creek at this location. If this postulated reconstruction is correct, then the "Main Band" unit which carries the remainder of the orebodies would be located stratigraphically where the gold soil anomalies occur in the grid east of Simlock Creek. It is not known if the Main Band limestone extends as a continuous unit this far south. The Baker sericitic and pelitic sediments are seen near Harveys Creek. The sericitic and carbonaceous sediments (Midas?) extend eastward upslope from the Simlock Creek gold anomalies. Thus there is room for the Main Band (Bonanza Ledge) units in the *Simlock Creek Property* geological section.

The Cariboo Hudson Gold Mine, about one kilometer immediately to the north of the *Simlock Creek Property* occurs in Snowshoe Group rocks. In the Cariboo Hudson Mine, gold mineralization occurs in shears and vein systems, somewhat related to axial planes in isoclinally folded competent quartzites that became fractured. It has been suggested that fold noses on axially folded limestone limbs and beds might be the locus of gold mineralization reflected in the geochemical soil anomalies. Some veins in the camp may be simple veins related to axial plane fractures off fold noses. The camp also has a significant amount of replacement ore in limestone.



Source: British Columbia Geological Survey - Geological Fieldwork 2002 Paper 2003-1, Page 82.

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

Generalized Geology Map

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

Fig. 7

1.03 SUMMARY OF WORK DONE

The purpose of the field work which is the subject of this report was threefold:

- 1) to find and sample the massive sulphide occurrences documented by Amos Bowman in the 1880's ("M" grid);
- 2) to attempt to trace the exposure (1.18 oz/ton gold over 4.1 meters) located 10 meters upslope from a geochemical soil station that had returned a gold value of 2932 ppb ("High" grid);
- 3) to sample areas of outcrop on the property for potential mineralization ("Float" grid, "Pit" sampling, "Recon" sampling);

A total of 286 soil samples and 50 rock samples were taken on the property, along with 1.7 kilometers of ground magnetic readings at spacings of 5 to 25 meters.

1.03 LIST OF CLAIMS UPON WHICH WORK WAS ACTUALLY PERFORMED

Work was performed on the HH 2, 3, 4, 6, 7, 8, 9 and 19 claims as shown in Figure 5.

2.0 DETAILED TECHNICAL DATA AND INTERPRETATION

2.01 "M" Grid

"M" Grid Establishment

The "M" grid was established in an attempt to find and sample the massive sulphide occurrences documented as "ironstone ledges" by Amos Bowman in the 1880's. Additional information as to the locations of the massive sulphide occurrences was provided by Mr. Frank Hallam, a previous project operator. A total of approximately 5075 meters of grid were established, using hip chain and compass. A 1150 meter baseline and 13 cross-lines varying in length from 150 meters to 350 meters were established.

"M" Grid Soil Sampling

A total of 155 soil samples were taken at nominal 25 meter intervals on the survey grid. Soil samples were taken using a mattock from an average depth of 20 to 25 centimeters from the "B" or "C" horizon. Samples were placed in kraft bags and station designations were marked on the bags with a permanent marker. Soil samples were prepared and analyzed at Acme Analytical Laboratories using the R150 (ring grind to -150 mesh) and 1DX (36 element - 15 gram sample) preparation codes to analyze for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga and Se. A 15 gram sample

of -150 mesh material was leached with 90 ml. 2-2-2 HCl-HNO₃-H₂O at 95 deg. C for one hour, diluted to 300 ml and analyzed by ICP-MS. Laboratory data sheets are shown in Appendix I.

Soil sample data for Au, Cu, Pb, Zn and Ag were plotted as Figures 9A through 9E. Au, Cu and Ag values were anomalous over a 30 meter area between line 7+50E Station 2+25N and line 7+20E Station 2+25N. These anomalous values included one value of 927 ppb Au, one value of 860 ppm Cu and two values of 1.8 and 3.6 ppm Ag. There were no elevated values of Pb or Zn in this area. These anomalous values were located immediately downslope from narrow massive sulphide (pyrrhotite, pyrite) lenses.

"M" Grid Rock Sampling

A total of 24 rock samples were taken from outcrop found on the "M" grid and immediately across Harveys Creek to the north. Samples were placed in plastic bags and marked with permanent markers on Tyvek tags zap strapped to the bags. Rock samples were prepared and analyzed at Acme Analytical Laboratories using the R150 (ring grind to -150 mesh) and IDX (36 element - 15 gram sample) preparation codes to analyze for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga and Se. A 15 gram sample of -150 mesh material was leached with 90 ml. 2-2-2 HCl-HNO₃-H₂O at 95 deg. C for one hour, diluted to 300 ml and analyzed by ICP-MS. Laboratory data sheets are shown in Appendix I. Rock Sample data for Au, Cu, Pb, Zn and Ag were plotted as Figure 10, which includes sample descriptions. Narrow (less than 100 cm. width), discontinuous massive sulphide lenses, striking roughly east and dipping steeply to the north were sampled in an area between line 7+50E Station 2+15N and line 7+00E 2+50N. Other massive sulphide zones of similar character were sampled immediately across Harveys Creek to the North. None of the massive sulphides sampled showed any anomalous values except for Cu, with values ranging from 244 ppm to 684 ppm Cu in 9 samples.

"M" Grid Ground Magnetic Survey

A Scintrex Model MP-2 proton precession magnetometer was used to gather information on the total field magnetic response of the massive sulphide lenses. The instrument was employed using the sensor mounted on a pack frame, with a potential survey sensitivity of about 10 nanoTeslas (nT) in this configuration. Magnetic readings were taken every 25 meters on the baseline, from 0+00E to 9+75E. The survey data is shown as Figure 11. The baseline readings were corrected for diurnal variation by looping back to the starting point and creating a correction curve, which was used to apply a correction to each baseline reading. Magnetic readings were also taken on lines 7+50E, 7+40E, 7+20E and 7+00E and corrected by looping similar to the baseline corrections. A total of approximately 1.7 kilometers of magnetic readings were taken at spacings from 5 to 25 meters.

The corrected magnetic reading at Baseline 0+00E (+56,856 nT) was subtracted from all corrected readings for ease of plotting. A small magnetic anomaly was detected between line 7+40E 1+85N and line 7+20E 1+95N. Values within this anomaly are 200 to 700 nT above

background. This anomaly is consistent with the occurrence of narrow discontinuous massive sulphide lenses outcropping some 30 meters to the north.

“M” Grid Discussion

The work carried out during 2003 succeeded in finding the massive sulphide occurrences first documented by Amos Bowman in the 1880's. However, these lenses are narrow and discontinuous, with no appreciable economic values (other than elevated Cu) being returned from the rocks sampled. No further work is recommended in this area.

2.02 “High” Grid

“High” Grid Establishment

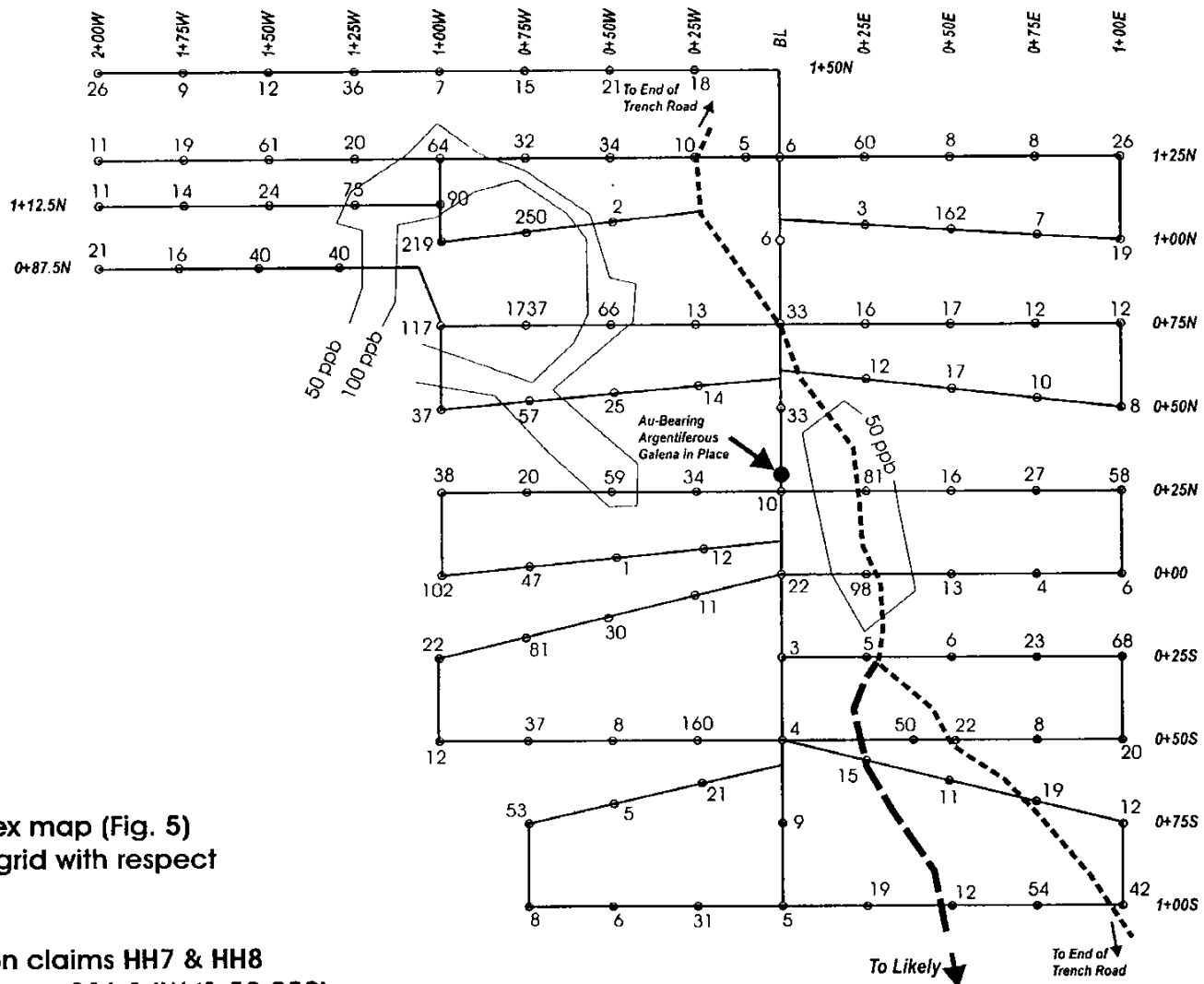
The “High” grid was established in an attempt to trace a mineralized quartz zone (1.18 oz/ton gold over 4.1 meters) located 10 meters upslope from a geochemical soil station that had returned a gold value of 2932 ppb in a previous survey.

A total of approximately 2.9 kilometers of grid were established, using hip chain and compass, centered on the Au-bearing argentiferous galena mineralization that had been previously sampled. A 250 meter baseline and 11 cross-lines varying from 175 to 300 meters in length were established.

“High” Grid Soil Sampling

A total of 109 soil samples were taken at nominal 25 meter intervals on the survey grid. Soil samples were taken using a mattock from an average depth of 20 to 25 centimeters from the “B” or “C” horizon. Samples were placed in kraft bags and station designations were marked on the bags with a permanent marker. Soil samples were prepared and analyzed at Acme Analytical Laboratories using the R150 (ring grind to -150 mesh) and 1DX (36 element – 15 gram sample) preparation codes to analyze for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga and Se. A 15 gram sample of -150 mesh material was leached with 90 ml. 2-2-2 HCl-HNO₃-H₂O at 95 deg. C for one hour, diluted to 300 ml and analyzed by ICP-MS. Laboratory data sheets are shown in Appendix I.

Soil sample data for Au, Cu, Pb, Zn and Ag were plotted as Figures 8A through 8E. Au and to a much lesser extent Ag values were anomalous over a 125 meter area between line 0+25N station 0+50W and line 1+25N station 1+00W. Ten Au values ranging from 59 to 1737 ppb were located in this anomalous area.

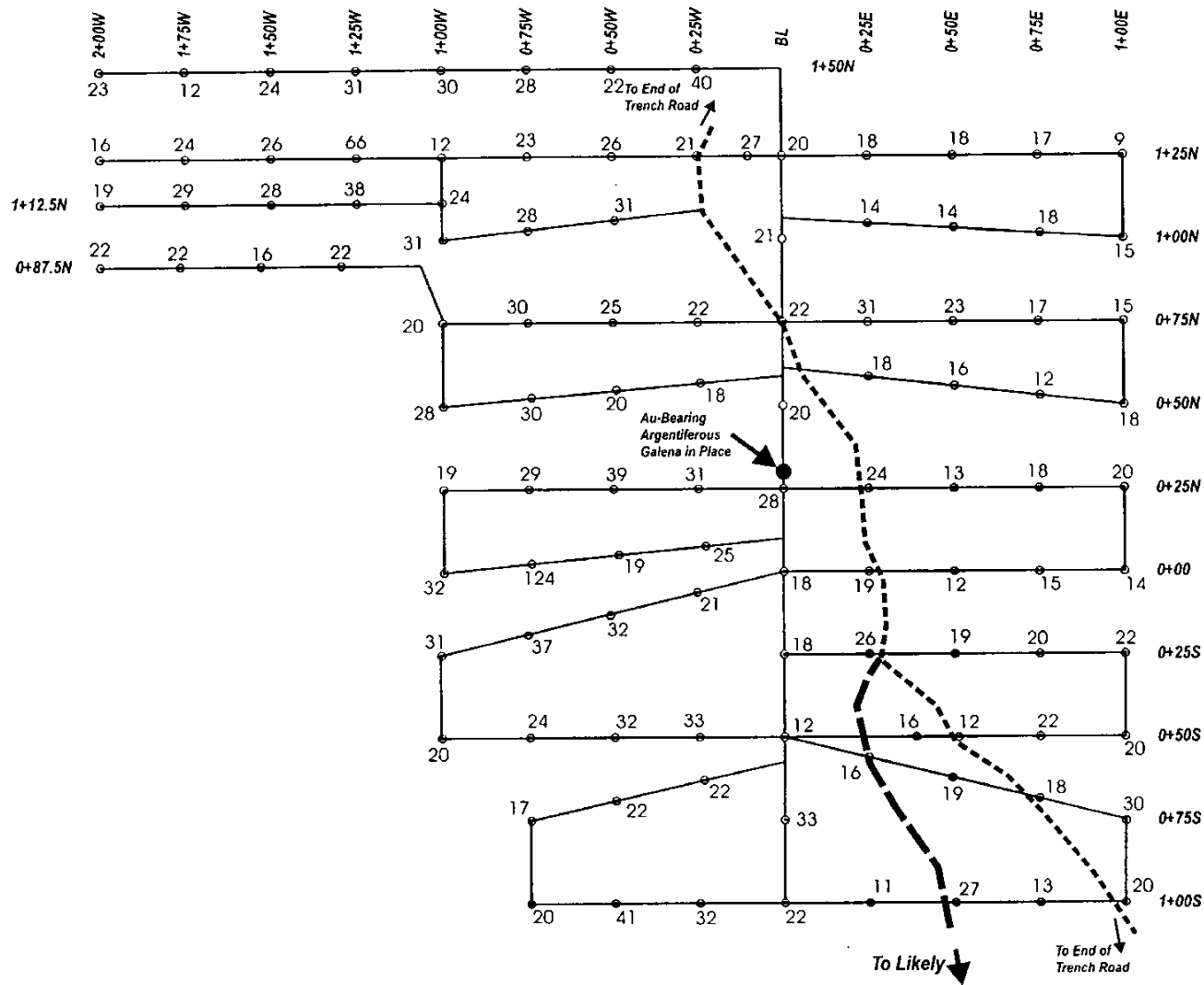


Please see index map (Fig. 5)
for location of grid with respect
to claims

"High Grid" is on claims HH7 & HH8
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Au-Bearing Argentiferous Galena is:
UTM Northing: 5857496
UTM Easting: 614908

| | | |
|---|--|------------------|
| SYDNEY RESOURCE CORPORATION <i>Simlock Creek Property, British Columbia</i> | | |
| "High" Grid - Soil Geochemistry (Gold - ppb) | | |
| To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004 | | Fig. - 8A |



Please see index map (Fig. 5) for location of grid with respect to claims

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

“High” Grid - Soil Geochemistry (Copper - ppm)

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

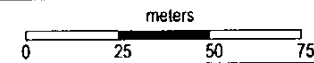
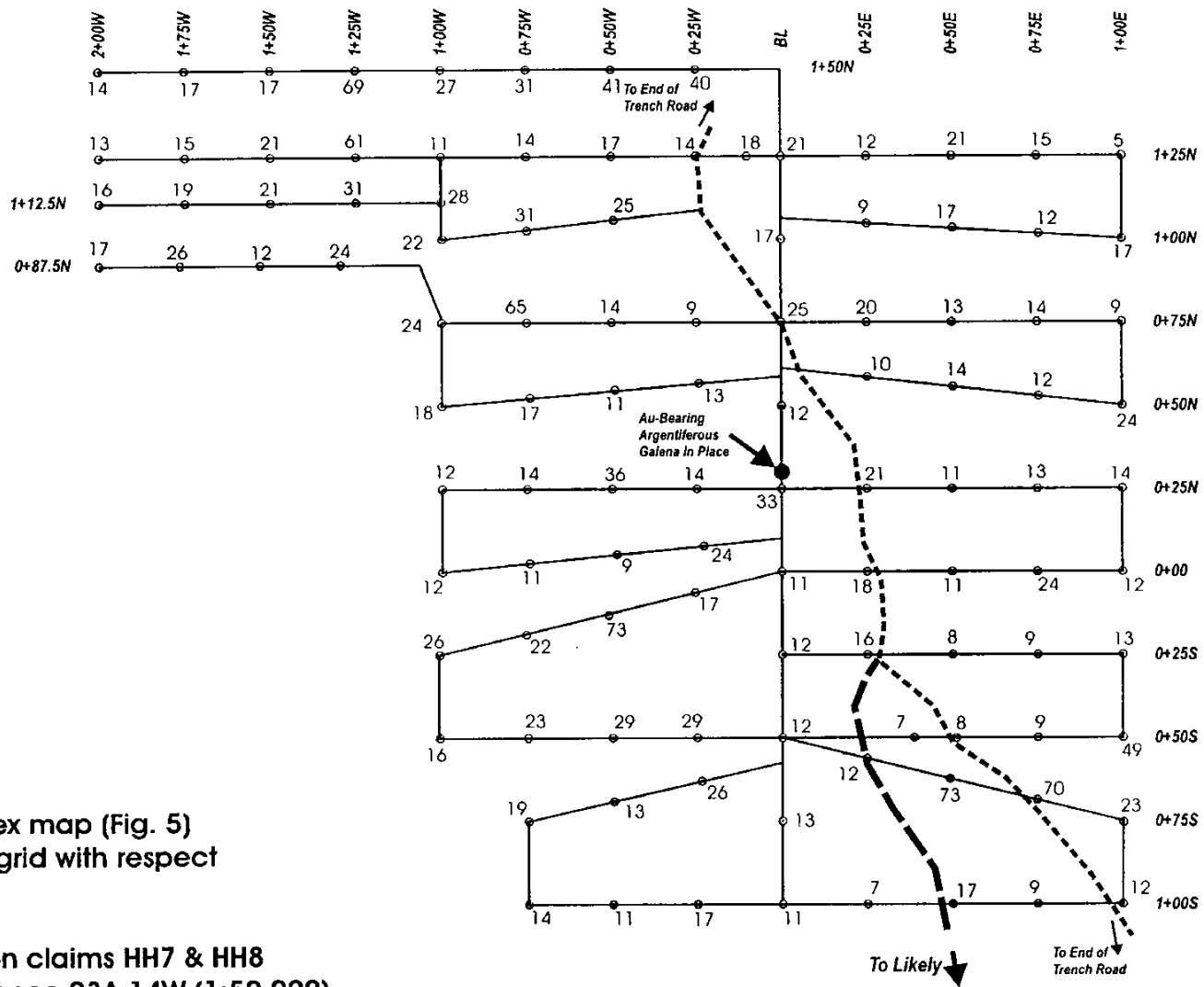


Fig. - 8B

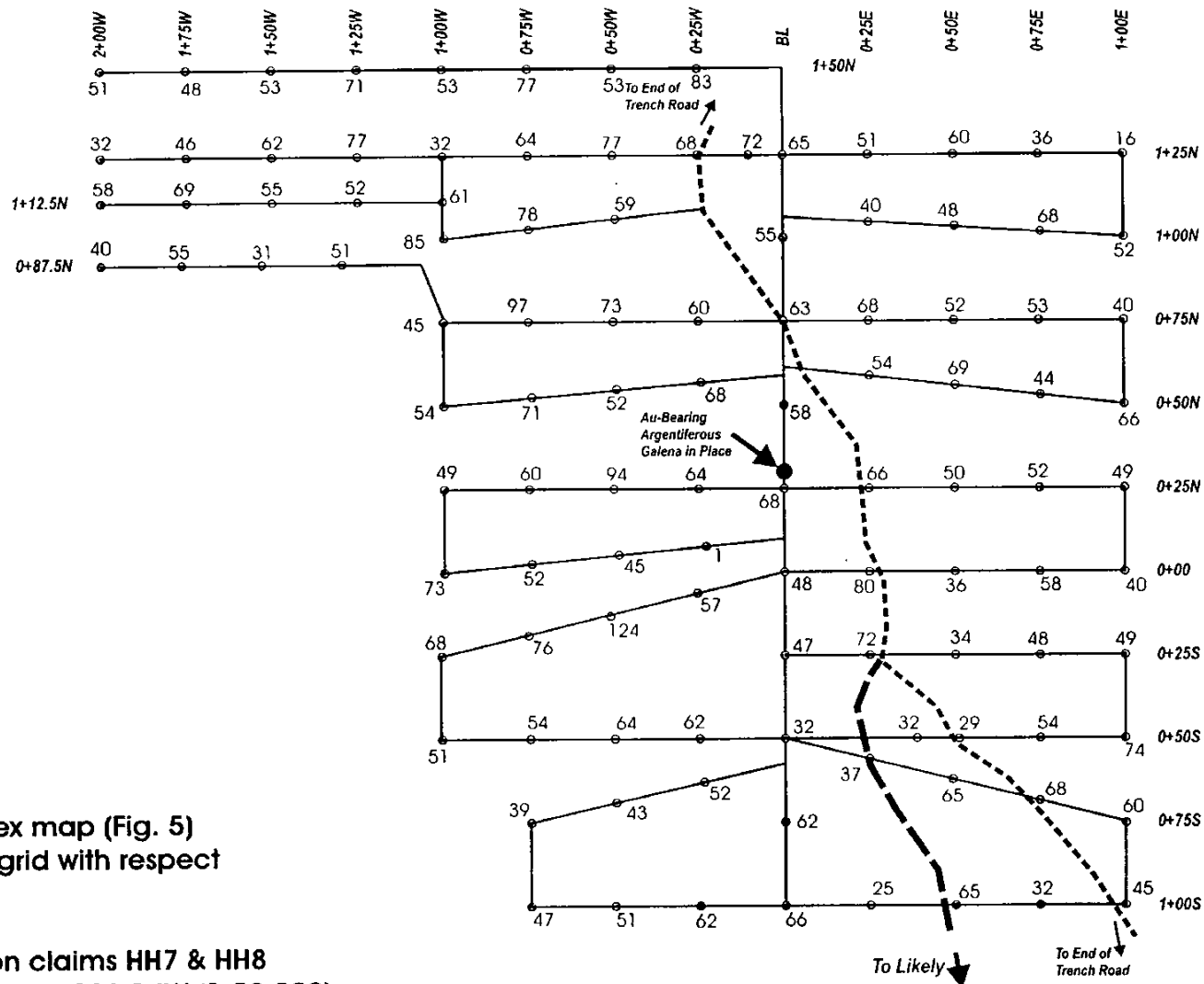


Please see index map (Fig. 5) for location of grid with respect to claims

“High Grid” is on claims HH7 & HH8
 NTS Map Reference 93A 14W (1:50,000)
 93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location of Au-Bearing Argentiferous Galena is:
 UTM Northing: 5857496
 UTM Easting: 614908

| | |
|---|--|
| SYDNEY RESOURCE CORPORATION <i>Simlock Creek Property, British Columbia</i> | |
| “High” Grid - Soil Geochemistry (Lead - ppm) | |
| To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004 | |
| Fig. - 8C | |



Please see index map (Fig. 5)
for location of grid with respect
to claims

"High Grid" is on claims HH7 & HH8
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Au-Bearing Argentiferous Galena is:
UTM Northing: 5857496
UTM Easting: 614908

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"High" Grid - Soil Geochemistry (Zinc - ppm)

To Accompany a Report by Doug
Symonds, P.Geo. Dated October
15, 2004

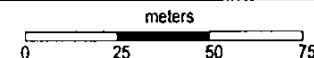
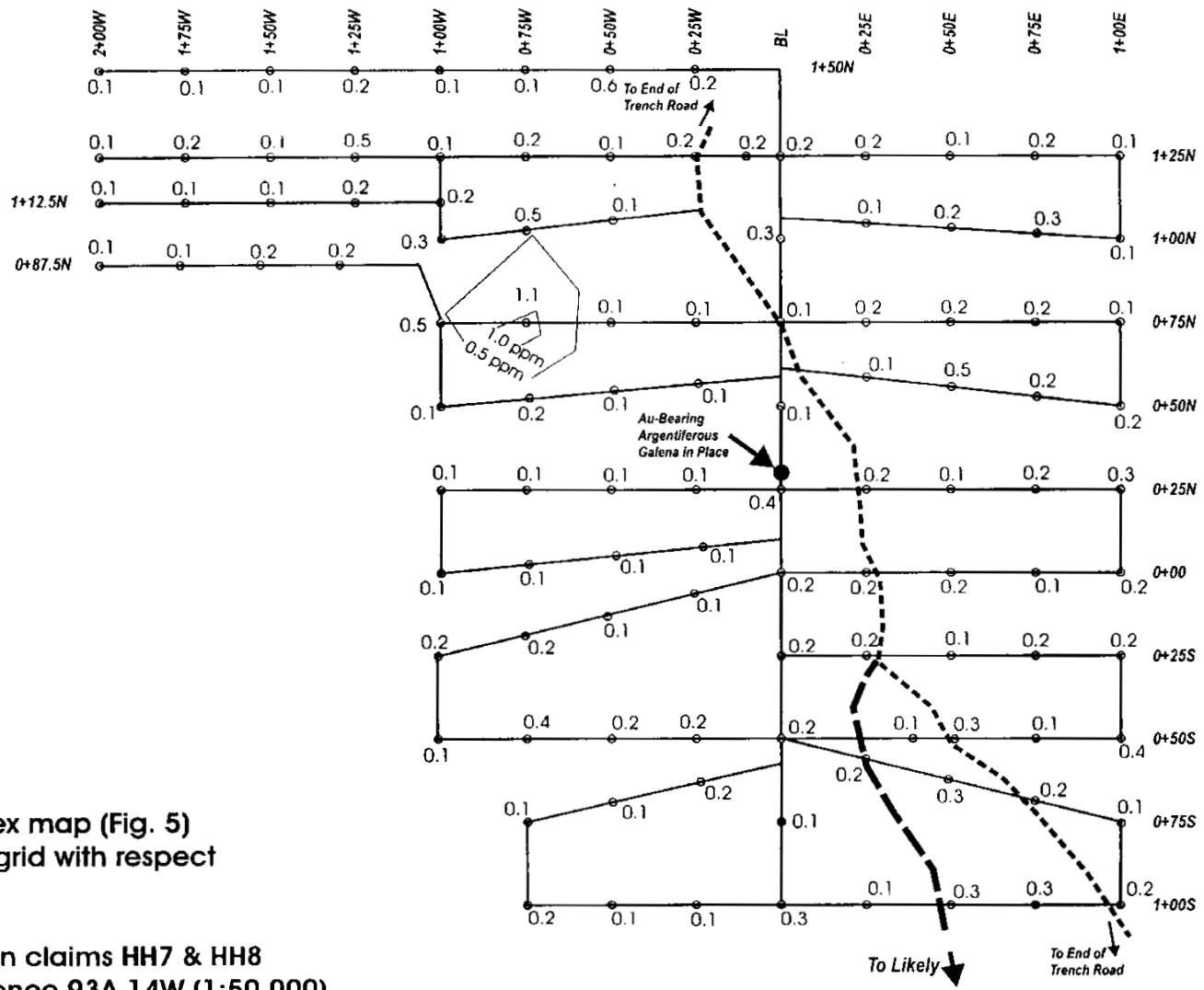


Fig. - 8D



Please see index map (Fig. 5) for location of grid with respect to claims

“High Grid” is on claims HH7 & HH8
 NTS Map Reference 93A 14W (1:50,000)
 93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location of Au-Bearing Argentiferous Galena is:
 UTM Northing: 5857496
 UTM Easting: 614908

| | | |
|---|--|------------------|
| SYDNEY RESOURCE CORPORATION <i>Simlock Creek Property, British Columbia</i> | | |
| “High” Grid - Soil Geochemistry (Silver - ppm) | | |
| To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004 | | Fig. - 8E |

“High” Grid Discussion

The anomalous Au geochemistry, with values up to 1737 ppb Au, may reflect the northwestern extension of the Au-bearing argentiferous galena which was previously sampled. This anomalous area should be exposed using an excavator, mapped and sampled in conjunction with other future field work on the project.

2.03 “Pit” Sampling

“Pit” Rock Sampling

A total of 11 rock samples were taken from outcrop found in a borrow pit beside the main access road through the property. Sample locations, descriptions and values for Au, Cu, Pb, Zn and Ag were plotted as Figure 13. Samples were placed in plastic bags and marked with permanent markers on Tyvek tags zip strapped to the bags. Rock samples were prepared and analyzed at Acme Analytical Laboratories using the R150 (ring grind to -150 mesh) and IDX (36 element – 15 gram sample) preparation codes to analyze for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga and Se. A 15 gram sample of -150 mesh material was leached with 90 ml. 2-2-2 HCl-HNO₃-H₂O at 95 deg. C for one hour, diluted to 300 ml and analyzed by ICP-MS. Samples with Au values greater than 1000 ppb were reanalyzed using the Group 6 preparation code (precious metals by fire assay from 1 A.T. sample, analysis by ICP-ES). Laboratory data sheets are shown in Appendix I. Two samples taken from the pit were highly anomalous in Au. Sample #03151, a grab sample with pyrite and pyrrhotite, ran 4,438 ppb Au and 356 ppm Cu. Sample #03159, a 50 centimeter chip sample taken through a zone with pyrite, pyrrhotite and a trace of chalcopyrite ran 8,757 ppb Au and 381 ppm Cu.

“Pit” Sampling Discussion

The area around the “Pit” sampling should be mapped in detail and an excavator used where required to trace any mineralized zone of interest.

2.04 “Float” Grid Sampling

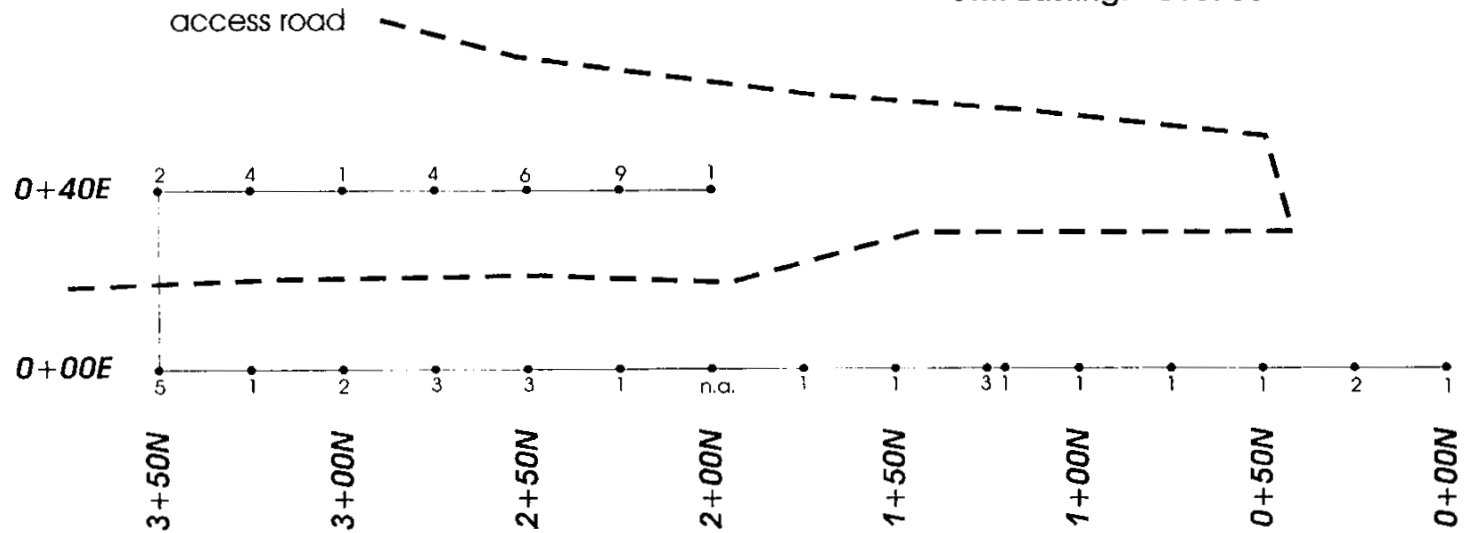
“Float” Grid Sampling

A small grid was established near a main access road and 23 soil samples were taken in an attempt to trace the lode source of a float sample (sample #03005) with visible chalcopyrite and malachite mineralization. The location and analytical information for this sample is shown on Figure 14. Sample #03005 ran 581 ppb Au, 22,296 ppm (2.2%) Cu, 912 ppm Pb, 1,537 ppm Zn and 21 ppm (21 grams/tonne) Ag. No anomalous Au, Cu, Pb, Zn or Ag values (as shown in Figures 12A through 12E) were detected in the 23 soil samples and the lode source of sample #03005 remains unknown.

