CRA EXPLORATION PTY. LIMITED MINES DEPT GSC014640CA GSC O1 CA MT. SURPRISE A TO P 3973M, GEORGETOWN AREA, NTH. QLD. FIFTH SIX MONTHS OF TENURE 7/12/86 TO 6/6/87 AND FINAL REPORT GOLD AND BASE METAL EXPLORATIO N Author : D.O. Mason Submitted to J.V. Main Date : Copies to August, 1987 Department of CRAE CRAE CRAE Library, Library, Library, Mines , Qld Canberra Brisbane Townsville Submitted by : Accepted by Report No. 14630 The contents of this report remain the property of CRA Exploration Pty. Limited and may not be published in whole or in part nor used in a company prospectus without the written consent of the Company. CONTENTS Page No. SUMMARY 1 INTRODUCTION 2 PREVIOUS WORK 3 4- WORK CONDUCTED DURING REPORTING 4 PERIOD 7/12/86 TO 6/6/87 i REINTERPRETATION OF THE 4 SIROTEM SURVEY I 4.1.1. Interpretation 4 Summary 6 Recommendations 6 FOLLOW-UP OF CN LEACH GOLD ANOMALIES 7 WORK CONDUCTED DURING THE TENURE 8 OF A TO P 3973M ’ 5.1. ROCK CHIP/GRAB SAMPLING 8 GRIDDING AND MAPPING 9 GROUND MAGNETICS 10 j 5.4. PERCUSSION DRILLING 11 SIROTEM SURVEY 12 REGIONAL STREAM SEDIMENT SAMPLING 18 CONCLUSIONS AND RECOMMENDATIONS 19 LIST OF REFERENCES 20 ■ KEYWORDS 21 LOCATION 21 i : LIST OF APPENDICES 21 22 LIST OF PLANS 1. SUMMARY Authority to Prospect 3973M was originally applied for to search for diamondiferous kimberlites, but the area has now potential. Early work defined a zone of gossanous quartz-gahnite horizons at the Chablis, Riesling and Burgundy prospects near Fever and Ague Creek. These zones were gridded, mapped, surveyed with ground magnetics, and percussion drilled. The results were disappointing. A SIROTEM survey was completed over the area to test for again disappointing and indicated no near-surface, large tonnage conductor. Reg ional stream sediment surveys were completed over A to P 3973M to test for both base metal, trace element indicators, and gold potential. The results from the -30 mesh stream sediments indicated no major anomalous catchments. The results from the -6mm stream gravels assayed by the bulk cyanide leach method showed initial encouraging values. Follow-up sampling and traversing downgraded most anomalies and the best repeatable anomaly was traced to a narrow ferruginous quartz vein carrying low gold values. It is recommended that no further work be done in the area and that A to P 3973M be relinquished immediately. .2 2. INTRODUCTION Prospect 3973M Exploration Pty. Limited Authority to CRA "Mt. Surprise" the 7th on June was granted to 1985. The A to P was selected kimberlites in the Mt to search for diamondi fe rous A to P 3973M CRAE has area to host base metal Surprise also appraised or gold During the tenure of the potential of the deposits. area. A literature search noted the stream sediment anomaly never been followed-up Company, 1971). occurrence at of an Cu/Pb/Zn Creek that had and Exploration CRAE geologists located the source Initial reconnaissance by and recognised the base metal potential of of the anomaly the area The areas with surveyed with a The results potential of base metal gossans ground magnetometer, and were disappointing and was checked with a the area mapped, were gridded, percussion drilled, the whole strike SIROTEM survey. work the potential of the granites, to host During this Einasleigh gold mineralisation was checked with a regional bulk cyanide leach and stream sediment sampling programme. phase of Metamorphics, and regional structures This report summarises of tenure to 6th June, exploration activities the work during 1987 and all the the last six months base metal and gold during the tenure of A to P 3973M. 3. PREVIOUS WORK Little previous exploration has been conducted in the area. The Tipperary Land and Exploration Company reported in 1971 that they had collected and assayed 5000 stream sediment samples. However, location maps were not included. An air borne radiometric and aeromagnetic survey was also reported to have been undertaken. They reported that the only stream anomaly of any size (Pb/Zn/Cu) occurred on the eastern side of Fever and Ague Creek but was not checked due to adverse weather (13° 13’/144° 16’). This is the area ground-checked by CRAE personnel and recognised as a base metal prospect with stratiform gossanous guartz-gahnite horizons. most of the area Geopeko held title to Surprise A to P 3973M during 1981/1982 magnetic and ai rborne radiometric covered survey by the Mt They conducted an Due to staff anomalies restrictions a consultant was hired to ground check fifteen selected aeromagnetic Minor ground magnetic traversing and sampling were undertaken and all areas down graded No anomalies were encountered by the consultant during a scan of the analogue records of the airborne radiometric survey conducted by Geopeko in 1981. The Regional Geology Mapping Group of the GSQ has recently mapped the area at 1:25,000 scale. Widely spaced geological traversing was combined with photo-interpretation. An increase in metamorphic grade from east to west has been noted in the area and ranges from low-middle amphibolite facies to granulite facies. WORK CONDOCTED PORING REPORTING PERIOD 7/12/86 TO 6/6/87 REINTERPRETATION OF THE SIROTEM SURVEY This reinterpretation was conducted by a CRAE geophysicist and his comments are attached below. On the basis of this reinterpretation, the known geology, and previous drilling results in the area, it is concluded that there is little potential for a significant base metal orebody to occur in the gridded areas. Interpretation I concur in general with the interpretation report by Frank Fritz (August, 1986) but I would like to add a few comments : The terrain is clearly resistive, and no doubt this had a significant effect on the data quality by reducing the signal noise levels. However, a resistive host should be an advantage in the delineation of conductors to depths greater than where a conductive host is present. For example a conductor detectable at 100m in a conductive environment should be readily detectable at 200m in a resistive environment. The shape of a conductor response should not be influenced by a resistive host, except where current channelling effects may be present. Hence the survey should have readily detected any significant conductor targets at depths of 100m or less, and should possibly have detected deeper targets. In respect of (1) above, and in spite of the poor quality of much of the data, it is clear that there are no obvious good conductor targets within the area surveyed, with the possible exception of an end of line anomaly at 10859N/10600E (between Riesling and Chablis). This response shows exponential decay with time constant 7.3 msec. This represents a good conductor, but unfortunately because of a new operator commencing this line, the anomaly was not closed off to the east, and lines to the north and south are insufficiently long to preclude a strike extension. However there appears to be little encouragement from the mapped geology (gneiss/ pegmatite from Qb 1712) and geochemistry in this are, nor are there coincident magnetic features. Burgundy grid : it is possible to measure an exponential decay rate of up to 2.5 msecs (at 7750N/ 9600E) over the anomalous zone outlined by Fritz, thus suggesting the zone represents a reasonable conductor target. However the response is not a typical conductive sheet response (may be several thin layers) and is limited to less than 400m strike length (probably about 300m). It is not possible to determine depth or dip with any reliability from the existing data, but as suggested by Fritz the dip is probably shallow to the west. Riesling grid : the southern Fritz zone (9000N) may contain a weak confined conductor (time constant 1.6 msec) on the eastern edge (9050N/9600E), but the main response of the zone is due to the presence of a conductive surface layer. The northern Fritz zone (10000N) is interpreted to represent a slightly more conductive lithology or surface layer contained within the resistive host rocks. Only one weak conductor (time constant 0.9 msec) was noted, this PD85RG3 occurring at 10250N/9600E and tested by hole which intersected up to 8% pyrite/pyrrhotite. Chablis grid : the two target zones in the Chablis area do not represent confined conductor targets. Their decay is indicative of a more conductive lithology (half-space) in contact with the very resistive rocks to the west. Summary Although data quality is poor, the SIROTEM survey of the Burgundy-Riesling-Chablis prospects within A to P 3973M has delineated several restricted zones of conductive lithology or surficial cover within a generally highly resistive environment. Only two possible confined conductor targets are indicated : station 10850N/10600E - end of line single anomaly, good time constant (7-8 msec); lack of data to east, north and south precludes further appraisal but response could be open to east and south. ii) centred on 7750N/9600E (Burgundy) - a weak to moderate conductor (time content up to 2.5 msec) but limited to about 300m strike length; possibly dips to west; depth probably between 50 and 100m. Recommendations 10600E within the mapped gneiss and pegmatite geological grounds therefore that further work is warranted in this area, but if field checking is required and suggests further work, a small follow up TEM programme is recommended to check and outline the extent of the feature. Although the conductor target delineated in the Burgundy prospect may represent sulphide mineralis ation at depth (since the time constant is typical of Pb-Zn massive sulphides) it is very doubtful that the target has any near surface tonnage potential. Drill testing should only be contemplated if evidence suggests that precious metals may be associated with a target in this area. We should avoid using SIROTEM in very resistive terrain. Clearly the