Please see index map (Fig. 5)
for location of grid with respect
to claims

"Float Grid" is on claim HH9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
0+00N 0+00E is:
UTM Northing: 5855320
UTM Easting: 616730



SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"Float" Grid - Soil Geochemistry (Gold - ppb)

To Accompany a Report by Doug
Symonds, P.Geo. Dated October
15, 2004

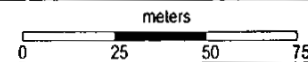
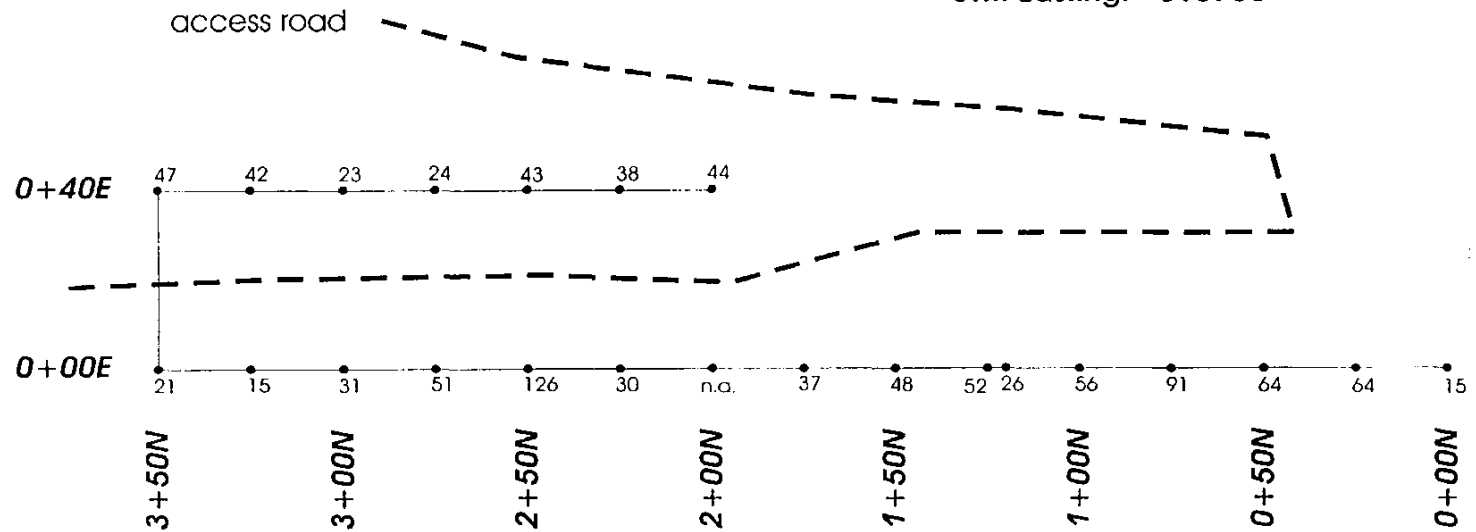


Fig. - 12A

Please see index map (Fig. 5)
for location of grid with respect
to claims

"Float Grid" is on claim HH9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
0+00N 0+00E is:
UTM Northing: 5855320
UTM Easting: 616730



SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"Float" Grid - Soil Geochemistry (Copper - ppm)

To Accompany a Report by Doug
Symonds, P.Geo. Dated October
15, 2004

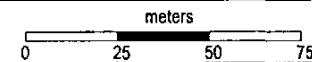
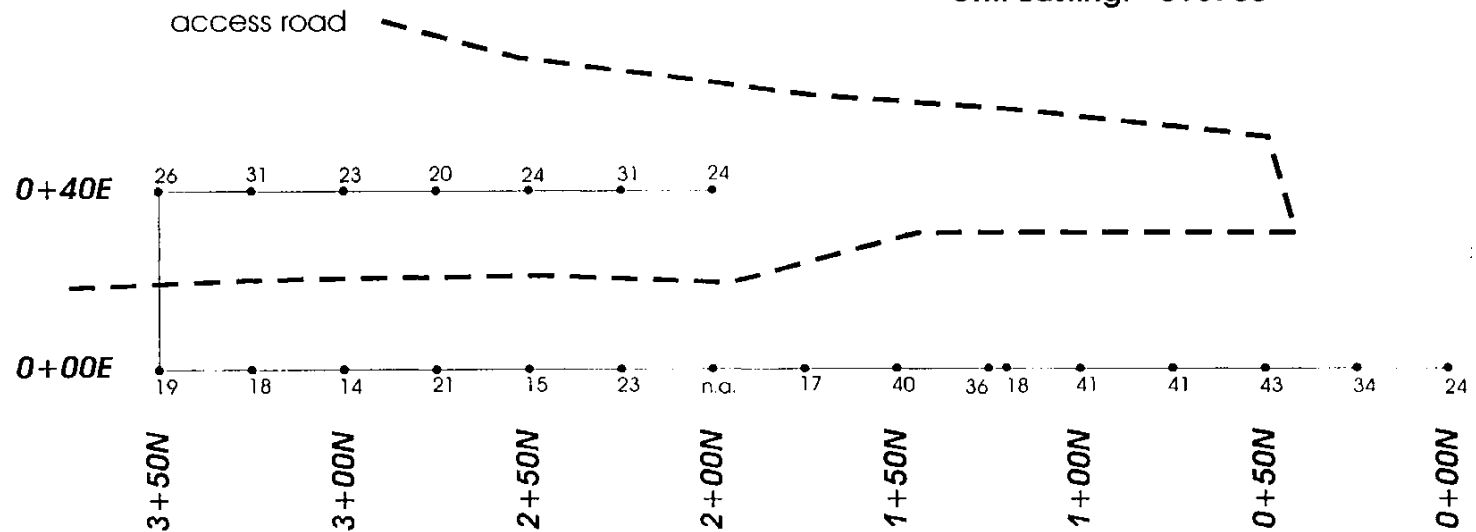


Fig. - 12B

Please see index map (Fig. 5)
for location of grid with respect
to claims

"Float Grid" is on claim HH9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
0+00N 0+00E is:
UTM Northing: 5855320
UTM Easting: 616730



SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"Float" Grid - Soil Geochemistry (Lead - ppm)

To Accompany a Report by Doug
Symonds, P.Geo. Dated October
15, 2004

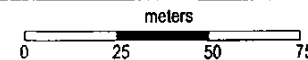
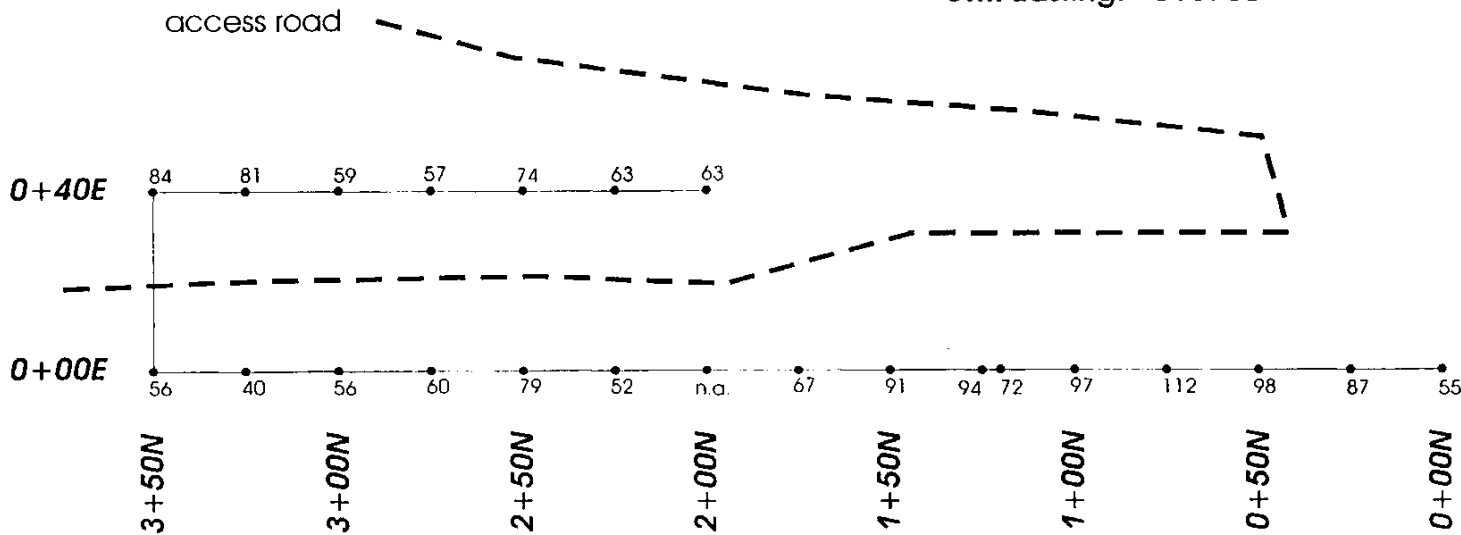


Fig. - 12C

Please see index map (Fig. 5)
for location of grid with respect
to claims

"Float Grid" is on claim HH9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
0+00N 0+00E is:
UTM Northing: 5855320
UTM Easting: 616730



SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"Float" Grid - Soil Geochemistry (Zinc - ppm)

To Accompany a Report by Doug
Symonds, P.Geo. Dated October
15, 2004

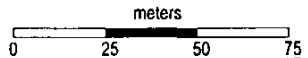
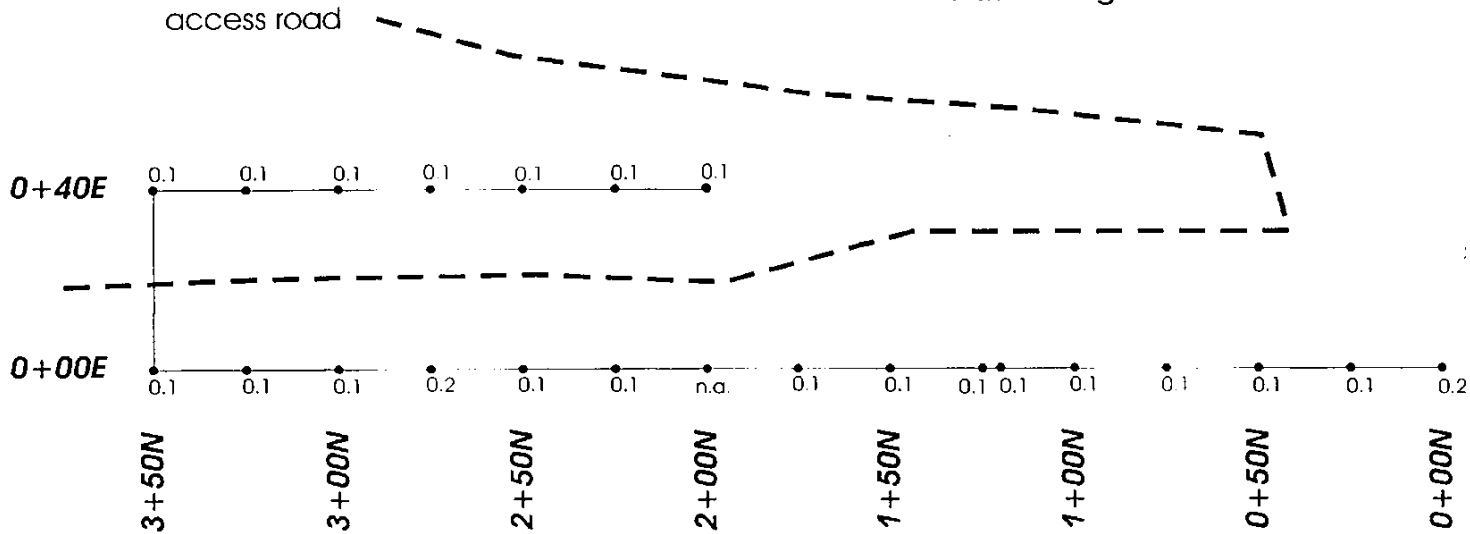


Fig. - 12D

Please see index map (Fig. 5)
for location of grid with respect
to claims

"Float Grid" is on claim HH9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
0+00N 0+00E is:
UTM Northing: 5855320
UTM Easting: 616730



SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"Float" Grid - Soil Geochemistry (Silver - ppm)

To Accompany a Report by Doug
Symonds, P.Geo. Dated October
15, 2004

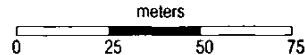


Fig. - 12E

2.05 "Recon" Sampling

"Recon" Sampling

A total of 11 rock samples were taken from areas of interest in the southwest corner of the property, as shown in Figure 14. Besides sample #03005 which is described above, two other samples were anomalous in copper (sample #03012 - 1,185 ppm Cu and sample # 03140 - 1,927 ppm Cu). There was one sample anomalous in lead (sample #03142 - 560 ppb Pb). These samples which were anomalous in Cu and Pb were from very narrow zones with no Au values.

3.0 RECOMMENDATIONS

No further work is recommended in the area of the "M" grid. Follow-up trenching and mapping is recommended on the "High" grid gold geochemical anomaly. Follow-up trenching and mapping is recommended in the area of the "Pit" sampling.

4.0 ITEMIZED COST STATEMENT

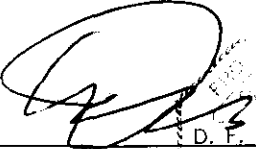
| ITEMIZED COST STATEMENT | | | | | |
|---|--|--|--------------------|--|--------------------|
| (a) Wages Paid | | | | | |
| Doug Symonds, P.Geo. | | | | | |
| Daily Rate | | | \$300/day | | |
| Specific Dates Worked - | | | | | |
| June: 5 to 24 | | | 20 days | | |
| July: 5 to 17 | | | 14 days | | |
| Total Number of Days | | | 33 days | | |
| Total Wages Paid to Doug Symonds: | | | | | \$ 9,900.00 |
| Lawrence Solkoski, B.Sc. (Geology) | | | | | |
| Daily Rate | | | \$250/day | | |
| Specific Dates Worked - | | | | | |
| June: 5 to 24 | | | 20 days | | |
| July: 5 to 17 | | | 13 days | | |
| Total Number of Days | | | 33 days | | |
| Total Wages Paid to Lawrence Solkoski: | | | | | \$ 8,250.00 |
| (b) Food & Accommodation | | | | | |
| Accommodation (Two One-Bedroom Cabins at Likely, B.C.): | | | | | |
| Daily Rate: \$40.00/day | | | | | |
| June: 5 to 24 | | | 40 man-days | | |
| July: 5 to 17 | | | 26 man-days | | |
| | | | 66 man-days | | \$ 2,640.00 |
| Food: | | | | | |
| Daily Rate: \$24.56/day | | | | | |
| June: 5 to 24 | | | 40 man-days | | |
| July: 5 to 17 | | | 26 man-days | | |
| | | | 66 man-days | | \$ 1,620.96 |
| (c) Transportation | | | | | |

5.0 STATEMENT OF AUTHOR'S QUALIFICATIONS


I, Douglas F. Symonds, of 1725 Dorset Avenue, Port Coquitlam, British Columbia, V3B 2A3 do hereby certify that:

1. I hold a B.Sc. Degree in Geology (1972) from the University of British Columbia with over 30 years of professional experience since graduation.
2. I am a registered Professional Geoscientist in the Province of British Columbia (Membership #19200).
3. I have based this report on work carried out by myself or under my direct supervision during June and July of 2003.

Dated at Vancouver, British Columbia, this 15th day of October, 2004



Douglas F. Symonds, P. Geo.



APPENDIX I

Soil Sample Data from *Acme Analytical Laboratories Ltd.*

ACME ANALYTICAL LABS LTD.

852 E. Hastings St., Vancouver, BC
CANADA V6A 1R6

Confirmation of Request for Analyses

(Please DO NOT fax back to ACME unless there are changes to be made.)

File #: **A302223**

Date: **Jun 25 2003**

To: _____
Name: Doug Symonds
Company: Sydney Resource Corporation
Fax: (604) 669-5193
Project: _____

From: _____
Name: Clarence/Jacky
Phone: (604)253-3158, 1-800-990-2263
Fax: (604)253-1716
e-mail: tech@acmelab.com

of Samples: 226 Sample type: SOIL SS80 60 Date Received: Jun 25 2003

First sample name: HG 1+25N 1+00W Last sample name: M 11+50E BL

Analysis Requested: GIORISg

(Please review carefully and notify us of any changes to be made.)

Estimated date of completion: July 8/03

STORAGE:** Coarse rejects (free for 3 months, from date received; unless we received instructions regarding storage, we will begin invoicing at the end of three months.)
** Pulps (free for one year, from date received)

Please note: the following missing/extra samples were noted in the sample sequence.

Missing Samples: _____

- Do you want us to hold analysis until the samples are received?

Hold analysis ** Missing samples will be sent to Acme on _____
 Proceed with analysis

Extra Samples: _____

Discard/ disregard extra samples
 Include extra samples in analysis

Date: June 26/03

Authorizing Name or Signature Required



GEOCHEMICAL ANALYSIS CERTIFICATE



Sydney Resource Corporation File # A302223 Page 1
 1550 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Doug Symonds

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
|-------------------|-----|-------|------|-----|-----|------|------|------|------|------|-----|--------|------|-----|-----|-----|------|-----|-----|------|-----|-------|-----|-----|------|----|------|------|-----|-----|------|-----|-----|------|-----|-----|
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| G-1 | 1.4 | 2.8 | 2.5 | 44 | <1 | 4.1 | 3.8 | 524 | 1.96 | <5 | 2.7 | <5 | 4.5 | 77 | <1 | <1 | .1 | 39 | .58 | .089 | 8 | 32.8 | .58 | 197 | .129 | <1 | .91 | .075 | .42 | .9 | <.01 | 1.8 | .4 | .07 | 5 | <.5 |
| HG 1+25N 1+00W | .7 | 12.0 | 10.7 | 32 | .1 | 21.0 | 7.1 | 163 | 2.46 | 13.1 | .4 | 64.2 | 5.4 | 3 | <.1 | .2 | .4 | 17 | .02 | .025 | 29 | 7.1 | .03 | 20 | .004 | 3 | .46 | .003 | .02 | .5 | <.01 | .6 | .1 | .06 | 2 | <.5 |
| HG 1+25N 0+75W | 1.0 | 22.8 | 14.2 | 64 | .2 | 40.2 | 11.6 | 635 | 4.77 | 35.3 | .9 | 31.7 | 12.8 | 5 | .1 | .1 | .5 | 15 | .03 | .050 | 32 | 13.8 | .17 | 32 | .002 | 1 | .90 | .003 | .04 | .5 | <.01 | 2.6 | .1 | .09 | 3 | <.5 |
| HG 1+25N 0+50W | .7 | 26.3 | 16.8 | 77 | .1 | 34.5 | 13.3 | 303 | 4.90 | 33.0 | .6 | 33.9 | 10.4 | 3 | .1 | .2 | .9 | 26 | .01 | .054 | 34 | 28.5 | .34 | 27 | .004 | 1 | 1.20 | .003 | .03 | .5 | <.01 | 1.6 | <.1 | <.05 | 6 | <.5 |
| HG 1+25N 0+25W | .8 | 21.3 | 13.9 | 68 | .2 | 30.7 | 11.2 | 1191 | 3.67 | 15.4 | .5 | 9.7 | 6.4 | 10 | .1 | .1 | .4 | 24 | .12 | .061 | 29 | 23.3 | .35 | 98 | .005 | <1 | 1.10 | .003 | .04 | .2 | .05 | 1.3 | .1 | .08 | 5 | <.5 |
| HG 1+25N 0+10W | .7 | 27.1 | 18.0 | 72 | .2 | 36.9 | 12.4 | 603 | 4.43 | 22.4 | 1.0 | 4.5 | 10.3 | 4 | .1 | .2 | .4 | 25 | .03 | .066 | 30 | 28.9 | .38 | 59 | .003 | 1 | 1.35 | .001 | .04 | .2 | .03 | 1.4 | .1 | <.05 | 6 | <.5 |
| HG 1+25N 0+25E | .7 | 18.2 | 11.9 | 51 | .2 | 23.6 | 8.3 | 273 | 2.80 | 14.6 | .6 | 59.7 | 7.5 | 14 | .1 | .2 | .3 | 24 | .17 | .034 | 28 | 14.1 | .20 | 34 | .005 | 1 | .88 | .004 | .03 | .4 | .03 | 1.1 | .1 | <.05 | 5 | <.5 |
| HG 1+25N 0+50E | .9 | 17.9 | 20.6 | 60 | .1 | 24.1 | 8.5 | 345 | 3.61 | 19.5 | .7 | 7.7 | 4.0 | 10 | <.1 | .2 | .4 | 23 | .18 | .048 | 24 | 17.7 | .22 | 29 | .005 | <1 | .89 | .004 | .04 | .2 | .04 | .9 | <.1 | .06 | 5 | <.5 |
| HG 1+25N 0+75E | .5 | 16.5 | 15.2 | 36 | .2 | 19.0 | 8.1 | 134 | 3.04 | 24.6 | 3.8 | 8.0 | 4.6 | 17 | .1 | .1 | .3 | 16 | .22 | .034 | 19 | 8.0 | .06 | 19 | .004 | 1 | .57 | .004 | .03 | .2 | .02 | 1.0 | <.1 | <.05 | 3 | .5 |
| HG 1+25N 1+00E | .5 | 8.5 | 4.5 | 16 | .1 | 8.6 | 2.8 | 63 | .97 | 7.9 | .3 | 25.5 | 7.5 | 3 | <.1 | .1 | .1 | 16 | .02 | .018 | 46 | 4.5 | .03 | 13 | .004 | 2 | .34 | .004 | .03 | .2 | <.01 | .5 | .1 | .10 | 5 | <.5 |
| HG 1+00N 1+00W | .9 | 30.5 | 22.3 | 85 | .3 | 43.4 | 15.6 | 350 | 4.46 | 22.7 | 1.1 | 219.2 | 11.7 | 5 | .2 | .2 | .8 | 18 | .04 | .061 | 39 | 22.9 | .31 | 50 | .004 | 1 | 1.29 | .003 | .05 | 1.0 | .06 | 1.7 | <.1 | <.05 | 4 | <.5 |
| HG 1+00N 0+75W | .8 | 28.3 | 31.2 | 78 | .5 | 39.7 | 14.5 | 351 | 4.78 | 22.8 | 1.0 | 249.5 | 13.9 | 6 | .2 | .2 | 1.1 | 17 | .05 | .053 | 45 | 16.1 | .22 | 41 | .003 | <1 | 1.08 | .003 | .04 | .6 | .01 | 1.6 | .1 | <.05 | 4 | <.5 |
| HG 1+00N 0+50W | 1.0 | 31.2 | 24.9 | 59 | .1 | 30.8 | 11.4 | 277 | 4.56 | 21.3 | .6 | 1.5 | 10.4 | 3 | .2 | .1 | .4 | 26 | .01 | .049 | 42 | 17.4 | .16 | 31 | .007 | <1 | .89 | .004 | .04 | .2 | .02 | 1.7 | .1 | <.05 | 6 | <.5 |
| HG 1+00N 0+25E | .6 | 14.1 | 8.6 | 40 | .1 | 19.4 | 6.4 | 172 | 2.65 | 15.4 | .5 | 3.0 | 5.7 | 6 | .1 | .2 | .3 | 31 | .06 | .030 | 38 | 16.5 | .17 | 32 | .006 | <1 | .84 | .003 | .03 | .2 | <.01 | 1.1 | .1 | <.05 | 6 | <.5 |
| HG 1+00N 0+50E | .7 | 14.3 | 17.1 | 48 | .2 | 23.0 | 7.2 | 151 | 3.13 | 19.0 | .6 | 161.8 | 10.3 | 2 | <.1 | .1 | .3 | 21 | .01 | .034 | 45 | 16.4 | .21 | 27 | .003 | <1 | 1.02 | .003 | .03 | .2 | <.01 | 1.2 | .1 | <.05 | 6 | <.5 |
| HG 1+00N 0+75E | .5 | 17.7 | 11.6 | 68 | .3 | 28.2 | 9.3 | 211 | 3.54 | 26.8 | .6 | 6.6 | 8.6 | 3 | .1 | .2 | .2 | 16 | .02 | .050 | 31 | 18.9 | .36 | 23 | .002 | <1 | 1.25 | .003 | .04 | .2 | .03 | 1.1 | .1 | <.05 | 5 | <.5 |
| HG 1+00N 1+00E | .7 | 15.2 | 17.4 | 52 | .1 | 22.0 | 8.2 | 186 | 3.35 | 17.3 | .5 | 18.6 | 7.8 | 6 | .1 | .3 | .4 | 24 | .05 | .036 | 41 | 15.9 | .17 | 26 | .007 | <1 | .85 | .003 | .04 | .4 | .01 | 1.2 | .1 | <.05 | 5 | <.5 |
| HG 0+75N 1+00W | .8 | 20.1 | 23.7 | 45 | .5 | 25.2 | 10.7 | 287 | 3.43 | 21.1 | .5 | 116.8 | 8.8 | 4 | .1 | .2 | .9 | 22 | .03 | .035 | 44 | 10.6 | .06 | 24 | .005 | 1 | .63 | .003 | .04 | .5 | <.01 | 1.2 | .1 | <.05 | 4 | <.5 |
| HG 0+75N 0+75W | .9 | 30.0 | 65.0 | 97 | 1.1 | 34.8 | 25.5 | 883 | 5.48 | 15.0 | .9 | 1736.7 | 8.2 | 10 | .2 | .3 | 18.5 | 23 | .14 | .086 | 33 | 22.9 | .18 | 73 | .005 | <1 | 1.36 | .005 | .05 | .7 | .03 | 1.9 | <.1 | <.05 | 5 | .6 |
| HG 0+75N 0+50W | .9 | 24.8 | 14.1 | 73 | .1 | 32.5 | 12.5 | 256 | 3.93 | 12.4 | .8 | 65.5 | 12.9 | 4 | .1 | .1 | .4 | 17 | .03 | .040 | 49 | 16.0 | .25 | 29 | .005 | <1 | .91 | .003 | .04 | .3 | .01 | 1.3 | .1 | <.05 | 4 | <.5 |
| HG 0+75N 0+25W | .7 | 22.2 | 8.6 | 60 | .1 | 30.1 | 9.6 | 259 | 3.70 | 23.6 | .5 | 13.2 | 10.6 | 3 | .1 | .1 | .3 | 30 | .04 | .055 | 43 | 29.5 | .36 | 35 | .007 | 1 | 1.14 | .003 | .04 | .3 | .01 | 1.5 | <.1 | <.05 | 7 | <.5 |
| HG 0+75N 0+25E | .8 | 31.3 | 20.3 | 68 | .2 | 36.1 | 12.9 | 233 | 4.94 | 25.3 | .6 | 16.1 | 11.8 | 5 | .1 | .1 | .4 | 21 | .03 | .046 | 38 | 27.0 | .34 | 44 | .003 | <1 | 1.45 | .002 | .05 | .3 | .02 | 1.4 | .1 | <.05 | 6 | <.5 |
| HG 0+75N 0+50E | .6 | 22.7 | 13.0 | 52 | .2 | 40.5 | 15.0 | 242 | 4.07 | 35.3 | .7 | 16.7 | 15.1 | 3 | <.1 | .1 | .3 | 19 | .01 | .058 | 51 | 21.8 | .26 | 26 | .003 | <1 | 1.19 | .003 | .04 | .2 | .01 | 1.4 | .1 | <.05 | 5 | <.5 |
| HG 0+75N 0+75E | .7 | 16.9 | 13.7 | 53 | .2 | 20.6 | 7.1 | 142 | 4.12 | 19.7 | .8 | 11.5 | 14.2 | 2 | .1 | .1 | .3 | 22 | .01 | .056 | 50 | 19.7 | .29 | 20 | .005 | <1 | 1.18 | .003 | .04 | .3 | .01 | 1.2 | .1 | <.05 | 6 | <.5 |
| HG 0+75N 1+00E | .7 | 14.9 | 8.9 | 40 | .1 | 17.4 | 6.6 | 196 | 2.29 | 14.8 | .5 | 11.6 | 10.0 | 4 | .1 | .2 | .2 | 17 | .02 | .038 | 49 | 9.5 | .11 | 26 | .004 | <1 | .66 | .003 | .03 | .4 | <.01 | .9 | .1 | <.05 | 5 | <.5 |
| RE HG 0+75N 1+00E | .5 | 14.8 | 9.4 | 41 | .1 | 18.7 | 6.1 | 218 | 2.33 | 14.6 | .5 | 7.5 | 10.2 | 4 | <.1 | .2 | .2 | 17 | .02 | .039 | 49 | 10.8 | .12 | 25 | .004 | <1 | .67 | .003 | .03 | .3 | <.01 | .8 | <.1 | <.05 | 5 | <.5 |
| HG 0+50N 1+00W | .9 | 27.9 | 17.8 | 54 | .1 | 30.0 | 11.9 | 250 | 3.89 | 12.4 | .9 | 37.0 | 8.2 | 8 | .1 | .2 | .6 | 22 | .08 | .045 | 45 | 13.2 | .14 | 34 | .006 | <1 | .76 | .003 | .04 | .4 | <.01 | 1.5 | <.1 | <.05 | 4 | <.5 |
| HG 0+50N 0+75W | .7 | 29.8 | 16.8 | 71 | .2 | 33.2 | 11.4 | 250 | 4.42 | 16.6 | 1.1 | 57.1 | 13.5 | 3 | .1 | .1 | .8 | 21 | .02 | .068 | 50 | 15.2 | .24 | 28 | .007 | 1 | .85 | .003 | .04 | .7 | .01 | 1.4 | <.1 | <.05 | 5 | <.5 |
| HG 0+50N 0+50W | .7 | 19.9 | 11.4 | 52 | .1 | 26.7 | 9.8 | 207 | 3.59 | 13.1 | .7 | 25.3 | 12.6 | 3 | .1 | .1 | .4 | 18 | .02 | .047 | 45 | 16.4 | .25 | 26 | .004 | <1 | .92 | .003 | .04 | .3 | .04 | 1.2 | .1 | <.05 | 4 | <.5 |
| HG 0+50N 0+25W | .8 | 17.5 | 13.2 | 68 | .1 | 28.5 | 10.8 | 286 | 5.11 | 15.8 | .5 | 13.8 | 11.4 | 3 | .1 | .1 | .3 | 23 | .01 | .060 | 43 | 33.9 | .45 | 34 | .004 | <1 | 1.46 | .003 | .04 | .2 | .01 | 1.4 | .1 | <.05 | 7 | <.5 |
| HG 0+50N 0+25E | .8 | 18.3 | 10.0 | 54 | .1 | 24.3 | 9.1 | 182 | 3.32 | 24.8 | .6 | 11.8 | 11.8 | 4 | <.1 | .1 | .2 | 24 | .03 | .030 | 45 | 15.2 | .16 | 21 | .006 | 1 | .81 | .003 | .04 | .1 | .01 | 1.2 | <.1 | <.05 | 5 | <.5 |
| HG 0+50N 0+50E | .8 | 16.4 | 14.0 | 69 | .5 | 21.9 | 8.0 | 154 | 3.11 | 18.1 | .6 | 16.9 | 8.6 | 4 | .1 | .2 | .2 | 20 | .01 | .055 | 40 | 12.4 | .11 | 22 | .004 | 1 | .80 | .003 | .04 | .3 | .01 | 1.0 | .1 | <.05 | 5 | <.5 |
| HG 0+50N 0+75E | .5 | 12.1 | 12.1 | 44 | .2 | 22.0 | 7.2 | 267 | 4.38 | 21.5 | .5 | 10.3 | 9.7 | 3 | <.1 | .1 | .6 | 28 | .02 | .087 | 38 | 26.9 | .28 | 24 | .007 | <1 | 1.26 | .003 | .04 | .2 | .02 | 1.3 | .1 | <.05 | 7 | <.5 |
| HG 0+50N 1+00E | .8 | 18.3 | 23.6 | 66 | .2 | 32.9 | 10.2 | 194 | 5.11 | 31.0 | .5 | 7.9 | 5.9 | 5 | .2 | .1 | .7 | 29 | .05 | .061 | 32 | 31.1 | .31 | 28 | .005 | <1 | 1.16 | .004 | .04 | .6 | .02 | 1.3 | .1 | <.05 | 6 | <.5 |
| HG 0+25N 1+00W | .6 | 19.4 | 12.3 | 49 | .1 | 23.6 | 9.0 | 208 | 3.19 | 10.3 | .5 | 38.0 | 10.7 | 3 | <.1 | .1 | .4 | 20 | .02 | .083 | 42 | 11.8 | .14 | 32 | .008 | <1 | .63 | .003 | .04 | .5 | .01 | 1.1 | <.1 | <.05 | 4 | <.5 |
| STANDARD DS4 | 6.8 | 124.8 | 31.1 | 159 | .3 | 35.1 | 11.6 | 774 | 3.23 | 23.1 | 6.5 | 29.0 | 3.9 | 30 | 5.1 | 4.7 | 5.1 | 76 | .55 | .087 | 17 | 166.7 | .63 | 142 | .100 | 1 | 1.77 | .031 | .17 | 3.9 | .29 | 3.8 | 1.2 | .06 | 6 | 1.5 |