early-time option is not yet producing the quality of data that we require, although I believe some recent improvements have been implemented. FOLLOW-UP OF CN LEACH GOLD ANOMALIES Preliminary follow-up of original cyanide leach gold results resulted in the downgrading of several anomalies. This latest follow-up concentrated on a drainage system that gave an original gold value from a -6mm gravel sample of 14.4 ppb gold. A follow-up sample at the same site gave a value of 2.4 ppb. This site was revisited and gravel samples were taken on stained and fractured quartz vein occurs striking roughly parallel to the main creek system over a distance of 2-300m. Smaller creeks cross-cut the vein and feed quartz-vein boulders into the main creek. tributaries working upstream, stained, and fractured quartz creek and were traced to its Weakly gossanous and iron- boulders were noted in the source. A 2-3m wide iron- Samples taken on a cross-cutting tributary assayed 3.2 ppb whereas 150m downstream in the main creek a sample assayed 7 ppb. Four rock chip samples were collected from the vein outcrop and float and gave trace amounts of gold (0.04 - 0.08 ppm), sufficient to cause such a stream anomaly. The quartz vein does not have the potential to host significant gold mineralisation and it is recommended that no further work be done in the area. WORK CONDUCTED PORING THE TENURE OF A TQ P 397 3M 5.1. ROCK CHIP/GRAB SAMPLING The majority of the rock samples were collected from a series of ferruginous and siliceous lode rocks. Some of these lode rocks have a distinct quartz-gahnite mineralogy and sugary texture similar to those found at Broken Hill in New South Wales. Fresh sulphides (galena, sphalerite, pyrite, and chalcopyrite were noted at one outcrop on the banks of Fever and Ague Creek. Secondary lead minerals giving a yellow stain onto the lode horizons are common, and were noted on large gossan boulders in Fever and Ague Creek. The assay values of the various stratiform lodes varied from Zn/Cu rich to the east and southeast to Pb/Zn rich to the west. The lodes themselves are highly variable varying from 0.5m to up to nearly 20m thick. Sulphide content of the lodes also appears to be highly variable. Sporadic outcrops of the lode zones occur over a strike length of greater than 6.5km. There appears to be from one to five distinct lode horizons all of which may be lenticular (the lenticular nature of the lode horizons may be partly due to the complex nature of the structure of the area, which is still poorly understood). Assay results with local grid or AMG locations are listed in Appendix 1 and are shown on Plans Qb 1712, 1801 and 1814. Maximum non-coincident values from the gossanous samples are 24.3% lead, 9600 ppm Zn, 8800 ppm Cu, 112 ppm Ag and 0.33 ppm Au. GRIPPING AND MAPPING A total of 66km of grid cross lines have been pegged at 100m intervals along a base line length of 4.2km at the Riesling, Chablis and Burgundy grids. A further 2.55km of grids at 50m spacing have been emplaced over the central portion of the Riesling grid to assist mapping and drill-site selection. The Riesling grid has been mapped in detail at 1:2500 scale by a geologist on secondment from the NSW Geological Survey. A small portion of of the Burgundy grid has been mapped to assist in locating rock chip samples and general position of the lode horizons. The grid base line trends 015° magnetic and the majority of the rocks strike approximately parallel to this trend. The overall outcrop is poor throughout the grid area making the structure and stratigraphy of the area more difficult to understand. The rock sequence at the Riesling grid comprises part of the pelitic suite of the Proterozoic Einasleigh Metamorphics and locally includes pelitic schist, mesocratic gneiss, leuco cratic gneiss, pegmatite, psammitic schist, quartzite and amphibolite. The sequence has been intruded by pegmatite dykes and pegmatitic-quartz veins. A well-developed schist osity in the area is commonly parallel to bedding. It was originally shallowly dipping to horizontal and has been later redistributed about northerly trending asymmetric non- cylindrical folds. The gross structure of the Riesling grid may be a synform or antiform. At the Riesling grid stratiform lead-zinc-copper mineralis ation occurs as stacked lenses over a thickness of 200m of pelitic rocks. The mineralisation is represented at surface by siliceous quartz-gahnite and ferruginous lode rocks. Some pods of massive gossan occur throughout the sequence. To the north and south of the Riesling grid the lodes appear to narrow and have weaker surface occurrences. GROUND MAGNETICS A ground magnetometer survey has been conducted over 52.5 line kilometres of the Riesling and Burgundy grids. A Scintrex MP-2 Proton Precession Magnetometer was used on lines 100m apart with station spacing being 10m. Sensor height was 2.5m. Little magnetic variation was noted in the grid areas and the results have been presented as stacked profiles on plans Qb 1309 and 1810 at 1 :2500 scale. Because of the lack of magnetic response the vertical scale has been presented as lOnt per centimetre. A weak magnetic response is noted over the major gossan outcrops on the central portions of both the Riesling and Burgundy prospects. No magnetic responses are continuous over the length of both the grids. PERCUSSION DRILLING Five percussion holes totalling 532m have been drilled to test gossanous horizons of the Riesling prospect (all 266 two metre interval samples were assayed). Hole details Hole No. Eas t North Dip Azimuth Total Depth PD85RG1 9990 10532 -60° 105° 168m PD85RG2 9945 10495 -60° 105° 66m PD85GR3 10024 10250 -60° 105° 108m PD85GR4 9950 9995 -60° 105° 112m PD85GR5 10013 9550 -60° 285° 78m Full percussion drill ledgers are included as Appendix 5; drill hole locations with respect to the geology are shown on plan Qb 1712; and drill sections are shown on plans Qb 1302 - 1806. As can be seen from the drill sections, most sulphidic sections encountered in the drill holes correspond with the gossanous occurrences on the surface. However, surface gossan geochemical values are considerably enriched compared with primary sulphide intersections. Intersections of significance are : 12 Hole No. Depth Metres Pb Zn Cu Ag ppm PPm PD85RG1 76 - 96m 20 250 0.43% 120 1 including 78 - 82m 4 98 1.30% 148 1 PD85RG2 - no anomalous results - PD85RG3 0 - 24m 24 280 0.31% 150 1 (partly oxidised PD85RG4 0 - 12m 12 100 0.1% 24 1 (oxidised) PD85RG5 2 - 16m 14 75 500 345 2 (oxidised) SIROTEM SURVEY Included here is a report on the SIROTEM survey by consultant F. Fritz. It should be noted that further reinterpretation by a CRAE geophysicist has been included in section 4.1. of this report and severely downgrades the changes of locating a significant conductor in the gridded areas. An Interpretation of the SIROTEM Survey on the Burgundy, Riesling and Chablis Grids Fever and Ague Creek Property Queens land for CRA Exploration by F. P. Fritz August 1986 SUMMARY At the request of Stefan Meyer and David Mason of CRAE I have supervised and interpreted a SIROTEM survey on the Fever and Ague Creek property in Queensland. A total of 31 recon and 7 detail lines of SIROTEM data were collected over 30.6 km of line in 657 stations. 100m loops, 50m stations and ILRVR were used throughout. Several problems with unusual and negative responses were encountered at the start of the survey. Most of these are attributed to resistive ground. However, all instruments appear to work correctly and these are the true responses of the ground. A total of five areas of positive responses were detected by this survey. None of these show the typical responses associated with massive sulfide conductors. All have poor character and low time constants. It is possible that the resistive host has influenced the responses. The best response is at the southern end on the Burgundy grid. This response on four lines suggests a possible conductor with a strike length of 400m, depth to top of 50m, top center located at 7750N, 9650E and dipping to the west at 30 to 45 degrees. A low time constant would suggest a low sulfide content. All of the other positive responses probably represent rock type changes or minor disseminated pyrite. The central response was drilled by at least one CRAE drill hole, PD85RI4. This drill hole found no massive sulfides, but disseminated sulfide, typically 2 to 5 %, but with sections up to 20 %. The Burgundy possible conductor is recommended for drilling. The other targets could be drilled if surface indications could support an economic sulfide source. Downhole SIROTEM should be considered to insure that the target has been intersected and to determine physical properties in this unusual environmnet. CONCLUSIONS AND RECOMMENDATIONS Four of the five areas of positive responses are probably caused by rock type changes including sections of disseminated pyrite. The southern most response, on the Burgundy grid, • shows better character and a higher time constant than any of the others and may represent a possible conductor. This possible conductor should be drilled on Line 7750N to intersect a conductor with a top at 50m below surface at 9650E and a dip to the west of 30 to 45 degrees. 