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
 UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
 - SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 25 2003 DATE REPORT MAILED: *July 4/03* SIGNED BY: *[Signature]* TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data *LA* FA



| AMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | 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 | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|-------|-----|-------|--------|--------|--------|------|--------|--------|
| -1 | 1.2 | 2.1 | 2.1 | 39 | <.1 | 4.4 | 3.7 | 503 | 1.81 | <.5 | 3.0 | .8 | 4.2 | 67 | <.1 | <.1 | .1 | 36 | .56 | .090 | 7 | 21.6 | .54 | 179 | .121 | 2 | .84 | .064 | .37 | 1.0 | <.01 | 1.4 | .3 | <.05 | 5 | <.5 |
| G 0+25N 0+75W | 1.1 | 28.9 | 13.7 | 60 | .1 | 31.2 | 12.1 | 303 | 4.12 | 14.0 | .7 | 19.6 | 8.4 | 4 | .1 | .1 | .4 | 14 | .05 | .072 | 34 | 12.5 | .18 | 30 | .006 | 1 | .71 | .003 | .03 | .7 | .02 | 1.3 | <.1 | <.05 | 3 | <.5 |
| G 0+25N 0+50W | .8 | 38.6 | 35.8 | 94 | .1 | 57.6 | 17.6 | 376 | 5.36 | 31.4 | 1.1 | 59.2 | 11.1 | 3 | .2 | .1 | .6 | 9 | .01 | .072 | 31 | 15.8 | .20 | 32 | .002 | 1 | .99 | .003 | .03 | .3 | .03 | 1.9 | <.1 | <.05 | 3 | <.5 |
| G 0+25N 0+25W | 1.0 | 30.5 | 14.2 | 64 | .1 | 34.0 | 11.8 | 248 | 4.68 | 15.7 | .8 | 34.1 | 11.1 | 3 | .1 | .1 | .4 | 14 | .02 | .048 | 33 | 14.7 | .19 | 25 | .005 | 1 | .80 | .002 | .02 | .4 | .01 | 1.5 | <.1 | <.05 | 4 | <.5 |
| G 0+25N 0+25E | .7 | 24.2 | 20.7 | 66 | .2 | 29.0 | 10.7 | 320 | 3.31 | 26.2 | .6 | 81.4 | 7.0 | 4 | .2 | .1 | .4 | 17 | .05 | .049 | 23 | 13.5 | .22 | 18 | .004 | 3 | .83 | .003 | .03 | .3 | .02 | 1.1 | <.1 | <.05 | 5 | <.5 |
| G 0+25N 0+50E | .6 | 13.2 | 10.7 | 50 | .1 | 20.8 | 6.7 | 251 | 3.16 | 13.8 | .3 | 16.0 | 8.8 | 2 | .1 | .1 | .2 | 23 | .03 | .055 | 29 | 16.1 | .24 | 19 | .007 | 2 | .91 | <.001 | .05 | .3 | .01 | .8 | <.1 | <.05 | 6 | <.5 |
| G 0+25N 0+75E | .9 | 18.4 | 13.1 | 52 | .2 | 23.2 | 7.0 | 157 | 4.46 | 16.4 | .6 | 26.6 | 9.5 | 2 | .1 | .1 | .3 | 19 | .01 | .062 | 35 | 19.9 | .27 | 18 | .005 | <.1 | 1.23 | .003 | .03 | .3 | .02 | 1.0 | <.1 | <.05 | 6 | <.5 |
| IG 0+25N 1+00E | .8 | 19.8 | 13.8 | 49 | .3 | 23.1 | 7.1 | 152 | 4.18 | 23.2 | .5 | 58.2 | 7.3 | 2 | <.1 | .1 | .3 | 22 | .01 | .085 | 26 | 19.5 | .22 | 25 | .005 | <.1 | 1.05 | .003 | .02 | .5 | .02 | 1.1 | .1 | <.05 | 6 | <.5 |
| IG 0+00N 1+00W | .9 | 32.2 | 11.6 | 73 | .1 | 30.7 | 10.5 | 266 | 4.43 | 11.3 | .5 | 102.1 | 7.5 | 2 | .1 | .1 | .3 | 18 | .01 | .065 | 30 | 13.7 | .15 | 28 | .006 | 1 | .80 | .003 | .03 | .3 | <.01 | 1.2 | <.1 | <.05 | 4 | <.5 |
| IG 0+00N 0+75W | 1.2 | 123.6 | 11.1 | 52 | .1 | 35.0 | 11.9 | 285 | 3.98 | 30.0 | .6 | 46.7 | 8.3 | 2 | .1 | .2 | .4 | 16 | .01 | .041 | 30 | 7.6 | .08 | 17 | .007 | <.1 | .47 | .002 | .02 | 1.5 | <.01 | 1.2 | <.1 | <.05 | 4 | <.5 |
| IG 0+00N 0+50W | .8 | 19.1 | 9.3 | 45 | <.1 | 28.2 | 9.7 | 284 | 3.23 | 11.5 | .4 | 1.3 | 6.8 | 2 | .1 | .1 | .2 | 16 | .03 | .031 | 23 | 7.4 | .06 | 12 | .007 | <.1 | .43 | .003 | .03 | .4 | .01 | 1.1 | <.1 | <.05 | 3 | <.5 |
| IG 0+00N 0+25W | 1.1 | 25.3 | 23.8 | 61 | .1 | 29.5 | 9.6 | 238 | 5.04 | 11.7 | .7 | 12.4 | 6.0 | 3 | .1 | .2 | .4 | 22 | .01 | .061 | 24 | 17.1 | .15 | 39 | .005 | 1 | .96 | .002 | .02 | 1.3 | .02 | 1.2 | <.1 | <.05 | 5 | <.5 |
| IG 0+00N 0+25E | .8 | 19.4 | 18.2 | 80 | .2 | 39.6 | 11.1 | 241 | 3.69 | 52.0 | .5 | 97.5 | 4.9 | 3 | .2 | .3 | .3 | 18 | .03 | .070 | 19 | 10.8 | .09 | 10 | .010 | 1 | .55 | .002 | .03 | .3 | .02 | 1.4 | <.1 | .06 | 4 | <.5 |
| IG 0+00N 0+50E | .8 | 12.1 | 10.5 | 36 | .2 | 16.8 | 5.8 | 143 | 2.35 | 14.5 | .3 | 12.9 | 5.8 | 2 | .1 | .1 | .3 | 25 | .01 | .039 | 22 | 8.5 | .08 | 20 | .009 | 1 | .65 | .003 | .01 | .3 | .01 | .8 | <.1 | <.05 | 5 | <.5 |
| IG 0+00N 0+75E | .9 | 15.2 | 23.6 | 58 | .1 | 25.7 | 7.5 | 220 | 4.62 | 15.5 | .4 | 4.3 | 7.4 | 2 | <.1 | .1 | .3 | 26 | .01 | .053 | 24 | 28.0 | .35 | 42 | .004 | <.1 | 1.53 | .002 | .03 | .2 | .04 | 1.2 | <.1 | <.05 | 8 | <.5 |
| IG 0+00N 1+00E | .8 | 13.6 | 11.6 | 40 | .2 | 18.5 | 6.4 | 158 | 3.57 | 12.3 | .4 | 6.4 | 8.1 | 2 | <.1 | .1 | .2 | 17 | .01 | .065 | 28 | 18.4 | .26 | 24 | .003 | <.1 | 1.19 | .002 | .02 | 1.2 | .02 | .9 | <.1 | <.05 | 5 | <.5 |
| IG BL 1+25N | .6 | 20.0 | 20.7 | 65 | .2 | 30.5 | 8.9 | 308 | 4.47 | 24.1 | .5 | 5.8 | 6.1 | 4 | .1 | .1 | .3 | 26 | .02 | .077 | 21 | 37.0 | .35 | 46 | .005 | <.1 | 1.34 | .003 | .03 | .2 | .02 | 1.3 | .1 | <.05 | 6 | <.5 |
| IG BL 1+00N | .6 | 20.6 | 17.4 | 55 | .3 | 26.1 | 11.1 | 290 | 3.79 | 16.8 | .9 | 6.4 | 6.1 | 4 | .1 | .1 | .3 | 22 | .03 | .047 | 19 | 21.1 | .20 | 44 | .002 | 1 | 1.42 | .004 | .03 | .2 | .04 | 1.3 | .1 | <.05 | 5 | <.5 |
| IG BL 0+75N | .9 | 22.0 | 25.0 | 63 | .1 | 32.2 | 12.6 | 235 | 5.18 | 18.2 | .8 | 32.8 | 7.8 | 7 | .1 | .1 | .4 | 19 | .05 | .048 | 24 | 26.6 | .28 | 49 | .003 | <.1 | 1.49 | .003 | .03 | .3 | .03 | 1.5 | <.1 | <.05 | 5 | <.5 |
| IG BL 0+50N | .8 | 19.6 | 12.2 | 58 | .1 | 26.4 | 9.8 | 221 | 3.42 | 14.8 | .4 | 32.9 | 6.2 | 4 | .1 | .1 | .3 | 22 | .03 | .048 | 28 | 16.0 | .21 | 25 | .007 | <.1 | .85 | .001 | .02 | .3 | .01 | 1.2 | <.1 | <.05 | 6 | <.5 |
| IG BL 0+25N | 1.0 | 27.9 | 32.8 | 68 | .4 | 40.0 | 14.3 | 268 | 5.08 | 13.2 | .8 | 10.1 | 7.0 | 17 | .2 | .2 | .5 | 24 | .23 | .049 | 24 | 26.7 | .37 | 40 | .003 | 1 | 1.54 | .005 | .04 | .2 | .03 | 1.5 | <.1 | .06 | 7 | <.5 |
| RE IG BL 0+25N | .9 | 26.4 | 33.2 | 69 | .4 | 38.9 | 14.5 | 268 | 5.05 | 13.4 | .8 | 2.2 | 7.6 | 17 | .3 | .1 | .4 | 23 | .21 | .047 | 27 | 26.7 | .37 | 41 | .003 | <.1 | 1.54 | .004 | .04 | .2 | .03 | 1.6 | <.1 | <.05 | 6 | <.5 |
| IG BL 0+00 | .7 | 18.2 | 11.1 | 48 | .2 | 27.6 | 9.6 | 254 | 3.32 | 16.8 | .5 | 22.2 | 8.2 | 2 | .1 | .1 | .3 | 15 | .03 | .067 | 25 | 12.6 | .18 | 17 | .004 | 2 | .70 | .003 | .04 | .2 | .03 | 1.3 | <.1 | <.05 | 4 | <.5 |
| IG BL 0+25S | .6 | 18.2 | 11.8 | 47 | .2 | 23.8 | 7.9 | 232 | 2.98 | 7.7 | .4 | 3.3 | 5.5 | 7 | .1 | .2 | .3 | 20 | .09 | .044 | 26 | 13.2 | .19 | 45 | .006 | 1 | .94 | .003 | .04 | .2 | .02 | 1.0 | .1 | <.05 | 4 | <.5 |
| IG BL 0+50S | .5 | 11.8 | 12.4 | 32 | .2 | 19.7 | 11.8 | 236 | 3.17 | 8.2 | .7 | 3.8 | 4.5 | 16 | .1 | .1 | .3 | 18 | .27 | .040 | 17 | 12.0 | .10 | 29 | .002 | 1 | 1.13 | .004 | .03 | .2 | .03 | 1.1 | <.1 | <.05 | 4 | <.5 |
| IG BL 0+75S | 1.0 | 32.6 | 12.6 | 62 | .1 | 37.5 | 10.9 | 370 | 3.44 | 10.8 | .6 | 9.4 | 5.0 | 5 | .1 | .2 | .4 | 14 | .04 | .044 | 28 | 14.3 | .21 | 28 | .004 | 1 | .75 | .003 | .03 | .3 | .01 | 1.1 | <.1 | <.05 | 4 | <.5 |
| IG BL 1+00S | 1.0 | 21.7 | 11.2 | 66 | .3 | 30.5 | 9.6 | 285 | 4.13 | 9.9 | .4 | 5.2 | 7.5 | 3 | .1 | .1 | .4 | 17 | .03 | .071 | 31 | 23.3 | .30 | 21 | .005 | <.1 | 1.07 | .002 | .03 | .3 | .03 | 1.2 | <.1 | <.05 | 5 | <.5 |
| IG 0+25S 1+00W | 1.1 | 30.7 | 25.9 | 68 | .2 | 38.0 | 18.8 | 484 | 5.96 | 16.1 | .8 | 22.4 | 6.5 | 17 | .2 | .2 | .5 | 24 | .21 | .077 | 24 | 21.0 | .23 | 59 | .005 | 1 | 1.27 | .003 | .04 | .8 | .03 | 2.1 | <.1 | <.05 | 5 | <.5 |
| IG 0+25S 0+75W | 1.3 | 36.5 | 21.9 | 76 | .2 | 43.5 | 18.4 | 411 | 5.51 | 19.3 | 1.0 | 81.3 | 8.9 | 6 | .1 | .1 | .5 | 18 | .04 | .048 | 33 | 22.8 | .31 | 80 | .004 | <.1 | 1.34 | .002 | .03 | .4 | .02 | 2.0 | <.1 | <.05 | 5 | <.5 |
| IG 0+25S 0+50W | 1.1 | 31.7 | 72.6 | 124 | .1 | 36.5 | 13.7 | 413 | 5.51 | 12.0 | .8 | 29.9 | 7.0 | 4 | .2 | .2 | .6 | 20 | .02 | .071 | 24 | 25.5 | .24 | 30 | .005 | 1 | 1.16 | .003 | .03 | .4 | .03 | 1.5 | <.1 | <.05 | 5 | <.5 |
| IG 0+25S 0+25W | .9 | 21.0 | 17.2 | 57 | .1 | 28.7 | 10.0 | 427 | 3.60 | 10.7 | .6 | 11.1 | 6.2 | 5 | .1 | .1 | .4 | 21 | .04 | .045 | 35 | 10.7 | .09 | 49 | .008 | <.1 | .75 | .003 | .03 | .2 | .01 | 1.1 | <.1 | <.05 | 4 | <.5 |
| IG 0+25S 0+25E | .9 | 26.2 | 16.2 | 72 | .2 | 30.4 | 10.6 | 260 | 6.02 | 15.3 | .6 | 4.9 | 8.8 | 3 | .1 | .1 | .4 | 23 | .02 | .083 | 29 | 32.5 | .36 | 28 | .005 | <.1 | 1.48 | .003 | .04 | .3 | .02 | 1.4 | <.1 | <.05 | 7 | <.5 |
| IG 0+25S 0+50E | 2.2 | 19.1 | 7.6 | 34 | .1 | 23.2 | 6.0 | 176 | 2.53 | 23.4 | .4 | 6.3 | 6.5 | 2 | .1 | .2 | .2 | 15 | .01 | .046 | 31 | 6.7 | .06 | 15 | .007 | <.1 | .52 | .003 | .02 | .9 | .01 | 1.1 | <.1 | <.05 | 4 | <.5 |
| IG 0+25S 0+75E | .8 | 19.9 | 9.0 | 48 | .2 | 24.0 | 8.2 | 356 | 3.38 | 14.5 | .5 | 22.7 | 6.9 | 2 | .1 | .1 | .2 | 15 | .01 | .045 | 35 | 13.4 | .16 | 20 | .007 | <.1 | .73 | .002 | .03 | .5 | <.01 | 1.0 | <.1 | <.05 | 5 | <.5 |
| IG 0+25S 1+00E | 1.0 | 21.7 | 12.5 | 49 | .2 | 26.3 | 8.5 | 209 | 3.87 | 17.0 | .6 | 67.6 | 8.3 | 2 | <.1 | .2 | .3 | 18 | .01 | .059 | 30 | 14.5 | .19 | 20 | .005 | <.1 | .97 | .002 | .02 | .5 | .01 | 1.3 | <.1 | <.05 | 5 | <.5 |
| STANDARD DS4 | 7.0 | 131.3 | 31.1 | 162 | .3 | 35.8 | 11.8 | 817 | 3.21 | 22.8 | 6.6 | 26.8 | 3.6 | 27 | 5.4 | 4.9 | 5.3 | 73 | .52 | .093 | 16 | 163.9 | .60 | 138 | .087 | 2 | 1.74 | .032 | .15 | 4.0 | | | | | | |



| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | 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 | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|-------|------|-------|--------|--------|--------|------|--------|--------|-----|
| G-1 | 1.2 | 2.4 | 2.2 | 37 | <.1 | 3.7 | 4.0 | 509 | 1.78 | <.5 | 2.9 | <.5 | 4.0 | 66 | <.1 | <.1 | .1 | 39 | .55 | .082 | 7 | 24.6 | 52 | 176 | .128 | <.1 | .83 | .062 | .36 | 1.1 | <.01 | 1.4 | .3 | <.05 | 4 | <.5 | |
| HG 0+50S 1+00W | .8 | 19.9 | 15.8 | 51 | .1 | 26.4 | 13.1 | 267 | 3.71 | 10.5 | 7 | 12.4 | 6.3 | 3 | .1 | .2 | .4 | 25 | .03 | .041 | 22 | 9.9 | .13 | 26 | .004 | 2 | .81 | .003 | .02 | .8 | .02 | 1.1 | <.1 | <.05 | 4 | <.5 | |
| HG 0+50S 0+75W | 1.0 | 23.8 | 22.8 | 54 | .4 | 23.2 | 14.4 | 913 | 4.25 | 11.5 | .7 | 37.0 | 4.4 | 10 | .2 | .2 | 2.2 | 31 | .15 | .052 | 17 | 9.6 | .13 | 32 | .003 | 2 | .81 | .002 | .03 | .9 | .02 | 1.6 | .1 | <.05 | 4 | <.5 | |
| HG 0+50S 0+50W | 1.6 | 32.4 | 28.6 | 64 | .2 | 34.3 | 15.3 | 365 | 5.86 | 17.9 | .9 | 7.7 | 9.8 | 7 | .2 | .2 | .6 | 23 | .07 | .049 | 30 | 23.7 | .26 | 58 | .004 | 2 | 1.38 | .003 | .03 | .9 | .03 | 1.6 | .1 | <.05 | 5 | <.5 | |
| HG 0+50S 0+25W | 1.0 | 32.5 | 29.4 | 62 | .2 | 38.5 | 16.4 | 373 | 5.66 | 16.5 | 1.1 | 160 | 2 | 9.1 | 11 | .1 | .2 | .5 | 18 | .12 | .040 | 28 | 22.8 | .32 | 38 | .003 | <.1 | 1.38 | .003 | .03 | .7 | .04 | 1.8 | .1 | <.05 | 4 | <.5 |
| HG 0+50S 0+35E | .7 | 16.1 | 7.2 | 32 | <.1 | 21.1 | 7.4 | 169 | 2.56 | 12.5 | .5 | 50.0 | 8.1 | 2 | <.1 | .2 | .3 | 15 | .02 | .033 | 27 | 7.6 | .08 | 13 | .004 | 1 | .60 | <.001 | .02 | .3 | <.01 | .8 | <.1 | <.05 | 4 | <.5 | |
| HG 0+50S 0+50E | .9 | 11.6 | 8.1 | 29 | .3 | 14.4 | 5.1 | 116 | 2.43 | 13.4 | .4 | 22.0 | 8.5 | 2 | <.1 | .1 | .3 | 22 | .01 | .029 | 29 | 7.9 | .09 | 16 | .006 | <.1 | .65 | .002 | .02 | .5 | .03 | .7 | .1 | <.05 | 4 | <.5 | |
| HG 0+50S 0+75E | 1.0 | 22.0 | 8.7 | 54 | .1 | 24.2 | 8.1 | 304 | 4.28 | 41.3 | .5 | 8.1 | 8.9 | 1 | .1 | .1 | .2 | 16 | .01 | .081 | 23 | 13.8 | .18 | 20 | .003 | 1 | .74 | .003 | .02 | .3 | .02 | 1.7 | .1 | <.05 | 3 | <.5 | |
| HG 0+50S 1+00E | .8 | 20.2 | 48.5 | 74 | .4 | 38.8 | 11.2 | 298 | 5.53 | 34.8 | .5 | 20.2 | 9.2 | 2 | .1 | .2 | .3 | 26 | .02 | .058 | 27 | 46.4 | .36 | 40 | .003 | <.1 | 1.63 | .003 | .03 | .3 | .06 | 1.5 | .1 | <.05 | 6 | <.5 | |
| HG 0+75S 0+75W | 1.0 | 17.2 | 18.6 | 39 | .1 | 25.4 | 10.3 | 410 | 3.72 | 27.5 | .5 | 52.6 | 6.7 | 3 | .1 | .2 | .4 | 24 | .01 | .047 | 27 | 7.7 | .06 | 15 | .006 | <.1 | .58 | .003 | .02 | .5 | .01 | 1.4 | .1 | <.05 | 3 | <.5 | |
| HG 0+75S 0+50W | 1.0 | 21.5 | 13.1 | 43 | .1 | 27.0 | 11.4 | 295 | 4.12 | 20.1 | .6 | 4.5 | 7.9 | 4 | .1 | .1 | .4 | 20 | .06 | .044 | 32 | 16.8 | .13 | 35 | .004 | <.1 | .94 | .002 | .04 | .3 | .03 | 1.0 | <.1 | <.05 | 4 | <.5 | |
| HG 0+75S 0+25W | .9 | 21.6 | 25.5 | 52 | .2 | 28.5 | 15.3 | 334 | 4.17 | 13.8 | .9 | 20.7 | 5.4 | 12 | .2 | .2 | .5 | 21 | .16 | .041 | 23 | 17.9 | .18 | 51 | .005 | <.1 | 1.05 | .004 | .04 | .4 | .02 | 1.3 | <.1 | <.05 | 4 | <.5 | |
| HG 0+75S 0+25E | .7 | 15.8 | 11.7 | 37 | .2 | 18.4 | 7.1 | 204 | 3.25 | 7.1 | .5 | 14.5 | 7.3 | 4 | .1 | .1 | .3 | 19 | .05 | .069 | 25 | 17.8 | .24 | 50 | .005 | <.1 | .98 | .002 | .03 | .3 | .04 | .8 | <.1 | <.05 | 5 | <.5 | |
| HG 0+75S 0+50E-A | .7 | 19.0 | 73.4 | 65 | .3 | 27.0 | 9.0 | 246 | 3.91 | 41.2 | .4 | 11.3 | 9.4 | 2 | .1 | .2 | .4 | 11 | .01 | .055 | 32 | 7.7 | .07 | 13 | .006 | 1 | .52 | .002 | .02 | 2.4 | .02 | 1.4 | <.1 | <.05 | 2 | <.5 | |
| HG 0+75S 0+50E-B | .8 | 18.2 | 70.4 | 68 | .2 | 27.1 | 8.9 | 244 | 3.94 | 44.8 | .5 | 18.8 | 9.2 | 2 | .1 | .2 | .4 | 12 | .01 | .055 | 31 | 8.9 | .07 | 13 | .006 | <.1 | .53 | .002 | .02 | 2.4 | .01 | 1.4 | <.1 | <.05 | 3 | <.5 | |
| HG 0+75S 1+00E | .7 | 29.6 | 23.2 | 60 | .1 | 30.3 | 9.1 | 224 | 4.30 | 34.9 | .5 | 11.8 | 8.6 | 2 | .1 | .2 | .9 | 17 | .02 | .054 | 25 | 14.2 | .13 | 18 | .005 | 1 | .77 | .002 | .02 | .5 | .02 | 1.3 | <.1 | <.05 | 4 | <.5 | |
| RE HG 0+75S 1+00E | .7 | 31.4 | 23.3 | 56 | .1 | 30.4 | 9.5 | 230 | 4.42 | 35.3 | .6 | 13.9 | 9.0 | 2 | .1 | .2 | 1.0 | 17 | .02 | .055 | 25 | 15.0 | .14 | 20 | .005 | <.1 | .80 | .002 | .02 | .7 | <.01 | 1.3 | <.1 | <.05 | 4 | <.5 | |
| HG 1+00S 0+75W | 1.0 | 20.1 | 14.2 | 47 | .2 | 26.4 | 11.8 | 270 | 4.68 | 20.5 | .6 | 8.4 | 5.1 | 4 | .2 | .2 | .4 | 22 | .03 | .055 | 21 | 13.2 | .12 | 28 | .006 | 1 | .78 | .003 | .03 | .7 | .01 | 1.3 | <.1 | <.05 | 3 | <.5 | |
| HG 1+00S 0+50W | 1.2 | 40.8 | 11.1 | 51 | .1 | 34.7 | 18.2 | 683 | 7.04 | 25.6 | 1.0 | 5.9 | 4.9 | 3 | .1 | .1 | .3 | 31 | .04 | .079 | 18 | 7.8 | .23 | 20 | .005 | 2 | .91 | .003 | .02 | .4 | .03 | 2.7 | <.1 | <.05 | 4 | <.5 | |
| HG 1+00S 0+25W | 1.2 | 31.9 | 16.6 | 62 | .1 | 43.9 | 16.6 | 1214 | 5.93 | 74.3 | 1.3 | 30.6 | 8.7 | 5 | .1 | .2 | .3 | 10 | .06 | .075 | 22 | 10.3 | .09 | 27 | .002 | 1 | .73 | .003 | .03 | .5 | .02 | 3.3 | <.1 | <.05 | 2 | <.5 | |
| HG 1+00S 0+25E | .6 | 10.9 | 7.2 | 25 | .1 | 16.5 | 6.2 | 169 | 2.24 | 6.2 | .3 | 19.3 | 6.9 | 4 | .1 | .1 | .2 | 14 | .02 | .023 | 28 | 5.3 | .03 | 9 | .004 | 2 | .44 | .004 | .02 | .3 | .03 | .8 | <.1 | <.05 | 3 | <.5 | |
| HG 1+00S 0+50E | 1.0 | 26.9 | 17.4 | 65 | .3 | 31.6 | 10.9 | 367 | 4.37 | 10.5 | .8 | 12.4 | 10.9 | 3 | <.1 | .1 | .4 | 17 | .02 | .073 | 35 | 24.4 | .29 | 29 | .004 | 1 | 1.11 | .002 | .03 | .3 | .01 | 1.6 | <.1 | <.05 | 5 | <.5 | |
| HG 1+00S 0+75E | .7 | 13.1 | 8.7 | 32 | .3 | 19.5 | 6.4 | 121 | 2.45 | 10.0 | .4 | 54.3 | 9.4 | 2 | .1 | .1 | .4 | 19 | .01 | .040 | 34 | 10.5 | .10 | 14 | .007 | 2 | .71 | .002 | .02 | .5 | .02 | .9 | <.1 | <.05 | 4 | <.5 | |
| HG 1+00S 1+00E | .7 | 19.7 | 11.9 | 45 | .2 | 23.4 | 8.1 | 148 | 3.88 | 14.0 | .4 | 41.6 | 8.6 | 2 | .1 | .1 | .3 | 17 | .01 | .051 | 27 | 17.3 | .15 | 21 | .006 | 1 | .86 | .002 | .02 | .5 | .01 | 1.2 | <.1 | <.05 | 4 | <.5 | |
| M BL 3+00E | .9 | 41.0 | 24.6 | 80 | .3 | 22.6 | 25.0 | 689 | 5.29 | 7.1 | 3.0 | 1.9 | 2.2 | 44 | .3 | .1 | .3 | 39 | .57 | .095 | 18 | 29.1 | .38 | 59 | .011 | 2 | 1.85 | .005 | .03 | .2 | .06 | 2.5 | <.1 | <.05 | 5 | <.5 | |
| M BL 3+50E | 1.0 | 19.3 | 10.3 | 53 | .1 | 18.6 | 11.6 | 463 | 4.60 | 4.6 | .4 | 50.1 | 5.2 | 9 | .2 | .1 | .3 | 39 | .08 | .042 | 23 | 21.2 | .34 | 59 | .007 | 2 | 1.25 | .004 | .03 | .2 | .03 | 1.8 | <.1 | <.05 | 6 | <.5 | |
| M BL 4+25E | .5 | 32.6 | 11.9 | 44 | .3 | 16.2 | 10.5 | 1514 | 1.89 | 1.9 | 5.7 | 1.2 | .6 | 210 | .4 | .1 | .2 | 11 | 3.63 | .090 | 8 | 15.1 | .30 | 104 | .006 | 4 | .63 | .008 | .03 | .1 | .13 | 1.3 | <.1 | 1.0 | 2 | 2.0 | |
| M BL 4+75E | 1.1 | 49.7 | 54.9 | 105 | .4 | 30.3 | 19.3 | 693 | 6.55 | 8.5 | .7 | 2.1 | 8.3 | 8 | .2 | .2 | .6 | 35 | .08 | .081 | 21 | 27.7 | .39 | 59 | .010 | 2 | 1.29 | .004 | .04 | .1 | .06 | 2.9 | <.1 | <.05 | 5 | .5 | |
| M BL 5+25E | 1.1 | 27.5 | 18.3 | 53 | .1 | 29.6 | 16.2 | 1011 | 5.43 | 6.1 | .4 | 1.1 | 2.9 | 14 | .1 | .1 | .4 | 112 | .14 | .065 | 13 | 52.2 | .39 | 35 | .020 | 1 | 1.00 | .003 | .02 | .1 | .03 | 4.9 | <.1 | <.05 | 8 | <.5 | |
| M BL 5+75E | 1.1 | 39.1 | 18.6 | 86 | .1 | 31.5 | 18.4 | 658 | 5.33 | 9.2 | .8 | 1.9 | 7.9 | 4 | .1 | .1 | .5 | 30 | .03 | .105 | 19 | 22.5 | .35 | 45 | .004 | 1 | 1.27 | .003 | .03 | <.1 | .02 | 2.5 | .1 | <.05 | 5 | <.5 | |
| M BL 6+25E | 1.1 | 24.8 | 13.3 | 50 | .1 | 14.1 | 9.6 | 499 | 4.26 | 5.4 | .5 | 1.0 | 5.6 | 6 | .1 | .1 | .4 | 62 | .04 | .099 | 19 | 16.5 | .23 | 21 | .017 | 2 | .87 | .003 | .02 | .1 | .01 | 2.3 | .1 | <.05 | 7 | <.5 | |
| M BL 6+75E | 1.3 | 52.5 | 16.4 | 94 | .1 | 19.0 | 20.9 | 855 | 8.56 | 20.8 | .6 | 76.2 | 6.5 | 5 | .1 | .2 | .4 | 67 | .05 | .177 | 21 | 24.2 | .44 | 39 | .012 | 1 | 1.60 | .003 | .03 | .1 | .04 | 4.0 | <.1 | <.05 | 7 | <.5 | |
| M BL 7+25E | .8 | 54.9 | 17.8 | 79 | .1 | 24.8 | 18.9 | 516 | 5.75 | 6.0 | .5 | 1.2 | 6.8 | 4 | .1 | .2 | .4 | 60 | .03 | .080 | 21 | 24.7 | .50 | 46 | .005 | 1 | 1.61 | .003 | .02 | .1 | .04 | 4.0 | <.1 | <.05 | 6 | <.5 | |
| M BL 7+75E | 1.3 | 64.3 | 21.4 | 114 | .1 | 39.5 | 24.4 | 1155 | 8.11 | 8.9 | .9 | 3.6 | 9.3 | 5 | .1 | .2 | .5 | 32 | .04 | .083 | 22 | 25.3 | .45 | 44 | .003 | 1 | 1.48 | .003 | .02 | .1 | .02 | 4.4 | <.1 | <.05 | 4 | <.5 | |
| M BL 8+25E | .7 | 30.9 | 19.2 | 68 | .1 | 35.3 | 16.7 | 685 | 4.51 | 7.4 | .7 | <.5 | 11.1 | 9 | .1 | .2 | .4 | 20 | .08 | .064 | 35 | 18.1 | .31 | 41 | .007 | 2 | 1.01 | .002 | .04 | .1 | .05 | 3.6 | <.1 | <.05 | 3 | <.5 | |
| STANDARD DS4 | 6.8 | 128.2 | 30.7 | 160 | .3 | 34.9 | 12.5 | 801 | 3.09 | 23.1 | 6.6 | 29.9 | 3.7 | 29 | 5.3 | 4.9 | 5.0 | 79 | .54 | .086 | 16 | 176.7 | .59 | 143 | .097 | 1 | 1.74 | .030 | .14 | 4.2 | .27 | 3.7 | 1.1 | <.05 | 6 | 1.4 | |



| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | 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 | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|
| G-1 | 1.2 | 2.5 | 2.2 | 39 | <.1 | 3.8 | 3.6 | 469 | 1.70 | <.5 | 2.5 | <.5 | 3.9 | 64 | <.1 | <.1 | .1 | 34 | .54 | .075 | 6 | 24.3 | .49 | 178 | .121 | 2 | .80 | .061 | .38 | .8 | .01 | 1.4 | .3 | <.05 | 4 | <.5 |
| M BL 8+75E | .9 | 30.9 | 53.4 | 63 | .1 | 27.2 | 12.4 | 503 | 8.01 | 9.2 | .5 | <.5 | 8.5 | 6 | <.1 | .3 | 1.0 | 21 | .03 | .070 | 20 | 13.9 | .20 | 46 | .005 | 1 | .94 | .002 | .02 | .2 | .01 | 2.9 | <.1 | <.05 | 3 | <.5 |
| M BL 9+25E | .7 | 47.9 | 30.1 | 69 | .1 | 30.1 | 17.0 | 1175 | 6.65 | 7.0 | .6 | 1.1 | 8.5 | 8 | .1 | .2 | .6 | 21 | .08 | .076 | 19 | 15.2 | .28 | 36 | .006 | 1 | 1.10 | .002 | .02 | .3 | .03 | 3.7 | <.1 | <.05 | 3 | <.5 |
| M BL 9+75E | 1.6 | 20.0 | 32.9 | 95 | .1 | 19.5 | 14.6 | 1468 | 9.57 | 11.6 | .5 | 1.0 | 4.7 | 19 | .2 | .2 | .5 | 31 | .19 | .108 | 13 | 16.3 | .17 | 68 | .007 | 1 | 1.08 | .004 | .02 | .2 | .03 | 2.7 | <.1 | <.05 | 4 | <.5 |
| M BL 10+25E | .9 | 26.4 | 19.2 | 58 | .1 | 19.7 | 10.0 | 396 | 5.07 | 6.6 | .6 | 1.8 | 4.9 | 6 | .1 | .4 | .4 | 31 | .03 | .054 | 17 | 14.7 | .19 | 39 | .007 | 1 | .93 | .003 | .02 | .1 | .01 | 2.1 | <.1 | <.05 | 4 | <.5 |
| M 1+50E 3+50N | .8 | 113.5 | 14.9 | 97 | .1 | 30.0 | 29.8 | 859 | 5.66 | 9.7 | 1.0 | 2.7 | 6.3 | 9 | .1 | .2 | .4 | 39 | .06 | .048 | 34 | 11.7 | .31 | 47 | .001 | 1 | 1.23 | .006 | .03 | .2 | .04 | 6.3 | <.1 | <.05 | 3 | .5 |
| M 1+50E 3+25N | .9 | 25.0 | 13.8 | 61 | .1 | 23.8 | 11.4 | 352 | 3.68 | 4.4 | .6 | 37.3 | 6.1 | 15 | <.1 | .1 | .3 | 32 | .22 | .052 | 24 | 20.9 | .41 | 39 | .011 | <.1 | 1.21 | .003 | .04 | .3 | .03 | 1.6 | <.1 | <.05 | 5 | <.5 |
| M 1+50E 3+00N | 1.2 | 57.8 | 26.1 | 90 | .2 | 31.3 | 20.4 | 1108 | 5.34 | 5.7 | 1.4 | 3.0 | 4.1 | 25 | .3 | .2 | .3 | 63 | .45 | .076 | 25 | 27.8 | .74 | 52 | .011 | <.1 | 2.13 | .004 | .03 | .3 | .06 | 6.1 | <.1 | <.05 | 6 | .7 |
| M 1+50E 2+75N | 1.0 | 52.2 | 39.3 | 88 | .1 | 35.8 | 25.1 | 1313 | 6.18 | 9.8 | .7 | 1.7 | 5.3 | 18 | .4 | .3 | .4 | 43 | .23 | .075 | 18 | 27.3 | .56 | 63 | .006 | 1 | 1.66 | .004 | .03 | .1 | .05 | 3.9 | <.1 | <.05 | 5 | <.5 |
| M 1+50E 2+50N | 1.1 | 84.6 | 32.0 | 87 | .2 | 24.6 | 15.5 | 482 | 5.69 | 8.3 | .6 | 7.7 | 3.7 | 14 | .2 | .1 | .4 | 52 | .13 | .058 | 22 | 25.8 | .51 | 56 | .015 | 1 | 1.47 | .003 | .02 | .3 | .05 | 3.1 | <.1 | <.05 | 6 | <.5 |
| M 1+50E 2+25N | 1.0 | 51.8 | 27.8 | 97 | .1 | 40.4 | 26.4 | 1219 | 4.92 | 9.3 | 1.2 | 1.4 | 5.3 | 27 | .2 | .3 | .3 | 39 | .40 | .094 | 25 | 33.8 | .59 | 74 | .005 | 1 | 1.70 | .004 | .05 | .1 | .05 | 4.8 | <.1 | <.05 | 5 | .6 |
| M 1+50E 2+00N | 1.0 | 50.8 | 27.0 | 90 | .2 | 32.8 | 22.7 | 781 | 5.48 | 7.8 | .7 | 4.0 | 3.7 | 20 | .2 | .2 | .3 | 52 | .23 | .107 | 18 | 29.6 | .64 | 51 | .010 | <.1 | 1.55 | .003 | .04 | .1 | .03 | 3.6 | <.1 | <.05 | 6 | <.5 |
| M 1+50E 1+75N | 1.0 | 31.1 | 22.7 | 82 | .1 | 28.0 | 17.1 | 667 | 4.99 | 8.1 | .9 | 2.7 | 3.9 | 7 | .1 | .1 | .4 | 43 | .06 | .059 | 18 | 27.7 | .46 | 36 | .009 | <.1 | 1.56 | .003 | .03 | .2 | .02 | 2.5 | <.1 | <.05 | 6 | <.5 |
| M 1+50E 1+50N | 1.0 | 19.0 | 18.7 | 71 | .1 | 25.0 | 12.2 | 322 | 4.80 | 6.2 | .6 | <.5 | 3.5 | 7 | .2 | .1 | .3 | 45 | .05 | .044 | 20 | 32.9 | .45 | 58 | .014 | 1 | 1.34 | .003 | .03 | .1 | .05 | 2.3 | .1 | <.05 | 6 | <.5 |
| M 1+50E 1+25N | 1.1 | 40.3 | 27.3 | 80 | .3 | 28.6 | 18.9 | 824 | 5.19 | 9.6 | 2.5 | 2.2 | 2.8 | 37 | .2 | .3 | .4 | 38 | .55 | .091 | 20 | 27.4 | .46 | 57 | .010 | <.1 | 1.55 | .004 | .04 | .1 | .03 | 2.5 | .1 | <.05 | 5 | <.5 |
| M 1+50E 1+00N | 1.0 | 50.0 | 15.6 | 86 | .1 | 28.1 | 16.8 | 488 | 5.65 | 11.7 | .7 | 2.7 | 5.8 | 17 | .1 | .2 | .4 | 35 | .20 | .080 | 22 | 19.8 | .49 | 45 | .006 | <.1 | 1.48 | .003 | .03 | .1 | .02 | 2.9 | <.1 | <.05 | 5 | <.5 |
| M 1+50E 0+75N | .9 | 63.2 | 14.4 | 85 | .2 | 22.8 | 17.4 | 631 | 5.08 | 11.4 | .5 | <.5 | 4.7 | 17 | .2 | .1 | .3 | 40 | .20 | .102 | 20 | 15.8 | .43 | 68 | .005 | <.1 | 1.34 | .003 | .03 | .1 | .05 | 2.6 | <.1 | <.05 | 4 | <.5 |
| M 1+50E 0+50N | .8 | 21.8 | 6.1 | 78 | .3 | 16.3 | 8.9 | 2861 | 2.76 | 5.1 | .3 | <.5 | 1.9 | 19 | .6 | .1 | .2 | 34 | .35 | .081 | 17 | 15.9 | .29 | 115 | .007 | 1 | .84 | .003 | .04 | .1 | .07 | 1.2 | .1 | <.05 | 5 | <.5 |
| M 1+50E 0+25N | 1.1 | 40.0 | 7.7 | 92 | .2 | 23.3 | 14.4 | 556 | 5.66 | 9.2 | .5 | 1.7 | 5.1 | 7 | .2 | .1 | .2 | 46 | .07 | .152 | 24 | 26.3 | .55 | 41 | .008 | <.1 | 1.60 | .003 | .03 | .1 | .06 | 2.7 | <.1 | <.05 | 6 | <.5 |
| M 1+75E 3+50N | 1.0 | 44.7 | 20.4 | 77 | .1 | 37.7 | 18.4 | 773 | 3.78 | 6.9 | .9 | 2.5 | 6.6 | 33 | .2 | .2 | .3 | 25 | .56 | .080 | 24 | 25.7 | .55 | 60 | .018 | 1 | 1.10 | .005 | .05 | .1 | .04 | 3.0 | <.1 | <.05 | 4 | <.5 |
| M 2+00E 3+50N | .7 | 101.4 | 25.0 | 90 | .2 | 38.0 | 24.2 | 1168 | 5.19 | 6.7 | 1.0 | 5.7 | 6.5 | 41 | .2 | .2 | .2 | 45 | .47 | .079 | 26 | 25.4 | .79 | 85 | .012 | <.1 | 1.75 | .005 | .04 | .2 | .04 | 6.2 | <.1 | <.05 | 5 | <.5 |
| M 2+25E 3+50N | .8 | 37.2 | 22.3 | 79 | .1 | 37.4 | 19.3 | 843 | 4.05 | 8.8 | .9 | 16.4 | 7.4 | 34 | .2 | .3 | .3 | 27 | .66 | .082 | 27 | 22.7 | .46 | 55 | .023 | 1 | 1.13 | .004 | .04 | .4 | .04 | 4.2 | <.1 | <.05 | 3 | <.5 |
| RE M 2+25E 3+50N | .7 | 40.3 | 22.9 | 82 | .1 | 38.4 | 19.6 | 886 | 4.17 | 9.2 | .9 | 2.5 | 7.9 | 35 | .2 | .3 | .3 | 27 | .69 | .080 | 30 | 23.1 | .47 | 58 | .025 | 1 | 1.17 | .005 | .04 | .3 | .07 | 4.3 | <.1 | <.05 | 3 | <.5 |
| M 2+50E 3+75N | .5 | 25.3 | 29.6 | 62 | .1 | 34.9 | 15.5 | 1771 | 4.87 | 11.4 | .9 | .8 | 5.5 | 90 | .1 | .1 | .4 | 16 | 1.33 | .082 | 50 | 17.7 | .37 | 58 | .006 | 1 | 1.29 | .002 | .03 | .3 | .09 | 4.1 | <.1 | <.05 | 4 | <.5 |
| M 2+50E 3+50N | .5 | 24.1 | 35.8 | 61 | .1 | 31.9 | 15.9 | 763 | 5.32 | 7.8 | .9 | .5 | 7.3 | 24 | .2 | .1 | .4 | 19 | .26 | .059 | 29 | 20.0 | .32 | 43 | .004 | <.1 | 1.33 | .003 | .02 | .4 | .02 | 3.1 | <.1 | <.05 | 5 | <.5 |
| M 2+50E 3+25N | .6 | 6.9 | 13.1 | 23 | .1 | 8.2 | 3.9 | 91 | 2.50 | 2.7 | .3 | .6 | 4.8 | 4 | <.1 | <.1 | .3 | 29 | .02 | .031 | 25 | 15.7 | .14 | 35 | .008 | <.1 | .86 | .002 | .02 | .7 | .03 | 1.1 | <.1 | <.05 | 5 | <.5 |
| M 2+50E 3+00N | 1.1 | 42.1 | 24.0 | 111 | .1 | 36.4 | 18.1 | 457 | 6.18 | 8.7 | .8 | 136.1 | 7.0 | 7 | .2 | .2 | .5 | 31 | .07 | .073 | 23 | 29.2 | .49 | 80 | .007 | <.1 | 1.56 | .003 | .03 | 1.5 | .04 | 2.5 | <.1 | <.05 | 5 | <.5 |
| M 2+50E 2+75N | .8 | 36.6 | 13.6 | 59 | .2 | 20.8 | 12.6 | 1014 | 2.64 | 5.9 | .6 | 31.8 | 1.8 | 38 | .3 | .1 | .2 | 25 | .62 | .065 | 22 | 14.6 | .27 | 75 | .013 | <.1 | .56 | .003 | .03 | .2 | .03 | 1.5 | <.1 | <.05 | 3 | <.5 |
| M 2+50E 2+50N | .8 | 70.3 | 26.5 | 102 | .1 | 40.0 | 24.0 | 1276 | 4.93 | 6.9 | 1.8 | 4.5 | 7.6 | 39 | .2 | .2 | .3 | 40 | .56 | .114 | 38 | 28.1 | .88 | 55 | .008 | 1 | 1.82 | .003 | .03 | .1 | .03 | 4.6 | <.1 | <.05 | 6 | <.5 |
| M 2+50E 2+25N | .8 | 57.0 | 17.8 | 72 | .2 | 30.3 | 16.6 | 853 | 3.99 | 6.1 | 1.5 | 2.6 | 3.0 | 43 | .1 | .2 | .3 | 31 | .76 | .112 | 24 | 23.1 | .53 | 48 | .008 | 1 | 1.20 | .004 | .04 | .1 | .03 | 2.3 | <.1 | <.05 | 5 | .5 |
| M 2+50E 2+00N | .7 | 75.9 | 21.4 | 88 | .1 | 32.8 | 21.1 | 1004 | 5.13 | 5.5 | .7 | 3.1 | 5.4 | 26 | .2 | .1 | .4 | 40 | .37 | .130 | 30 | 24.9 | .81 | 42 | .005 | <.1 | 1.80 | .003 | .03 | .2 | .03 | 3.2 | <.1 | <.05 | 6 | <.5 |
| M 2+50E 1+75N | .7 | 52.8 | 18.0 | 77 | .2 | 31.8 | 15.5 | 1092 | 4.14 | 6.2 | .7 | 4.6 | 3.4 | 9 | .3 | .1 | .3 | 32 | .07 | .083 | 30 | 29.4 | .58 | 48 | .008 | <.1 | 1.64 | .003 | .04 | .2 | .06 | 2.8 | <.1 | <.05 | 5 | <.5 |
| M 2+50E 1+50N | .7 | 62.7 | 26.0 | 99 | .1 | 42.3 | 23.8 | 739 | 5.47 | 8.0 | .6 | 4.8 | 7.7 | 14 | .2 | .2 | .3 | 39 | .20 | .181 | 25 | 29.2 | .78 | 36 | .008 | 1 | 1.87 | .003 | .03 | .5 | .06 | 3.6 | <.1 | <.05 | 6 | <.5 |
| M 2+50E 1+25N | .7 | 15.8 | 9.6 | 45 | .1 | 14.3 | 6.8 | 199 | 4.23 | 6.3 | .2 | 1.7 | 2.6 | 10 | .1 | .1 | .3 | 40 | .06 | .048 | 19 | 20.1 | .31 | 28 | .012 | <.1 | 1.00 | .002 | .03 | .1 | .04 | 1.3 | <.1 | <.05 | 8 | <.5 |
| M 2+50E 1+00N | 1.0 | 22.4 | 12.4 | 63 | .1 | 16.5 | 9.3 | 327 | 3.24 | 5.7 | .7 | 1.3 | 1.6 | 69 | .1 | .1 | .3 | 37 | .84 | .036 | 15 | 19.2 | .32 | 31 | .008 | 1 | .76 | .003 | .03 | .1 | .03 | 1.5 | <.1 | <.05 | 4 | .8 |
| STANDARD DS4 | 7.1 | 129.0 | 31.5 | 161 | .3 | 37.1 | 12.5 | 841 | 3.20 | 23.5 | 6.7 | 27.8 | 3.6 | 29 | 5.6 | 5.0 | 5.3 | 78 | .54 | .089 | 17 | 175.5 | | | | | | | | | | | | | | |



| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
|------------------|-----|-------|------|-----|-----|------|------|------|------|------|-----|------|------|-----|-----|-----|-----|-----|------|------|-----|-------|-----|-----|------|-----|------|------|-----|-----|------|-----|-----|------|-----|-----|
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| G-1 | 1.3 | 2.4 | 2.2 | 40 | <.1 | 3.9 | 3.9 | 503 | 1.86 | <.5 | 2.5 | <.5 | 4.3 | 71 | <.1 | <.1 | .1 | 39 | .55 | .079 | 7 | 28.6 | .51 | 186 | .117 | 1 | .88 | .058 | .39 | .7 | <.01 | 2.0 | .3 | <.05 | 4 | <.5 |
| M 2+50E 0+75N | 1.2 | 32.6 | 47.5 | 99 | .3 | 28.3 | 31.1 | 1442 | 7.72 | 7.6 | 4.2 | .5 | 2.1 | 29 | .3 | .2 | .5 | 42 | .29 | .071 | 20 | 28.1 | .31 | 47 | .014 | 1 | 1.96 | .005 | .02 | .1 | .05 | 2.5 | .1 | .06 | 5 | 1.3 |
| M 2+50E 0+50N | 1.1 | 52.2 | 23.7 | 77 | .3 | 30.7 | 24.2 | 2331 | 5.07 | 9.1 | 1.6 | 1.0 | 2.7 | 50 | .4 | .1 | .3 | 39 | .84 | .088 | 20 | 22.5 | .57 | 85 | .008 | 1 | 1.74 | .005 | .05 | .1 | .07 | 3.4 | .1 | <.05 | 5 | 1.0 |
| M 2+50E 0+25N | 1.2 | 40.0 | 28.1 | 66 | .1 | 23.3 | 19.9 | 499 | 7.15 | 9.9 | 2.0 | 1.0 | 3.5 | 16 | .2 | .2 | .4 | 46 | .12 | .064 | 19 | 23.0 | .44 | 49 | .005 | 2 | 2.07 | .004 | .03 | .1 | .05 | 2.8 | .1 | <.05 | 5 | <.5 |
| M 3+50E 3+25N | 1.0 | 28.2 | 49.6 | 58 | .2 | 22.5 | 12.6 | 751 | 3.78 | 6.8 | .7 | 2.0 | 4.7 | 9 | .1 | .2 | .4 | 23 | .07 | .043 | 22 | 14.9 | .27 | 51 | .005 | 1 | .91 | .004 | .03 | .8 | .03 | 1.9 | <.1 | <.05 | 4 | <.5 |
| M 3+50E 3+00N | .7 | 43.7 | 31.9 | 73 | .2 | 41.3 | 19.5 | 1013 | 4.11 | 7.0 | 1.2 | 11.5 | 6.8 | 28 | .2 | .2 | .4 | 29 | .31 | .050 | 26 | 25.1 | .57 | 76 | .006 | 1 | 1.53 | .005 | .04 | .4 | .05 | 3.4 | <.1 | <.05 | 4 | <.5 |
| M 3+50E 2+75N | 1.8 | 59.1 | 53.8 | 107 | <.1 | 49.0 | 28.2 | 2248 | 6.65 | 15.6 | 1.5 | 3.3 | 7.6 | 35 | .3 | .3 | .5 | 36 | .43 | .091 | 32 | 21.3 | .62 | 87 | .010 | 1 | 1.32 | .005 | .05 | .6 | .05 | 5.1 | <.1 | <.05 | 4 | <.5 |
| M 3+50E 2+50N | 1.1 | 33.3 | 60.6 | 101 | .2 | 28.2 | 17.0 | 656 | 6.76 | 11.8 | 1.0 | 1.8 | 2.7 | 21 | .1 | .1 | .6 | 39 | .17 | .067 | 22 | 19.6 | .32 | 28 | .007 | 1 | 1.03 | .005 | .04 | .6 | .03 | 1.9 | <.1 | .08 | 5 | <.5 |
| M 3+50E 2+25N | 1.2 | 38.8 | 18.4 | 64 | .1 | 21.3 | 12.1 | 701 | 3.55 | 7.4 | .7 | <.5 | 1.9 | 22 | .4 | .3 | .3 | 35 | .20 | .060 | 23 | 12.6 | .20 | 40 | .007 | 1 | .51 | .005 | .03 | .3 | .04 | 1.2 | <.1 | .07 | 4 | <.5 |
| M 3+50E 2+00N | 1.1 | 31.7 | 30.7 | 102 | .2 | 27.9 | 19.2 | 1457 | 5.47 | 7.4 | 2.1 | 2.0 | 2.7 | 49 | .2 | .2 | 1.3 | 34 | .53 | .086 | 25 | 27.5 | .46 | 53 | .008 | 1 | 1.43 | .005 | .04 | .3 | .04 | 2.1 | <.1 | <.05 | 5 | 1.0 |
| M 3+50E 1+75N | .5 | 32.7 | 21.7 | 64 | .3 | 27.5 | 15.4 | 806 | 3.73 | 4.7 | 1.2 | 1.7 | 2.0 | 103 | .4 | .1 | .4 | 25 | 1.47 | .088 | 22 | 20.1 | .31 | 64 | .007 | 1 | 1.20 | .006 | .04 | .2 | .08 | 2.1 | <.1 | .10 | 3 | .5 |
| M 3+50E 1+50N | 1.1 | 31.1 | 12.9 | 73 | .1 | 21.1 | 12.4 | 278 | 4.64 | 6.2 | .4 | .6 | 6.6 | 9 | .1 | .2 | .3 | 35 | .11 | .047 | 33 | 19.9 | .43 | 27 | .008 | <.1 | 1.14 | .003 | .03 | .1 | .01 | 1.8 | <.1 | <.05 | 5 | <.5 |
| M 3+50E 1+25N | 1.0 | 26.8 | 20.8 | 101 | .3 | 26.5 | 19.6 | 1046 | 4.73 | 6.5 | 1.4 | .7 | 5.7 | 17 | .3 | .1 | .3 | 39 | .20 | .068 | 32 | 27.6 | .46 | 80 | .013 | <.1 | 1.51 | .004 | .06 | .2 | .04 | 2.6 | .1 | <.05 | 6 | <.5 |
| M 3+50E 1+00N | 1.0 | 59.2 | 23.1 | 125 | .4 | 36.8 | 22.1 | 3898 | 4.18 | 6.5 | 3.2 | 2.4 | 1.9 | 67 | .7 | .2 | .3 | 32 | 1.05 | .174 | 23 | 28.1 | .49 | 140 | .010 | 1 | 1.65 | .006 | .06 | .1 | .15 | 2.5 | .1 | .06 | 4 | .7 |
| M 3+50E 0+75N | 1.5 | 32.3 | 27.0 | 141 | .1 | 25.3 | 20.1 | 2118 | 6.05 | 5.7 | .8 | 7.5 | 2.6 | 37 | .1 | .2 | .6 | 48 | .46 | .066 | 20 | 19.6 | .28 | 170 | .012 | <.1 | .92 | .004 | .04 | .1 | .07 | 2.4 | <.1 | <.05 | 5 | <.5 |
| M 3+50E 0+50N | 1.1 | 61.5 | 30.3 | 84 | .1 | 21.5 | 19.0 | 1905 | 5.37 | 7.4 | 4.0 | .6 | 3.1 | 32 | .2 | .1 | .5 | 32 | .41 | .101 | 26 | 26.3 | .31 | 68 | .007 | <.1 | 1.79 | .004 | .05 | .1 | .10 | 2.3 | .1 | <.05 | 5 | <.5 |
| M 3+50E 0+25N | 1.0 | 28.7 | 24.0 | 47 | .1 | 20.0 | 9.3 | 385 | 4.81 | 5.3 | .6 | 1.0 | 1.9 | 11 | .3 | .1 | .4 | 32 | .11 | .053 | 29 | 17.1 | .24 | 35 | .007 | 1 | .85 | .003 | .03 | .1 | .08 | 1.0 | <.1 | <.05 | 5 | <.5 |
| M 4+25E 2+85N | 1.0 | 26.0 | 31.2 | 79 | <.1 | 31.5 | 18.3 | 503 | 6.69 | 8.6 | .6 | 3.6 | 7.9 | 6 | .1 | .1 | .4 | 53 | .04 | .035 | 27 | 30.7 | .57 | 33 | .008 | <.1 | 1.59 | .004 | .02 | 1.3 | .02 | 3.2 | <.1 | <.05 | 6 | <.5 |
| M 4+35E 2+75N | .7 | 38.7 | 15.9 | 116 | <.1 | 42.3 | 29.2 | 1108 | 6.74 | 2.9 | .6 | 5.1 | 13.1 | 6 | .1 | .1 | .2 | 24 | .04 | .038 | 45 | 23.3 | .64 | 32 | .003 | <.1 | 1.73 | .003 | .04 | .2 | .03 | 3.0 | <.1 | <.05 | 6 | <.5 |
| M 4+35E 2+50N | 1.0 | 45.9 | 35.1 | 84 | .1 | 40.0 | 23.3 | 1044 | 5.50 | 10.3 | 3.3 | 2.4 | 5.5 | 24 | .3 | .2 | .4 | 34 | .22 | .063 | 33 | 29.8 | .48 | 110 | .008 | <.1 | 1.73 | .005 | .05 | .3 | .05 | 4.1 | <.1 | <.05 | 4 | .9 |
| M 4+35E 2+25N | .8 | 52.7 | 29.1 | 93 | .1 | 50.9 | 24.2 | 1189 | 4.91 | 9.7 | 1.2 | 2.8 | 10.2 | 26 | .3 | .2 | .4 | 33 | .29 | .057 | 41 | 29.3 | .64 | 120 | .014 | 1 | 1.60 | .005 | .09 | .3 | .04 | 5.2 | .1 | <.05 | 4 | <.5 |
| M 4+35E 2+00N | .7 | 19.6 | 26.2 | 138 | .1 | 33.9 | 18.4 | 525 | 4.90 | 8.3 | .8 | 1.0 | 6.5 | 24 | .2 | .2 | .4 | 39 | .32 | .049 | 27 | 31.5 | .49 | 86 | .006 | 2 | 1.84 | .004 | .05 | .3 | .09 | 2.7 | .1 | <.05 | 6 | <.5 |
| RE M 4+35E 2+00N | .9 | 20.5 | 26.2 | 136 | .1 | 31.7 | 17.8 | 500 | 4.83 | 8.3 | .9 | 3.0 | 6.3 | 24 | .2 | .2 | .3 | 37 | .32 | .048 | 27 | 31.4 | .48 | 83 | .007 | 1 | 1.82 | .005 | .05 | .2 | .07 | 2.7 | .1 | <.05 | 6 | <.5 |
| M 4+35E 1+75N | .8 | 53.9 | 30.5 | 103 | .2 | 40.9 | 25.7 | 2415 | 5.00 | 9.2 | 1.7 | 13.9 | 3.3 | 69 | .5 | .2 | .4 | 33 | .89 | .107 | 28 | 27.8 | .54 | 152 | .008 | 1 | 1.42 | .005 | .06 | .1 | .05 | 3.8 | .1 | <.05 | 4 | 1.1 |
| M 4+35E 1+50N | .8 | 40.8 | 77.6 | 114 | .2 | 43.0 | 26.7 | 1355 | 5.87 | 16.3 | 2.4 | 4.9 | 8.6 | 85 | .5 | .2 | .5 | 21 | 1.06 | .086 | 37 | 20.6 | .29 | 91 | .005 | 1 | 1.34 | .005 | .04 | .4 | .07 | 5.1 | <.1 | <.05 | 3 | <.5 |
| M 4+35E 1+25N | 1.1 | 54.6 | 26.4 | 86 | .1 | 34.9 | 23.4 | 2145 | 4.70 | 5.5 | 4.2 | 1.5 | 2.7 | 29 | .2 | .2 | .4 | 35 | .25 | .137 | 28 | 30.3 | .52 | 129 | .009 | 1 | 1.75 | .005 | .04 | .2 | .07 | 3.5 | .1 | <.05 | 5 | 1.7 |
| M 4+35E 1+00N | .8 | 32.5 | 21.4 | 85 | .3 | 29.3 | 20.3 | 1463 | 4.19 | 4.7 | 2.4 | .6 | 2.6 | 65 | .4 | .1 | .4 | 34 | .76 | .078 | 24 | 28.1 | .50 | 103 | .013 | 1 | 1.61 | .005 | .05 | .1 | .07 | 2.8 | .1 | <.05 | 5 | <.5 |
| M 4+35E 0+75N | .7 | 45.9 | 22.4 | 106 | .3 | 31.1 | 19.5 | 1633 | 4.21 | 5.4 | 2.1 | 1.4 | 2.5 | 73 | .2 | .1 | .4 | 28 | 1.00 | .143 | 24 | 25.6 | .54 | 118 | .008 | 1 | 1.42 | .005 | .05 | .1 | .09 | 2.7 | <.1 | <.05 | 4 | .7 |
| M 4+35E 0+50N | 1.0 | 44.3 | 19.4 | 63 | .2 | 22.1 | 14.4 | 1879 | 3.06 | 4.9 | 3.3 | .9 | 1.4 | 125 | .3 | .1 | .3 | 21 | 2.04 | .136 | 13 | 19.3 | .48 | 151 | .005 | 2 | 1.10 | .006 | .04 | .1 | .11 | 1.6 | <.1 | .11 | 3 | 2.1 |
| M 4+50E 3+45N | .8 | 14.1 | 16.4 | 52 | .1 | 15.8 | 7.3 | 345 | 2.98 | 6.7 | .4 | 3.6 | 5.9 | 11 | .2 | .1 | .3 | 25 | .14 | .078 | 27 | 15.3 | .23 | 54 | .009 | 1 | .84 | .003 | .04 | 1.1 | .01 | 1.2 | <.1 | <.05 | 4 | <.5 |
| M 4+50E 3+25N | 1.0 | 41.7 | 22.5 | 84 | <.1 | 35.9 | 19.0 | 982 | 4.16 | 6.3 | 1.1 | 1.6 | 9.1 | 20 | .2 | .2 | .3 | 25 | .39 | .086 | 29 | 18.1 | .56 | 42 | .007 | 1 | .99 | .002 | .03 | .4 | .01 | 3.0 | <.1 | <.05 | 3 | <.5 |
| M 5+50E 2+40N | 1.0 | 50.2 | 28.6 | 95 | .1 | 45.1 | 21.3 | 905 | 4.30 | 8.7 | 1.2 | 1.9 | 10.5 | 25 | .2 | .3 | .4 | 20 | .45 | .065 | 27 | 21.0 | .56 | 74 | .013 | 1 | 1.01 | .005 | .07 | 1.2 | .01 | 2.9 | <.1 | <.05 | 3 | <.5 |
| M 5+50E 2+25N | .8 | 49.0 | 29.2 | 83 | .2 | 46.2 | 20.7 | 739 | 4.42 | 9.5 | 1.2 | 1.3 | 10.7 | 130 | .2 | .4 | .5 | 14 | 2.87 | .066 | 28 | 15.5 | .44 | 57 | .006 | 1 | .82 | .004 | .05 | .6 | .01 | 3.1 | <.1 | <.05 | 2 | <.5 |
| M 5+50E 2+00N | .6 | 33.5 | 34.5 | 67 | .2 | 40.9 | 19.5 | 694 | 4.32 | 9.7 | 1.4 | 1.5 | 8.0 | 140 | .2 | .5 | .4 | 15 | 2.78 | .102 | 32 | 15.8 | .33 | 49 | .009 | 1 | .87 | .005 | .05 | .2 | .05 | 4.1 | <.1 | <.05 | 2 | <.5 |
| M 5+50E 1+75N | .9 | 47.9 | 31.3 | 79 | .1 | 42.0 | 21.8 | 1032 | 4.70 | 7.5 | 1.2 | 4.7 | 8.2 | 35 | .2 | .3 | .4 | 23 | .46 | .067 | 32 | 20.9 | .44 | 61 | .008 | 1 | 1.21 | .005 | .04 | .5 | .05 | 4.1 | <.1 | <.05 | 3 | <.5 |
| STANDARD DS4 | 6.9 | 125.8 | 30.6 | 159 | .3 | 35.4 | 12.2 | 810 | 3.20 | 22.2 | 6.6 | 28.4 | 4.0 | 29 | 5.5 | 4.9 | 5.0 | 78 | .55 | .088 | 17 | 170.0 | .60 | 147 | .098 | 2 | 1.84 | .030 | .17 | 3.6 | .28 | 3.9 | 1.1 | <.05 | 6 | 1.5 |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
|------------------|-----|-------|------|-----|-----|------|------|-------|-------|------|-----|-------|------|-----|-----|-----|------|-----|-------|------|-----|-------|-----|-----|-------|-----|------|------|-----|-----|------|-----|-----|------|-----|-----|
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | |
| G-1 | 1.3 | 2.6 | 2.3 | 40 | <.1 | 4.2 | 3.6 | 505 | 1.77 | <.5 | 2.6 | .7 | 4.4 | 67 | <.1 | <.1 | .1 | 40 | .55 | .080 | 7 | 26.0 | .54 | 185 | .131 | 1 | .84 | .060 | .35 | .9 | <.01 | 1.7 | .3 | <.05 | 4 | <.5 |
| M 5+50E 1+50N | .8 | 40.5 | 31.1 | 76 | .2 | 33.7 | 17.4 | 747 | 4.54 | 6.3 | .9 | 2.8 | 7.6 | 16 | .2 | .3 | .4 | 25 | .19 | .069 | 25 | 16.8 | .29 | 43 | .006 | 1 | 1.00 | .004 | .02 | .2 | .05 | 2.9 | <.1 | <.05 | 3 | <.5 |
| M 5+50E 1+25N | 1.3 | 42.1 | 44.5 | 79 | .1 | 28.6 | 16.8 | 457 | 6.80 | 8.4 | 1.0 | 1.4 | 8.8 | 6 | .2 | .3 | .5 | 26 | .05 | .060 | 16 | 23.5 | .33 | 36 | .006 | 2 | 1.44 | .005 | .02 | .1 | .05 | 2.0 | <.1 | <.05 | 3 | <.5 |
| M 5+50E 1+00N | 1.1 | 34.3 | 15.2 | 76 | .1 | 25.4 | 13.3 | 282 | 5.21 | 6.0 | .7 | .6 | 8.3 | 5 | .1 | .3 | .4 | 26 | .03 | .060 | 22 | 16.6 | .28 | 26 | .005 | <.1 | .90 | .003 | .02 | .2 | .01 | 1.5 | <.1 | <.05 | 4 | <.5 |
| M 5+50E 0+75N | .9 | 14.7 | 11.8 | 39 | .1 | 14.3 | 7.5 | 228 | 3.60 | 3.7 | .4 | .7 | 6.1 | 3 | <.1 | .2 | .3 | 33 | .02 | .058 | 22 | 12.6 | .17 | 21 | .005 | <.1 | .69 | .003 | .02 | .1 | .01 | 1.0 | .1 | <.05 | 5 | <.5 |
| M 5+50E 0+50N | .7 | 13.8 | 8.7 | 31 | .1 | 12.6 | 6.2 | 192 | 2.51 | 2.6 | .3 | 13.0 | 5.5 | 2 | <.1 | .1 | .2 | 25 | .03 | .064 | 18 | 10.7 | .17 | 17 | .002 | <.1 | .74 | .001 | .02 | <.1 | .01 | 1.0 | <.1 | <.05 | 5 | <.5 |
| M 5+50E 0+25N | 1.0 | 23.5 | 11.9 | 58 | .1 | 17.6 | 10.4 | 335 | 3.95 | 4.0 | .6 | <.5 | 6.4 | 3 | <.1 | .2 | .3 | 32 | .02 | .068 | 20 | 13.8 | .26 | 31 | .002 | <.1 | 1.07 | .003 | .02 | .1 | .01 | 1.6 | .1 | .08 | 6 | <.5 |
| M 6+50E 2+75N | .9 | 50.6 | 23.6 | 87 | .1 | 40.3 | 18.5 | 595 | 4.01 | 8.1 | 1.4 | 2.4 | 9.4 | 26 | .2 | .3 | .3 | 16 | .52 | .066 | 22 | 16.1 | .45 | 51 | .008 | <.1 | .73 | .002 | .02 | .8 | <.01 | 2.3 | <.1 | <.05 | 2 | <.5 |
| M 6+50E 2+50N | .6 | 29.3 | 30.1 | 78 | .1 | 39.5 | 18.7 | 468 | 3.79 | 26.7 | 1.2 | 9.6 | 10.0 | 204 | .1 | 1.1 | .3 | 2 | 3.72 | .103 | 18 | 4.1 | .07 | 57 | <.001 | <.1 | .35 | .005 | .05 | .1 | .04 | 4.0 | .1 | 1.15 | 1 | <.5 |
| M 6+50E 2+25N | .3 | 15.2 | 33.5 | 35 | .2 | 29.7 | 14.1 | 470 | 3.15 | 33.7 | 1.1 | 11.4 | 2.9 | 688 | .1 | 3.3 | .3 | 5 | 16.43 | .105 | 9 | 5.9 | .15 | 41 | .002 | 1 | .30 | .004 | .03 | .3 | .07 | 1.9 | .1 | .06 | 1 | .6 |
| M 6+50E 2+00N | 1.0 | 17.9 | 11.3 | 41 | <.1 | 17.2 | 9.5 | 193 | 3.29 | 6.0 | .6 | 7.7 | 5.6 | 19 | .1 | .2 | .3 | 32 | .24 | .020 | 20 | 13.8 | .22 | 24 | .008 | <.1 | .75 | .003 | .01 | .3 | .01 | 1.5 | <.1 | <.05 | 5 | <.5 |
| M 6+50E 1+75N | 1.1 | 27.7 | 12.8 | 57 | <.1 | 21.8 | 11.3 | 348 | 4.33 | 9.4 | .6 | 2.1 | 6.2 | 6 | .1 | .2 | .3 | 38 | .05 | .040 | 22 | 17.5 | .21 | 19 | .022 | <.1 | .66 | .003 | .02 | .3 | .01 | 1.7 | <.1 | <.05 | 6 | <.5 |
| M 6+50E 1+50N | 1.1 | 40.6 | 17.0 | 67 | .1 | 27.2 | 12.2 | 358 | 5.07 | 7.8 | .9 | 1.4 | 7.7 | 4 | .1 | .3 | .4 | 31 | .03 | .120 | 23 | 18.2 | .28 | 19 | .008 | <.1 | .81 | .004 | .02 | .4 | .01 | 1.8 | <.1 | <.05 | 6 | <.5 |
| M 6+50E 1+25N | .9 | 23.6 | 15.4 | 80 | .2 | 23.6 | 12.1 | 498 | 4.71 | 5.7 | .7 | 1.0 | 7.4 | 5 | .2 | .2 | .4 | 29 | .04 | .081 | 25 | 23.1 | .30 | 39 | .011 | <.1 | 1.15 | .003 | .03 | .4 | .03 | 1.6 | .1 | <.05 | 5 | <.5 |
| M 6+50E 1+00N | .9 | 49.3 | 26.7 | 93 | .1 | 41.7 | 19.8 | 730 | 5.17 | 12.7 | .8 | 4.1 | 6.7 | 15 | .1 | .2 | .4 | 25 | .16 | .052 | 23 | 23.1 | .47 | 44 | .004 | <.1 | 1.22 | .004 | .03 | .3 | .03 | 2.8 | <.1 | <.05 | 4 | <.5 |
| M 6+50E 0+75N | .6 | 34.8 | 31.2 | 98 | .1 | 33.2 | 16.3 | 646 | 4.62 | 8.9 | .7 | 4.7 | 9.7 | 11 | .1 | .2 | .4 | 28 | .11 | .068 | 33 | 19.2 | .42 | 72 | .005 | 1 | 1.27 | .003 | .03 | .2 | .03 | 3.3 | <.1 | <.05 | 4 | <.5 |
| M 6+50E 0+50N | 1.0 | 30.5 | 14.2 | 82 | .1 | 25.9 | 14.5 | 408 | 5.33 | 7.7 | .7 | 1.1 | 8.2 | 4 | .1 | .2 | .3 | 31 | .02 | .070 | 30 | 22.7 | .37 | 38 | .006 | <.1 | 1.25 | .003 | .03 | .4 | .02 | 2.1 | <.1 | <.05 | 5 | <.5 |
| M 6+50E 0+25N | 1.2 | 32.0 | 15.2 | 74 | .1 | 25.2 | 13.3 | 331 | 5.62 | 5.5 | .8 | 1.9 | 9.1 | 4 | .1 | .2 | .3 | 23 | .02 | .098 | 28 | 19.8 | .31 | 19 | .007 | <.1 | 1.00 | .002 | .02 | .1 | .02 | 1.5 | <.1 | <.05 | 4 | <.5 |
| RE M 6+50E 0+25N | 1.3 | 33.7 | 15.0 | 81 | .1 | 25.7 | 13.4 | 342 | 5.75 | 5.9 | .8 | .6 | 8.9 | 4 | .1 | .2 | .4 | 24 | .02 | .101 | 27 | 20.3 | .31 | 18 | .007 | <.1 | 1.01 | .002 | .02 | .2 | .02 | 1.6 | <.1 | <.05 | .4 | <.5 |
| M 7+50E 2+50N | 1.0 | 238.7 | 46.4 | 48 | 1.0 | 39.2 | 26.6 | 8929 | 24.58 | 27.5 | 1.8 | 68.6 | 7.9 | 55 | .4 | .7 | 7.9 | 10 | .52 | .094 | 24 | 7.5 | .13 | 38 | .003 | 1 | .56 | .003 | .01 | .7 | .08 | 4.5 | <.1 | <.05 | 2 | 1.3 |
| M 7+50E 2+25N | 3.9 | 860.2 | 44.4 | 75 | 1.8 | 75.1 | 40.7 | >9999 | 31.60 | 75.3 | 3.6 | 926.5 | 10.5 | 106 | 1.1 | 1.4 | 14.7 | 8 | 1.68 | .070 | 32 | 8.7 | .36 | 104 | .002 | <.1 | .77 | .003 | .02 | .3 | .05 | 5.1 | .1 | .52 | 2 | 1.2 |
| M 7+50E 2+00N | .8 | 34.5 | 17.8 | 59 | .1 | 23.4 | 11.9 | 591 | 3.33 | 6.1 | .8 | 1.5 | 5.0 | 11 | <.1 | .1 | .3 | 32 | .08 | .054 | 33 | 21.9 | .36 | 61 | .006 | <.1 | 1.22 | .004 | .03 | .4 | .04 | 2.5 | <.1 | <.05 | 5 | <.5 |
| M 7+50E 1+75N | .8 | 53.0 | 18.3 | 89 | <.1 | 33.6 | 19.4 | 762 | 4.38 | 6.6 | .8 | 3.6 | 5.5 | 14 | .1 | .1 | .3 | 35 | .15 | .094 | 28 | 23.3 | .57 | 61 | .005 | <.1 | 1.43 | .004 | .03 | .1 | .03 | 2.9 | <.1 | <.05 | 4 | <.5 |
| M 7+50E 1+50N | .7 | 33.8 | 13.5 | 104 | .1 | 24.3 | 16.0 | 964 | 5.62 | 5.6 | .6 | <.5 | 6.2 | 22 | .2 | .1 | .3 | 33 | .15 | .088 | 21 | 20.8 | .37 | 126 | .005 | 1 | 1.40 | .004 | .03 | .2 | .04 | 2.6 | <.1 | <.05 | 4 | <.5 |
| M 7+50E 1+25N | .7 | 55.9 | 8.5 | 72 | .1 | 19.0 | 17.6 | 461 | 6.32 | 7.5 | .5 | 1.4 | 4.7 | 11 | .1 | .1 | .3 | 39 | .11 | .076 | 22 | 13.2 | .34 | 54 | .007 | <.1 | 1.08 | .003 | .03 | .2 | .02 | 3.5 | <.1 | <.05 | 4 | <.5 |
| M 7+50E 1+00N | .7 | 33.5 | 18.1 | 97 | .1 | 50.3 | 17.4 | 742 | 5.10 | 9.0 | 1.1 | 5.2 | 12.7 | 13 | .1 | .2 | .4 | 30 | .13 | .042 | 38 | 25.0 | .46 | 97 | .009 | 1 | 1.81 | .003 | .03 | .1 | .04 | 4.6 | .1 | <.05 | 5 | <.5 |
| M 7+50E 0+75N | 1.0 | 27.0 | 17.5 | 77 | .1 | 24.1 | 13.1 | 404 | 5.93 | 6.4 | .5 | 2.6 | 7.7 | 5 | .1 | .2 | .4 | 35 | .04 | .065 | 25 | 28.3 | .37 | 42 | .009 | <.1 | 1.45 | .003 | .03 | .2 | .03 | 2.0 | <.1 | <.05 | 5 | <.5 |
| M 7+50E 0+50N | 1.1 | 29.3 | 18.3 | 82 | .1 | 25.0 | 13.5 | 538 | 6.38 | 5.5 | .5 | .6 | 6.8 | 5 | .1 | .2 | .4 | 38 | .05 | .067 | 22 | 27.6 | .34 | 35 | .007 | 1 | 1.30 | .003 | .03 | .1 | .02 | 2.2 | <.1 | <.05 | 5 | <.5 |
| M 7+50E 0+25N | 1.0 | 25.0 | 16.2 | 71 | .1 | 23.1 | 13.4 | 616 | 5.32 | 4.9 | .6 | 3.8 | 8.1 | 4 | .1 | .2 | .5 | 32 | .04 | .102 | 26 | 22.4 | .30 | 29 | .004 | <.1 | 1.07 | .003 | .03 | .1 | .02 | 2.1 | <.1 | <.05 | 5 | <.5 |
| M 7+50E BL | 1.1 | 66.5 | 21.7 | 88 | .1 | 42.9 | 19.3 | 755 | 6.32 | 8.7 | .7 | 1.5 | 8.6 | 5 | .1 | .3 | .6 | 33 | .04 | .149 | 25 | 25.6 | .49 | 47 | .004 | 1 | 1.47 | .003 | .03 | .1 | .02 | 4.5 | <.1 | <.05 | 4 | <.5 |
| M 8+50E 2+50N | .7 | 75.4 | 8.7 | 77 | .2 | 11.3 | 20.2 | 458 | 5.37 | 3.7 | .9 | 9.0 | 5.5 | 6 | .1 | .1 | .2 | 46 | .08 | .104 | 19 | 5.4 | .37 | 19 | .004 | <.1 | 1.23 | .004 | .02 | .4 | .03 | 2.7 | <.1 | <.05 | 5 | <.5 |
| M 8+50E 2+25N | .7 | 12.8 | 13.4 | 28 | .2 | 8.9 | 4.1 | 448 | 1.82 | 3.1 | .4 | .8 | 3.3 | 6 | .1 | .1 | .2 | 21 | .08 | .058 | 18 | 10.9 | .09 | 66 | .005 | <.1 | .77 | .005 | .03 | .3 | .04 | .9 | .1 | <.05 | 4 | <.5 |
| M 8+50E 2+00N | 1.1 | 31.2 | 19.3 | 73 | .3 | 26.6 | 12.5 | 670 | 4.57 | 6.4 | .8 | .9 | 7.0 | 4 | .1 | .2 | .3 | 25 | .03 | .099 | 21 | 24.3 | .30 | 44 | .005 | <.1 | 1.21 | .005 | .03 | .3 | .06 | 2.0 | <.1 | <.05 | 4 | <.5 |
| M 8+50E 1+75N | .7 | 27.4 | 45.0 | 90 | .1 | 38.9 | 16.9 | 1140 | 6.25 | 6.4 | .7 | 1.5 | 11.2 | 20 | .4 | .1 | .9 | 20 | .17 | .095 | 35 | 17.2 | .22 | 63 | .005 | <.1 | 1.28 | .004 | .03 | .2 | .05 | 4.8 | <.1 | <.05 | 3 | <.5 |
| M 8+50E 1+50N | .8 | 44.0 | 26.9 | 71 | .1 | 41.3 | 21.7 | 1315 | 7.50 | 7.5 | .8 | 1.9 | 11.8 | 16 | .1 | .2 | .6 | 25 | .23 | .092 | 45 | 14.3 | .24 | 61 | .004 | <.1 | 1.05 | .004 | .03 | .3 | .06 | 5.8 | <.1 | <.05 | 3 | .5 |
| STANDARD DS4 | 6.9 | 122.8 | 30.8 | 163 | .3 | 36.0 | 11.7 | 792 | 3.02 | 22.1 | 6.7 | 28.1 | 4.0 | 27 | 5.2 | 4.8 | 5.0 | 80 | .52 | .082 | 17 | 161.6 | .62 | 141 | .095 | 1 | 1.70 | .030 | 14 | 3.9 | .29 | 3.5 | 1.2 | <.05 | 6 | 1.3 |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B % | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|--------|---------|---------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|
| G-1 | 1.3 | 2.4 | 2.4 | 40 | <.1 | 4.3 | 3.6 | 505 | 1.75 | <.5 | 2.9 | <.5 | 4.5 | 64 | <.1 | <.1 | .1 | 36 | .52 | .078 | 6 | 21.7 | .53 | 176 | .123 | 1 | .80 | .063 | .38 | .7 | <.01 | 1.6 | .2 | <.05 | 4 | <.5 |
| M 8+50E 1+25N | .8 | 16.5 | 18.0 | 55 | .1 | 18.3 | 9.4 | 364 | 4.34 | 6.5 | .6 | 2.0 | 7.6 | 4 | <.1 | .1 | .3 | 22 | .02 | .078 | 20 | 15.6 | .19 | 43 | .008 | 2 | 1.04 | .004 | .03 | .3 | .03 | 1.5 | <.1 | <.05 | 3 | <.5 |
| M 8+50E 1+00N | .6 | 60.8 | 36.0 | 59 | .1 | 42.9 | 22.0 | 1296 | 6.47 | 8.2 | 1.2 | 3.1 | 19.1 | 10 | .1 | .2 | .5 | 12 | .08 | .070 | 88 | 8.9 | .22 | 42 | .002 | <.1 | .72 | .004 | .02 | .1 | .10 | 7.1 | <.1 | <.05 | 2 | <.5 |
| M 8+50E 0+75N | .7 | 15.5 | 13.4 | 60 | <.1 | 17.7 | 9.0 | 374 | 3.99 | 5.1 | .5 | <.5 | 5.7 | 8 | .1 | .2 | .3 | 25 | .06 | .068 | 22 | 16.8 | .24 | 38 | .007 | 1 | 1.03 | .004 | .02 | .1 | .03 | 1.9 | <.1 | <.05 | 4 | <.5 |
| M 9+50E 2+25N | .9 | 52.1 | 24.4 | 87 | .1 | 40.6 | 18.2 | 778 | 4.10 | 8.8 | 1.4 | 5.9 | 9.5 | 17 | .2 | .3 | .3 | 15 | .25 | .068 | 25 | 14.9 | .42 | 52 | .009 | <.1 | .73 | .003 | .03 | .7 | .02 | 2.5 | <.1 | <.05 | 2 | <.5 |
| M 9+50E 2+00N | .8 | 25.5 | 31.3 | 59 | .1 | 20.6 | 9.9 | 526 | 4.60 | 10.5 | .5 | 1.5 | 5.6 | 6 | .1 | .1 | .5 | 28 | .05 | .067 | 21 | 19.4 | .27 | 43 | .007 | 1 | .91 | .003 | .03 | 1.1 | .02 | 1.4 | <.1 | <.05 | 5 | <.5 |
| M 9+50E 1+75N | 1.1 | 19.5 | 76.3 | 85 | .6 | 22.9 | 18.1 | 1220 | 6.28 | 10.0 | .7 | .9 | 5.4 | 10 | .4 | .2 | 1.0 | 30 | .10 | .114 | 14 | 29.3 | .21 | 57 | .019 | 1 | 1.81 | .004 | .03 | 1.3 | .10 | 1.6 | <.1 | <.05 | 5 | <.5 |
| M 9+50E 1+50N | .9 | 28.8 | 23.4 | 68 | .3 | 20.2 | 15.1 | 1291 | 4.42 | 6.4 | .7 | 2.3 | 5.3 | 7 | .1 | .2 | .4 | 26 | .04 | .081 | 23 | 17.2 | .23 | 49 | .008 | 1 | 1.07 | .004 | .03 | .3 | .03 | 1.8 | <.1 | <.05 | 4 | <.5 |
| M 9+50E 1+25N | 1.2 | 76.7 | 19.6 | 92 | .1 | 39.7 | 20.4 | 732 | 6.29 | 11.4 | .9 | <.5 | 8.7 | 6 | .2 | .2 | .5 | 26 | .06 | .100 | 27 | 19.5 | .43 | 40 | .003 | <.1 | 1.13 | .004 | .02 | 1 | .02 | 3.1 | <.1 | <.05 | 4 | <.5 |
| M 9+50E 1+00N | .8 | 21.3 | 12.5 | 51 | .2 | 17.4 | 9.4 | 233 | 3.39 | 5.5 | .5 | <.5 | 5.5 | 5 | .1 | .1 | .3 | 28 | .04 | .057 | 24 | 17.2 | .27 | 26 | .006 | 1 | .99 | .003 | .02 | .2 | .05 | 1.4 | <.1 | <.05 | 5 | <.5 |
| M 9+50E 0+75N | .5 | 11.8 | 24.8 | 46 | .1 | 19.2 | 9.2 | 505 | 4.27 | 3.7 | .6 | <.5 | 5.2 | 14 | .1 | .1 | .5 | 16 | .11 | .076 | 24 | 13.0 | .15 | 48 | .008 | <.1 | .90 | .003 | .03 | .2 | .02 | 1.8 | <.1 | <.05 | 3 | <.5 |
| M 9+50E 0+50N | .8 | 32.4 | 37.3 | 84 | .2 | 35.6 | 20.8 | 2084 | 5.98 | 7.6 | .8 | <.5 | 9.4 | 75 | .4 | .1 | .7 | 14 | .82 | .093 | 36 | 8.8 | .18 | 66 | .006 | <.1 | .59 | .004 | .03 | .1 | .05 | 3.5 | <.1 | <.05 | 2 | <.5 |
| M 9+50E 0+25N | .7 | 44.2 | 19.0 | 73 | .1 | 30.8 | 19.5 | 774 | 6.67 | 7.8 | .7 | <.5 | 8.4 | 12 | .1 | .2 | .4 | 22 | .10 | .086 | 24 | 14.5 | .25 | 42 | .006 | <.1 | 1.12 | .003 | .03 | .1 | .03 | 4.9 | <.1 | <.05 | 3 | <.5 |
| M 9+50E BL | .8 | 51.4 | 12.8 | 75 | .1 | 22.8 | 18.1 | 355 | 6.60 | 10.9 | .5 | .5 | 6.2 | 6 | .1 | .1 | .3 | 31 | .03 | .066 | 20 | 15.7 | .27 | 46 | .003 | <.1 | 1.32 | .004 | .03 | .2 | .03 | 3.9 | <.1 | <.05 | 3 | <.5 |
| M 10+50E 2+25N | .7 | 41.8 | 30.4 | 78 | .2 | 43.0 | 23.9 | 668 | 4.06 | 12.6 | 1.0 | 1.2 | 8.0 | 6 | .2 | .1 | .3 | 12 | .07 | .055 | 22 | 23.5 | .60 | 32 | .002 | 1 | 1.47 | .002 | .03 | .2 | .04 | 1.2 | <.1 | <.05 | 4 | <.5 |
| M 10+50E 2+00N | .7 | 28.7 | 17.3 | 74 | .1 | 32.5 | 14.2 | 710 | 4.62 | 5.6 | .8 | <.5 | 6.7 | 4 | .2 | .1 | .3 | 20 | .03 | .056 | 27 | 24.5 | .46 | 44 | .006 | 1 | 1.38 | .002 | .03 | .4 | .04 | 1.9 | <.1 | <.05 | 4 | <.5 |
| M 10+50E 1+75N | .5 | 11.2 | 10.3 | 91 | .1 | 12.7 | 6.3 | 1593 | 2.67 | 3.3 | .5 | <.5 | 2.9 | 5 | .1 | .1 | .3 | 19 | .03 | .070 | 23 | 16.1 | .22 | 114 | .009 | 1 | .93 | .003 | .03 | .1 | .08 | 1.2 | <.1 | <.05 | 4 | <.5 |
| M 10+50E 1+50N | .7 | 20.3 | 19.0 | 68 | .1 | 26.5 | 11.9 | 486 | 4.54 | 5.7 | .4 | <.5 | 5.7 | 7 | .1 | .1 | .4 | 28 | .03 | .067 | 22 | 35.3 | .47 | 42 | .007 | <.1 | 1.09 | .003 | .04 | .1 | .01 | 2.1 | <.1 | <.05 | 4 | <.5 |
| M 10+50E 1+25N | .8 | 22.3 | 13.8 | 53 | <.1 | 18.8 | 9.6 | 399 | 4.08 | 5.0 | .5 | <.5 | 6.6 | 4 | <.1 | .2 | .4 | 25 | .03 | .063 | 24 | 11.9 | .25 | 33 | .006 | <.1 | .85 | .002 | .03 | .2 | .03 | 1.5 | <.1 | <.05 | 4 | <.5 |
| M 10+50E 1+00N | .6 | 20.2 | 16.7 | 61 | <.1 | 20.5 | 10.3 | 281 | 4.86 | 5.9 | .4 | .9 | 6.5 | 5 | .1 | .2 | .3 | 23 | .04 | .065 | 20 | 16.6 | .24 | 30 | .005 | <.1 | .99 | .003 | .02 | 1 | .02 | 1.7 | <.1 | <.05 | 4 | <.5 |
| RE M 10+50E 1+00N | .8 | 21.0 | 17.5 | 63 | <.1 | 21.9 | 10.8 | 286 | 4.98 | 6.4 | .4 | .6 | 6.8 | 5 | <.1 | .2 | .4 | 24 | .04 | .067 | 21 | 16.4 | .23 | 31 | .005 | <.1 | 1.01 | .003 | .03 | .1 | .01 | 1.8 | .1 | <.05 | 4 | <.5 |
| M 10+50E 0+75N | .6 | 34.0 | 22.7 | 79 | .1 | 29.5 | 17.0 | 484 | 4.84 | 6.2 | .6 | 1.4 | 8.4 | 11 | .1 | .2 | .4 | 29 | .06 | .047 | 22 | 16.5 | .28 | 72 | .005 | 1 | 1.34 | .005 | .05 | .1 | <.01 | 3.1 | .1 | <.05 | 4 | <.5 |
| M 10+50E 0+50N | .6 | 23.6 | 20.7 | 97 | .1 | 29.5 | 14.6 | 406 | 4.59 | 5.0 | .7 | <.5 | 7.3 | 6 | .1 | .2 | .4 | 28 | .06 | .058 | 22 | 19.4 | .28 | 67 | .006 | 1 | 1.28 | .003 | .03 | .1 | .02 | 2.5 | <.1 | <.05 | 4 | <.5 |
| M 11+50E 1+50N | .5 | 33.7 | 10.7 | 72 | .1 | 58.8 | 27.5 | 465 | 3.47 | 19.6 | .8 | 3.0 | 11.9 | 24 | .1 | .2 | .1 | 15 | 1.44 | .071 | 16 | 30.3 | .72 | 37 | .007 | <.1 | 1.36 | .004 | .04 | .1 | .02 | 1.9 | <.1 | <.05 | 4 | <.5 |
| M 11+50E 1+25N | 1.0 | 56.5 | 36.4 | 115 | .3 | 34.3 | 22.7 | 615 | 7.96 | 10.7 | .8 | 2.0 | 8.1 | 10 | .3 | .3 | .6 | 33 | .11 | .154 | 20 | 23.4 | .49 | 48 | .005 | 1 | 1.64 | .004 | .02 | .2 | .04 | 3.2 | <.1 | <.05 | 4 | <.5 |
| M 11+50E 1+00N | .9 | 92.2 | 47.7 | 113 | .3 | 56.9 | 30.1 | 1668 | 7.65 | 12.8 | 1.4 | 4.9 | 19.6 | 18 | .4 | .3 | .6 | 22 | .24 | .123 | 50 | 18.6 | .44 | 57 | .003 | 1 | 1.71 | .004 | .02 | .1 | .08 | 9.9 | <.1 | <.05 | 3 | .7 |
| M 11+50E 0+75N | .8 | 28.1 | 20.7 | 79 | .1 | 22.9 | 15.6 | 838 | 4.61 | 5.9 | .5 | 1.1 | 7.3 | 8 | .1 | .2 | .4 | 29 | .08 | .059 | 21 | 17.2 | .24 | 71 | .004 | <.1 | 1.16 | .004 | .03 | .2 | .04 | 2.1 | <.1 | <.05 | 4 | <.5 |
| M 11+50E 0+50N | .8 | 38.8 | 25.4 | 96 | .1 | 31.0 | 16.8 | 635 | 5.88 | 7.8 | .6 | .7 | 7.7 | 16 | .1 | .2 | .5 | 29 | .12 | .083 | 24 | 20.8 | .36 | 75 | .003 | <.1 | 1.31 | .005 | .03 | .1 | .01 | 3.4 | <.1 | <.05 | 4 | <.5 |
| M 11+50E 0+25N | .7 | 24.4 | 19.7 | 69 | <.1 | 21.1 | 14.7 | 618 | 4.86 | 5.8 | .5 | 1.1 | 6.1 | 6 | .1 | .2 | .4 | 37 | .04 | .064 | 18 | 18.2 | .28 | 61 | .004 | <.1 | 1.28 | .003 | .03 | .1 | .01 | 2.6 | <.1 | <.05 | 5 | <.5 |
| M 11+50E BL | .6 | 20.7 | 18.3 | 105 | .1 | 96.0 | 26.6 | 882 | 4.51 | 3.3 | .7 | .7 | 5.1 | 21 | .1 | .2 | .3 | 92 | .19 | .075 | 36 | 137.4 | 1.28 | 498 | .074 | 1 | 2.59 | .006 | .03 | .1 | .04 | 4.2 | <.1 | <.05 | 9 | <.5 |
| STANDARD DS4 | 6.9 | 127.4 | 31.0 | 161 | .3 | 35.8 | 12.0 | 820 | 3.24 | 23.7 | 6.6 | 28.2 | 3.9 | 28 | 5.3 | 4.8 | 5.1 | 76 | .54 | .088 | 17 | 164.5 | .62 | 143 | .099 | 2 | 1.75 | .032 | .15 | 3.7 | .30 | 3.7 | 1.1 | <.05 | 6 | 1.4 |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABS LTD.

852 E. Hastings St., Vancouver, BC
CANADA V6A 1R6

Confirmation of Request for Analyses

(Please DO NOT fax back to ACME unless there are changes to be made.)

File #: A302618

Date: Jul 16 2003

| | |
|--|--|
| To: Name: <u>Doug Symonds</u> Company: <u>Sydney Resource Corporation</u> Fax: <u>(604) 669-5193</u> Project: _____ | From: Name: <u>Clarence/Jacky</u> Phone: <u>(604)253-3158, 1-800-990-2263</u> Fax: <u>(604)253-1716</u> e-mail: <u>tech@acmelab.com</u> |
|--|--|

of Samples: 60 Sample type: SOIL SS80 60 Date Received: Jul 16 2003

First sample name: F 3+50N Last sample name: M 7+25E 2+20N

Analysis Requested: G10X15g

(Please review carefully and notify us of any changes to be made.)

Estimated date of completion: July 24/03

STORAGE: ** Coarse rejects (free for 3 months, from date received; unless we received instructions regarding storage, we will begin invoicing at the end of three months.)
** Pulps (free for one year, from date received)

- Please note: the following missing/extra samples were noted in the sample sequence.
- Missing Samples: _____
- Do you want us to hold analysis until the samples are received?
 Hold analysis ** Missing samples will be sent to Acme on _____
 Proceed with analysis
- Extra Samples: _____
 Discard/ disregard extra samples
 Include extra samples in analysis

Date: _____

Authorizing Name or Signature Required



GEOCHEMICAL ANALYSIS CERTIFICATE



Sydney Resource Corporation File # A302618 Page 1
1550 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Doug Symonds

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
|----------------|------|-------|------|-----|-----|------|------|------|------|------|-----|------|------|-----|-----|-----|-----|-----|------|------|-----|-------|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| -1 | 2.5 | 3.9 | 2.8 | 51 | <.1 | 5.0 | 4.5 | 611 | 2.13 | .7 | 2.1 | .7 | 5.1 | 111 | <.1 | <.1 | .1 | 43 | .69 | .084 | 12 | 21.0 | .60 | 252 | .167 | 2 | 1.17 | 132 | .54 | 3.9 | .01 | 2.8 | .3 | <.05 | 6 | <.5 |
| 3+50N | .9 | 21.3 | 18.8 | 56 | .1 | 18.1 | 9.3 | 634 | 3.06 | 5.2 | .6 | 5.3 | 5.2 | 7 | .1 | .1 | .3 | 21 | .10 | .093 | 20 | 11.9 | .23 | 47 | .007 | 1 | .79 | .002 | .03 | .5 | .03 | 1.6 | <.1 | <.05 | 3 | <.5 |
| 3+25N | .8 | 14.5 | 17.6 | 40 | .1 | 10.5 | 5.9 | 854 | 3.58 | 4.3 | .5 | 1.2 | 6.4 | 4 | .1 | .1 | .3 | 23 | .04 | .093 | 24 | 11.9 | .14 | 48 | .010 | 1 | .78 | .002 | .02 | .4 | .02 | .9 | <.1 | <.05 | 4 | <.5 |
| 3+00N | .8 | 30.6 | 13.7 | 56 | <.1 | 18.7 | 11.8 | 214 | 4.76 | 8.0 | .4 | 1.8 | 6.1 | 5 | .1 | .1 | .2 | 21 | .03 | .058 | 21 | 11.7 | .23 | 35 | .003 | <.1 | .97 | .002 | .02 | .4 | .02 | 2.5 | <.1 | <.05 | 3 | <.5 |
| 2+75N | .7 | 50.6 | 20.5 | 60 | .2 | 32.9 | 19.8 | 788 | 4.35 | 9.1 | 1.0 | 3.2 | 8.8 | 112 | .2 | .2 | .3 | 11 | 3.48 | .069 | 26 | 8.9 | .31 | 36 | .004 | 1 | .64 | .002 | .03 | .7 | .04 | 3.5 | <.1 | .07 | 2 | <.5 |
| 2+50N | .7 | 125.6 | 14.8 | 79 | .1 | 23.1 | 32.2 | 1353 | 9.97 | 25.2 | .7 | 2.6 | 7.8 | 32 | .3 | .2 | .2 | 26 | .67 | .106 | 24 | 6.6 | .41 | 39 | .005 | <.1 | .95 | .002 | .03 | .7 | .04 | 8.0 | <.1 | <.05 | 3 | <.5 |
| 2+25N | .5 | 30.3 | 23.3 | 52 | .1 | 27.5 | 13.9 | 479 | 3.83 | 5.3 | .7 | .6 | 9.7 | 62 | .1 | .2 | 4 | 12 | 1.75 | .062 | 36 | 10.1 | .29 | 36 | .006 | 1 | .72 | .002 | .03 | .3 | .04 | 3.0 | <.1 | <.05 | 2 | <.5 |
| 1+75N | .9 | 36.6 | 16.9 | 67 | .1 | 18.3 | 11.9 | 430 | 4.65 | 6.8 | .4 | .8 | 6.0 | 12 | .1 | .1 | 2 | 37 | .11 | .088 | 18 | 15.5 | .41 | 32 | .005 | <.1 | 1.22 | .002 | .02 | .2 | .02 | 2.7 | <.1 | <.05 | 5 | <.5 |
| 1+50N | 1.1 | 47.5 | 40.4 | 91 | <.1 | 24.9 | 18.9 | 945 | 6.99 | 9.1 | .5 | .9 | 6.4 | 11 | .1 | .2 | 6 | 36 | .13 | .110 | 16 | 17.2 | .33 | 44 | .009 | 1 | 1.23 | .002 | .02 | .2 | .02 | 3.2 | <.1 | <.05 | 5 | <.5 |
| 1+25N | .9 | 52.2 | 35.5 | 94 | <.1 | 26.4 | 19.0 | 642 | 6.13 | 5.4 | .4 | 2.8 | 6.5 | 13 | .1 | .1 | .5 | 39 | .13 | .062 | 20 | 16.5 | .40 | 46 | .007 | 1 | 1.29 | .003 | .03 | .2 | .02 | 3.7 | .1 | <.05 | 5 | <.5 |
| 1+20N | .9 | 25.6 | 18.0 | 72 | .1 | 23.8 | 11.4 | 285 | 4.25 | 5.3 | .7 | <.5 | 7.5 | 7 | .1 | .1 | .3 | 24 | .06 | .080 | 22 | 14.2 | .27 | 41 | .007 | <.1 | 1.13 | .002 | .02 | .1 | .03 | 2.1 | <.1 | <.05 | 4 | <.5 |
| 1+00N | 1.0 | 56.0 | 40.7 | 97 | .1 | 30.2 | 20.2 | 537 | 6.48 | 5.6 | .5 | .9 | 7.3 | 10 | .1 | .2 | .6 | 39 | .06 | .059 | 21 | 19.2 | .40 | 45 | .009 | 1 | 1.49 | .003 | .03 | .2 | .03 | 3.5 | <.1 | <.05 | 5 | <.5 |
| 0+75N | 1.0 | 91.2 | 40.6 | 112 | .1 | 35.5 | 22.0 | 1115 | 7.77 | 13.2 | .9 | .7 | 10.0 | 14 | .2 | .2 | .5 | 36 | .10 | .076 | 24 | 19.7 | .45 | 47 | .007 | 1 | 1.54 | .003 | .03 | .1 | .03 | 5.2 | <.1 | <.05 | 5 | <.5 |
| 0+50N | .6 | 63.7 | 43.1 | 98 | .1 | 34.6 | 20.9 | 968 | 5.20 | 6.5 | .8 | 1.4 | 9.8 | 54 | .2 | .2 | .5 | 31 | 1.04 | .073 | 35 | 19.4 | .53 | 59 | .010 | 1 | 1.43 | .004 | .04 | .2 | .05 | 4.5 | <.1 | <.05 | 4 | <.5 |
| 0+25N | .7 | 64.2 | 34.2 | 87 | .1 | 35.1 | 21.9 | 860 | 4.78 | 7.6 | .8 | 2.4 | 11.8 | 125 | .2 | .2 | .4 | 27 | 3.06 | .086 | 41 | 18.3 | .57 | 47 | .009 | 1 | 1.11 | .003 | .05 | .2 | .05 | 4.1 | <.1 | <.05 | 4 | <.5 |
| 0+00N | .6 | 15.3 | 23.6 | 55 | .2 | 21.4 | 12.9 | 454 | 3.36 | 2.9 | .6 | <.5 | 5.5 | 33 | .2 | .1 | .3 | 34 | .32 | .027 | 21 | 20.8 | .29 | 49 | .008 | 1 | 1.42 | .004 | .03 | .1 | .03 | 2.2 | .1 | <.05 | 5 | <.5 |
| RE F 0+00N | .6 | 15.5 | 24.0 | 53 | .2 | 21.4 | 13.7 | 461 | 3.52 | 3.1 | .6 | <.5 | 5.3 | 33 | .1 | .1 | .3 | 32 | .33 | .028 | 21 | 19.8 | .29 | 54 | .008 | <.1 | 1.36 | .004 | .03 | .1 | .03 | 2.1 | .1 | <.05 | 4 | <.5 |
| 0+40E 3+50N | 1.3 | 47.0 | 25.5 | 84 | .1 | 33.2 | 16.0 | 1079 | 4.51 | 8.6 | 1.0 | 2.4 | 8.1 | 7 | .1 | .2 | .3 | 18 | .09 | .096 | 25 | 15.9 | .35 | 57 | .008 | <.1 | .90 | .002 | .03 | .5 | .04 | 2.3 | <.1 | <.05 | 3 | <.5 |
| 0+40E 3+25N | 1.2 | 42.3 | 30.9 | 81 | .1 | 35.7 | 14.9 | 511 | 3.87 | 7.7 | 1.0 | 3.5 | 10.0 | 8 | .1 | .2 | .3 | 18 | .09 | .069 | 31 | 16.9 | .33 | 66 | .009 | <.1 | .99 | .002 | .03 | .7 | .03 | 2.8 | <.1 | <.05 | 3 | .5 |
| 0+40E 3+00N | .8 | 23.1 | 23.2 | 59 | .1 | 19.4 | 9.1 | 431 | 2.86 | 5.0 | .6 | <.5 | 6.6 | 6 | .1 | .1 | .3 | 20 | .07 | .085 | 26 | 13.7 | .24 | 46 | .008 | 1 | .92 | .002 | .02 | .9 | .02 | 1.6 | <.1 | <.05 | 3 | <.5 |
| 0+40E 2+75N | .9 | 24.3 | 19.7 | 57 | .1 | 22.0 | 10.5 | 943 | 3.09 | 5.6 | .6 | 4.0 | 4.9 | 18 | .1 | .1 | .2 | 19 | .38 | .066 | 23 | 12.5 | .30 | 46 | .008 | 1 | .61 | .002 | .04 | .6 | .01 | 1.8 | <.1 | <.05 | 3 | <.5 |
| 0+40E 2+50N | .8 | 42.5 | 23.5 | 74 | .1 | 35.1 | 16.3 | 659 | 3.68 | 6.6 | .9 | 5.9 | 10.2 | 13 | .2 | .2 | .3 | 15 | .25 | .066 | 29 | 13.4 | .37 | 48 | .008 | <.1 | .82 | .002 | .04 | .5 | .02 | 2.9 | <.1 | <.05 | 3 | <.5 |
| 0+40E 2+25N | .7 | 38.4 | 31.2 | 63 | .1 | 31.5 | 14.3 | 607 | 4.01 | 9.5 | .9 | 8.6 | 11.0 | 27 | .2 | .2 | .4 | 17 | .47 | .055 | 36 | 16.7 | .34 | 74 | .006 | 1 | 1.13 | .002 | .05 | 1.2 | .04 | 3.6 | <.1 | <.05 | 3 | <.5 |
| 0+40E 2+00N | .6 | 43.7 | 23.8 | 63 | .1 | 35.7 | 18.8 | 726 | 4.23 | 5.7 | .8 | .5 | 13.9 | 69 | .1 | .2 | .4 | 18 | 1.68 | .071 | 44 | 19.0 | .51 | 73 | .008 | <.1 | 1.14 | .003 | .07 | .2 | .02 | 3.4 | <.1 | <.05 | 3 | <.5 |
| RG 1+50N 2+00W | .9 | 23.2 | 14.0 | 51 | .1 | 26.6 | 9.1 | 208 | 3.98 | 13.7 | .6 | 25.9 | 12.7 | 4 | .1 | .2 | .6 | 14 | .03 | .106 | 42 | 12.4 | .14 | 21 | .005 | 1 | .65 | .003 | .03 | .2 | .04 | 1.1 | <.1 | <.05 | 3 | <.5 |
| RG 1+50N 1+75W | .5 | 12.2 | 17.3 | 48 | .1 | 18.5 | 6.3 | 279 | 2.18 | 14.5 | .4 | 9.1 | 9.8 | 4 | .1 | .1 | .3 | 13 | .01 | .064 | 42 | 6.7 | .07 | 20 | .007 | 1 | .41 | .003 | .03 | .2 | .01 | 1.0 | <.1 | <.05 | 3 | <.5 |
| RG 1+50N 1+50W | .9 | 23.8 | 16.8 | 53 | .1 | 28.8 | 10.2 | 289 | 4.11 | 18.2 | .6 | 12.0 | 9.0 | 3 | .1 | .2 | .5 | 18 | .01 | .051 | 35 | 11.8 | .12 | 25 | .006 | 1 | .71 | .003 | .02 | .3 | .03 | 1.3 | <.1 | <.05 | 4 | <.5 |
| RG 1+50N 1+25W | .8 | 30.9 | 68.6 | 71 | .2 | 36.4 | 13.9 | 354 | 4.76 | 20.9 | 1.2 | 35.7 | 4.8 | 9 | .3 | .2 | 1.1 | 16 | .12 | .046 | 19 | 17.5 | .27 | 22 | .003 | <.1 | .95 | .004 | .02 | .3 | .03 | 1.3 | <.1 | <.05 | 4 | <.5 |
| RG 1+50N 1+00W | 1.1 | 19.9 | 27.4 | 53 | .1 | 28.2 | 9.9 | 283 | 4.85 | 27.2 | .7 | 6.9 | 5.8 | 8 | .1 | .2 | .5 | 26 | .05 | .048 | 18 | 26.1 | .24 | 50 | .005 | <.1 | 1.05 | .004 | .02 | .4 | .03 | 1.5 | <.1 | <.05 | 5 | <.5 |
| RG 1+50N 0+75W | .9 | 28.3 | 33.7 | 77 | .1 | 38.4 | 18.7 | 355 | 5.71 | 39.0 | 1.3 | 15.4 | 9.1 | 7 | .2 | .2 | .5 | 29 | .04 | .063 | 25 | 41.4 | .36 | 68 | .004 | 1 | 1.81 | .004 | .03 | .3 | .07 | 2.0 | <.1 | <.05 | 6 | <.5 |
| RG 1+50N 0+50W | 1.1 | 21.6 | 30.7 | 53 | .6 | 27.0 | 15.2 | 5730 | 3.78 | 14.5 | 1.1 | 20.5 | 4.4 | 10 | .3 | .1 | .6 | 28 | .05 | .046 | 20 | 24.9 | .26 | 140 | .006 | 1 | 1.39 | .005 | .03 | .3 | .09 | 1.7 | .1 | <.05 | 6 | <.5 |
| RG 1+50N 0+25W | .7 | 39.7 | 41.2 | 83 | .2 | 46.0 | 31.0 | 1730 | 5.25 | 32.2 | 3.7 | 17.9 | 6.4 | 28 | .2 | .2 | .4 | 20 | .37 | .077 | 21 | 27.9 | .31 | 51 | .008 | <.1 | 1.62 | .006 | .04 | .3 | .07 | 2.6 | <.1 | <.05 | 4 | <.5 |
| RG 1+25N 2+00W | .8 | 16.2 | 12.8 | 32 | .1 | 17.7 | 6.4 | 180 | 2.61 | 10.2 | .5 | 10.5 | 8.7 | 3 | .1 | .1 | .4 | 19 | .02 | .103 | 35 | 8.1 | .10 | 17 | .006 | 1 | .52 | .003 | .03 | .4 | .02 | .9 | <.1 | <.05 | 4 | <.5 |
| RG 1+25N 1+75W | .7 | 23.8 | 15.0 | 46 | .2 | 24.4 | 9.1 | 244 | 3.15 | 14.4 | .6 | 18.6 | 8.1 | 3 | .1 | .2 | .5 | 11 | .03 | .069 | 32 | 8.1 | .13 | 14 | .003 | 1 | .54 | .003 | .03 | .4 | .03 | 1.3 | <.1 | <.05 | 2 | <.5 |
| RG 1+25N 1+50W | .9 | 25.6 | 21.0 | 62 | .1 | 32.5 | 15.4 | 1126 | 4.29 | 18.7 | .9 | 61.3 | 3.9 | 10 | .1 | .2 | .5 | 20 | .15 | .058 | 24 | 11.9 | .11 | 32 | .006 | 1 | .67 | .004 | .03 | .6 | .03 | 1.6 | <.1 | <.05 | 3 | <.5 |
| STANDARD DS5 | 12.8 | 140.9 | 26.0 | 133 | .2 | 23.2 | 11.8 | 791 | 3.04 | 17.0 | 6.5 | 43.0 | 2.8 | 50 | 5.4 | 3.9 | 6.3 | 58 | .73 | .093 | 13 | 182.1 | .66 | 135 | .107 | 17 | 2.05 | .033 | .13 | 4.8 | .17 | 3.7 | 1.0 | <.05 | 6 | 4.6 |

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject/Reruns.

DATE RECEIVED: JUL 16 2003 DATE REPORT MAILED: *July 29/03* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date *[Signature]* FA *[Signature]*



| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | 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 | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|
| G-1 | 2.9 | 4.1 | 3.0 | 51 | <.1 | 6.4 | 5.3 | 715 | 2.36 | 1.1 | 2.2 | <.5 | 4.9 | 109 | <.1 | <.1 | .2 | 53 | .75 | .096 | 13 | 25.8 | .68 | 303 | .182 | 1 | 1.34 | .139 | .61 | 4.5 | <.01 | 2.9 | .4 | <.05 | 6 | <.5 |
| HG 1+25N 1+25W | 1.0 | 65.9 | 60.7 | 77 | .5 | 57.3 | 34.3 | 4076 | 5.26 | 21.3 | 6.6 | 20.1 | 2.4 | 31 | .6 | .2 | .8 | 14 | .57 | .164 | 15 | 26.8 | .30 | 52 | .008 | 1 | 1.56 | .005 | .04 | .3 | .09 | 3.0 | .1 | <.05 | 3 | 1.0 |
| HG 1+12.5N 2+00W | 1.1 | 19.3 | 16.4 | 58 | .1 | 23.3 | 8.8 | 296 | 4.58 | 12.1 | .5 | 10.9 | 6.9 | 5 | .1 | 1 | .4 | 26 | .07 | .123 | 28 | 15.9 | .15 | 36 | .011 | <.1 | .83 | .004 | .03 | .4 | .03 | 1.3 | .1 | <.05 | 5 | <.5 |
| HG 1+12.5N 1+75W | 1.3 | 28.8 | 18.9 | 69 | .1 | 31.4 | 13.0 | 314 | 4.77 | 16.3 | .7 | 14.0 | 7.3 | 3 | .1 | .2 | .5 | 20 | .02 | .110 | 28 | 13.8 | .13 | 17 | .007 | <.1 | .71 | .003 | .03 | .8 | .02 | 1.3 | <.1 | <.05 | 5 | <.5 |
| HG 1+12.5N 1+50W | 1.0 | 28.2 | 21.2 | 55 | .1 | 28.4 | 13.2 | 652 | 3.59 | 17.3 | .7 | 24.1 | 2.8 | 8 | .1 | .4 | 6 | 15 | .06 | .058 | 31 | 9.3 | .07 | 36 | .006 | <.1 | .56 | .003 | .04 | 1.2 | .02 | 1.1 | <.1 | <.05 | 4 | .5 |
| HG 1+12.5N 1+25W | 1.0 | 37.5 | 31.0 | 52 | .2 | 32.1 | 13.3 | 325 | 4.42 | 14.5 | 1.5 | 74.7 | 2.4 | 9 | .2 | .2 | .7 | 14 | .10 | .069 | 20 | 14.7 | .11 | 24 | .005 | <.1 | .73 | .004 | .04 | .3 | .03 | 1.1 | <.1 | <.05 | 3 | <.5 |
| HG 1+12.5N 1+00W | 1.0 | 24.1 | 27.9 | 61 | .2 | 30.8 | 11.8 | 510 | 4.55 | 17.0 | .6 | 90.0 | 7.2 | 12 | .1 | .2 | .7 | 20 | .23 | .059 | 26 | 14.9 | .14 | 55 | .005 | <.1 | .88 | .003 | .04 | .4 | .04 | 1.3 | <.1 | <.05 | 4 | <.5 |
| HG 0+87.5N 2+00W | 1.1 | 21.8 | 17.2 | 40 | .1 | 25.6 | 9.0 | 185 | 3.37 | 11.9 | .6 | 21.1 | 9.7 | 2 | .1 | .2 | .5 | 14 | .01 | .073 | 35 | 10.3 | .11 | 25 | .005 | 1 | .61 | .003 | .02 | .5 | .02 | 1.1 | .1 | <.05 | 4 | <.5 |
| HG 0+87.5N 1+75W | 1.2 | 21.8 | 25.7 | 55 | .1 | 22.1 | 8.3 | 534 | 4.29 | 13.6 | .5 | 16.3 | 8.7 | 3 | .1 | .2 | .4 | 21 | .02 | .103 | 36 | 11.7 | .08 | 39 | .012 | <.1 | .55 | .003 | .03 | .5 | .02 | 1.3 | .1 | <.05 | 4 | <.5 |
| HG 0+87.5N 1+50W | .8 | 16.3 | 11.8 | 31 | .2 | 18.9 | 6.7 | 162 | 2.50 | 17.0 | .4 | 40.1 | 8.2 | 3 | .1 | .1 | .3 | 12 | .02 | .041 | 36 | 6.2 | .05 | 18 | .003 | <.1 | .47 | .003 | .03 | 3.8 | .02 | .8 | <.1 | <.05 | 3 | <.5 |
| HG 0+87.5N 1+25W | .6 | 21.9 | 23.8 | 51 | .2 | 28.0 | 10.5 | 377 | 3.68 | 20.1 | .5 | 40.4 | 9.9 | 3 | .1 | .2 | .6 | 14 | .03 | .044 | 37 | 9.4 | .06 | 36 | .006 | <.1 | .49 | .003 | .04 | .4 | .03 | 1.2 | <.1 | <.05 | 3 | <.5 |
| M 7+00E 2+45N | .3 | 27.1 | 18.9 | 52 | .1 | 37.4 | 21.7 | 519 | 3.11 | 24.8 | .7 | 1.8 | 9.2 | 252 | <.1 | 19.1 | .5 | <.1 | 5.18 | .033 | 22 | 2.0 | .07 | 18 | <.001 | <.1 | .12 | .002 | .03 | .1 | .01 | 3.3 | <.1 | <.05 | <.1 | <.5 |
| M 7+00E 2+25N | .6 | 31.7 | 33.8 | 57 | .2 | 33.0 | 17.9 | 1300 | 4.31 | 11.9 | .6 | 18.7 | 6.3 | 87 | .2 | .2 | .5 | 18 | 1.67 | .057 | 25 | 10.8 | .16 | 43 | .007 | 1 | .61 | .003 | .02 | .9 | .05 | 3.8 | <.1 | <.05 | 2 | .6 |
| M 7+00E 2+00N | 1.0 | 20.1 | 25.6 | 53 | .1 | 18.8 | 8.9 | 254 | 4.54 | 7.7 | .4 | 3.5 | 4.3 | 12 | .2 | .2 | .3 | 34 | .15 | .067 | 19 | 21.1 | .19 | 38 | .012 | <.1 | 1.01 | .003 | .02 | .9 | .04 | 1.8 | <.1 | <.05 | 5 | <.5 |
| M 7+00E 1+75N | 1.2 | 25.1 | 26.0 | 77 | .1 | 25.2 | 13.6 | 711 | 5.16 | 8.2 | .6 | 4.1 | 2.8 | 7 | .2 | .2 | .3 | 36 | .04 | .073 | 20 | 21.3 | .24 | 48 | .017 | <.1 | .73 | .003 | .02 | .2 | .02 | 1.6 | <.1 | <.05 | 6 | .5 |
| M 7+00E 1+50N | .9 | 35.1 | 27.2 | 93 | .1 | 29.6 | 15.9 | 914 | 5.56 | 10.0 | .9 | 1.9 | 6.8 | 8 | .2 | .2 | .4 | 23 | .07 | .099 | 20 | 20.7 | .28 | 55 | .007 | <.1 | .97 | .003 | .02 | .3 | .05 | 2.9 | <.1 | <.05 | 3 | .6 |
| M 7+00E 1+25N | .9 | 25.4 | 15.8 | 60 | <.1 | 26.7 | 11.4 | 284 | 4.64 | 5.8 | .5 | 1.6 | 7.6 | 8 | .1 | .2 | .3 | 25 | .04 | .062 | 30 | 24.0 | .35 | 45 | .005 | <.1 | 1.28 | .003 | .03 | .1 | .02 | 1.9 | <.1 | <.05 | 5 | .5 |
| M 7+00E 1+00N | 1.1 | 29.7 | 19.0 | 67 | .1 | 23.2 | 11.5 | 378 | 5.06 | 5.7 | .6 | 1.5 | 7.5 | 4 | .1 | .2 | .3 | 27 | .02 | .063 | 25 | 25.4 | .27 | 40 | .007 | <.1 | 1.33 | .003 | .02 | .1 | .04 | 1.6 | <.1 | <.05 | 5 | <.5 |
| RE M 7+00E 1+00N | 1.1 | 29.1 | 20.2 | 68 | .1 | 25.3 | 12.5 | 387 | 5.14 | 6.0 | .6 | 1.3 | 7.8 | 5 | .1 | .2 | .3 | 26 | .02 | .065 | 25 | 25.2 | .26 | 42 | .007 | <.1 | 1.35 | .003 | .03 | .1 | .03 | 1.8 | <.1 | <.05 | 5 | <.5 |
| M 7+20E 2+45N | .4 | 39.0 | 23.2 | 32 | .2 | 51.7 | 28.9 | 1465 | 5.54 | 12.9 | 1.0 | 1.6 | 8.5 | 70 | .1 | .4 | .8 | <.1 | .96 | .069 | 35 | 3.6 | .06 | 26 | .001 | 1 | .20 | .002 | .02 | .1 | .05 | 5.2 | <.1 | <.05 | 1 | <.5 |
| M 7+20E 2+35N | 2.0 | 266.7 | 47.0 | 38 | 2.3 | 5.3 | 2.1 | 1491 | 41.73 | 4.0 | .4 | 95.8 | 1.8 | 13 | .1 | .9 | 50.3 | 7 | .26 | .020 | 2 | 4.3 | .05 | 4 | .001 | <.1 | .28 | .002 | .04 | .5 | .02 | 3.3 | <.1 | 2.19 | 2 | 2.2 |
| M 7+20E 2+30N | 1.1 | 163.4 | 25.5 | 42 | .7 | 33.4 | 29.5 | 6134 | 17.34 | 14.5 | 2.5 | 12.3 | 9.9 | 30 | .1 | .6 | 3.9 | 6 | .45 | .050 | 26 | 7.7 | .10 | 32 | .002 | <.1 | .46 | .004 | .03 | .3 | .06 | 4.0 | <.1 | .33 | 2 | .9 |
| M 7+20E 2+15N | .5 | 47.8 | 30.4 | 34 | .2 | 56.2 | 27.6 | 913 | 5.41 | 11.8 | .9 | 1.7 | 16.4 | 121 | .1 | .2 | .6 | 5 | 1.56 | .046 | 79 | 10.2 | .13 | 47 | .002 | <.1 | .72 | .004 | .03 | .3 | .05 | 7.1 | <.1 | .06 | 2 | .9 |
| M 7+20E 2+00N | .9 | 31.0 | 45.3 | 61 | .1 | 26.4 | 13.3 | 353 | 4.65 | 8.0 | .5 | 3.8 | 6.5 | 8 | .1 | .2 | .3 | 26 | .05 | .048 | 23 | 24.8 | .33 | 83 | .004 | <.1 | 1.37 | .004 | .02 | .7 | .04 | 2.0 | <.1 | <.05 | 5 | .7 |
| M 7+20E 1+75N | .7 | 40.3 | 27.7 | 91 | .3 | 39.7 | 22.5 | 3220 | 5.20 | 6.8 | 1.5 | 52.1 | 3.7 | 80 | .7 | .2 | .3 | 24 | .92 | .132 | 30 | 25.5 | .35 | 126 | .011 | <.1 | 1.38 | .006 | .04 | .3 | .16 | 4.0 | .1 | <.05 | 4 | .9 |
| M 7+20E 1+50N | 1.2 | 60.9 | 11.3 | 81 | .1 | 18.7 | 19.7 | 697 | 7.00 | 7.6 | .5 | 1.8 | 2.8 | 9 | .1 | .1 | .2 | 59 | .08 | .108 | 17 | 18.8 | .34 | 90 | .009 | <.1 | 1.11 | .004 | .02 | .2 | .03 | 3.6 | <.1 | <.05 | 6 | .5 |
| M 7+20E 1+25N | 1.0 | 45.2 | 9.7 | 61 | <.1 | 19.3 | 17.2 | 425 | 6.48 | 7.3 | .4 | .6 | 4.5 | 6 | .1 | .1 | .2 | 28 | .04 | .081 | 24 | 11.0 | .25 | 41 | .004 | <.1 | .85 | .003 | .03 | .1 | .02 | 3.7 | <.1 | <.05 | 4 | <.5 |
| M 7+20E 1+00N | .8 | 56.1 | 10.3 | 90 | <.1 | 26.1 | 20.8 | 564 | 6.39 | 5.1 | .4 | 1.3 | 6.1 | 5 | <.1 | .1 | .2 | 37 | .04 | .080 | 23 | 19.1 | .44 | 53 | .004 | <.1 | 1.57 | .004 | .03 | .2 | .02 | 3.4 | <.1 | <.05 | 5 | <.5 |
| M 7+25E 2+20N | .7 | 280.8 | 71.1 | 38 | 3.6 | 2.8 | 3.4 | 1458 | 40.30 | 1.4 | .4 | 90.7 | .9 | 86 | <.1 | .7 | 51.4 | 2 | 1.57 | .040 | 1 | 2.7 | .04 | 6 | .001 | <.1 | .21 | .004 | .12 | .4 | .03 | 1.1 | <.1 | 4.27 | 1 | 3.1 |
| STANDARD DSS | 12.8 | 137.3 | 25.5 | 132 | .3 | 23.0 | 11.8 | 735 | 2.83 | 17.8 | 6.3 | 42.0 | 2.8 | 50 | 5.5 | 3.6 | 6.4 | 58 | .74 | .092 | 12 | 179.2 | .63 | 135 | .094 | 18 | 1.98 | .032 | .13 | 4.9 | .17 | 3.4 | 1.1 | <.05 | 7 | 5.0 |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

APPENDIX II

Rock Sample Data from *Acme Analytical Laboratories Ltd.*

ACME ANALYTICAL LABS LTD.

852 E. Hastings St., Vancouver, BC
CANADA V6A 1R6

Confirmation of Request for Analyses

(Please DO NOT fax back to ACME unless there are changes to be made.)

File #: **A302222**

Date: **Jun 25 2003**

To:
Name: Doug Symonds
Company: Sydney Resource Corporation
Fax: (604) 669-5193
Project: _____

From:
Name: Clarence/Jacky
Phone: (604)253-3158, 1-800-990-2263
Fax: (604)253-1716
e-mail: tech@acmelab.com

of Samples: 14 Sample type: ROCK R150 60 Date Received: Jun 25 2003

First sample name: 03001 Last sample name: 03022

Analysis Requested: G10X 5g

(Please review carefully and notify us of any changes to be made.)

Estimated date of completion: July 8/03

STORAGE:** Coarse rejects (free for 3 months, from date received; unless we received instructions regarding storage, we will begin invoicing at the end of three months.)

** Pulps (free for one year, from date received)

Please note: the following missing/extra samples were noted in the sample sequence.

Missing Samples: _____

- Do you want us to hold analysis until the samples are received?

Hold analysis ** Missing samples will be sent to Acme on _____
 Proceed with analysis

Extra Samples: _____

Discard/ disregard extra samples
 Include extra samples in analysis

Date: June 26/03

Authorizing Name or Signature Required



GEOCHEMICAL ANALYSIS CERTIFICATE



Sydney Resource Corporation File # A302222

1550 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Doug Symonds

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | 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 | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm |
|--------------|--------|---------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|
| SI | .4 | 1.9 | .5 | 1 | <.1 | 1.0 | .2 | 13 | .16 | 5.2 | <.1 | 1.9 | <.1 | 5 | <.1 | .1 | <.1 | .21 | .001 | <.1 | 1.4 | .01 | 3 | .003 | 1 | .02 | .733 | .01 | .2 | .01 | .1 | <.1 | <.05 | <.1 | <.5 | |
| 03001 | .5 | 4.6 | 13.9 | 11 | <.1 | 2.0 | 1.2 | 1323 | 1.51 | 7.7 | .4 | 1.0 | .5 | 1212 | <.1 | .1 | .1 | <.1 | 23.97 | .011 | 5 | 2.2 | .71 | 41 | .002 | 1 | .04 | .009 | .02 | 1.1 | <.01 | 1.1 | <.1 | <.05 | <.1 | .6 |
| 03002 | 1.8 | 14.2 | 4.6 | 7 | <.1 | 11.5 | 4.5 | 512 | 1.24 | 4.0 | .4 | 1.5 | .5 | 23 | .1 | .1 | .2 | 2 | 1.57 | .004 | 1 | 3.9 | .05 | 33 | .003 | 2 | .05 | .004 | .02 | 1.0 | <.01 | .8 | <.1 | .06 | <.1 | <.5 |
| 03003 | .8 | 2.8 | 5.2 | 8 | <.1 | 4.7 | 2.4 | 878 | 1.68 | .9 | .1 | 1.2 | 1.1 | 68 | .1 | <.1 | .2 | 1 | 2.52 | .050 | 5 | 4.6 | .42 | 19 | .004 | <.1 | .15 | .005 | .05 | 1.0 | <.01 | 1.2 | <.1 | <.05 | <.1 | <.5 |
| 03004 | .9 | 44.5 | 4.7 | 59 | <.1 | 33.2 | 29.0 | 1054 | 5.19 | 15.9 | .4 | .7 | 1.4 | 218 | .1 | .1 | .1 | 51 | 7.32 | .040 | 5 | 30.4 | 2.02 | 19 | .006 | <.1 | 1.92 | .016 | .05 | .5 | <.01 | 6.1 | <.1 | <.05 | 5 | <.5 |
| 03005 | .5 | 22296.4 | 912.9 | 1537 | 21.0 | 144.8 | 200.0 | 2919 | 11.04 | 11.3 | .4 | 581.1 | <.1 | 815 | 7.9 | 2.2 | 6.2 | 1 | 24.90 | .001 | 1 | <.1 | .49 | 9 | <.001 | <.1 | .04 | <.001 | <.01 | .1 | .03 | 15.5 | <.1 | 3.60 | <.1 | 11.8 |
| 03006A | 2.1 | 1314.6 | 118.7 | 54 | 2.9 | 44.0 | 21.5 | 6476 | 29.48 | <.5 | 3.4 | 42.5 | 2.9 | 212 | 1.5 | .2 | 1.9 | 11 | 6.30 | .006 | 10 | 3.5 | 1.21 | 12 | <.001 | <.1 | .15 | .005 | .01 | 3.0 | .01 | 3.7 | <.1 | 13.45 | 1 | 3.8 |
| 03006B | 1.1 | 73.5 | 6.7 | 6 | 2 | 3.6 | 1.1 | 265 | 3.08 | 8.9 | .2 | 127.0 | .4 | 9 | <.1 | .2 | .3 | 1 | .25 | .002 | 2 | 4.3 | .04 | 1 | .003 | <.1 | .02 | .006 | <.01 | 1.2 | <.01 | .3 | <.1 | .30 | <.1 | 1.1 |
| 03006C | 1.1 | 960.9 | 1816.5 | 25 | 11.2 | 54.6 | 35.2 | 2433 | 35.36 | <.5 | 162.2 | 5.2 | 6.3 | 84 | 1.6 | .2 | 24.0 | 4 | 2.74 | <.001 | 14 | 5.8 | .40 | 6 | .007 | <.1 | .14 | .003 | <.01 | 4.1 | <.01 | 4.6 | <.1 | 19.44 | <.1 | 8.3 |
| 03010 | .9 | 453.2 | 29.1 | 40 | 1.0 | 26.9 | 17.2 | >9999 | 24.84 | 18.5 | 1.4 | 15.7 | .9 | 326 | .4 | 3.4 | 11.3 | 3 | 8.21 | .011 | 2 | 1.8 | 2.21 | 6 | <.001 | 1 | .19 | .005 | .02 | .5 | .01 | 1.3 | .1 | 13.05 | 1 | 1.4 |
| 03011 | .6 | 485.9 | 24.7 | 39 | 1.0 | 20.1 | 2.1 | >9999 | 25.12 | <.5 | .5 | 6.8 | .6 | 300 | .4 | .2 | 17.0 | 1 | 8.99 | .019 | 2 | 1.6 | 2.69 | 3 | .004 | 1 | .17 | .002 | .01 | .4 | <.01 | .8 | <.1 | 6.65 | 1 | 1.1 |
| 03012 | .4 | 1185.6 | 8.3 | 38 | .9 | 112.0 | 95.3 | 4470 | 34.49 | <.5 | .4 | 9.6 | .4 | 88 | .1 | .7 | 3.9 | 4 | 3.32 | .020 | 3 | 2.4 | .58 | 2 | <.001 | <.1 | .74 | .001 | <.01 | .4 | .01 | 1.3 | <.1 | 15.78 | 3 | 3.0 |
| RE 03012 | .4 | 1180.0 | 7.5 | 38 | 1.0 | 113.8 | 101.8 | 4480 | 34.61 | <.5 | .5 | 6.8 | .4 | 91 | .1 | .7 | 3.5 | 4 | 3.35 | .021 | 3 | 2.6 | .58 | 2 | .001 | <.1 | .74 | .001 | <.01 | .4 | .01 | 1.5 | <.1 | 16.00 | 2 | 3.2 |
| 03020 | 1.0 | 13.4 | 2.1 | 6 | <.1 | 11.7 | 9.4 | 145 | .99 | 7.6 | .3 | .8 | .5 | 4 | <.1 | .1 | .2 | 1 | .11 | .002 | 1 | 5.7 | .02 | 5 | .001 | <.1 | .05 | .013 | .01 | 1.2 | <.01 | .7 | <.1 | .16 | <.1 | <.5 |
| 03021 | 1.7 | 26.6 | 13.9 | 17 | .1 | 25.9 | 10.0 | 1004 | 2.38 | 1.0 | .4 | .6 | .4 | 71 | .1 | .1 | .2 | 1 | 2.12 | .005 | 1 | 5.6 | .38 | 13 | .001 | <.1 | .04 | .003 | .03 | 1.2 | .01 | 1.6 | <.1 | .08 | <.1 | <.5 |
| 03022 | 1.2 | 6.0 | 27.3 | 7 | <.1 | 6.4 | 9.7 | 2612 | 1.85 | 4.5 | .9 | 1.3 | .7 | 2075 | <.1 | .1 | .3 | <.1 | 31.71 | .020 | 5 | <.1 | .73 | 5 | <.001 | <.1 | .04 | .003 | .01 | .2 | <.01 | 1.0 | <.1 | .13 | <.1 | .5 |
| STANDARD DS4 | 6.9 | 125.0 | 31.7 | 158 | .3 | 34.6 | 11.8 | 795 | 3.19 | 23.1 | 6.1 | 27.6 | 3.5 | 29 | 5.2 | 4.8 | 4.9 | 74 | .54 | .089 | 17 | 164.1 | .59 | 138 | .086 | 1 | 1.79 | .032 | .15 | 3.8 | .29 | 3.5 | 1.1 | <.05 | 6 | 1.4 |

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 25 2003

DATE REPORT MAILED: July 4/03

SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABS LTD.

852 E. Hastings St., Vancouver, BC
CANADA V6A 1R6

Confirmation of Request for Analyses

(Please DO NOT fax back to ACME unless there are changes to be made.)

File #: A302617

Date: Jul 16 2003

| | |
|---|---|
| To: Name: <u>Doug Symonds</u> Company: <u>Sydney Resource Corporation</u> Fax: <u>(604) 669-5193</u> Project: _____ | From: Name: <u>Clarence/Jacky</u> Phone: <u>(604)253-3158, 1-800-990-2263</u> Fax: <u>(604)253-1716</u> e-mail: <u>tech@acmelab.com</u> |
|---|---|

of Samples: 36 Sample type: ROCK R150 60 Date Received: Jul 16 2003

First sample name: 03-01 Last sample name: 03-61

Analysis Requested: Giox 15g

(Please review carefully and notify us of any changes to be made.)

Estimated date of completion: July 24/03

STORAGE:** Coarse rejects (free for 3 months, from date received; unless we received instructions regarding storage, we will begin invoicing at the end of three months.)

** Pulps (free for one year, from date received)

Please note: the following missing/extra samples were noted in the sample sequence.

Missing Samples: _____

- Do you want us to hold analysis until the samples are received?

Hold analysis ** Missing samples will be sent to Acme on _____
 Proceed with analysis

Extra Samples: _____

Discard/ disregard extra samples
 Include extra samples in analysis Date: _____

Authorizing Name or Signature Required



GEOCHEMICAL ANALYSIS CERTIFICATE

Sydney Resource Corporation File # A302617 Page 1

1550 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Doug Symonds

Table with columns for SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga, Se. Rows include sample IDs like 03101, 03102, etc., and a STANDARD DS5 row at the bottom.