3 I All of the responses indicate near surface sources. Consequently if there is any surface support for possible economic min eralization in the three untested areas they too should be considered for drilling. When these holes are drilled they should be legged downhole with downhole SIROTEM to insure the target has been intersected and to determine physical properties in this unusual environment INTRODUCTION At the request of Stefan Meyer of CRAE Brisbane and David Mason of CRAE Townsville, I have supervised and interpreted a SIROTEM survey on the Fever and Ague Creek property in Queensland. The survey location, loop parameters and expected targets were defined with the assistance of David Howard, CRAE geophysicist Brisbane. However, he left the company before the survey could commence. I have been involved with the mobilization logistics, survey supervision and data interpretation. SURVEY PARAMETERS A medium power SIROTEM, serial no. 1236 , with the early time option and a SATX, Stand Alone Transmitter, was used throughout the survey, Due to unusual ground conditions described later the instrument was used mostly in the low power mode. Usually, the current was in the 7.0 to 7.5 amp range. 100m transmitter loops and an in loop RVR on a 50m station interval were used throughout the survey. 14 or 16 channels of both early time and standard time data were collected at each station. A four man crew was used. The terrain consists of gently rolling hills with occasional short steep sides into the main drainage, Fever and Ague Creek. The vegetation was reasonably dense for typical bush country. Grass cover was high and made location of steel pegs difficult at times. Usually, all four corners of the loop could be seen from the receiver location. A total of 31 reconnaissance lines were run between 7Q50N to 13050N, loop centres, with a line separation of 200m. A total of 27.9km of data or 596 stations were collected in the recon survey, see Plate 1. Seven more short fill in lines were run between the recon lines to further define three unusual response detected by the recon data. These totaled 2.7km or 61 stations for a grand total of 30.6km or 657 stations. UNUSUAL SURVEY PROBLEMS When the survey was first started a considerable amount of effort was used to attempt to define the cause of unusual responses seen on the first two lines. Most of the standard time data showed a negative decay from about - 5.0 microvolts in channel 2 to - 0.2 microvolts, noise level, by channel 6 or 7. The early times started out very positive and decayed to negatives, usually by channel 10. Coincident loops, offset loops and other loop sizes were attempted to reduce this effect. Similar loop sizes with CL or OSL or the RVR showed much the same repsponses. All instrument checks were made with consistently good results. Occasionally there are areas of reasonable, positive decays that prove that the instrumentation is working properly. These areas are discussed later. The only possible explanation for these responses is a very resistive ground with a thin, reasonably conductive cover or weathered layer. Calculated resistivities for positive data range from 2000 to 3500 ohm-m, considerably above typical Australian conditions. Geologic mapping and five drill holes in the area show schists, gneisses, amphibolite, quartzites and pegmatites. Most are reasonably fresh even on the surface and could be very resistive. A second problem occurred with the Roving Vector Receiver, RVR. At some locations within the loop the RVR showed a long constant decay throughout most of the later channels. This only occurred when the RVR was closer to an edge of the loop, i.e. not in the centre. It also was apparently a function of the current level. Consequently, the current was kept at 7.0 to 7.5 amps, i.e. low power to reduce the RVR problems. Apparently, there is a self-inductance ’'in the RVR that can be triggered by strong primary fields. This may be seen only in resistive terrains. The work done on these unusual effects shows that the data collected is reasonable.for the conditions encountered and should detect conductive material at depth in the area. INTERPRETATION Figure 1 shows, at 1:25000 scale, a summary of the Burgundy, Riesling and Chablis grids, SIROTEM lines run and the inter pretation. Five areas showed consistently positive responses; one on the Burgundy grid, see Figure 2, two on the Riesling grid, see Figure 3, and two on the Chablis grid, see Figure 4. .. j i None of these responses show the typical character of a good conductor in a resistive media. All of the time constants are very low, usually under 1.0 and the shapes are very distorted. It is possible that the very resistive nature of the typical host rocks has influenced the responses. Burgundy Grid By far the best response is the southern most one, located on the Burgundy grid. This response occurs on four lines, from 7650N to 7950N-, generally from 9500E to 9750E. The best response is on the follow up line 7750N. The best time constant is 1.4 msec at station 9600E. The shape suggests a possible conductor with a top near station 9650E dipping west at about 30 to 45 degrees. The strike length cannot be more than 400m N-S, but may represent the top of a steeply plunging body. The depth to the top of the possible conductor is not easy to determine, but should be about 50m. This target should be drilled from the west on Line 7750N to intersect a target in the 50 to 70m depth range. The low time constant suggests a low sulfide content if this is a massive sulfide stvle conductor. Riesling Grid The two conductors on the Riesling grid typically are only on two or three stations and have very steep gradients on each side. Although the resistive background may influence responses these responses are more indicative of moderately conductive rocks rather than a conductor. The northern positive response on the Riesling grid''has been drilled by at least one and possibly three CRAE drill holes, numbers 4, 5 and 3. These holes did detect high pyrite content of typically 2 to 5%, but with sections of up to 20% disseminated sulfides. No massive sulfides were detected.. These sections of pyrite appear to be sufficient to cause the SIROTEM response detected. Chablis Grid The two areas of positive responses on the Chablis grid are very similar to those on the Riesling grid, sharp, a few stations and with a very low time constant. The northern most line has a bit better response on the eastern end, but this looks like a typical rock contact and not a conductor response. 5.6. REGIONAL STREAM SEDIMENT SAMPLING Regional stream sediment sampling programmes were undertaken in several stages; with the original surveys being helicopter supported and later surveys and follow-up sampling being conducted using four-wheel drive vehicles. Two types of samples were collected at each sample site. Approximately 5kg of -omm stream gravels were collected as well as approximately 2kg of finer material which was later sieved to collect -30 mesh sediment. The remainder of the sample has been stored at the CRAE office in Townsville for future use. All the 5kg -6mm stream gravels were sent to ALS Laboratories in Brisbane for cyanide leach analysis for gold. The -30 mesh samples were sieved in a field camp or at the CRAE Townsville office by CRAE personnel and despatched to ALS in Brisbane for base metal and trace element analysis. The base metal results were disappointing and indicated no extensions to the mineralisation previously tested in the Fever and Ague Creek area. There also appeared to be no good correlation between high gold values from the bulk cyanide leach samples and the higher arsenic values. The results from the first cyanide leach sampling programmes appeared encouraging but follow-up work showed the area to contain spotty gold values with poor repeatability. For example on original assay of 41 ppb gold gave a result of 100 ppt gold when the site was resampled. As explained in section 4.2., the stream catchment that gave the most repeatable results assayed 14.4 ppb and 2.4 ppb. However, follow-up work in this catchment identified the source of the gold as a narrow iron-stained and fractured quartz vein of limited strike extent and carrying only trace amounts of gold. It is recommended that no further work for gold, or base metal exploration be done in the area. CONCLUSIONS AND RECOMMENDATIONS A reinterpretation of the SIROTEM survey over the Riesling, Burgundy and Chablis grid areas concluded that there is little potential for a large near surface massive sulphide conductor. Surface rock chip sampling also indicates little potential for gold mineralisation on the grid areas. Follow-up sampling on the regional cyanide leach gravel and stream sediment anomalies downgraded the potential of the area to host large gold occurrences. Reconnaissance traversing, and tracing gossanous float up the drainage systems located the source of the only consistent CN leach anomalies (14.4 ppb, 2.4 pbb). The iron-stained and fractured quartz veins carried low gold grades and lacked the tonnage potential (200-300m long by 2-3m wide) to be of any significance. It is recommended that no further work be done in the area and that A to P 3973M be relinquished immediately. P.O. MASON LIST OF REFERENCES Geopeko Ltd. Mason, D.O. Tipperary Land & Exploration Co. 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KEYWORDS Lead, zinc, copper, gold, peltie, psammite gneiss, amphibolite, metamorphics, stratiform, sulphides, Proterozoic, assays-geochem, drill-percuss, geochem-rock, geochem-drainage, geological mapping-detailed, geophysics magnetics. LOCATION Einasleigh 1:250,00 sheet SE55-09 LIST OF APPENDICES Appendix 1 - Rock Chip Sample Ledgers Appendix 2 - Geochemical Drainage Sample Ledgers Appendix 3 - Percussion Drilling Ledgers Appendix 4 - SIROTEM Profiles 22. LIST OF PLANS Qb 2937 Mt. Surprise A to P 3973M 1:100,000 CN Leach and Rock Sample Qb 2446B Mt. Surprise A to P 3973M Location Map 1:500,000 Qb 2449 Mt. Surprise A to P 3973M Stream Sediment Sample Locations and Results 1:25,000 Locations SIROTEM Interpretation Qb 1710 Mt. Surprise A to P 3973M Geology 1:25 ,000 Qb 1712 Mt. Surprise A to P 3973M Riesling Grid - Geology 1:2, 500 Qb 1801 Mt. Surprise A to P 3973M Burgundy Grid - Geology 1:2, 500 Qb 1810 Mt. Surprise A to P 3973M Riesling Grid - Stacked Magnetic Profiles 1:2, 500 Qb 1309 Mt. Surprise A to P 3973M Burgundy Grid - Stacked Magnetic Profiles 1:2, 500 Qb 1814 Mt. Surprise A to P 3973M Rock Chip Sample Locations 1:25 ,000 Qb 2470 A Mt. Surprise A to P 3973M 1:10,000 23 Qb 1802 Mt. Surprise A to P 3973M Drill Section PD85RG1 1:1,000 Qb 1803 Mt. Surprise A to P 3973M Drill Section PD35RG2 1:1,000 Qb 1304 Mt. Surprise A to P 3973M Drill Section PD85RG3 1:1,000 Qb 1305 Mt. Surprise A to P 3973M Drill Section PD85RG4 1:1,000 Qb 1306 Mt. Surprise A to P 3973M Drill Section PD85RG5 1:1,000