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS. UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. - SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 16 2003 DATE REPORT MAILED: July 30/03 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | 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 | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|
| 03159 | .4 | 381.9 | 7.7 | 48 | 1.1 | 60.9 | 28.5 | 7868 | 25.58 | 5.7 | 1.0 | 8757.9 | 1.1 | 234 | .1 | .2 | 1.3 | 3 | 8.85 | .013 | 6 | 3.2 | 1.35 | 17 | .003 | <1 | 1.00 | .003 | .01 | .4 | .06 | 1.8 | <1 | 5.03 | 4 | .6 |
| 03160 | .3 | 18.2 | 11.4 | 10 | .1 | 15.4 | 9.1 | 1656 | 5.60 | 11.6 | 1.0 | 14.0 | 3.8 | 733 | <1 | .2 | .3 | <1 | 23.93 | .025 | 13 | 2.5 | .28 | 35 | <.001 | <1 | .18 | .006 | .02 | .1 | <.01 | 2.1 | <.1 | 1.42 | 1 | <.5 |
| 03161 | .2 | 2.6 | 11.1 | 16 | <.1 | 5.2 | 3.6 | 1661 | 4.09 | 3.7 | .3 | 6.0 | .7 | 383 | <.1 | <.1 | .2 | <1 | 13.88 | .004 | 3 | 1.0 | .87 | 28 | <.001 | <1 | .03 | .003 | .01 | <.1 | .01 | 1.7 | <.1 | <.05 | <1 | <.5 |
| STANDARD DS5 | 12.7 | 139.8 | 25.5 | 139 | .3 | 24.2 | 11.9 | 772 | 2.85 | 16.2 | 6.1 | 43.0 | 2.7 | 47 | 5.4 | 3.9 | 6.0 | 59 | .72 | .092 | 12 | 182.4 | .66 | 132 | .091 | 15 | 1.98 | .033 | .14 | 4.9 | .16 | 3.5 | 1.1 | <.05 | 6 | 4.9 |

Sample type: ROCK R150 60C.

ACME ANALYTICAL LABS LTD.852 E. Hastings St., Vancouver, BC
CANADA V6A 1R6**Confirmation of Request for Analyses***(Please DO NOT fax back to ACME unless there are changes to be made.)*File #: **A302617R**Date: **Aug 1 2003**

To:
Name: Doug Symonds
Company: Sydney Resource Corporation
Fax: (604) 669-5193
Project: _____

From:
Name: Clarence/Jacky
Phone: (604)253-3158, 1-800-990-2263
Fax: (604)253-1716
e-mail: tech@acmelab.com

of Samples: 3 Sample type: **ROCK PULP** Date Received: AUG 1 03First sample name: **03150** Last sample name: **03159**Analysis Requested: G6-gold*(Please review carefully and notify us of any changes to be made.)*Estimated date of completion: Aug 12/03**STORAGE:**** Coarse rejects (free for 3 months, from date received; unless we received instructions regarding storage, we will begin invoicing at the end of three months.)

** Pulps (free for one year, from date received)

 Please note: the following missing/extra samples were noted in the sample sequence. Missing Samples: _____

- Do you want us to hold analysis until the samples are received?

 Hold analysis ** Missing samples will be sent to Acme on _____ Proceed with analysis Extra Samples: _____ Discard/ disregard extra samples Include extra samples in analysis

Date: _____

Authorizing Name or Signature Required



ASSAY CERTIFICATE



Sydney Resource Corporation
1550 - 355 Burrard St., Vancouver BC V6C 2G8

File # A302617R
Submitted by: Doug Symonds

| SAMPLE# | Au** gm/mt |
|---------------|---------------|
| 03150 | 8.69 |
| 03151 | 4.57 |
| 03159 | 10.06 |
| STANDARD AU-1 | 3.29 |

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: AUG 1 2003

DATE REPORT MAILED:

Aug 12/03

SIGNED BY:

C. Leong

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

APPENDIX III - REFERENCES

- a. Schiarizza, Paul and Ferri, Filippo; "Barkerville Terrane, Cariboo Lake to Wells: A New Look at Stratigraphy, Structure and Regional Correlations of the Snowshoe Group"; British Columbia Geological Survey; Geological Fieldwork 2002, Paper 2003-1; pp. 77-96.
- b. Burton, Alex; "Report on Recommended Exploration Program for the Simlock Creek Mining Property (Second Modified Version)"; Report on behalf of Extant Investments Inc.; June 25, 2001.
- c. Bowman, Amos; "Report on the Geology of the Mining District of Cariboo, British Columbia"; Geological and Natural History Survey of Canada; 1888; p. 46C.
- d. Mussio Ventures Ltd.; "Backroad Mapbook Volume V: The Cariboo"; First Edition (No Date); pp. 22, 30.
- e. Bowman, Amos; "Map of Placer Mines of Harvey Creek"; Geological and Natural History Survey of Canada; 1890.
- f. Energy, Mines and Resources Canada; 1:250,000 Scale Topographic Map 93A – Quesnel Lake; Third Edition; 1989.
- g. Energy, Mines and Resources Canada; 1:50,000 Scale Topographic Map 93A – Cariboo Lake; Second Edition; 1976.
- h. B.C. Ministry of Crown Lands; 1:20,000 Scale Topographic Map 93A.084; 1989.
- i. MapArt Publishing Corporation; Road Map of British Columbia; 2003 Edition.
- j. Burton, Alex; "Geochemical and Physical Assessment Report on the A Claim Group and the B Claim Group"; Assessment Report for Harvey Creek Gold Placers Ltd.; March, 1987.
- k. Symonds, D.F.; "Geochemical Assessment Report on the Simlock Creek Property"; Assessment Report for Harvey Creek Gold Placers Ltd.; November 30, 1990.
- l. Burton, Alex; "Report on the Simlock Creek Property (Second Amended Version)"; Report for Harvey Creek Gold Placers Ltd.; August 1, 1997.
- m. Burton, Alex; "Geochemical Assessment Report on the Simlock Creek Property"; Assessment Report for Harvey Creek Gold Placers Ltd.; May 25, 1993.
- n. Symonds, D.F.; "Geochemical, Geophysical and Geological Assessment Report on the Simlock Creek Property"; Assessment Report for Logan Mines Limited; December 12, 1988.
- o. Burton, Alex; "Report on the Simlock Creek Property"; Report for Northern Dynasty Explorations Ltd. (Amended Version); September 30, 1994
- p. Burton, Alex & Ryder June M.; "Geochemical Assessment Report on the Simlock Creek Property"; Assessment Report for *Harvey Creek Gold Placers Ltd.*; May 27, 1992.
- q. Simpson, J. Glen; "Trenching, Geology, Sampling and Assay Assessment Report on the Simlock Creek Property"; Assessment Report for *Harvey Creek Gold Placers Ltd.*; December, 1995.
- r. Burton, Alex; "Report on the 1984 Trenching Programs on Placer Leases 8447 to 8450 Inclusive and Placer Leases 10793 and 10794 and the HH Claim Group; Report for *Harvey Creek Gold Placers Ltd.*; April, 1984.
- s. Symonds, Doug; "Physical, Geological & Geochemical Report on the Simlock Creek Property"; Assessment Report for *Harvey Creek Gold Placers Ltd.*; January 7, 1998.

- t. British Columbia Ministry of Energy and Mines; "Mineral Tenure Act Statement of Physical Work"; January 22, 1999.
- u. Mark, David; "Geophysical Report on a Seismic Refraction Survey on Placer Leases 8447 – 8450 and the HH Claim Group, Harveys Creek. B.C.; Report for *Harvey Creek Gold Placers Ltd.*; 1983.
- v. Geological Survey of Canada; Open File Map #574; 1978.
- w. Geological Survey of Canada; Open File Map #854.
- x. Geological Survey Branch, British Columbia Ministry of Energy & Mines; *Minfile* Master Reports, Production Reports, Inventory Reports;
<http://www.minfile.com/>
- y. International Wayside Gold Mines Ltd.; "BC Vein and Bonanza Ledge Resource Calculation Complete..."; News Release; December 3, 2002.
- z. <http://www.wayside-gold.com/s/NewsReleases-2002.asp>
- aa. Symonds, D.F.; Various Internal Memos and Maps Prepared on Behalf of *Harvey Creek Gold Placers Ltd.*; 1998.
- bb. Bacon, W.R.; "Lode Gold Deposits in Western Canada"; C.I.M.M. Bulletin; July 1978.
- cc. Brown, A. Sutherland; "Geology of the Antler Creek Area"; B.C. Department of Mines; 1957.
- dd. Brown, A. Sutherland; "Geology of the Cariboo River Area"; 1963.
- ee. Struik, L.C.; "Structural Geology of the Cariboo Mining District, East-Central British Columbia; Geological Survey of Canada Memoir 421; 1988.

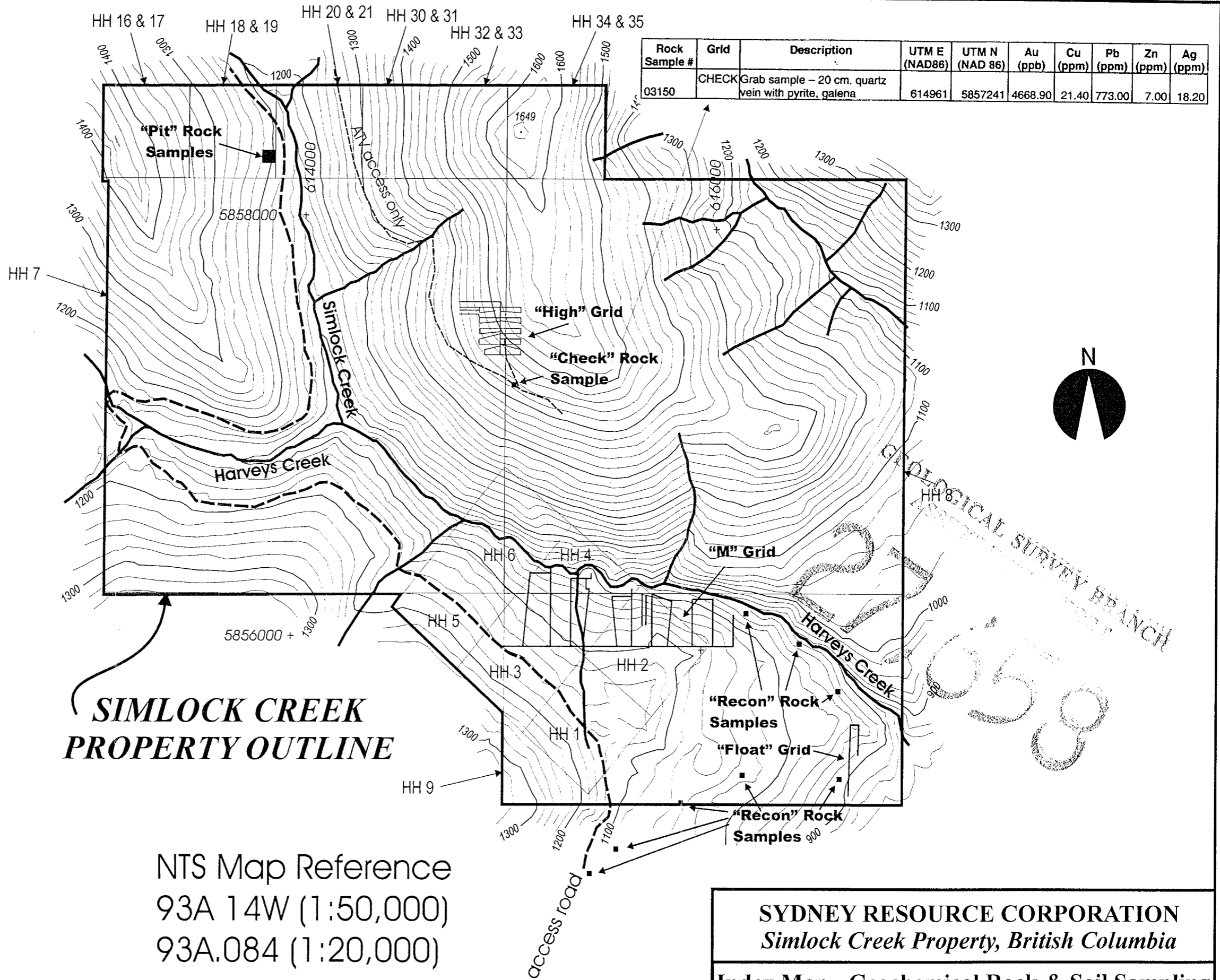
APPENDIX III - REFERENCES

- a. Schiarizza, Paul and Ferri, Filippo; "Barkerville Terrane, Cariboo Lake to Wells: A New Look at Stratigraphy, Structure and Regional Correlations of the Snowshoe Group"; British Columbia Geological Survey; Geological Fieldwork 2002, Paper 2003-1; pp. 77-96.
- b. Burton, Alex; "Report on Recommended Exploration Program for the Simlock Creek Mining Property (Second Modified Version)"; Report on behalf of Extant Investments Inc.; June 25, 2001.
- c. Bowman, Amos; "Report on the Geology of the Mining District of Cariboo, British Columbia"; Geological and Natural History Survey of Canada; 1888; p. 46C.
- d. Mussio Ventures Ltd.; "Backroad Mapbook Volume V: The Cariboo"; First Edition (No Date); pp. 22, 30.
- e. Bowman, Amos; "Map of Placer Mines of Harvey Creek"; Geological and Natural History Survey of Canada; 1890.
- f. Energy, Mines and Resources Canada; 1:250,000 Scale Topographic Map 93A – Quesnel Lake; Third Edition; 1989.
- g. Energy, Mines and Resources Canada; 1:50,000 Scale Topographic Map 93A – Cariboo Lake; Second Edition; 1976.
- h. B.C. Ministry of Crown Lands; 1:20,000 Scale Topographic Map 93A.084; 1989.
- i. MapArt Publishing Corporation; Road Map of British Columbia; 2003 Edition.
- j. Burton, Alex; "Geochemical and Physical Assessment Report on the A Claim Group and the B Claim Group"; Assessment Report for Harvey Creek Gold Placers Ltd.; March, 1987.
- k. Symonds, D.F.; "Geochemical Assessment Report on the Simlock Creek Property"; Assessment Report for Harvey Creek Gold Placers Ltd.; November 30, 1990.
- l. Burton, Alex; "Report on the Simlock Creek Property (Second Amended Version)"; Report for Harvey Creek Gold Placers Ltd.; August 1, 1997.
- m. Burton, Alex; "Geochemical Assessment Report on the Simlock Creek Property"; Assessment Report for Harvey Creek Gold Placers Ltd.; May 25, 1993.
- n. Symonds, D.F.; "Geochemical, Geophysical and Geological Assessment Report on the Simlock Creek Property"; Assessment Report for Logan Mines Limited; December 12, 1988.
- o. Burton, Alex; "Report on the Simlock Creek Property"; Report for Northern Dynasty Explorations Ltd. (Amended Version); September 30, 1994
- p. Burton, Alex & Ryder June M.; "Geochemical Assessment Report on the Simlock Creek Property"; Assessment Report for *Harvey Creek Gold Placers Ltd.*; May 27, 1992.
- q. Simpson, J. Glen; "Trenching, Geology, Sampling and Assay Assessment Report on the Simlock Creek Property"; Assessment Report for *Harvey Creek Gold Placers Ltd.*; December, 1995.
- r. Burton, Alex; "Report on the 1984 Trenching Programs on Placer Leases 8447 to 8450 Inclusive and Placer Leases 10793 and 10794 and the HH Claim Group; Report for *Harvey Creek Gold Placers Ltd.*; April, 1984.
- s. Symonds, Doug; "Physical, Geological & Geochemical Report on the Simlock Creek Property"; Assessment Report for *Harvey Creek Gold Placers Ltd.*; January 7, 1998.

- t. British Columbia Ministry of Energy and Mines; "Mineral Tenure Act Statement of Physical Work"; January 22, 1999.
- u. Mark, David; "Geophysical Report on a Seismic Refraction Survey on Placer Leases 8447 – 8450 and the HH Claim Group, Harveys Creek, B.C.; Report for *Harvey Creek Gold Placers Ltd.*; 1983.
- v. Geological Survey of Canada; Open File Map #574; 1978.
- w. Geological Survey of Canada; Open File Map #854.
- x. Geological Survey Branch, British Columbia Ministry of Energy & Mines; *Minfile* Master Reports. Production Reports. Inventory Reports:
<http://www.minfile.com/>
- y. International Wayside Gold Mines Ltd.; "BC Vein and Bonanza Ledge Resource Calculation Complete..."; News Release; December 3, 2002.
- z. <http://www.wayside-gold.com/s/NewsReleases-2002.asp>
- aa. Symonds, D.F.; Various Internal Memos and Maps Prepared on Behalf of *Harvey Creek Gold Placers Ltd.*; 1998.
- bb. Bacon, W.R.; "Lode Gold Deposits in Western Canada"; *C.I.M.M. Bulletin*; July 1978.
- cc. Brown, A. Sutherland; "Geology of the Antler Creek Area"; B.C. Department of Mines; 1957.
- dd. Brown, A. Sutherland; "Geology of the Cariboo River Area"; 1963.
- ee. Struik, L.C.; "Structural Geology of the Cariboo Mining District, East-Central British Columbia; Geological Survey of Canada Memoir 421; 1988.

| Sampling Summary | |
|------------------|---------------------|
| "M" Grid | 155 soils, 22 rocks |
| "High" Grid | 109 soils, 0 rocks |
| "Float" Grid | 22 soils, 3 rocks |
| "Pit" Samples | 0 soils, 11 rocks |
| "Check" Samples | 0 soils, 1 rock |
| "Recon" Samples | 0 soils, 11 rocks |

| Legend | |
|--|---------------------|
| UTM Reference (NAD83 Datum) | 614000 5858000 + |
| Claim Name (Claim location from published claim map) | HH 7 |
| Contour Interval 20m (Redrawn from 1:20,000 scale topographic map) | |



**SIMLOCK CREEK
PROPERTY OUTLINE**

NTS Map Reference
93A 14W (1:50,000)
93A.084 (1:20,000)

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

Index Map - Geochemical Rock & Soil Sampling

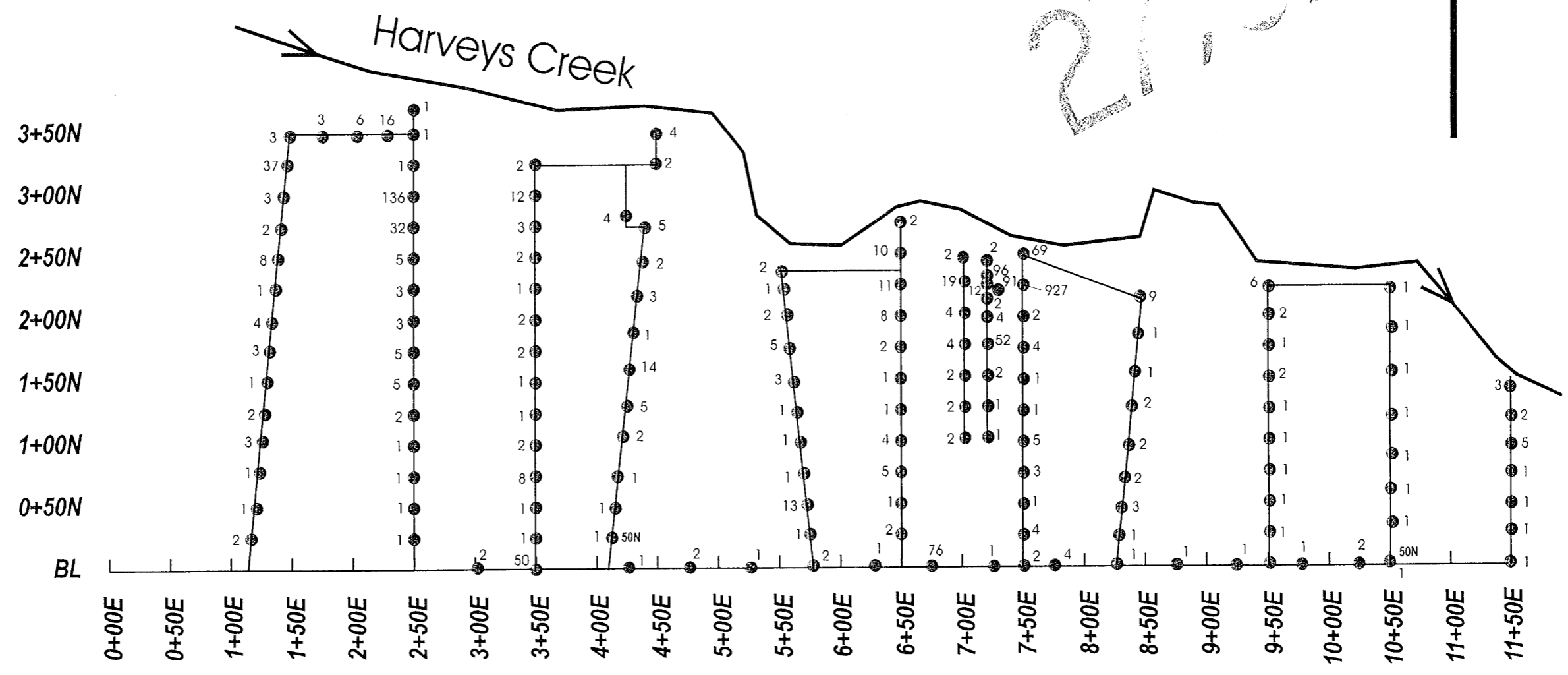
To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

0 200 400 600 800 1000 meters

Fig. 5

GEOLOGICAL SURVEY BRANCH
ASSESSMENT PROJECT

27,338



Please see index map (Fig. 5)
for location of grid with respect
to claims

"M Grid" is on claims HH2, 3, 4, 5, 6, 8 & 9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Baseline (BL) 0+00E is:
UTM Northing: 5855987
UTM Easting: 615132

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"M" Grid - Soil Geochemistry (Gold - ppb)

To Accompany a Report by Doug Symonds, P.Geo.
Dated October 15, 2004

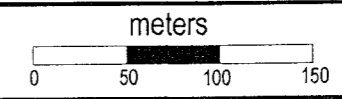
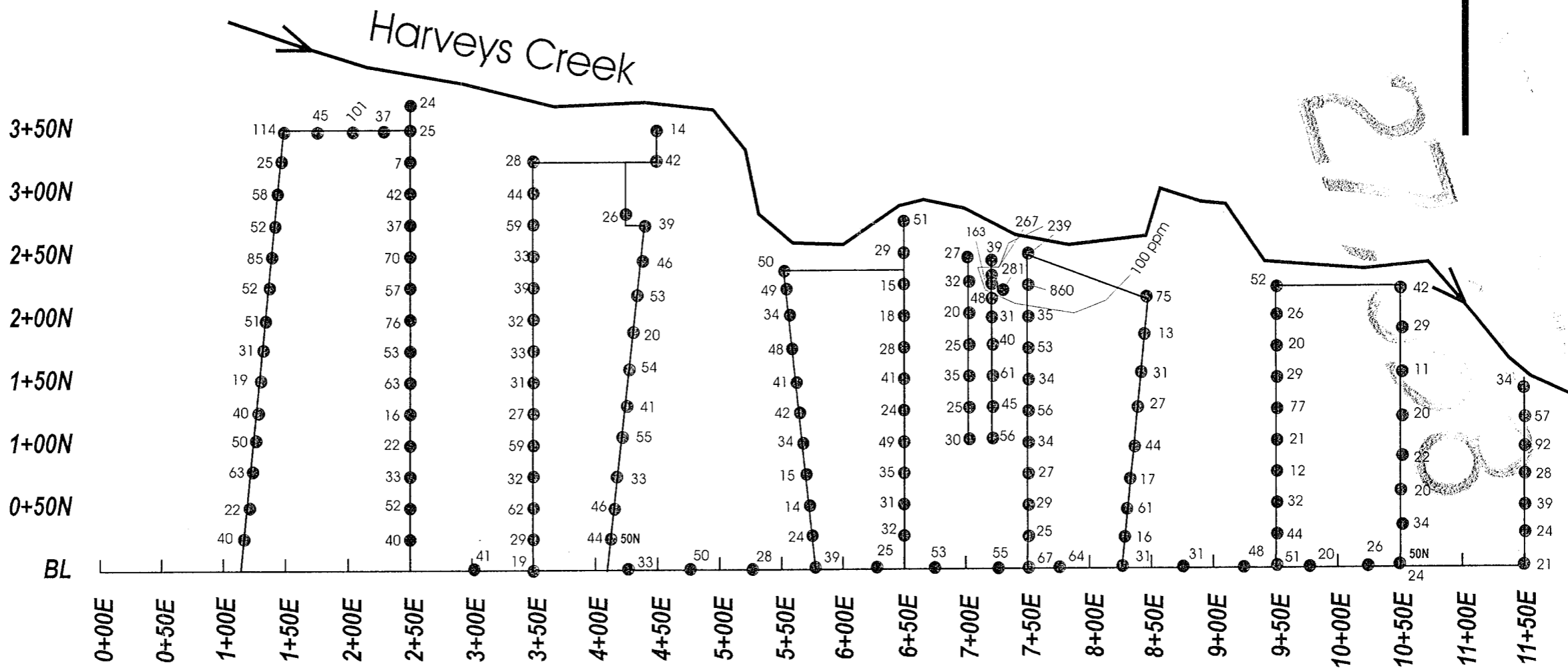


Fig. - 9A



Please see index map (Fig. 5)
for location of grid with respect
to claims

"M Grid" is on claims HH2, 3, 4, 5, 6, 8 & 9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Baseline (BL) 0+00E is:
UTM Northing: 5855987
UTM Easting: 615132

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"M" Grid - Soil Geochemistry (Copper - ppm)

To Accompany a Report by Doug Symonds, P.Geo.
Dated October 15, 2004

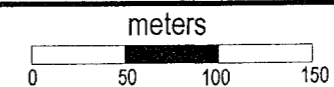
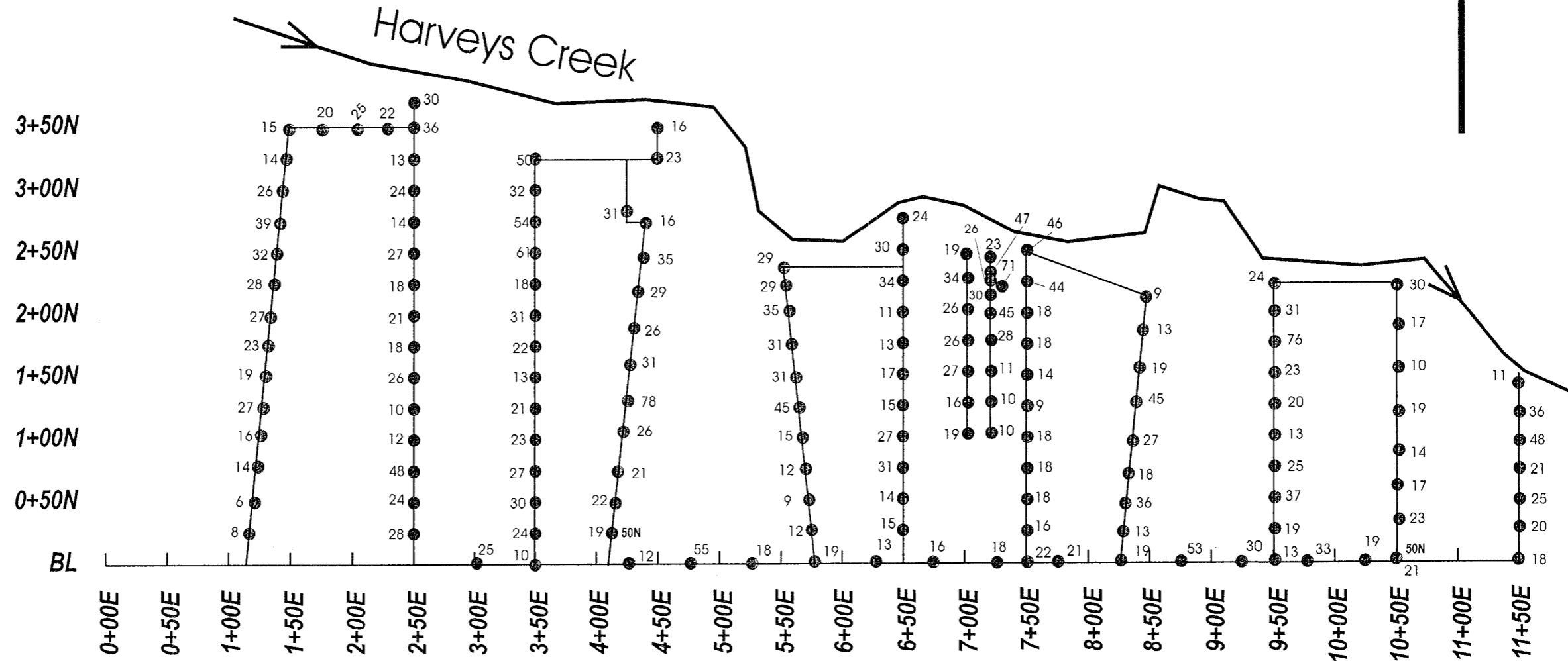


Fig. - 9B

27,55



Please see index map (Fig. 5)
for location of grid with respect
to claims

"M Grid" is on claims HH2, 3, 4, 5, 6, 8 & 9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Baseline (BL) 0+00E is:
UTM Northing: 5855987
UTM Easting: 615132

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"M" Grid - Soil Geochemistry (Lead - ppm)

To Accompany a Report by Doug Symonds, P.Geo.
Dated October 15, 2004

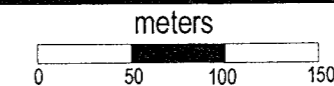
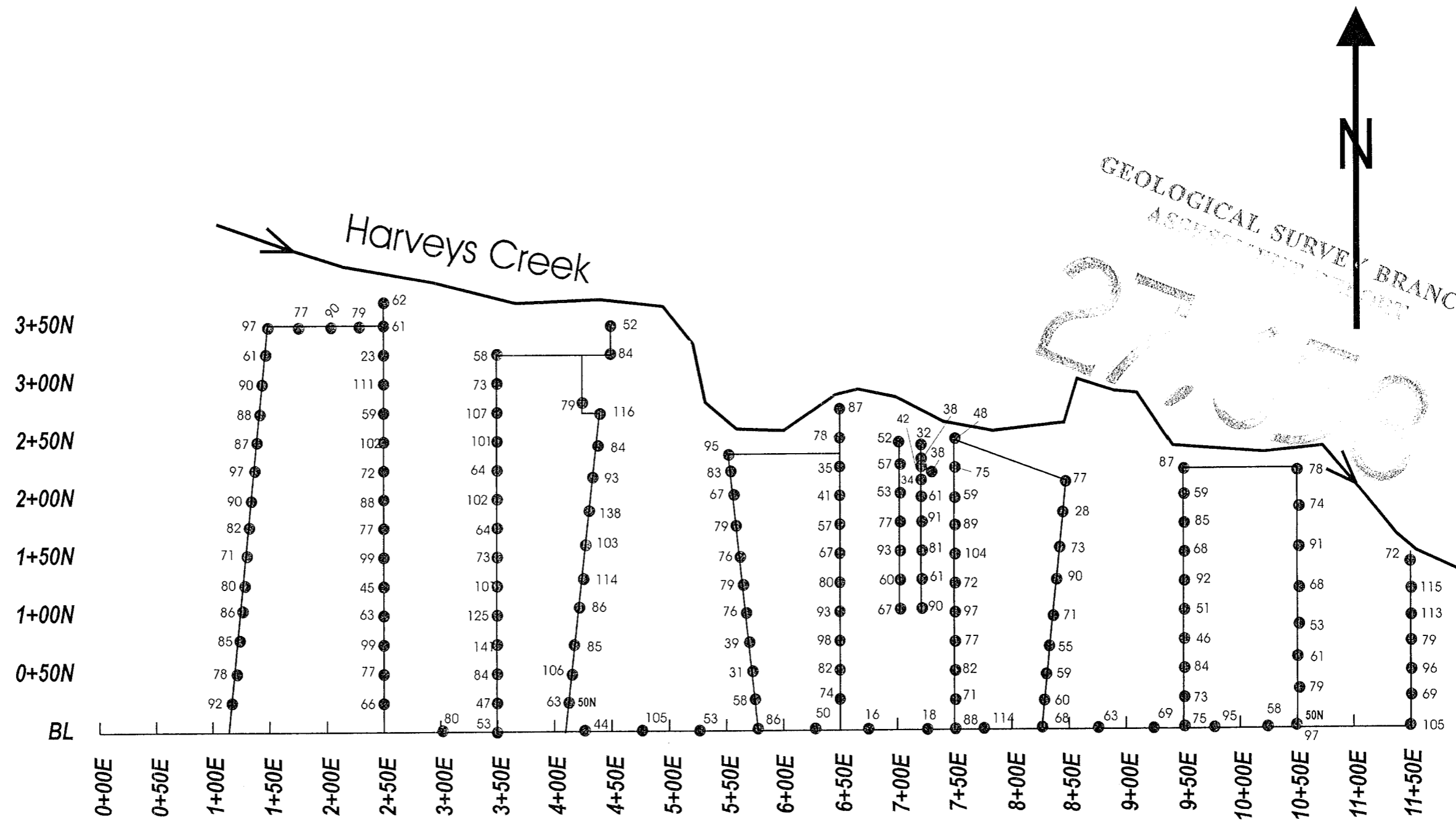


Fig. - 9C

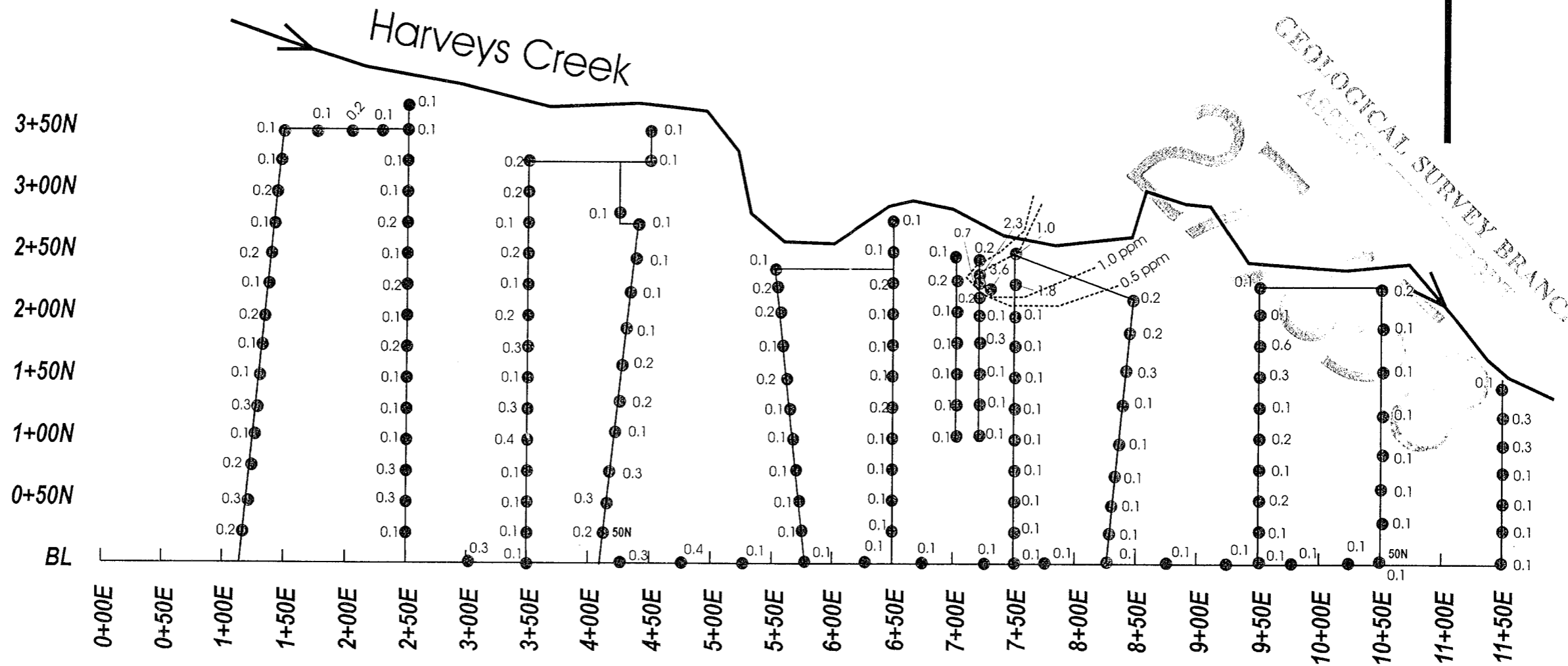


Please see index map (Fig. 5)
for location of grid with respect
to claims

"M Grid" is on claims HH2, 3, 4, 5, 6, 8 & 9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Baseline (BL) 0+00E is:
UTM Northing: 5855987
UTM Easting: 615132

| | |
|---|---|
| SYDNEY RESOURCE CORPORATION <i>Simlock Creek Property, British Columbia</i> | |
| "M" Grid - Soil Geochemistry (Zinc - ppm) | |
| To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004 | <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 5px;">0</div> <div style="flex-grow: 1; border-bottom: 1px solid black; position: relative;"> <div style="position: absolute; right: -50px; top: -5px;">meters</div> <div style="position: absolute; left: 50%; transform: translate(-50%, -50%);">50</div> <div style="position: absolute; right: 0; top: -5px;">100</div> <div style="position: absolute; right: -50px; top: 5px;">150</div> </div> </div> |
| Fig. - 9D | |



Please see index map (Fig. 5)
for location of grid with respect
to claims

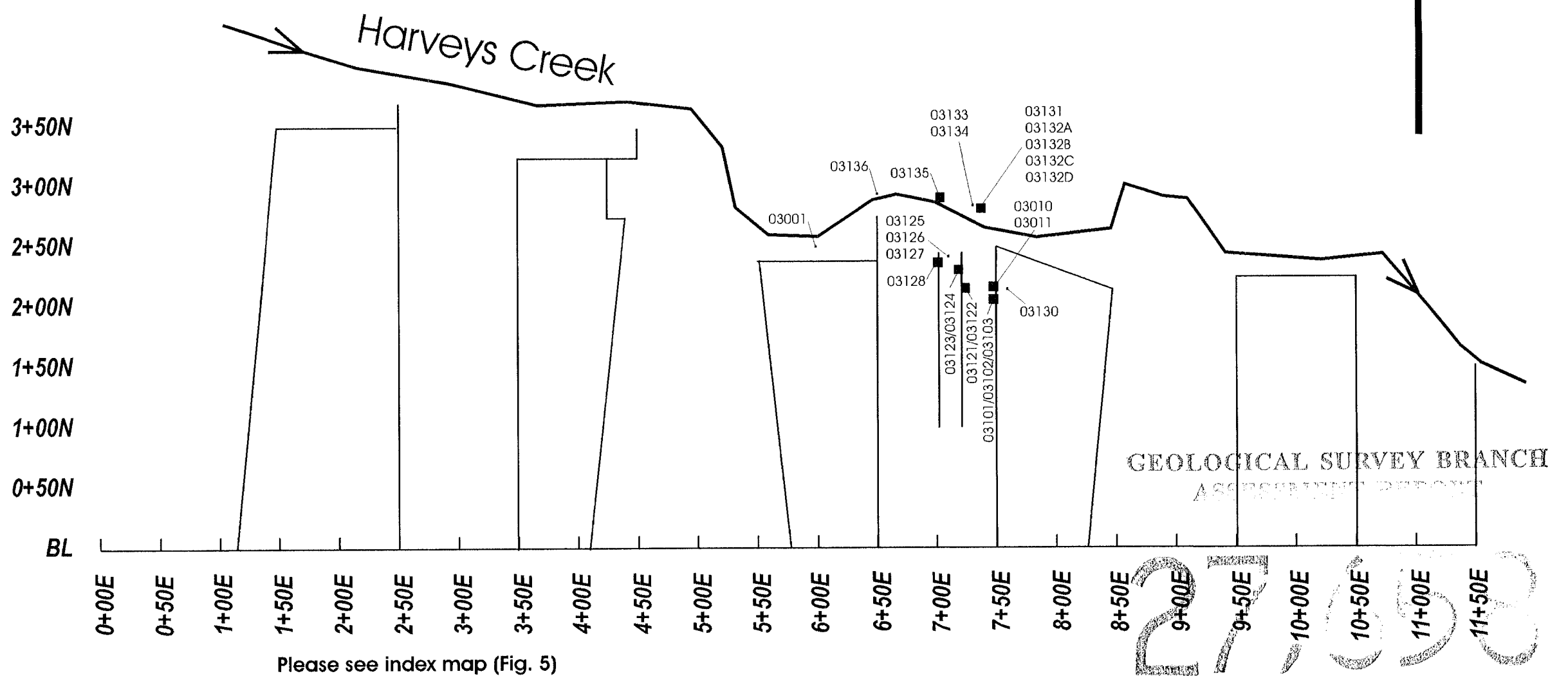
"M Grid" is on claims HH2, 3, 4, 5, 6, 8 &
9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Baseline (BL) 0+00E is:
UTM Northing: 5855987
UTM Easting: 615132

| | |
|---|--|
| SYDNEY RESOURCE CORPORATION | |
| <i>Simlock Creek Property, British Columbia</i> | |
| "M" Grid - Soil Geochemistry (Silver - ppm) | |
| To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004 | |
| Fig. - 9E | |

| Rock Sample # | Grid | Description | UTM E (NAD86) | UTM N (NAD 86) | Au (ppb) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppm) |
|---------------|------|--|---------------|----------------|----------|----------|----------|----------|----------|
| 03001 | M | Grab sample – quartz sericite schist with biotite, ankerite & slate inclusions | 615585 | 5856283 | 1.00 | 4.60 | 13.90 | 11.00 | 0.10 |
| 03010 | M | Grab sample – massive sulphide zone with pyrrhotite, pyrite; siliceous, calcareous, ankeritic | 615760 | 5856228 | 15.70 | 453.20 | 29.10 | 40.00 | 1.00 |
| 03011 | M | Grab sample – massive sulphide zone with pyrrhotite, pyrite; siliceous, calcareous, ankeritic; same location as #03010 | 615760 | 5856228 | 6.80 | 485.90 | 24.70 | 39.00 | 1.00 |
| 03101 | M | Grab sample – massive sulphide zone (pyrite, pyrrhotite) | 615760 | 5856218 | 7.10 | 729.50 | 24.80 | 39.00 | 1.10 |
| 03102 | M | Grab sample – massive sulphide zone (pyrite, pyrrhotite); Same location as #03101 | 615760 | 5856218 | 12.70 | 966.90 | 28.90 | 38.00 | 1.40 |
| 03103 | M | Grab sample – massive sulphide zone (pyrite, pyrrhotite); Same location as #03101 | 615760 | 5856218 | 0.80 | 5.20 | 12.20 | 6.00 | 0.10 |
| 03121 | M | Grab sample – massive sulphide (pyrite, pyrrhotite) | 615735 | 5856227 | 9.50 | 461.90 | 24.20 | 34.00 | 1.20 |
| 03122 | M | Grab sample – massive sulphide (pyrite, pyrrhotite); same location as #03121 | 615735 | 5856227 | 14.30 | 684.50 | 24.10 | 38.00 | 1.40 |
| 03123 | M | Grab sample – massive pyrite, pyrrhotite | 615730 | 5856242 | 14.00 | 396.90 | 27.20 | 33.00 | 1.30 |
| 03124 | M | Grab sample – massive pyrite, pyrrhotite; same location as #03123 | 615730 | 5856242 | 15.40 | 347.80 | 36.90 | 39.00 | 1.70 |
| 03125 | M | Grab sample – narrow quartz vein with trace of pyrite & chalcopyrite? | 615720 | 5856252 | 2.90 | 87.40 | 3.40 | 11.00 | 0.30 |
| 03126 | M | Grab sample – narrow quartz vein with trace of pyrite & chalcopyrite? Same location as #03125 | 615720 | 5856252 | 9.30 | 68.80 | 5.70 | 9.00 | 0.30 |
| 03127 | M | Grab sample – narrow quartz vein with trace of pyrite & chalcopyrite? Same location as # 03125 | 615720 | 5856252 | 1.20 | 29.10 | 10.40 | 35.00 | 0.20 |

| Rock Sample # | Grid | Description | UTM E (NAD86) | UTM N (NAD 86) | Au (ppb) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppm) |
|---------------|------|--|---------------|----------------|----------|----------|----------|----------|----------|
| 03128 | M | Grab sample – disseminated & massive pyrite | 615710 | 5856247 | 8.50 | 154.50 | 18.30 | 35.00 | 0.90 |
| 03130 | M | Grab sample – silicified material from old sluffed adit | 615770 | 5856227 | 2.00 | 14.00 | 6.00 | 56.00 | 0.10 |
| 03131 | M | Grab sample – sulphide zone (pyrite, pyrrhotite) | 615745 | 5856302 | 6.80 | 71.90 | 5.90 | 177.00 | 0.30 |
| 03132A | M | Chip sample – 50 cm. disseminated & massive sulphides (pyrite, pyrrhotite) & quartz veining (part of 200 cm wide zone) | 615745 | 5856302 | 48.70 | 62.00 | 6.40 | 46.00 | 0.20 |
| 03132B | M | Chip sample – 50 cm. disseminated & massive sulphides (pyrite, pyrrhotite) & quartz veining (part of 200 cm wide zone) | 615745 | 5856302 | 2.80 | 3.40 | 22.80 | 32.00 | 0.10 |
| 03132C | M | Chip sample – 50 cm. disseminated & massive sulphides (pyrite, pyrrhotite) & quartz veining (part of 200 cm wide zone) | 615745 | 5856302 | 1.60 | 3.20 | 21.10 | 12.00 | 0.10 |
| 03132D | M | Chip sample – 50 cm. disseminated & massive sulphides (pyrite, pyrrhotite) & quartz veining (part of 200 cm wide zone) | 615745 | 5856302 | 4.60 | 25.90 | 14.40 | 21.00 | 0.10 |
| 03133 | M | Chip sample – 36 cm. with pyrite, pyrrhotite | 615740 | 5856302 | 31.70 | 88.10 | 7.90 | 98.00 | 0.30 |
| 03134 | M | Grab sample – narrow quartz vein with pyrite, pyrrhotite | 615740 | 5856302 | 40.50 | 87.20 | 6.50 | 81.00 | 0.30 |
| 03135 | M | Grab sample – pyrite, pyrrhotite | 615710 | 5856327 | 9.40 | 244.50 | 21.70 | 36.00 | 1.20 |
| 03136 | M | Grab sample – float material | 615660 | 5856322 | 6.80 | 212.10 | 13.70 | 30.00 | 0.80 |



Massive pyrite/pyrrhotite occurrences marked with ■

Please see index map (Fig. 5) for location of grid with respect to claims

"M Grid" is on claims HH2, 3, 4, 5, 6, 8 & 9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location of Baseline (BL) 0+00E is:
UTM Northing: 5855987
UTM Easting: 615132

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

"M" Grid - Rock Sampling

To Accompany a Report by Doug Symonds, P.Geo.
Dated October 15, 2004

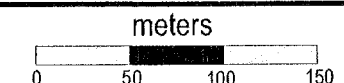
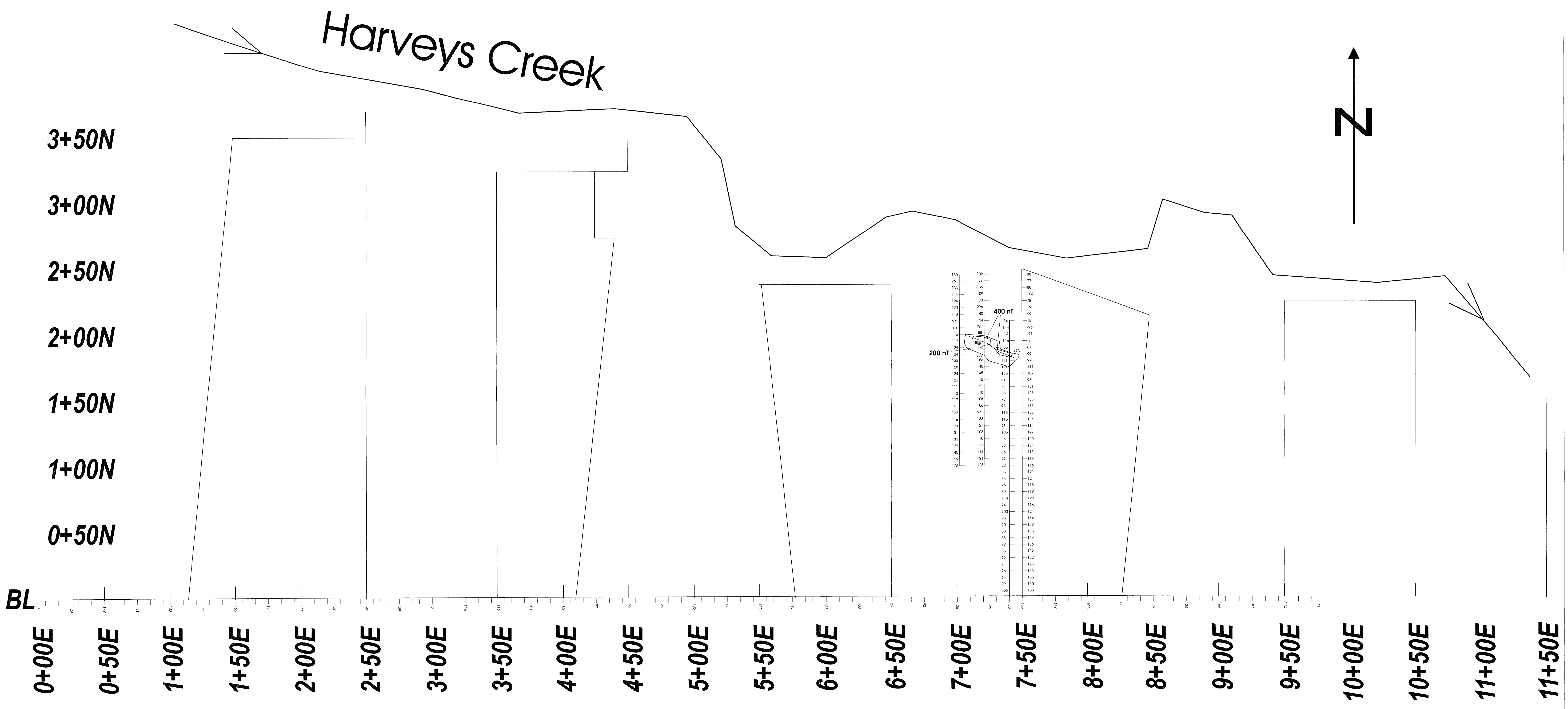


Fig. - 10



Please see index map (Fig. 5)
for location of grid with respect
to claims

"M Grid" is on claims HH2, 3, 4, 5, 6, 8 & 9
NTS Map Reference 93A 14W (1:50,000)
93A.084 (1:20,000)

Spot UTM (NAD 83 Datum) at location
of Baseline (BL) 0+00E is:
UTM Northing: 5855987
UTM Easting: 615132

Magnetic Survey using Scintrex MP-2 Proton Precession Magnetometer

A value of 56,856 nT (the value at BL 0+00E) was subtracted from all
corrected readings before plotting

SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

GEOLOGICAL SURVEY BRANCH
27558

"M" Grid - Ground Magnetic Survey (nT)

To Accompany a Report by Doug Symonds, P.Geo.
Dated October 15, 2004

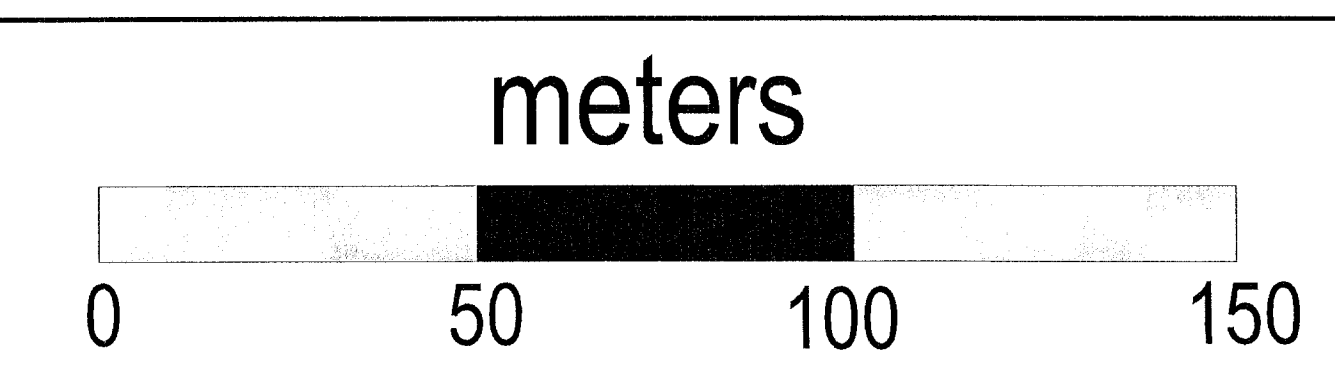
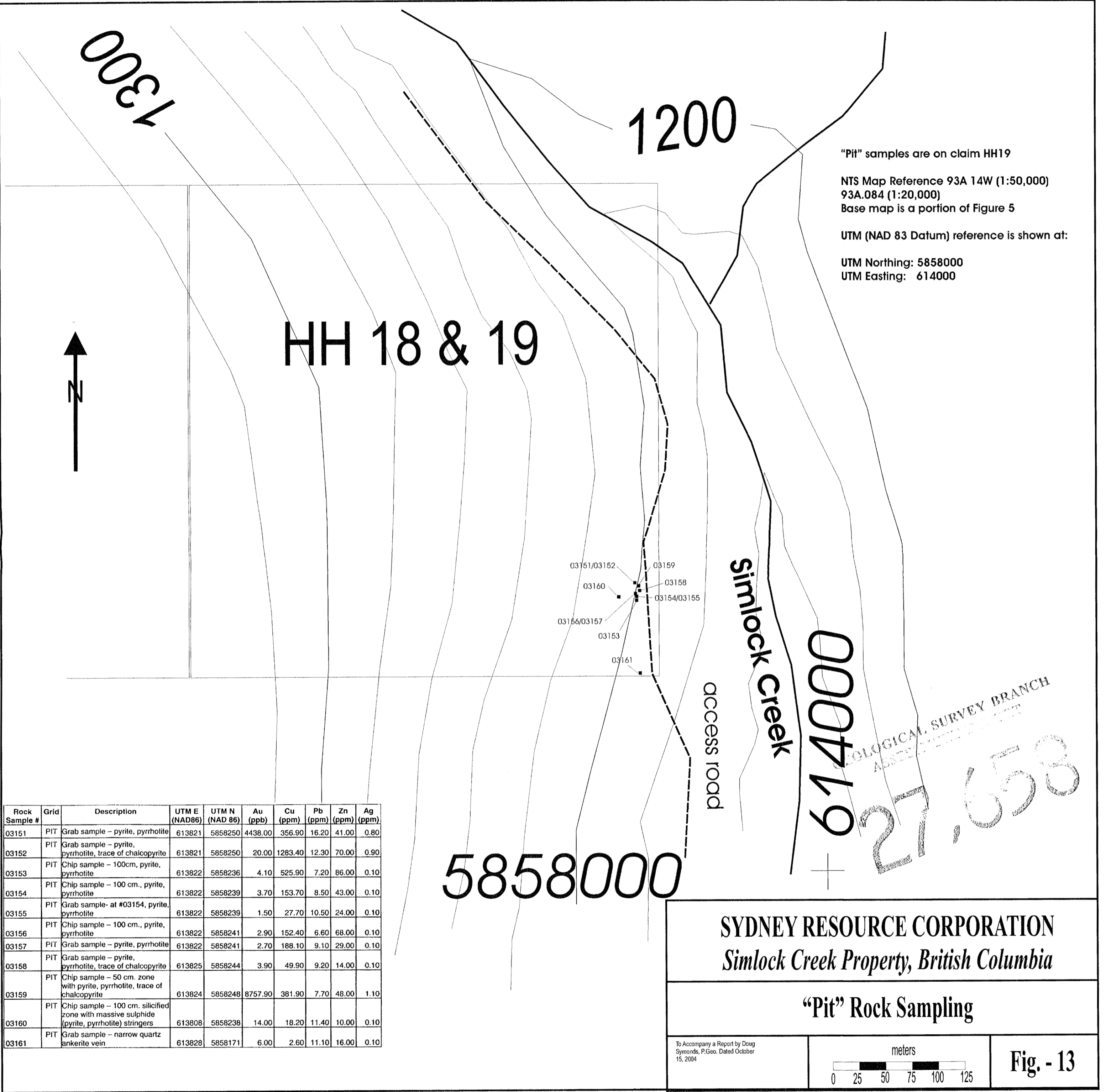


Fig. - 11



"Pit" samples are on claim HH19
 NTS Map Reference 93A 14W (1:50,000)
 93A.084 (1:20,000)
 Base map is a portion of Figure 5
 UTM (NAD 83 Datum) reference is shown at:
 UTM Northing: 5858000
 UTM Easting: 614000

HH 18 & 19

1300

1200



03151/03152
 03159
 03158
 03154/03155
 03160
 03156/03157
 03153
 03161

Simlock Creek

access road

614000

LOGICAL SURVEY BRANCH
 ABSTRACT

27,658

5858000

| Rock Sample # | Grid | Description | UTM E (NAD86) | UTM N (NAD 86) | Au (ppb) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppm) |
|---------------|------|--|---------------|----------------|----------|----------|----------|----------|----------|
| 03151 | PIT | Grab sample - pyrite, pyrrhotite | 613821 | 5858250 | 4438.00 | 356.90 | 16.20 | 41.00 | 0.80 |
| 03152 | PIT | Grab sample - pyrite, pyrrhotite, trace of chalcopyrite | 613821 | 5858250 | 20.00 | 1283.40 | 12.30 | 70.00 | 0.90 |
| 03153 | PIT | Chip sample - 100cm, pyrite, pyrrhotite | 613822 | 5858236 | 4.10 | 525.90 | 7.20 | 86.00 | 0.10 |
| 03154 | PIT | Chip sample - 100 cm., pyrite, pyrrhotite | 613822 | 5858239 | 3.70 | 153.70 | 8.50 | 43.00 | 0.10 |
| 03155 | PIT | Grab sample- at #03154, pyrite, pyrrhotite | 613822 | 5858239 | 1.50 | 27.70 | 10.50 | 24.00 | 0.10 |
| 03156 | PIT | Chip sample - 100 cm., pyrite, pyrrhotite | 613822 | 5858241 | 2.90 | 152.40 | 6.60 | 68.00 | 0.10 |
| 03157 | PIT | Grab sample - pyrite, pyrrhotite | 613822 | 5858241 | 2.70 | 188.10 | 9.10 | 29.00 | 0.10 |
| 03158 | PIT | Grab sample - pyrite, pyrrhotite, trace of chalcopyrite | 613825 | 5858244 | 3.90 | 49.90 | 9.20 | 14.00 | 0.10 |
| 03159 | PIT | Chip sample - 50 cm. zone with pyrite, pyrrhotite, trace of chalcopyrite | 613824 | 5858248 | 8757.90 | 381.90 | 7.70 | 48.00 | 1.10 |
| 03160 | PIT | Chip sample - 100 cm. silicified zone with massive sulphide (pyrite, pyrrhotite) stringers | 613808 | 5858238 | 14.00 | 18.20 | 11.40 | 10.00 | 0.10 |
| 03161 | PIT | Grab sample - narrow quartz ankerite vein | 613828 | 5858171 | 6.00 | 2.60 | 11.10 | 16.00 | 0.10 |

SYDNEY RESOURCE CORPORATION
 Simlock Creek Property, British Columbia

"Pit" Rock Sampling

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

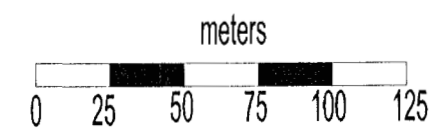


Fig. - 13

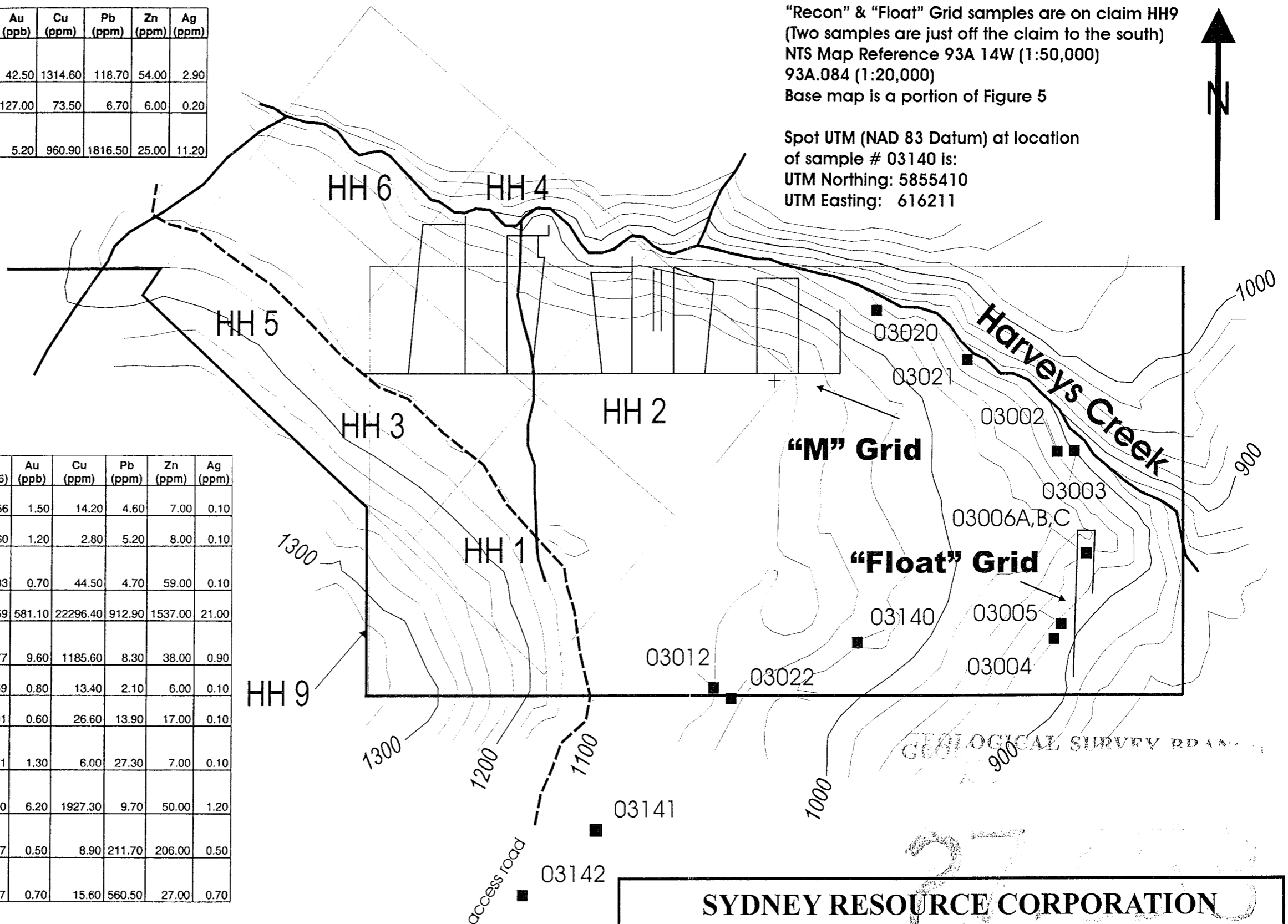
| Rock Sample # | Grid | Description | UTM E (NAD86) | UTM N (NAD 86) | Au (ppb) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppm) |
|---------------|-------|---|---------------|----------------|----------|----------|----------|----------|----------|
| 03006A | FLOAT | Chip sample – footwall of narrow quartz vein striking 128 degrees | 616734 | 5855624 | 42.50 | 1314.60 | 118.70 | 54.00 | 2.90 |
| 03006B | FLOAT | Chip sample – narrow quartz vein striking 128 degrees | 616734 | 5855624 | 127.00 | 73.50 | 6.70 | 6.00 | 0.20 |
| 03006C | FLOAT | Chip sample – hanging wall of narrow quartz vein striking 128 degrees | 616734 | 5855624 | 5.20 | 960.90 | 1816.50 | 25.00 | 11.20 |

“Recon” & “Float” Grid samples are on claim HH9
 (Two samples are just off the claim to the south)
 NTS Map Reference 93A 14W (1:50,000)
 93A.084 (1:20,000)
 Base map is a portion of Figure 5

Spot UTM (NAD 83 Datum) at location of sample # 03140 is:
 UTM Northing: 5855410
 UTM Easting: 616211



| Rock Sample # | Grid | Description | UTM E (NAD86) | UTM N (NAD 86) | Au (ppb) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppm) |
|---------------|-------|--|---------------|----------------|----------|----------|----------|----------|----------|
| 03002 | RECON | Chip sample – 20 cm quartz vein striking 162 degrees | 616667 | 5855856 | 1.50 | 14.20 | 4.60 | 7.00 | 0.10 |
| 03003 | RECON | Chip sample – 10 cm quartz vein paralleling #03002 | 616677 | 5855860 | 1.20 | 2.80 | 5.20 | 8.00 | 0.10 |
| 03004 | RECON | Grab sample – silicified, sericitic, chloritic schist zone striking 098 degrees | 616668 | 5855433 | 0.70 | 44.50 | 4.70 | 59.00 | 0.10 |
| 03005 | RECON | Grab sample – quartz float with chalcopyrite, pyrite, malachite | 616678 | 5855459 | 581.10 | 22296.40 | 912.90 | 1537.00 | 21.00 |
| 03012 | RECON | Grab sample – chloritized, silicified, biotized sulphide (pyrite, pyrrhotite) in limestone | 615881 | 5855277 | 9.60 | 1185.60 | 8.30 | 38.00 | 0.90 |
| 03020 | RECON | Grab sample – 15 cm quartz vein in schist | 616248 | 5856159 | 0.80 | 13.40 | 2.10 | 6.00 | 0.10 |
| 03021 | RECON | Grab sample – narrow quartz vein in schist | 616449 | 5856101 | 0.60 | 26.60 | 13.90 | 17.00 | 0.10 |
| 03022 | RECON | Grab sample – siliceous zone with pyrrhotite & biotite in limestone | 615927 | 5855271 | 1.30 | 6.00 | 27.30 | 7.00 | 0.10 |
| 03140 | RECON | Grab sample – sulphide stringer zone with pyrite, pyrrhotite | 616211 | 5855410 | 6.20 | 1927.30 | 9.70 | 50.00 | 1.20 |
| 03141 | RECON | Grab sample – float quartz, galena, sphalerite; silicified, ankeritic | 615620 | 5854957 | 0.50 | 8.90 | 211.70 | 206.00 | 0.50 |
| 03142 | RECON | Grab sample – narrow quartz vein, pyrrhotite, galena, sphalerite | 615452 | 5854807 | 0.70 | 15.60 | 560.50 | 27.00 | 0.70 |



SYDNEY RESOURCE CORPORATION
Simlock Creek Property, British Columbia

“Float” Grid & “Recon” Rock Sampling

To Accompany a Report by Doug Symonds, P.Geo. Dated October 15, 2004

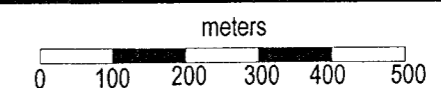


Fig. - 14