ORIGINAL CL ; WNT IN POOR CONDITION ORIGINAL COMPONENT IN POOR CONDITION APPENDIX 1 ROCK CHIP SAMPLE LEDGERS SAMPLE NUMBER LOCATION ROCK TYPE MINERALIZATION METAL CONTENT GEOLOGICAL OBSERVATION COORDS £ X sz S’ INTERVAL 2 ja \*8 > >. <n Major 8 c Z Minor | Pb Zn Cu Mn Aq Au Fe fin % M ?v Pol ><c 1 1 From To • z Minor Alter ation To 7S 3|q 3io 3 O-C# 26-L t>S <0 ?O 20 fe. V OCXA. IS 2S $O0 I Ai-3 IS 1? <IO i$ •. ' ’/ )ll32/7 ia IS tfOo I 0<Xf 27? s \*-IQ IC S\\.C O\* ‘-A Vx<cXmlX O^A- bi-^CAtt. fbUW S fO 31o /JO f rn it s f$ /Z/3 2^ 7/o zsso na 29oo 4? »r \* Moot <joil<AA»uA Wto ^CIQ Mb 3/o 2(00 3 0-OS Z/Q 21 K H>\*\* . “—n— "i an>1t wtru. Q O GEOCHEMICAL ROCK SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD SAMPLED BY LABORATORY USED:-... ^5. PROJECT G TENEMENT NAME.Oh. AREA OR PROSPECT .9?. A?. ..DATE. 3$3\X D.P.O. Nos SAMPLE Nos ■\_.» » a > -x 3 3 2 a □ -T-a a a-a-a a a © © C.R.A. EXPLORATION PT^. LIMITED LOCATION ROCK MINERALIZATION METAL CONTENT GEOLOGICAL OBSERVATION SAMPLE HUMBER COORDS « c INTERVAL TYPE 2 o g 5 N Q p\* 22 From To £ "5\* S Minor « c © 0 < • at > 3 « X s c S Pb Zn Cu Mn Afl Au Bq I33S337 2z^> 4fiOC 6^0 2/o 1 0-o2 170 ft c\a.x^»«A. ol 2 - «?a.Yv>'A<- i33S‘3T? 9^7 ml /Zoo 9<<o l?S T2 0-06 72o '" ■». Y ? , — V— . . -. 1e|\>acj-Ct\_J qt\* qAv>A<- . Tran Uolz-ci /33S33<? R5ST & loot 77oo 2So 3 0 02 28c — ■ . ■- »4>- Q— aj S\Vc/ pJAt »-iA- ‘\ p '\* k - c f >\_ pi l33S3^o VIZ ?s?l 34<X> 8Yoo 70 172 O’ 04 2fo 1 <A >X« ci al 1 Q ai->r> ( “1 «- (335-3^/ asi? W 2-«t /too /?ao 9S 30 {■Cl 3o -u y Olj Iola “ Tat\* Cv> S."t;’v.‘\*-‘L.rkvL /33V342 Hue. PO»T flSo 2400 920 230 2 oo2 330 \* "iy ■ ■■ ■« » ■ ■ . ■« m > , ■. — ■ • > Fc o-Z.J.. r'v&a^ oU-^oV'Z^ < - « pil ‘.Vi 73353^3 /Otoi, /OOuR 7ta TSoo 2to I7$o 2 ooj 360 \*7\* .^ t Vj— fVz-L rock. u<lC r l /33S-5OJ 17S2 /c/p Sb 210 rto S3O <■ 1 -Oc>/ 3<o a^n.Sa-o<.« a 12 - A c^vCa A< 733r?o2 9?t3 » i"? 4oo 72o 42o 370 2 ;O-OJ 2/0 v - -.- 2“ tSli F® •'wr.ia.J /33\_TS<>3 ^06 JOObS 7/So IgOO 220 AgO S ;0-o/ S7O /Ooo7 /Q OP □ 2\*4 3900 2ooo TSO 84- O-04 </O ( ft> J qc4S>© J33S^ /OoS4« /soS2 Zjoo /goo 3S0 S20 74 .0-01 320 L \*—\* • ■ 1 '— ib - “- -1 ' ■ •• - C|L‘-Oz‘Il Q,oVx«csV. /33S‘5'oA /O/64 iQoi 7 Slo 4200 3906 2/0 3 0 o3 20 Mq5>SicM.. Ar.Slc ft O> 1 . <? /1 rz-Y 7 /33>So'> /OI->2 ' \* O b p 2 So Ztoo 2800 220 1 :oo> 230 '\*\* \* \* • \*— — • ■ ■ «■ \* •\*——— — — -\*• . CL aoiki- . /33Syo& IO1P0 >30 »O IM /Ooo 7 Sb 4T 7/ Oo7 /40 ... .. • - \* • • -. . . » .— —\* 1 —- — lU^ra^j »tAXiz-T L 7335" S’oY 1£°2L bid »» w /<f5 / 003 (00 b \* 1 “• w —~p-‘ •\* 1 ir\* ■ - 1 — 3 \* 11 < \* •verrvA c^\*U3o^-« /33-TS/a /£>?(?« 7Oo7£ HQ itoo 28co 470 2 a-33 3$o r^j m —s—a OlVc OlArW^L I335SH /£>2zJ 70030 220 t,2oo 4403 330 2 OoJ /TO -jyi— Ve o'Zrf-4. ^aJac-, /33SS/2 iosv /oaJo /OS i2oq 7700 300 2 - 00| /So \* A A 3 »\*✓<. Fc. C'AlCA? /33S$i 3 foss’P i n o32 J$oO 7100 2ooo /OS ■2^ 3-0 2. 770 ■ . . ■ . > <J< ' ~ “—- ----- TTaSJl'k. ft. a»-< d< floJCzi. \* □\*\*\* ■ - » DETECTION LIMITED UlzUUltIVIILAL I1ULII OHIl/irLIiUU LtUUttt ANALYTICAL METHOD LABORATORY USEp?7Trr^.^s^7T7T7.- PROJECT C.ro ujaJ ^<a$£ TAz-f SAMPLED BY . Stefl/kfe. . . .DATE. .V?F.X. D.P.O. No.S MAP OR PHOTO REF SAMPLE Nos. 3. APPENDIX No PAGE I... .OF.. .1... TENEMENT NAME.??".. F.. 9. ?: A AREA OR PROSPECT .9. ^ l£s . L .’^h . I !’■ SAMPLE NUMBER IS3S/O7 !33Sie>$ I33^io^ 133S/I& ins’ll! I33S//2 |33£££ UiSS/7 I33ST2! LOCATION MINERALIZATION METAL CONTENT GEOLOGICAL OBSERVATION COORDS INTERVAL From I o7c1 / JOiO 4475 /9<oa /oj 3o /7Og<7 /QO7O /OlSo /O2Z.S iooSo /□OR >3 ,0-3 13109 C-7S<5 /oo> (O2il /□Z.7S >o29f .liSJ >0 50T |0»^ lOlLT? /□ooo ( ROCK TYPE Aoujc i.A-J'.Ar. <-</C £k±\* U^HOaQi J J 4 4 C.R.A. EXPLORATION PTY. LIMITED GEOCHEMICAL ROCK SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD SAMPLED BY. J?9D.. . .DAtc. ;/7.^T -•• LABORATORY USEDi'VTTttt/^t?—— - .'. PROJECT. . r. . fate TENEMENT NAME ,‘? r . . .•??.??.'\*? r nr .'. r.r t ■ :i : 1 ' ' '' D.P.O. Nos SAMPLE Nos. I K 5\*?'5\* 2 C.R.A. EXPLORATION PTY. LIMITED R LOCATION ROCK ( — MINERALIZATION METAL CONTENT GEOLOGICAL OBSERVATION SAMPLE NUMBER COORDS « x: INTERVAL TYPE 3 S 0 0 Q N E a x >- J- From To \_o\_ at 2 0 c s & c • Ct < • >» v> • 2 c 2 c 2 Pb Zn Cu Mn \*8 Au 7?2S 2o 37\*0 I2S<> 370 2 0)2 Igo »iuq,o > vro-ti^e brcrio. l335<>S2 7770 <1^ IIS fto ?o 46° <o-«l /qO Fzf C-^az., -<,aVz..4t I..J\* -/•..ar oz-<. i J3?5o83 '■} Z< 7 2l<X »Oo 310 2ifO \* <0 01 ISO -J 1 LX—J ... /Ac.. !••\*< > ) ’7'7>:> <)■:<. 2 3too |«So B?0 44 O 3 o-oJ 300 - ty. CiSx-«iaV-.X^ "i Q. a>«.i«S IIS IlSo 2?0 Wo 0 -o2 400 ■- CUi <~~»i p«iAxx\_ Fc <.' I ..\_A - . ~y,o ■r-.i'-' ss I1S0 11\*0 3Co l 001 90 —- , lJJSc»7 77 30 roSo Wo Wo ? O/Cf /to fi’ti e»e»V--.^K. IoAk “ IjTxl-Ja Cl, /33Sofr? Wl ISco 8\*40 I2oo % Oil CoQ ■■ J : . rt It - »ro- I^uaI fc—Li ,.t 1 WoM 74 fo Mi 32<» XO tfa 7<o r O4>3 no 7TM5,c 2ct7<x> 270 22oa 37© /•tS J 003 400 \*(/ 1 -U— . L-«CX^ sr.i-rl-. l33So9l 7/7^7/ 23o 740 /2oo 270 / <D'O3 470 /33ro?2 ■76i£ ‘17 70 \* IS £to© S4o ito <1 O-aZ 7a (Lxc./aM l-Ur /335O75 =1^7© - !' IS IQS\* SY© 2t,o <) <aol 2 70 ptwA ©<£-11 -> r,ci^o-a /S3S<W 77 7Oi 2nz.»5 . IS (O 42o Sifb o-ol 10 uM| o.vriJ 1 ’ -0»iUL.<\* . <rFWti.\c. 1 3?Sc?S JflffcO IS s° Sfo I/O t O-Qj /<?Q □ — fct — Tr.'\_-.J u>-,l< ln/T7T2 /33Soft -1 \* '>io /O IS •Zoo <1 <iOt 370 ( —j e. —4 \* u.eK\*- >roz>V»^ t-rrc>». ? X '■ 11 y~-> /o 40 740 VS 2 0O| /3O Oil - k~-. - Az.».k /33Sot9 gik£... ^7.6 B 740 /<J«0 340 2$0 1 <oof /to J ■ • ©'A<u <»«\\ zili • <v»V^v'e I /3?So?<? pj£\*o ?2o0 I7»\* /ISO l/so -21 O-ol J2o \* v • \* "tfltxj f<-(flA 0>.k< c^A (IZS/ao W 74o 470 S)0 400 <) 002 WO 0<Vt Welk zil i nV a .V | rziv?'-»r C-Ax~V ) /33S/OJ l?76 Jhr 2fO 9P» 130 4J0 <0o| 3to J Ax \*’■'\*«' rt Tfi \*»—L QVAJ^L'• IZlStoi Vi'/ 0 ? 2«Z SSO 2/0 ir 0-01 /TO - t w . ■ ■ ■ ii — Fs oytJt ficL <M< cz Ai-ftaVr. 1—0 I 3SSi 03 70^0 72<\* (JOO 4C.O #0 n 0-0/ • — "V id- 3 vxlk Vo--Ja d OVAc-J"V)..- V\* 14 /33$7«q ^060 | 30 c£ 7S z/00 2®a 720 <1 091 240 S".\c. (at. C^L'L.L’ aV^A\*." /3JS(o$ /o53o /O^.J iftoo /too 1/00 270 30 0/t> /30 Co£UiA»i 4l\*©./V « rvVxiV- . GEOCHEMICAL ROCK SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD SAMPLED BY. . .DATE. // LABORATORY USED:\*.- PROJECT.. D.P.O. No.s. .35?. 1 .? SAMPLENos.. l 3??,?8 ,, ..r.. s'r.-^. .^7-.-.- -■ TENEMENT NAME. ./It. .?.■??.l.C?. C.R.A. EXPLORATION PTY. LIMITED R SAMPLE LOCA TIO 'J ROCK TYPE Ml NER ALIZ ATIC )N METAL CONTENT GEOLOGICAL OBSERVATION COORDS • c INTERVAL V £ s — M £ cl >» 2S S'\* From To £ • 2 1 Minor I Alter- anon Wl > >» G 2 c 2 Pb Zn Cu Mn \*9 Au Ba I33SO7G fo'zg 4o 7?0 £80 1 <0 of I3i^o? 7 Sec? Wo So 4lo l2So SSo 1 ‘QO| 470 I335-O78 1 T.O^I 97i'fe 3o 2&S0 too 2- <0-O| 240 /33SO7? <W<! 3Q 9fo <0.0 STo 1 <0-01 3$» • IVJX - o a t . fc «•»,,<4 . . •- s ., (33Scxo P0t2 4o ISSO 770 920 2 <0<J| 440 I3WI3 80:,$- 7 79L SO 3to 00 3jo I eo-oi 43o I33f//q 82fcO 98oo 2? /7oO -2ft> 4?o ^1 OOI /CfO l33^HS- 7 0 30 IdSa 3S0 ?2O <1 OCQ (2\* - H • ;iZ- oT±■ r« - ... ... <• . -• -■ - GEOCHEMICAL ROCK SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD SAMPLED BY....£>. ... DATE.. LABORATORY USED^.-ttttttv .-ttttt.- PROJECT. . fa™.-} D.P.O. tlo.s.... SAMPLE Nos. .(??.£< ?A T/ZX. — TENEMENT NAME. W. . ??? ?. ? MAP OR PHOTO REF APPENDIX No. PAGE OF AREA OR PROSPECT. . r . ‘ \*• ' ‘ LOCATION ROCK MINERALIZATION METAL CONTENT GEOLOGICAL OBSERVATION SAMPLE HUMBER COORDS £ INTERVAL TYPE « o — G- G... J u •o From To Major Minor Alter ation > vi tt’ 2 c Z e Z Pb Zn Cu Mn Ag Au |<>m /02<cS /o 270 J 2oo 30 3250 • w—nl 2 Io.<z - - - • .. 1 ’ 1 - ■ f: ■ < -• ■ .... . - GFnriiFMiraf Rnrir enn/iPiinin icnncn DETECTION LIMITED ANALYTICAL METHOD SAMPLED RY .. .DATE. .Q c . T.. l^s. ... ’lARnnATnov necn. ALS. 3Y Ct CoS'! f vuwaJ J-.’-.z- S cmt ma...- Mr Cu/Tz,' - D P.O. Ho.s. . . 3 1 ?. 2 :\* $ . SAMP-LE N rriujc TCMCM MAP OR PHOTO REF. . . .Q) i7.i.2 APPENDIX No... • PAGE. J.. ...OF..I • unkiiiLi (< MAinic.». .\*. . . r . :. :. . . . t . AREA OR PROSPEC I . C!. . F l \ Jf- Hf- j\* - -W • <4? C.R.A. EXPLORATION PTY. LIMITED LOCATION ROCK MINERALIZATION METAL CONTENT GEOL OGICAL OBSERVATION SAMPLE HUMBER COORDS INTERVAL TYPE Q A 2 •' •' - ■ ■ £ u 2< i- Hom To £ \*5\* 2 | Minor £ ° 5 • • > Si c 2 c Z Pb Zn Cu Mn \*0 Au Sn w (Ji I'HS’H\*’ 2I2V& 7/74^3 <‘/u «7O 6oo 17© 2 <O.«a IT </o lOo ( r«rr.. 1 >..? c L il l33S\\? 2>2?75 ?7?4 loo loOQ 3io /fcS 2 O«| < £• <|O /4<O z£ v -0 ? AI-> ...A.'.A- o ! S -i . T , lS3S"t 2i28?o 7/74 toil %2o I05o /or 2o <-0O| < i" </o 2/o 9 -r / 3-^ . „U , , „ M,|\. ....,/ r \, ' L) .1 . . .V '. |3?s'l2o 2i2?to 7?7O52£ TKC &O US l^a S’ Ool ata ^4 ( \*-\* \*\*\* u/iiX. !<\*'«\*.\* \*\*< '\* • \*\* <7 U I • ' ‘ t i • I' > 2 ?ri 2 > 2o~fty> VS 3a IS LfO <■ 1 <0®/ c f<=> 13° J . qji- |-1< Lu.v\ Cl. .• -- »» 3 3S-122. ?o7TSo 7?7p/?j IS t/S 2a 270 < 1 < 0 QI </o 72o /j l .(...M . ; ./. ’v- 5 133S-1 23 2«7Po 7?7? 3=0 Sb So K x«o 3 O Ol < S <. ,o S4o \*4 3 2&74G<> 7/7??^ 4-0 3S US i '0-01 < s 220 < 4 i •J 4 — » .\*.» il?S|2S 2s7S44 7?7J4(.O IS ?S IS V? < 1 <00) < s </o «?o <4 i~ ? i3?r,ic 2o73go -20 So <2 360 < 1 -Oai < r </0 80 £jl b-cCc.ii., J j-..n--..k \t SielV. . )■ V-Mwo i \ < \ •«<-<.; - ,X.5c ^..2.'.} Ei1Ai^z£q^£C 15. ii^L.T-:: J L- <V‘\_I... \_ AlSr. JlL i-lL /I ' 1 tk. . »\*■ 13 3S J 2 7 2a7 ?4O 7/L77JO IS 7a 2 •tfo 1 :oo/ \* s To /Sa <- i33Sn% 2o7? 2 o ?/\*77Jo \*• 2o 8S iS 22a 1 . Mi <s- 2o /tA < i-t ——. -J e G?Sq<i 2<-7?GO 7^72o ■- JS S Joo 1 'Oo/ <s </o I3o <- 4 U?r. ?o 2o772o 7tt>7SSo. IS /?« 22Q i?oo 2 ;oo/ /o ItO < 4 OA ( 1 lillLlL 2o72?o 7fl>7SSo 2S VS >S |/o=> 2 :o o/ < s 30 3io \* 4 -^.-1 / h...« L.^ ... 1-. .- . ' \ . \* 1 ~ , r . 2o?2P0 7%7ft° IS 70 40 /Cft 1 ;o oi <5 ufl 3?o <- 4 2o72^o ZZiZite (S' 60 3° IfO 1 cO-oj <5 'JO 440 BSf/34 2oS/O3 7?VO2.?o r /o IO US < J .0-0/ <s :/0 ?O -4 \*.0». \* v <tv cm m |f f c. \ i f\*-- ; ■ - 11 t GEOCHEMICAL ROCK SAMPLING LEDGER DETECTION LIMITED — — - . ANALYTICAL METHOD SAMPLED BY . .. ...date..P)?H JffS . LABORATORY IIRPn-r— PR OJE CY (Cjeo^crD.^r/ D.P.O. Ho.s 3??.TV / S IT D 7 - H4 MAP OR PHOTO REF APPENDIX No,.. ■ PAGE. .. .OF., . icncwtrn HAMt.'." .r/r.. AREA OR PROSPECT "

ORIGINAL COMPONENT IN POOR CONDITION APPENDIX 2 SAMPLE NUMBER LOCATION Co-ordinates Sample Type SAMPLE DESCRIPTION Size Distribution SITE DESCRIPTION Catchmen t Contamination Site Rating Banks Flow Width 1. catchment area > 20 km 2. catchment area 10-20 km 3. catchment area 5-10 km2 4. catchment area 2-5 km 2 5. catchment area 1-2 km 2 . 6. catchment area 0.5-1 kra 7. catchment area < 0.5 km 2 Good Moderate Alluvial Colluvial Dry Pools Slow Fast CRAE 6 figure no. Australian Metric Grid Reference in Metres Stream sediment sample Panned concentration percentage of gravel, sand, silt/clay and organic matter in the sample site No apparent contamination (Jrban e.g. Houses, rubbish, etc. Roads, tracks, railways, dams, stone quarries, etc. Metalliferous Mine, workings or tailings in catchment area Rubbish (man made) if separate from 2 Agricultural e.g. Fertilisers, cattle yards, heavy cultivation, animal faeces or remains. Natural dilution from banks of creek Poor Unsatisfactory 3. No defined channel width of channel in metres. ROCX TYPE 1. Conglomerate SI. Rhyolitic lava 2. Breccia 52. Rhyolitic, pyroclastics 3. Greywacke 53. Trachyte 4 . Arkose 54. Andesitic lava 5. Sandstone 55. Andesitic pyroclastics 6 . Sil tstone 56. Basaltic lava 7 . Shale 57. Basaltic pyroclastics 8. Black Shale 58. Dolerite 9 . Mudstone 66. Quartzite 21. Limes tone 67. Hornfels 22. Dolomite 68. Marble 23. Banded Iron Formation 69 . Slate 24. Carbonatic Shale 70. Phyllite 25. Chert 71. Schist 31 Pegmatite 72. 73. Amphibolite Gneiss 32 Granite 33. Porphyritic Granite 86 . Quartz veins 34 . Adame 111te 87 . Greisen 35 . Granodiorite 88 . Gossan 36 . Diorite 89 . I ronstone 37 . Gaboro 90 . Laterite 38 . Peridotite C.R.A. EXPLORATION PTY. LIMITED LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION SAMPLE NUMBF’’ Coordt- ft E \* - \*Q 5 u c c • g E o n ft s (ft £ Float Outcrop Ft o <3 </> • ? o £ u 5 8 Q 6 ft 0) \*• 2 c s c i Pb Zn Cu Mn \*8 Au ft\* «r \* % /Q3o/8 ss ’S' 1 3 1 / 7 z /oo u-i ; - 14) 3 118. 3d\* /< Oo Z-= 2fio <1 /•■?? <-1 f7-«< o,^ .ctr-A\* pekfe . ’r j rZ f~~r-tr —j—m — /Gi3Q> \*} K S’ 1 t ! 1 /6 z ?t>0 V { C ~Ar £»/\. So 2S ?<o '7 2SC \*2 s/- 3 j f ar a\* a'/’? pdtt Qai^A 3 j —P7 p"/ v — 5-0 QS r ( 2 i 1 ) vX hio >5 3 120 ZS ?s rr SCo <1 ZO 2 F'7" z>JiG? ~i —r 3 c' \*— S5 4o S' ) 2 1 L 21 tX 7000 ' C (c£^-4>K^ Acktr/ 3 l 2» 26 6o 2S ?So <-1 IS 2.0/ f € J - ■ ■ 1 a? oiz'W Pel ■? C7 v —rf^— 2, 4(3 5 | ) 1 Z J200 y / /C -X. lUk ZS ttr So fftfo <1 24 4?o <2 fl • iAvl»t (a^c.O'S— LHVO 4fl Z. ixa~ /6/^2/S/or^^zjW?/ y; f. —c—<M\_ 6/auM\*- +^Oo^-Ak, /trtort r 1 2 t L 2< rfo Vc- «^.pL ' 3hvj 2\* Sb ZS ZTo <1 /6 2-Q <2 ' f -J . .. O"Lti uCo\-> <»-A.,Z xskV'^ cio^ . p\*' tr )—■ f ( /GI3o2c a 5 s L l L f£o V 6Z Jut m^Z 3/2\*, ■30\* \*£l rs xyo <1 21 4 Co <2 J5 “ y: S-.4 J ^7~ <lflL . w o^Mjy fra f / y /y i'p—/ ij ? if\*\*— GoH ATtcfe- /fel<2lK DETECTION LIMITED ANALYTICAL METHOD GEOCHEMICAL DRAINAGE SAMPLING LEDGER SAMPLED B Y P P . 7 DATE. 7. D.P.O. No.s. . . 3# i.H . . LABORATORY USED:-. .. SAMPLE Nos MAP OR PHOTO REF APPENDIX No PAGE OF PROJECT TENEMENT NAME. jM. AREA OR PROSPECT xaa a 3 a a a a r E- E E E C.R.A. EXPLORATION PTY. LIMITED LOCATION SAMPLE NUMBER CxMd\* N '&( loot WdO / , 1ii(qq 25lL4k 200? ULieSL. . i^£l HUao 1$ j£2a\_ — 2.Q.Q.1 2lQ.1 71?^ ^oL. — — Qz.i.t | t 5 V ii 1 ko 60 5o rg — 12 — — lQ\_ lo /O 7^ 2? ? — — — — — — — — SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION | § 1 1 Ho«l 3 5 1 e i c J 1 0 Pb In Cu Mn Afl Au 4> \* ?\*a V / 2 / / /2 K &D <L / / ! /£. C// 4 A ’ ' / 3 A 2 2 ) A v 3\_ z L Z JL H X 2p 6.^?/ ^/A ft £ A 3 / 7 <jto n" ft' r 2 1 1 J >r ftc - /SftatA'AL 4 A Av 20 to l«X> 6 1-37 0 ' //-'yX / / GEOCHEMICAL DRAINAGE SAMPLING LEDGER MAP OR PHOTO REF PROJECT PAGE AREA OR PROSPECT APPENDIX No DETECTION LIMITED ANALYTICAL METHOD SAMPLED BY... .- DATE dpo. nos £G ollGt p£^io/v;. TENEMENT NAME . D C.R.A. EXPLORATION PTY. LIMITED M [• DU FllOin LI I 11 C.R.A. EXPLORATION PTY. LIMITED HAD HD Dl IHTH QCC A nnr i C.R.A. EXPLORATION PTY. LIMITED D LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION SAMPLE NUMBER Coord\*- k JI- I o J 3 i ,p 1 iL Fioal I 3 O Z 1 N £ \* a o 5 1 a i 1 i 3 c s c 2 Pb / Zn Cu Mn \*8 Au Bn W >bl20^ iy< a<« u Lo 3o 10 3 I Z 1 1 ? y 2So o/c- ibllitf f(/\* K ~ \*<M Ath Ax OIL Iptffo r 5" / 2 / / 3 p J<C b'M\* fC^'A •\*• /7. 037 JOCK\* 40 5 6 ! Z 1 J 3 K /So <r cZ "W. / 37 ZA ' iti t lx— rj— ?<r< —<—r-^--— o38 latino 5<? 10 4 I 1 1 z A /5i> A \*4«-je l 38 a'h’, .scAAi cH 2 0? jfo 3o iC r 1 z 1 1 3 X VSd »(& ~ /ul4S /39 jZx Amalit. zli 1 > — T ~7 \* y v ) 1 040 7^ (4/^2 2.0&l(o 7o lo IQ j z / 7 $OQ 0' A( 140 & \* (//». r" / \*— o4l nUKtoo h < / 2 l / p &)O $7- 7/^^a. l±L 47 oAm t/4'iA V ;<{ ...-j 16 HO4l 6/— I b 1 2 141 ?o’ IL < Z 2\_ / J dt '/oo s'/- . xx-ft A -■■/\*-• GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD SAMPLED BY H V . DATE-J-V\*^ D P.O. No.t LABORATORY USED:- SAMPLE Nob. . . /A PROJECT... TENEMENT NAME. MAP OR PHOTO REF APPENDIX No PAGE OF AREA OR PROSPECT n C.R.A. EXPLORATION PTY. LIMITED LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. OEOLOQICAL OBSERVATION | SAMPLE NUMBER Coo<d« u 1 0 1 c 1 5 1 s 1 Fioal I a 0 N £ J % I i I 7 2 c s c 1 Pb Zn Cu Mn \*8 Au I\* xk ft? |UZO# 7^o so 40 10 ?, 1 X 1 ( i5~ / (00 ok JhllitL so\* ft" ausi+dPfJt . ah- litih ZoWoo is R H2 3 1 2 1 I /Z - o/c -Wt I4f it - \*7 Ort 70 25 5 ¥ 1 1 1 1 6 J til /C'\*\* <dz. 041 WlVo\* l°W<> </O 55 } 2 1 / > LfcL 2S 3bo <1 2-22 \*3 <47 Vllto fa V 2 / i / / 7 vX A foo & (4 7 h»I IfrM&i fi. tf.k • \*^7^.4 t ay. r^Ai U12 o-MI VtfWO 5 I 1 1 I 1 Jp / Ip? 1+8 utf\* \* 3o ¥0 2x> 330 <1 II it - a mdLi t 4f> • '• A. .. . V it •fc A : ■- GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD i— SAMPLED ByT. ,7^\ . <4.. DATE\*. • 1 ?-/A .. LABORATORY USED:- PROJECT... .. D.P.O. Nos. . 35.?-5t9l SAMPLENos... , .M.?9 l f3....r.' i ? t ^. TENEMENT NAME. MAP OR PHOTO REF > A APPENDIX No . ^ r - p C.R.A. EXPLORAilON PTY. LIMITED D SAMPLE NUMBER LOCATION DL SAM SCR PLE IPTI ON 1 ITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION Coordi- • H 5 \*\* • e o X3 c V) p w c e o Catchment Contam Sila Rating \*1 C a 03 Flow £ € Float Outerop Pb Zn Cu Mn Afl Au $n w £ N 2 G 2 e 2 ■ m??2s 2i2oz,0 7Y7Z53O So r 4 1 2 1 1 K 7/ — 90 U<o Ab c/c F/o tt F -J L 2iqv^o ll\Qoo WF o io 2o IO c 1 2 1 1 3 St 7/ — 2o 3S 2o Ai : ‘—ILL—f.lL t (Vo o/c. ||?S?27 777230O ‘1 ?o 1° /o 9 1 2- 1 ± J IL 7/ 3S 70 4,0 iSO Ft % — — — — — — — — • • — — GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED — — ANALYTICAL METHOD SAMPLED BY. .Cl . DATE • ■ - - LABORATORY USED;-. PROJECT .Q?\*-./M.\* s D.P.O. Nos SAMPLENos I 1 . 1 .??. 2 .\*.-? 2 :?. TENEMENT NAME ...9 h ' ' >'. > 7/V > MAP OR PHOTO REF . C-A- . W ? A APPENOIX No PAGE. . . ! GF . A AREA OR PROSPECT ■ < ’ ’ \* C.R.A. EXPLORATION PTY. LIMITED LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION SAMPLE HUMBER CoQidi • -J •u □ c • E Q Flow £ Flo»l a. t bl e £ 5 ■ c • u) e 0 £ O c 0 a V) • £ c 0 s \*? 2 c 2 Q 2 u O Pb Zn Cu Mn \*9 Au Sn w As 11\*12712- 2o\*?£ S'O -So\* /S 9S- 1 2 1 I 3 ft 7) 72 So 765 2S 10 PeNAc. -al — W7S7 2.7 2.09010 79 7oSS-a 3o fs- s 2 1 2 1 1 7 <rO C+S 2o /P HV 73o 777onz - 2o is s 3 1 2- 1 1 Lf yt 73 32 OO SS ao i2 un7?/ -iog^To 77A? c«3 to \*2S s A 1 2 1 1 Vb 2a iS /o H\*rS\*f 32 2o&3AO 79b97& >■ S' 90 5 S' 1 2 1 1 3 86 31 32 3S 20 l£ Grcu-Ac- o/c II7S‘733 lo\* 390 7123370 s vs to 6 1 2 1 1 i 32 ?2 <)S 60 25 18 G.ra^-.\*C. L 3 0 /c li7S-?37 2H loo 197013 j u 2o 7? 2 i 1 2 1 I 8b 3l 3/ 30 2> fS 9 MV .. O'-.v? - i'I-.x <i-»s?3S 2io 7t?oiS° (0 ?s 3 2 2 1 Z 1 1 7 72 K 32 3S n> 40 12 A~„L.\o ‘ ii 7S??g 2/aQoo 71MC0 - So )S s 6 1 z 1 L 2 72 91 71 3S Ao 20 >2 (>F. fi V « •< r..zb. II7S’?3‘? 2lo9So 797oSfo i$ 80 S' I 1 2 J 1 /o 86 76 32 3S So 3“ to II7T??? 2/ofco - to VS ~s S L 2 1 1 2 72 K 72 3o 3o 25 /o tl<?fM l/o^^O 797000^. es il 3 s 1 2 1 I 2 72 7! §6 72 00 70 G5 Z S 2/oc, ( .,q 79^(7- 70 2S S S 1 2 1 1 3 8b 72 IL GO Go aS 12 1135701 2>-^Soo ?%??\*<> /s 82 3 3 1 2. 1 1 ft 72 7! 86 77 3S go 6S to ^0—— 1 H?r?A2 2>o3i^ 7Mft/o 11 /D 85 S 2 1 2 1 1 II % 31 21 3o 3S 2S 9 -H 1 p" s ~ 2/5230 7S- So S' G 1 2 1 1 2 7/ Zl ?6 7/ 3S 7S 2S PE. t PC HfS9oG ?/o82o 717/200 - /© V° 10 S 1 2 1 I 3 7? 31 72 ?O 6S 2o II^KS 2/06-fo 797/bio 70 2S s 6 t 2 1 1 2 3i 88 7/ 31 70 ISO loo 12 Oh nr.V'sTt Ld\*f llKloL 2Jo 1 7s 7il£?± ■■ 3o 6? 3 £ 1 t 1 1 3 8(> 3/ 4S go 2S lc t 0 C 2/o66o 1972! ?o • 8° /? 2 4 1 2, 1 \ 7 72 ^0 20 to .'3 La.S,G /fir., . Jc. 1I//L0 797)7oo - 10 8s S' 5 1 2 1 1 3 71 ft 71 73 3o AO SS 3 -A? f «'. I >-Pt o/< 2 £12^0 717/ioo Z-Z- sr S' 2 1 L L I 7 73 SC 66 73 3£ ^0 2« /2 \J ■ ■ ■ 1 —--6 11 Hfflto liLl 2 ° ?T7;tfP ■> io 8S s 6 1 2- 1 1 2 71 73 ft 7) 2S SS 30 /o UWSt 2///^o 777)710 ?s 62 3 S 4J 1 2 ± A 66 71 st 6b 2S 2S IO to Ccjrit c~ I J,\ .( 2, I 11 ,’iV. x, ), (t ■■ G I/?S?SI 211 S6-0 797/<o<s H 25 65 ft 2 2 7 % 72 73 2S AO 70 GEOCHEMICAL DRAINA GE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD DATE.PAT SAMPLED BY. V\*9.T? IV' O. No s . o CD 1 , f-!;■ 'TO H- 1 ^LABORATORY USED:- SAMPLE Nos. . Iffi?.??.:. APPENDIX t'n P.-.CF I PROJECT. ,9 A, i ' J72s'/’) P .-. C. F n; C.R.A. EXPLORATION PTY. LIMITED SAMPLE NUMBER - i ifs-vso iiys'ysy tits'Kt iitsis? utstsf w%o GEOCL LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.F CoaitJi- H 4 r- 0 » • 3 X3 e 2 >. 4 3 £ c 4 C\* 6 c ? £ Q Q E c 0 O c» • c V) 4 c JC c 0 1 £ T) s Float Q. o 3 o Pt> Zn Cu Mn Ag Au Sn W M \*4\* X c S c 2 7ST Za s 1 2 1 3 73 u F? 73 43 So 3° 2/2203 Z/7/^o ?0 (K S' C ) 2 1 1 3 7? 72 sc 78 3S Sa 2a 2 1180- 7V/^ - W 57 ? S’ 1 2 1 1 3 3t 73 3/ 40 <<° 2$- 2l2i2o 7?7/2<<c> 2S 70 s 4 1 2 1 3 71 fft 78 SS 4^ 2S Ii2 727/3^ 7t7joi<> - K 6a 62 ?8 3 9 2 1 1 ?L ?3 8t 31 Ct 78 3S /to /40 2n^o- •» 2 S 3 1 T 2 1 1 v 8C 73 qo ss 3S lLLil£- 2ll2?o SQ 4° 4\* S’ 2 I 73 32 St 73 3° 6o 2S 7178 2fo $7 3 3 2 X J 73 72 st 30 ts 40 — — • — — — — IEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD 4- date... 0.9!../^ SAMPLED BY. A? .9. /?. DP O Ho. ” ’ P OR f-Hf .TO HFF GEOLOGICAL OBSERVATION - LABORATORY USED:- '.M. I PROJECT TENEMENT NAME SAMPLE Nos.. APPEURIX Mo PAGE C.R.A. EXPLORATION PTY. LIMITED SAMPLE NUMBER LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION Coords- £ s e ►- a 0 • 3 c <3 >- a O c £ a c » e C u 5 E c 0 O 06 « c Jt c a A o 5 s Float CL 0 u 3 Q Pb Zn Cu Mn \*8 Au Sn w As G VI \*• 2 c 2 2 1 W<l&l MW? II9W<i l|?SW5 2(22^° 7fMtc ^iV e ScZ) -v? 70 70 65 2S\_ 2S 3a 2 S' S’ — 1 2 2 A 4o 7| >/ 2o Sb IS 2 So < 1 < l 4 — — 2i2--'?O 2l2/LO 2 t ? 12 7i Sb 7/ %< 71 25 5o 20 J40 t ?rjo2oo 3 1 1 J S’ 73 31 3| id SS 3o 4to ‘ 1 2 2llc,7o 2i/q2O TfZjSOO h 40 Jo 10 3 1 2 t l 5 71 ?3 sc 23 7o 25 47<0 < 1 3 2 7f?^^ to !L 20 2 2 Z I i S’ 21 ?t 7/ 25 fo 30 £20 < 1 /i?tM 2/OLOa 7fzr^oo k 74 io 3j S’ 1 i 7 31 73 7/ 7/ 2o 6o 4S- S2o «- 1 //?W7 2<57?oo 7?%ga> TWoiO ■■ 23 60 1 2 1 i I 3i 73 7/ 2L 2 a Sb S"o Slo <1 < I u?s?63 20(,3oO 2^220 H 10 3 1 Z 1 I /o Ik 31 a 7l 7/ 2o 2 S' Sb So S?o < 1 \* L c II9-W9 7Y7T3SO 70 /O 2o 70 fcS" 2g ZL 25 2 2 2 — Q 1 2 I 2 (0 K 73 32 2S /o 3Zo < 1 IIWo IHSWi islSSo 77? b 7 SO 1??7&a A 1 2 t 1 2 7 32 tt 32 15 3S S’ 3Z0 < 1 51 2 2o32 70 2OJ46O • A 1 2 2 & 32 8C 32 2o 25 Lo lo ^GO ‘ 1 777/SQO - S S' 1 I 1 1 3 2L 21 s? So 25 320 ‘ 1 A //9V773 208220 7}7}?Sa »• 3o s A- 1 Z 1 I 12 8i 73 21 Jo 4S 75 3So <1 7 JlKTfy IIKWS 2of2?O 2o9 roo mrio 77^260 .. SO 4S 12 5 3 A d 2 I 1 n 32 73 3C 32 IS IO 290 <1 1 — 1 2 1 1 to lb 73 SG 25 8o 2S 600 d S' //?$■??<; 2o?Qfo 7?So?cc •• 6S Jo x> Jo S' 3 1 Z 1 JL lo IQ 73 Sb 35 sy is 340 -1 12 //?W7 2a??oo 77?2K<0 SO ££ 2? S' 3 1 7 I 2 7| 73 £C 3o 7o 2o 2S-O <1 .Zl^ A //?wy //7W? 2OS7S0 S’ Z^ 1 2 1 2 7 31 7/ SL 31 20 25 10 /ST <1 2ol9?0 7/5/760 2 ZL 1 2 1 1 S’ 7? K 72 20 3S IS 3/0 d 3 H^Cooq 2o5G2o 7ftOSSO - 2J 75" S’ <1 1 2. 1 3 7? 31 %L /S’ 3o ID 2ZfO <1 2 — GEOCHEMICAL DRAIMAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD SAMPLED - LABORATORY USED:- PROJECT. (SaJjS / ” D.P.O. Ilo.s. J?.?.^l SAMPLE Nos .7.. /ATA?. 00 TENEMENT NAME Lb'i\* or i-hok' nrr t: C.R.A. EXPLORATION PTY. LIMITED LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION SAMPLE NUMBER Coord\*- •o t c c • E c» «• Float a. o s.w GA/MS-u -Cy^.pG 1 1 e E £ s 0 £ • o O c a c 0 Q 3 • a c a 0 £ T> 9 "B 3 G X G s Outer Pb Zn Cu Mn Ag Au f? + So w \\qs7O 2|22o- ?9£c‘/jO 70 2S 2 1 1 2 ) 4 2fO 7/ 7/ Sb Si? IHS%2 2i20?o 7o 2S S 2 1 2 1 2 12 73 7/ BC 7/ So bio ZI2/LO. 7750 2°° c\* 3o V 2 1 2 1 ) ? St 73 3/ 3| loo S’-?? 2llo7o 7773 S°o h £± /O 3 L 2 1 I S 7/ 73 at 200 6-22 wns 2IMO 7??0f« Bl. )« 2 G L 2. JL I S' 3i 9C 7/ So S-27 ho coo 7??T4<fc H 7S 2o S’ I 2 1 ) 7 n 73 I 21 - 77 /oo 7-40 //?£?<£ 7 2&3ftX} 7724- fSo Co 3? 2 ±.. 1 2 7 6 3/ 73 ZL 3L SO r<^ //?^3 3 06 300 7F)S M 3 e CO IQ 3 L 2 L \ IO Z1 72 77 iSo 6 ?3 in$W 2oT22o 7975" 380 7a X Z 4 i 2 1 Z /O 32 SC 73 32 gSo 3»l mi\* 2o2Sfo 7974 7fo u /? £>8 2 9 i 2 i 2 7 n 9C 32 kSo C<f? □clI7o T?77SOo H 2o\_ 21 2 i 2 1 2 ■S ?2 9C 32 iSb U7 113\*772 ToJAGO 7i?3 S?a - 1£ S i z t 1 3 7/ 73 S3 2oo s-sc U7S77? 2^22 • JY7\*? 7S> •» 6S To S 4- i 2 \ 1 12 SC 73 n /OO JI9S7X- 2oji?o 717)730 - S 0 9r S i z i i 72. 32 7? 32 SO 7^1 nwzr 29 folio •1 SV /2 3 -? / 2 1 1 /O a 73 & 70 0 C- fl) Zo^i/Jo ?9J03oo It {£ 3o s 3 i Z i 2 20 cc 7? ■So i?2 //?S?77 2G97JO 7ti2 3^ '• /V SO S’ 3 2 1 Z itf 7/ 73 lc>o C7i iimis 2oS2S> 7931980 3o CS S' 3 i z / 2 7 3i 71 SC 3/ 10a C72 //7-W? 2-39?o ?9S/9\*-2 •• 7o 2S 2 •9 t 2. / 1 s\* 73 8C 72 3so 7-77 /i?nfo ?oSt2 0 796OS80 •« 2c 7S S i 2 \ 1 3 73 3| 8C /oo C-73 cpnrnrnnfPAi nnmniAn^ SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD SAMPLED BY. P.9. DATE N?9. .WfrS D.P.O. No.s IS 22.3 \*\*' P OR PHOTO REF . . .^'.9 . . /5? ! 7. - APPENDIX No - LABORATORY USED:- SAMPLE Hos /(?£'%/. PROJECT . ^. A ? £L TENEMENT NAME.’?. AREA OR PROSPECT - ji a a a a -a\* a a a a a a a a a a a a a a C.R.A. EXPLORATION PTY. LIMITED SAMPLE NUMBER LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. QEOLOQICAL OBSERVATION i 1\* 1 I 5 s I ! 1 4 1 I f fimi 1 u. Cu u» M Au fc As E. N I i J a /z/^3677 2/Zlco 7 977^ /o fS £ / a 1 1 IS 350 •3 a-)-? -2o $£ 2S 2)0 1 AOC \*1 f/- .Tv, , /tvcqg/?, , • 0a£ja^aax i /noYCzvO-Z- /«53^7^ 2/A70O XptW IS 85 7 2 / I to - 350 /=7- ^/z/Unph, IS 3o ao <1 /5V \*/ 145358/ 7>?%to So / 3 4 I s 7 30C - A2J/Ao 3o 5S 40 u$o I 3\* S S^QpSXirs MICO 7<n5/cc IO 40 / 1 I lO 7 //5o of\*-p&uk. > psajnrmlc- 8133 20 Go as 3oo <■1 /?<? <1 Off- 0 ossa-n t ^ryxro-’b^. '45 & £5 a^tco 15 £• / 2j f I to 7 350 ofc^ - cftz- JeinQ, hxc^ei^. 8^85 30 OS WX> <1 & tf'-tfz. OW>5 fW, S5&S&. f^2rnny /if53^7 □2/0 te 7^75X2 ) IS 1 I / ! V A50 ofc-P^^pSa^rT), GUyipK. 3&S7 35 3o 20 2)0 <1 /■77 6 ,aswb, pSGc^irr\ t !U.53b& 2U3OO to 3° I o? 1 / IO 7 4\*50 o/^/eoco^sS, 20 35 IS 200 \*1 W <! Pl-I&sco t Qk- ,pe2-te- GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD sampled by <-• C . project... TENEMENT NAME. PROJECT... .Mfr.. TENEMENT NAME... .4??®.. f ■ OATE. D.P 0 No s C.R.A. EXPLORATION PTY. LIMITED SAMPLE NUMBER LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE K ‘ METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION Cow\*.. l-> I 1 4 3 i J 1 ’I I 1 FlMl i p\* In Cu Mn \*• Au >T5 E. J i J 1 ATS'jW? 2/0/00 -6 10 es 5" / Sb / J 7 / I/Oc A't- 3303 -g# 5 SbO zo /CO t </ • Xr, , 9^2- /U5310^ ^074.<t y^ioc ss 7 3 / / S 5&o 33^7 Zo 50 25 i b3c </ F7~ ,0r^i-hc, Cone chsief^o 5os3Z^ /yyzk^clI- — 1(4531 // u2Q£>3co 7^66 «x 33 70 / <2 / / 6 — SCO F/- ^z. tyQsxUeJpeQ, clwxp , 33U 80 05 cSO MfC i s& 3 pSttsnrHefe, t Kitt! 3 i^Sco /O £5 5 / Si / / S' / So Ota -peptic. , &MP 33/3 iG US aS aio cl Zb i Ft- qh., itMp, pejfr peg /#531/5 W/GO Vtf&too IO W I I / / b2O 7 iso o/c, — pQAtO, 33/5 15 35 M 2/0 </ 1-7) Sb FSOfnrnSks. /Z/S37/7 '■fikto\*. <5 5b 5 / Sb / / 6 7 6^ 05 !5 210 </ </ GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD.; A.- C- sampled by project. . w.;. fynente... C.R.A. EXPLORATION PTY. LIMITED PAOE..s3.’;..OF...$L TENEMENT NAME SAMPLE NUMBER LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. QEOLOOICAL OBSERVATION (war li 1 1 ( ! 4 ! ’I 1 i FkMl 1 Pte Za Cu Mn Afi Au f=t- As E. N I 1 £ a 2O52Q5 T^foo 6th} 3o bo /O 7 st / <25 V ?cc ■ <& P^Si-h l ftsajnnn l 2L^ 33/q '\*D\* 25 30 IS w /•££ 4 KL53-&7 wx/qco 79&2CO P S3 / 2 / / S y USO °fof^>7o. Jo So AS &2c </ 2Y3 12 /tf537<23 2Q5UCO 23 75 / ! o2 / G J <SC o/<- feoc4&)&:ss 33 <23 3o '5 23C </ 207 3 £7— ,a^p &<>&>-\*\*\*->/fe.. • / (^37^\*7 J&3 SCO WJcax. » IS Ho 5 i st / / <? / C/g- f^'fc. fSlrrm/TC- C&r\p 33^ 3Z5 6s 35 <30 / 365 Qste.asr&js&q.pet;^ poi&eb '46373^ 3 £5 IO / 3 ( t /O 4 /OO ofc. /ecc£Cf->. 333CJ /<? SO &5 I ^S7 \*/ Attsnrri/tL. C^rr^p P&fjG. t pe,^r\CA^-) IC/S3T4I 2&IOO W&oc !O <K> / 3 / / s (f£O o/o &t£X7i&ss. p&J, te psa™. X5 25 lO 165 / </ F7-. \*?/L £tco^,az ( >^. \*• '4^37^3 f2Oi4cX7 7ft%OC i3 1 i / 1 7 /QO ofc (■evc&ty. paS /£ , . 33^3 • /5 25 2SO / 2% / 57“ 4^/z , l&JCCQn , O>rip>, GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD OATE... G . SAMPLED BY X- • GEOCHEMICAL DRAINAGE SAMPLING LEDGER C.R.A. EXPLORATION PTY. LIMITED LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE . METAL CONTENT IN P.P.M. QEOLOQICAL OBSERVATION SAMPLE NUMBER Coordt- !> I 1 3 1 4 Ftodl Fe- ^5 & \* I 3 J £ I i X Pb Z\* Cu Mn Afl Au ff5 /<Z537a5 (O 65 5 / ( / s 250 ■ 33t/5 c2o SS 30 35G <«/ 33l v? i < ^p i dofen-te-' Wm lo-Zioo /7 e>$ 7 i 2 t So 33V? • 27 2o 3t» 1 24J A fCr fit?, a\*// , /m-< /4537f? 7?737^ 207fcco io 1 z I / 9 Roo ■ oX ' \*• 27 Ao 2o 2to 1 223 Z « 4A. oX^Ij , b&\*\*>\*nl • 1V/ooo 20? Joo 20 6o X 2 I 1 — ISo P2-— jt?. otv\*\* it:, TP 77 20 2?o < 4531^3 7f73«>o 2\*3 8oo 37 67 r 2 1 1 G too o/«L 3375 A° 67 3“ 270 1 zn & t-\*4“ 4^. L»c. —— /453T77 T^liooo l^BSoo |0 1q / Z I I V fOQ .3377 -2o 47 2o 3^o 1 2V J <7? • . i t fW? ■ W537S7 ^7oo 2t>S 3oo 2o 3o 7 / / 2. /oo g/l- j, Lujce<ju\* ) 'io 3 ?i 7 2S 7D 27 3 Jo / 3^ 4 -Cr tC\*\*\*4) <b^4.»rt>w5fo■--<- 'C/5375^ lo^oo 27 15 X 2 / 1 Z /oo — F JJl o/C~ 116 322? 1 20 77 3S 370 1 2JJ 1 ML- rft? j a rw-u'lt-j — L L □Z LZ 1— — j— - — tcLZtc»i(W<§fo\*^-A. DETECTION LIMITED ANALYTICAL METHOD O ^ . . .OATEJF/k/fSG LABORATORY USED:-. PROJECT... D P 0. no t {...PAGE...^6. ..OF..5? TENEMENT NAME sample number Cs«xa« |! ] j 1 J J FtMt a Ft - /k A/ e i J J 3 a I J I i 1 3 i Pb Za Cm Mn M AU IT 1 W 211700 S'B s t 2 I I lb V 33oc % fdL\*- 2?? ao ?$ (S' /fo -1 IH 0 ♦ ••Itlfee dr. Ttybo I— SI s > L 1 ) K Z 2\*So 2\* So So tfCfO 1 2 rt-qh fid k> fsyr, k\*/<- re ^n. i TYXfo 2i3£o O 43- 1 2- 1 1 v' FCs - - ^Zd.o/e, v\*«\* 4-a— r a 20 3o 20 220 «U 1-72 M ■t—p , nn t '^'ir' l \*\*11— Ti'TS'So S£ £• L X- 1 1 -H. V SSb °L £i,fe 3o \*?0 I-W 3 —.r , — nir <\o»S 7 2 '<^00 ■2\* ts 1 L 1 L z 4 00 i IS 3S 2S 3<» 4 V bio 1 A | 1 r— 7?»&t 2|((oo S\_ K £ 1 j 3\* — 10a QJJ LvuVv ara-.l C-A 2S2: 2o /O AS << 1-03 1 — >b j ■—r 2 — 7)l}oto H3<Xto To ,?■ 1 S1 z 3S-o l£ GuuAnAJ A\*l.i- 1 2£o ■ST 4a •M 1-^ "\* —“"W- IW Fl !\*\*\*&-+\* \*Zz /’S^— y-s r H / F --•"- •— 7/-> l£>7lao LL 1 2- 2 / Wo f/ o/f /-A IczTc 'll\* 3o ir Zoo 1 w <1 \* J — ROCK TYPE ‘ METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION SITE DESCRIPTION LOCATION SAMPLE DESCRIPTION DETECTION LIMITED ANALYTICAL METHOD GEOCHEMICAL DRAINAGE SAMPLING LEDGER D-P.O. NO.i PROJECT C.R.A. EXPLORATION PTY. LIMITED LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE I METAL CONTENT IN P.P.M. — ~ GEOLOGICAL OBSERVATION SAMPLE NUMBER Coo<dt h 4\*" • & 3 3 5 c 5 «I 1 Float & % Al & e □ 1 0 • a \* £ s £ A 2 3 Pi» Zn Cu Mn A« Au an fc w Ai — • — -- Itl S'O 45 1 X X / — r S-O E/“«»n ^rz-.’+e 2o 27 If 2/0 1 I SF <1 hj —p^ ; r 11 • » f AULD\*™ <C> Tib&oo 6<-— 3o CS S \ X 1 s / 150 2o 37 ZO 170 l-tf 4 o/t wA/A zaC/fe . 1 ft \*y /jf— 1 it™’ p/b 20^6<x> 4l. Jo < 1 1 1 1 Z 22 So kt 2S 4o 2o 26o 2-20 X F/ -aa-X, g/j £ 1 -7 J - ’"“//“"■-j—f-\* ’—• ! 1ft ?»c 206\*3 a f£ o. S’ V X X — poc 1 it 2o 1° /?o J-C •—\* 2Zo 2l<3Oo 4i s 1 1 1 1 ± / (So °/c. tc cl^tAxy 320 2° ST 2o 2io <1 1% 1 TftHtto $ 1 z 1 1 lb z 32c» Fc 3. 45 IS 22a W s ■ LT }\* I J . > I u ' ' r{^ 7o2oq 2c8 V» ■6^ To S 1 z X 1 7 U €0 30 n\* t 2<o6 —y- z p\* 81 ^—f 7 r Gdtc^KaX i-f 2O?/»0 Xa\_ 7-5 s / z 1 / / K aro-Lk ItMCai' xJ'Af iTwo s 3S iS 2ia 1 l-W 1 1 - GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD^ LABORATORY USED: DATE. I SAMPLED BY...-PPC/. 0 P.O. No s SAMPLE Nos TENEMENT NAME project. .. ^■73rf O.P.O. No.S MAP OR PHOTO REF LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION SAMPLE HUMBER Coord\*. h fl- • 3 fl ► J c 1 5 0 • c • 2 £ Float ~T N £ • 5 d 3 a s 5 c 4 i 4 s S 3 3 I <3 Pb Zn Cu Mn Au Au 1/ tn w \*742 ■202.2\* S 1 3 2 1 3x |OA la 35 IS 230 1 2»2 < 1 7H \*1 M io < 1 2 2 / fa ff QA\*r-L \*- <»h U to IS 22o 1 2"\*1 1 t | 1 4, M-UU\* \*» j r /qo3 7</G 1tb7«x> 2o?3oo -trw« 3o io (O ?, 2- — /OO D- , a/fi 2o 3<» IS 2qo 1 it- JW&c. 2n2COC & 7° to / 1 I /\*» v/ Zoo % f 4/1T Z5 2o W> 1 a-qf Ti75> ZpS'Uc 2£ 7® £ / X L 1 S / SO 35o 35 \*0 IS 2£o 1 in 7 \*—.A 4'/ Jc f J S' 1 >\* \* 752. 7173 80c 703<foa 60. 10 < 3 |X 7 IV ✓ 100 % rxt Ml 35 45 38o 2J7 \*7 6/rojL- aZ^ <2'-/A PM.\*v\*. U. .\_ Tf t Z • f 1 ‘ 7?75rc irfftoo ^0 5> s ( L L 1 2-1 loa /e/?t c.^/.k'L , 3\*< IS q5 To 340 2-Q 1 »»- r ( 7 F 1 IK 7?7o&co ItfWoo So to 1 I 1 7 loo ¥<. 1 <\*\*\*> t^djko] -fl. 3Sb /$ or 2T 380 1 2J? <) c^aL 1 0 “1 r GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD' LABORATORY USED:- SAMPLE Not PROJECT.. ZfC.\*. . TENEMENT NAME.... AREA OR PROSPECT APPENDIX No... / ... .PAGE.. .77... .OF. LOCATION SAMPLE DESCRIPTION SITE DESCRIPTION ROCK TYPE —U- METAL CONTENT IN P.P.M. GEOLOGICAL OBSERVATION SAMPLE HUMBER Coo<dt h f > 0 2 Ji c I •? co 8 £ £ Float £ N £ 4 0 J & o u 3 3 J T Z e z e 3 1 Pb Zn Cu Mn Ag Au ta Gt w As 7^ ZoQtyoo u IA t 2 2 1 A {00 Jn /S' A 4 ar 1 1 " l.i ^L£\*2l±u s^. Trfotoc 2/ofoo w 1 2 X- - {<\*> ,l> lA /j. l/UL4A\*x lk- |3to /o Qo Jo 1 <1 • - • .... 1 GEOCHEMICAL DRAINAGE SAMPLING LEDGER DETECTION LIMITED ANALYTICAL METHOD LABORATORY USED:- PROJECT .(7^7. SAMPLED BY . O- . . . DATE.. D.P.O. No s SAMPLE Nos

ORIGINAL COMPONENT IN POOR CONDITION APPENDIX 3 PERCUSSION DRILLING LEDGERS FROM TO INT. ft SAmM NO ftoc.KT'iPfl ?G ?s PC u Gat 4 Qa Si Cf TC| TCI K LA Tk £utc ?b O 2 IW/AOl Go Co — /2] 2G Z 2 1 /n So £/o ^0 2 <7 4o2 'Jr’ O-ytL^ /o 50 ;o 4° 2 - /2o & f 2 ( 3 //S' So b 4p3 A^k-rfS (Ux3^ SO 4a 4 11\*8 ZC 1 1 1 1 0 3S- l<jo 1$ G A04 /o (P izo 11 2 1 0 7° 630 is 1° 4&5 /■ ’)') \_, J -3i Cj.ruV,\ / 60 2- 2<> l»7 Z4 2. 0 0 Z L loT 2-70 2 /o '2 40G \* Ci''"\* - lo\* 2 60 1 1/3 2(7 2 0 1 ?T 3^0 loOO /3<> ,'2 /'/ 4o7 > ’ 01. •• y., X?7 ZpT ?z> T r 724 24- s- 1 c |O Zqo 4(0 3o .’Q i b W . 1 63 Z>O V >31 2.1 1 jyo ICf^O foj /G IY f) V 4o? <2.1 • ■ ,?o (n P /3<7 c /A \*25; bio 7^ /S’ 2o 4/° n u . - >o’ •« 3o 70 1 Tz 1/ 1^ \*' \*7 2 n r? < 7 /□S' C7Q 3o 20 22 4 IL Z '/C^ 3? 7o 1 Ir /3'3 24 2. ( P ! ' ?O /Geo S'S' 22 24 4/2 So 7 3 3 lr 2 7 1 \*> •> SJO 2G 4/3 rr 1 I- 136 7.4 2 c 1 / /OS <£$=> Zq^ 2C 2$ aik. toSAt r-'lQk^ O 1 1 //T ■H 4 e r ? ' 7S 2?o 2o 30 US ?pLOh '■ ’■ I 5 5 f 1 ?r 33 0 r e Z/ 6S 27^ 7 ..> 32 4/C t ' T 1 7 I2\ 21 2 1 c 2 > 60 2o' .23 32 34 4/7 \*>!«/«/ . c ,u./ ?o 5 1 7 125 22 -7 1 60 2x3 2o ±7 3C 4/R 71 \* \* 5\*1'•/\*»> )■»/■• 42 5 6 7 >24- 7 4 z“ 1 •\* SO 25SO n 0 3\* - 4f? ’ " ■ ” gb7. 20 J? 1 "7 27 l c z 1 ?; 6S ZP 78- .4° 42o 1 •• • •./>«. ?t>. z z 2A c 7o 230 j£z 42 4l2L h»fflli.ic 7b Z 2 /2/ 7 •? 7 0 ,1 Z 7 65 23P 44 > A>> 1 2 / 26 2 0 7- 2lO 25 44 4G 423 FSbU /\*>?, J t 70 2 1 26 I 1' Sz 7S 22o /o 4G •H7 IK 1424 5^ 2 Tr /z^ 24- 2 0 0 3G >35 S' DETECTION LIMIT LABORATORY USED- ANALYTICAL METHOD 7uJ O--. 7q° ?g0 71° 3(p 7(P &2P SAMPLE T Y P e s\_i Q^........C.U^r SAMPLE NOS....n.?/A.<?.L-.42^T C. R.A. EXPLORATION PTY. LIMITED DRILLING GEOCHEMICAL LEDGER REPORT NO Dpo 352IS- hole no APPENDIX No(Li PAGE H Of R.A. EXPLORATION PTY. LIMITED fWusnoAj DRILLING GEOCHEMICAL LEDGER ROM TO IN T w TXmFlT NO GockTW PG ps PC LQ Gar P Y Gr\* $4 C P TCI VC2 K u TK Naa Pb Co. Ao M n A. ^o U9Uf2$ /S 6S? 1 ‘1 125 Zl 3 I Q 3?,. So ITS 10 1 yfo S=> Si 42C \*» 1 ah S 7< / V no 2-2 2 I 0 27 130 10 1 670 32 Sa W 5S Tc T r 122. Zl ? I 0 Xr So H5 IS 1 >4 s G A22 • '.O zo 3 / Hi 2.4 0 I 0 3/ S'/ iZS 2.S 1 '8?o PG SV A29 2-0 . T f Tr I/O 23 3 I 0 - o a<> ZTS 2 1 KSV >8\* GO 43o ?-L 1° 9? X Tr UZS /7 I 0 / )a 3S /OS Zo I 4P feo CZ 43/ tu> ■rt.V' i< t Li•»Avx /OO- - Tr HS 20 I I 0 2G po S ITS 62 bS 432 a/l- 2o 1 2 Tf in 25 2 0 <2 2f 30 Zo c 1 CG 433 //■>?«/■ iJ.'li /O 2\* / A « lr ■ H? K 0 0 0 \*></ 45 S4O 185 1 7 co 6C C8- 43\* 'M'. r 5T‘ IO &> / 4 1 \*lr T I24 2-0 2 p r 0? vs /fico /IS I 7< v o 6? 7o 435 foL Clz /° 1° So Tr z '25 24 3 0 0 A 40 4G0 2S 1 <50 7o 72 4?C F> yo 1 //7 20 I 0 0 -’’T S’o P «/ 72 74 437 lot Q)h, . 90 R IIS £■ I 0 0 2 k, 30 ISS /O /fS 74 yc 43? OF to? Ls /£> ?o Tr I20 22 I I 0 2-^ . 30 T Pt 7b 7$ 437 o\, .JD-vK.Vp 40 50 s h Hl 2 I 2 0 0 230 /2W II0 1 i r-v-j 1 •J-1 So 44^ V 7A.}, 10 r° u 9 Z1 Ill 2/ 2 0 0 65 /C|0 /lit /53 \ 0-'.| JO ei 44/ /° 8 /o. 3 ° //4 /\* I 0 0 75 r< l<fS{ 1 0 >■' fZ &4 442 fA/V- .?0.<UVIO£ sp 2 2 T' 1 HO 2J J I 0 2d 65 MO 20 <1 37o 0-^1 <4 36 \*1 3o 2 2 V Tr /o 9 23 I 0 0 2io HoD as 1 3?o 00? .‘6 gg 4\*4 IO |O ? (0 1 1 ' b 7 /II it 2 I 0 ^SO 2goo (OO 3 S5o <0 > 1 as\* 7o 4<\*S IO !° io Tr TA /2Z 22 2 I 0 03, 4 6^ SVo 3<^ 3 Po O'C,/ 7o 92 4\*4 2i7^ al x•"»>-'• ^“L\* 4° 4o /O (-> Tr Tr HI /7 I I 0 /oa S?o I goo 2 a O ) 92 ?4- 44? Z° qO 7 A- V If 2 23 I I O 77 (Of 750 ?o / S20 U /19/44# J\* lo Ao G 2 7 Ho 20 3 0 0 60 SO 24S0 HS < / 3so DETECTION LIMIT WOHAIORY USED - ANALYTICAL METHOD REPORT NO D./?O. ^s"2/T HOLE NO ...yZT’Y 6 '- 1 appendix no.B.-,.^A^.?.\_. page z .cr\_K f ro.\*i IO INT > saaihT NO RCK.K/T'/ f£ ee PS P6 1C, Gar 6 Go Si Tci TC2 K U Tk 7G [ ?y /17/44? /° 7o 1 Sy //5 2 2 1 1 0 9? (CO 4 So <s lo z\* 3 z 1 f /Zi 2/ 2 1 ,v /oo (02 4Sl ft..J, , 70 (0 20 3 2 171 ,72 / c Q 107 IO(+ 4S2 n-> 2c> ? 2 //7 Z5 3 0 O /09 (Ob 4$3 % 3 '7? l°t 2 1 0 /Ot tog 4$4 ft. 67 P 3 2 in 2.1 3 0 0 |G^ 110 4SS 0 1 T-.X- t Jt 70 Z 1 (20 Z3 1 0 0 Ho 111 4SC ’ 5 \* t- • ?0 s 4 //? 24 1 0 0 Hi 23- 457 t>l. ,/...,.h..<e 70 6 <t /27 25 2 0 (1 //4- //6 zsr V ^Ta/l l&^L 2l 79 S Ho l.\ 2 0 0 //G 118 4S7 (6 \*EJ £> /O (O I I III z 1 0 lit Ito 460 ••A Qb . 4° ro & 1 17} is 1 0 0 llo (11 46/ 3o 3t> 1 z 1/7 22 2 1 (7 112 11^ W. C.ohV ..Ju- SO »6 20 2o 1 1 2 1 1 0 /14- lit 463 P..I.U ,?.U S' V Il4~ 70 1 2 0 lit /28 469 1° P V Tr [Ob 2/ 1 / 0 US /So 46S f. .,' V . Of ,\u 60 40 7/ £4 ? l 1 0 l3o 131 466 <s..1 > -• • 60 60. V 102 zz 1 O 0 132 461 /I’d 1.3 2 0 0 2^l 136 468 & 47 7> Tr 1X2 20 3 l 0 /3t l3S w R F \*Ca.L<J.-a^ (£ to 2S 3> Tr 111 !<1 2 I / I3& /4O 47o ?S(?4 -t.jfc „A 70 3\* T< //4 22 2 (7 0 /40 /4l 47/ 9b 10 Tr 10b 20 2 1 0 14 4 49/472. -Wv /oo 7r 10$ 24 1 0 0 DETECTION LIMIT LABORATORY USED '- ANALYTICAL METHOD HR CA • r w r\*& ?? >7 SAMPLE TYPE. JUfX.Wk.1.1 .V'fil\*».Ci.bx \* A M P k i NHI 1 1 \*1 i R\*A">‘ M' W «>»«\*• <4° 32 m£ 40 <2L 37- e>o 4S\* bo SS SV S° S'\* Sb \_^Q ^L 7G QO 7 s 40 ?c 3o 3S 3? 72 ? S IS 2<6 2o 26 4£> 2^0 40 27o A/’O 2^o /ss rzo S'oo 8S 570 1 tao O 7/o 770 i£ ?0 l£ 6$ ££o £p ^0 !3S I3o 47 o 4?o -ZgQ l$o $Q0 V?a 40 2SO 22o (<IS £2o ?So 3?o 53° 3So ?Sb SOo Sgv> ?/o ss 4S ?r 30 Zo rso \*!O.11 IO INI' SAmPlE NO ^ocv;n e E. PG PS PC Lq C.a.r P Y Gn SI Cp TCI TC2 p; U TU PU IHIG73 loo 4. Ir l'1 7 0 (7 Ls '■;(. /4$ 4?C <o 5o If r/4 20 2 0 (7 30 ?r ji'i' l^> 4^ f5Cl /Of) 7x /2 I 22 3 1 \_?7 2S i5b tfT. G7C Ir //5" 2< 1 0 0 p •• z\* 5 3 15^ W I'») 7 r T c /22 '? 2 7 0 / ■> Z-> i.'. I5G 473 T< . C\i)>/•-/ f \* •» Hl 22 • ) f? o ty p ; 2o ’76 !5Z 1 j2L (.M . ?■\* T? 124 14 •? r 0 ?O ZS ■ I(G 4fo /o ?5 io Tr 120 2c 1 0 1 77 2X3 Go IG2 48/ e..' .- 4$ 3? 2<T Vf 62/ 7^ \*\* z 0 (2 7 Jo '62 I6(f. 482 ■> Cl\* /'T 44 3 I /7 < 7 30 !£4 IM w 4> 2o Tr 12J z/ <•■ 7 0 '66 /G8 GStf 7^ 3” 7> izo I'l o / n >2 28' l7o C.D fl . lo 172. 4F4 ; 72 171 487 ’ z 1 DETECTION LIMIT ADORATORY USED '- ANALYTICAL METHOD 8\* Z/Q IO$ 100 (oO r 'A 4 c, J 3^a ^0 6'?^ 3zx> 2J5 REPORT NO .. p.P.o 35'2lS' HOLE NOJy^^^.L APPENDIX NO,£ki.QLj£2.2L PAGE MoeJ ( ' bom TO INT. TXmFTF NO P£ P£ PS PG Z-G p y Gr» Si CP TCI TC2 K u Tk 1 Mo} Sult Pb Z^ Cv. /Adj Mr\ (V O 2 113/485" 2« u4 / 0 0 1? 3S AS° 25 <■1 370 2 4 4% /OO 101 22 2 0 1 /o 2o ^0 5 1 ? ~><J 6 457 4\* //4\* 20 z 0 1 /;? Z5 65o IS t^o G 4\*^ Go 2o 108 2+ 2 1 0 / G> 2S 25 1 slo 3 |o 4S? IS n€> >? 1 0 0 -?? 2S 170 3° l s|o /o 12 49° 4^ 5° HZ Il 0 1 0 ?<< 2S !2S /$ < 1 Sio 12 74 49/ 40 4° 1(2? /? 1 0 0 \*3 r r ZO Go IO l UO Kf /G 472 zoO IOO /r / 0 0 • 7 Zo 6° to <. 1 /(!? IC 1? W3 Sb ro (Of, /fi / / 0 2." 20 I/O 5 < 1 42^ 1? 2o A% /5 SS • !D1 21 3 / 0 /5 15 sy 2 \* / c/o 22 WS oo 1/4 2.C / / 0 25 IS 55 5 < 1 210 22 24 4\* /Oo I'C >1 / 0 / j ft /5 (0 < j /GV It 2C 4\*7 UZ ZZ 2 1 I ? 7. (5 ^5 2 </ /15 2L 2? 4^ /GJ 105 75? / / 0 2ft 2j=> 60 Z < l 2 1a 47? 7^ / 10$ ?p / 0 0 i/O 2o 8$ 25 <1 2oo ? ,o 32 II7J5OC 3o 7o //4- 23 / 0 / 20 60 (0 < 1 -itlO So/ & V !}'S zd / <7 0 '•» r IS <2 < i 2, co kx 3G $02 to 2p &P. Sr fc -7 n 2 / 0 5 2S 55 5 < / 2L0 -G 33' \* To? Rb. 49 |0 zsj HO 21 3’ 0 0 2o 700 <2 -1 3?o 40 5o4 , A v. -Gu? fyo 2° 2° 2 // 2 2S 2 / 1 p >- 25 70 25 1 450 -hL 42 SoS G"» 1 l/J 22 2 / / 4j 25 /oo 2o 1 46^ SoG 1 4'7 U 2 Q (? VC/ 25 So 1 530 ^6 5o7 4° Go 2 7 no 23 0 O 0 /a2 25 Q5 /S 1 4£o >6 4% IR/Sc8 25 J 103 77 1 O / Z,-P 3o /05 /o l <4-0 DETECTION LIMIT \BORATORY USED - ANALYTICAL METHOD FROM TO INF. SAMPlt NO Rocvcr'iee PE fs PC tc < ’Y C/> Si c f TCI SC2 LA TU rvac. Ss.t£ Pb Z^ 48 So mw 7° IO 2 //# 2-3 3 O & 30 /5r IS >O 52- $lo E>~ c<\*— OMs- 7t> 2\* 1 //7 H 2 O O 77 3° /Jf io Si fl I R. C-^A-zvl? ,2t>\ 5> 1r 1 4 2 n 2 <2 O -3<t 2S /2f 10 r^\_ 56 5/2 n •■ ’• 3,2 7> 2 •? 1 / O O 3j 3o n° IS SV </T U^.L. U-QU lbK« 5 TO 5 7? loo >5 O (3 O 30 ns /O <s to 5/Z, A \* /o 7o / //6 / 0 1 -■ C f 2.5 too 10 bO 6t svs Y. |0 / /07 7 O 4 2 ?, 3o !<x> IS C 2 5/C F- A 7° / '/z 2o 2 O / /is 3o 6^ (C 50 fS Ir £ /•\* T-? Z- 10^ /3 / / O 4 3 -2.S LC r>c> w v3 ?o sh DETECTION LIMIT ABORATORY USED j- ANALYTICAL METHOD f Mo LSO "?ao 6lo 6So 6oo 7^ REPORT NO Vfo 3<Z2\<2 HOLE NO.JO??^ 2.... APPENDIX Nof\h.QLlg2L.. PAGE | .Of. i ROM TO INT w Sample no (^oc.'lvm f (L . re PS fS ZjG Gar G Gn Si Cp TO TC2 K. "V^ M<»a <4 fb 1 Gk Hn 0 z IHISI8 &> Zo Jf7 2 z o 2t /<70 34 o« 4/S 2 4 sw 6b 155 3 I Z 1 z /j- SY7 2GSo 30 1 Soo Z> 52^ (& 40 l$0 2 I o 220 MSO 4S I/SO (> ? Sti 8’ >') > (33 IS Z / o Sgo 2ZTo 6S 1 660 r S\*2 y .. ■• ■■ J\* fs^ 7o ? 144 2.3 ! c? & 4 C 71° 2oSO 5$ 1 6 GO .'0 $23 •• - z^ zZ.-k To 6 132 25 2 / o 2? 3?o 3QH) 7S 600 n S2<t A\*~.o..k. 7i5T. EVz. o-JzZV oV>\*<^ 63 2o ,s i\*(2 2S 1 c’ o 3o 270 4700 </C© Sb z6 S2S 0\*1. G/m.-V 3° 30 19 Z w 27 Z 0 o ■7-^ 2JS0 27o 1 i Lz I /C /8 $2L //,Cb . (.•^•.3-e 60 So 6 4?7 ZJ / ! o ZJo 2<oO iso /O^D 1? 20 $27 ID 5> Z / /4i ZZ 2 / $> 3-0 3o> $000 24 c 1 820 Zo 22 ?Va 8D 3 it f3l 22 2 o o 120 IS'<?O 70 23o 22 2< t S29 ^fiv- 70 Z« 7 S' /3o 27 1 i co /$<■> Gf 2S5O SZo 2^ -24 S3o ASh ?»7> ?o /X? 7 1 /Jl 26 2. o I 4& 30 400 2S 1 looo 2< 29- $3l f ’ 4.0 4° T Ta lip 25 2 O 0 S? 60 JlO /r 5(0 23 3° &3Z zo Go Jx L 12 b 23 1 1 1 s? 6S 4P 30 1 ^70 3<\* 32 53? So So Tr 7 r >3G 25 / o / SC Go 40© zs < 1 32 SS(, ftX »Cc r M„; ) i.c 1 90 Zo !o 2 T,’ 141 23 z / o S3 42\*3 3S 1 6/0 ISl 3C j 6| tl. /oo /o 6 7,’ 143 2 + 2 o 1 9<id So f7S0 ITS 1 620 3G 3? $3C> ^2 ofX^ So 3^ '■ ? 5 ■) >32. 22 Z / o 40 2S=> 7S S?o S?7 '■ •» io 4o S o I / /# 22 2 o / ?? S5 17\* 2o < 1 3To 4o 42- S3? z?P 12. Tr Tr ifl 21 1 0 5 Sa 17° fS 3 oo 42 539 /oo W 2$ I I o fS\*O So l?o IS < / 174 44 46 SZ^o 33 & >4-1 Zb Z / X) GS 270 K 1 430 46 z/r n^i 01 >i 7rf.. 2a 1 /«/ 3-^b 1 o o ?o So /GO Zo < 1 2So DETECTION LIMIT ABORATORY USED- ANALYTICAL METHOD -I— l t'\ I, C 0-0\* O' REPORT NO... I. P.P.O ^S2|7 HOLE NO APPENDIX NO !?±> J9ldl26'.. PAGE 7 .CE ^; l^o BOM ro INF. m SAmPlE NO BL ps K, Car Ga s< cp TO veil K ■^n TV Av»«\ s->7 fb ' z>> Ga % W n<?rs6t So 5 T< A rr 'Y? 24 3 / O 08 65\* 17$ z$ n (CO 1131X67 & 2 /I-? 21 / 2 I /6S- 3o /oo /oZ i?fz P Tr /3^ 27 3 (2 O 7^ IS /ST 3o /OZ /oQ W 7° 7^ tt> K )s4- 2-^ -A I o & 6-T /qo ip io<7 (Of C7O 2S V /5<Z Zi z I O 5\* SV 1$5 S' lot S?/ /o Tr /4-1 27 o t 6> 60 l>o /6o /S Il 0 //O f/Z <7? tl V IfQ l/Q ll(> S7S i/6 H? S'74 I2 O \*77 • \* DETECTION LIMIT AOORAT ORY USED- ANALYTICAL METHOD -7CJ AMPLE type ample' nos ..... C.R.A. EXPLORATION PTY. LIMITED Pe.RTu.ss joaJ DRILLING GEOCHEMICAL LEDGER ’-"W' REPORT NO DPo V2O HOLE NO.?J >Q APPENDIX NO fk-.\_Qh....LF.S<J. PA( t JLofJ IOM TO INT E OC^T '/ P (2 P£- fS ft LQ Car P Y Gr> 21 C P TCI TCI K LA "Oa H-.A Pb o 2 II2IS72 20 &0 IOS 2 1 1 0 1 2ZiO 2 S77 2> SD 113 1# Z 1 0 75 4 G ST74 (o z° 2jO III /9 1 07 // SO 6 $ $75 3o 7o /2o Z'f 2 I 1 85 ? IO W $° 3o 122 30 3 Z 1 70 /o 12 S77 Bo So '0 133 27 / 1 1 n r ->w» <3 12 d<L. 578 3? lo '2? 30 2 D 3> 3Z (0 ZL S7<? P~\*l ~lt~< ■y\* So 19 Tr ill 2-G 3 t 0 < 7. 5s- /G 1\* 520 V 75 T. 3 137 3! 2 O (7 9 13 2jd 4° to 5t> i- T< \*2 2 0 C2 ^7 35 2d 22 552. /<> 1° %o 2. Tr iZz 2 / 2 / O 63 60 22 2 4 S?J 70 1/ 120 2-6 3 / 0 ^Ci. 50 ZG 386 ?o Cr I3o 23 2L O 07 0 7 2Q 22 58$ 3» 7o 1 r 127 IS 2 1 0 r >2 6<> 2? 3o $?< 3 73 I2o ! c i 1 0 0 C6 2o '> 32 587 to S 2S V 707 20 2. I e> 33 33 ??. S5? S i$ So HI IS/ 3 0 / (So ro 36 •SV? ^If\* ;J«-. — 41 J /S’ 73 «> 1/(2 z t 0 6? So ?L 23 S?o 4 5K 2')\3Jj" j} f- tt a 7 2.0 Ao 7 Tr /OS' 17 2 1 1 j 65 s\ 4-0 5<?l 1 ’ / ,\*">?. Am fit S^/z/stAlt 1$ 7 77 13 / 1 1 3o 42 S?2 js >s ? $5 >/ 2 0 I 75(7 44 383 nsj., HdV. is 7 113 21 / 0 1 3^ ^6 Zb\* 02 ('•\*»> ts ? HO 2l> 2 0 0 6a t G 4R HOSTS’ i ' i \*.TlA<^oL /5^>X“lfK 13 2 JCYj 2D 2 0 1 J3 1 ’ DETECTION LIMIT \IIORA1ORY USED — ANALYTICAL METHOD [Ooo //To (So iZSc <7?0 67° 17S 2ft) 8S 170 /IS /40 J1L 7o 7o 2oo iSa 7<~S tJQ 1X0 AMPLE TYPE .. C.kl.££. AMPLE NOS C.R.A. EXPLORATION PTY. LIMITED fG.<2.OAXCi0AJ DRILLING GEOCHEMICAL LEDGER '\*F' If > ■T-r f v w ri, 11\* i k r<r JO 0\*o ??O 270 <Z < 2 4£ S'5' \_Z£ ££ < 2 S 13 35 3 e 7o ?£ 7qo l££ ffro Ziv> l7S 2$ Hco lo5Q 7?o %o 7/<7 -o • O Oi Ox REPORT NO D.PO 3S2.Q HOLE NO.7V),7 ' R £.4... APPENDIX NO J£°£. PA(- J Z\_Q..Of.Z ( / fOM (NT SAmHE NO Kock-tW PL PS pc L< Gat P 1 Gr> S\ Cf TCI TC2 K lA TVk £3 Pb V? H7/S7£ (\<^k Jut 2U) !5l 7x 0 //£? 1<S 3 0 <2 20 ft 3S ft) 52 SV? ft 15 15 7 //2 /-/ 2 O O ?s ft rql faohSWS 70 IS. T /4? !G 2 O O 2o7 So sC SV? (Ir+fft go 3-o 2o 7 10S !4 1 2 0 US '( $7 111/600 fiO r> ) >04 /£ 3 O 0 ftog> So ■S bo 6o| jf u A-\*/A 6 0 S’ 10 7 2.(7 2 O 0 lift rr .0 602 id ah ff,» n 70 5 5 b 7 Z.7 3 O c? 7S So ft loS J P?A PSH’b itj, k (>3 5^> 10 Tf 3 H4 2 1 2 ( 0 /><■ 70 .0 bb 6o< &> to 1 Ho 23 2 (2 7(2 7o 6 a 60 S' 6t> 3\* /o 3 I 115 3ft / 2 0 L<(? 7o 7<? & & bo 7<5 3 S' 3 / •7 1 7S ’o 71 6o7 lol Q<i 60 IS -2 1 '24 33 2 / 0 ft? 3o ft 74 60S Put Ta, &U\*. To 60 jo 1 >29 20 2 2. 0 2S ft .76 to? /o to S 1 >23 24 2 I 0 2S I 7V btO 70 4 4- 'S 2 J 7 0 u To So 6 II do (If .y 4 ffrjrft '• fJf /o 4> 2o £. H4 24 2 O 0 CfO 82. 612 A/ (Hj f< Zo 4c> 2 122. 2/ 1 I a /S^ ?s 6/3 A fl -\b CA.Mlde 70 7\*> 70 'Sr i?{, 20 2 0 1 ?O Y &6 6/f/ ‘ V ga Oh ?O 2 Tr //# 21 2 O / 3o J SV (is 1 t>.J r-|.T f^tl SO 2J Tr /'£ ?-<? 3 O 0 / So 2S 0 ‘|O 6/6 M> -»!•<<. . b../ Jl\*€ 7° Tr /2? 20 Z / 0 U>e 2^ c\* 6/7 '• " ter. ij 7^ s Tr US 2ft V O 1 SftJ ZS t 74 6/f ■ ' B CiG |o=- 1 I2o 2o 2 O 0 )l>0 2? 4 46 <'7 VSf<7 /oo / 122 Z.I 2 / 0 ISJ 2o DETECTION LIMIT BORATORY USED r- ANALYTICAL METHOD Z'-y I CL\* 1^ So 75 100 11S /So /tf Ao (&o ~7S 3S es (So 50 I3o US 30 l<2 vd yl ~ Cl /° ss lio ns 3o IS (OD /o SO /o /aS ss 2P bS r 67 S' 7o S' 60 s~ ns S' 7S s ns 2 A O I O < a i O'-' -a 17° 72Q SlO /O5o 6Co //cP HSo /oSo 7^ /Ooo 6(£> Sjo W 65q Soo ?7o 2L2 J7o \MPEE TYPE, .y,Ss i‘o^ c.V\ps..... \MPIE NOS C.R.A. EXPLORATION PTY. LIMITED P^ecusyioA/ DRILLING GEOCHEMICAL LEDGER REPORT NO peo ?S2\-> hole no i APPENDIX NO^.QkJ50£\_\_ PAGE /A.OF-/L? I BOW ro int ft\* SAmPiE NO | (Zocut^PE PG PS LC &ar Cn Si c f ACV TCI K U (v, | G. | l(7/(S7- |S S' Tr Tr 2 V / 2^ //s Zt' s<=> £>S? $ 95 1 Z7ff 1\* 3 2 o 7o 25 So 10 SI mu "70 A 3 7 r o ? 2 I'M «?3 3 (? Q IS" 22 ZqO 70 ^y —J 10 70 5 Z /7J ?5 T 2 l 22 ,?o ?C se LU S 7$ 1< 1 /7J JO 2- l o 3o 22 go IS Co ~\*rvtid, rfr\ ■ / 1 '7/ 35 Z 7? 1 22 25 US 2o fco & 6<& - -2’ Z- «IJ t o 7o 1 1 no 3% 2 i I 2.o 25 SO 3S AZ (>S1 k/ .nl / T«M ” ’ to 40 2,? X 1 I 2o 2o 35 /o (jCd 1 4 I ?^> 7<> /7o 3 1 1 3 o 2o qo /o CCI ?o Tr Tr 3V 2. / / 2 2 2o 4^ !° 6? 7o ai ?o S3 1 /7? 37 1 2 o 5A ?o /?\*■ 3S 7° 2t\_ M 3? 1 /« 37 3 0 in 25 122 3o 72 -2k U(( & -/o V 151 3L / 2 6 32 >2S 4S H & <\* 4b Tr IL7 3$ 2 1 ?o 3o 45 22 2L Tr /u 7 1 1 IS 4-0 4G IS 7P w (0 fcOtJ KO S’! ?Q Lffl / \* DETECTION LIMIT ANALYTICAL METHOD REPORT NO.. ... Ppo K2O HOLE APPENDIX 'NO flrh.PAGE Pl/'' ?3o GS'o 2/,O 330 3-Q 130 /?£ /5T AM PI AMPLE NOS C.R.A. EXPLORATION PTY. LIMITED DRILLING GEOCHEMICAL LEDGER eossv.., \ FROM IO INT. ■ft iAMh E NO ftCKKf 9 P fl ?G VS PG LG Gat Ga Cl c ? TC| TCI K VX 'Vk fAo.j VL C . ‘\_b V’^ O 2 119/401 ?'■ Co — /?] 2G -> T 1 Co t/o r' t . f ■ 1 ?. j 2 4o2 lr c>-<B ' " /o 5o )0 40 1Zo 27 / •2 1 d 4s' 4^° 3 -j < / 3 a J 3k G 4o3 A-fUrC^ Ot-,k3 v < 30 4'3 4 U<3 2C / / J— 1 < ' 37 /70 15 4f>-’ G V A^4 /n 6' 9 /Z(9 11 2 0 /f- 7^ 630 1 S’ • J S 1° 4o5 V> - J Ji Coc.rV 6 0 ,-% 1 /7 Z4 2 0 0 ) '1 /os" 2?o 2 1 674 /o /2 40C \* (.'•"•■■" '■ »0 .r. r .„.. i 0 1 7-3 ? O '2 0 1 2 ( 2‘1O /nOO /80 1 T7 f 4 '2 /</ 4o? 0 • • 0» • ’- ■'. z i 40 T r /ZC 24 1 zl < r-' Z40 0(P 3o 1 5^0 «\* i (. 4o& • >:/..,. ■-. ... ( (.4 P) V >31 21 •- '\*) ?ro K40O fOJ 1 3^0 /b IY , . 7 4o7 1 .-•> ■ .?> /o 1/ >5d 2:1 1 < t US' b(O 7-4 1 /$• Jo 4/0 r. 1.- . 3-, 70 1 V 'V ofo -» <“ /•••- ‘ ,) / ' /o C 37Q 3-J -1 4‘> 1 20 21 41/ .' '/rc z-. - 3 > y-> 1 ~lr /5'3 zz ( 1 ’ 1 \_ ICjOj rr •- ( l t 2 - 22 14 M2 1 ; n Iff- ,// lf ,-j z 3 7< Z'l 1 ( /u.V SID S’-> < 1 670 Zf 2G 4/3 fr /rt, .j <.. yr 1 1 nl, <? ’ z 1 -) \*\* /Q.J / ?7-o 2C 2&' 4/4 ■> > 0 1 \ /H M- SI r (' 7 " 73 ^?O 2o 1 70-4 2$ 30 4/5 '..IC’v. ’■ ' 1 -> 70 1 f ' ? c 31 <2 r C GS 2?p 3^ 1 <3^ •.O 32 4/C A'ioo iL.-t >' rf“» T I 7 /2l 31 1 ( — » > 60 2-CL 23 1 350 32 34 4/7 , C .L/,/ ?0 5 1 7 125 2Z -) 1 t ’ ?'■ 60 2>jj 2-4 1 3C 4/1? • a.\*» lo ? 40 3 6 7 124- 'M C’J Zli'o 2l-> ) '750 ?C 3R 4i? 3oZ, 2o ft 1 U<] 21 ( 63 6 Vo 224 1 7iP jfr 4° 42o ■ - ■■ -,/A ?T). Z Z ~~ U ( i <21? /■ . 1 r r 7o 23® 33 1 62o 42 4-21 O\* Ls.l,/„k- 7b ? 2> 12 1 -7 / /? , 1 /. ? &s 23o 74 7^ 40 422 —I—— . ; l .1— 1 2. f^r 2 4 f 5 ? 75 210 25 1 7( t 0 44 423 FSbC /&?/ fit 70 2 1 /55 2.6 1 I 1 73 Z2o /<- 1 7?o 4<» 119/424 /OUx i/j S^ 3 2 Tr /2^ 24- 2 (') 4 6$ (35 1 7/0 DETECTION LIMIT LABORATORY USED - ANALYTICAL METHOD , ( 2.R.A. EXPLORATION PTY. LIMITED REPORT NO SAMPLE TYPE loGi DRILLING T>po HOLE NO Pp?5FUR SAMPLE NOS llll/ioi ■ . GEOCHEMICAL LEDGER APPENDIX NOlV- Qh ^2. ’AGE I n SAMPLE TYPE c..o\*,\_ SAMPLE NOS CR.A. EXPLORATION PTY. LIMITED DRILLING GEOCHEMICAL LEDGER REPORT NO D.Z?O. APPENDIX NO? 1 . HOLE NO 1 . PAGE 3 Cl /C j bom IO INT mf "SImHT NO (SockT'I (-£ f£ fS fc LO Gix< s G.> <A Cf TCI rc2 K u £'° > S»ivZ Pb ' I' j 1 v, S° 1/9/425 K 65? 1 1 . 125 zl 3 / 0 2?, So i/5 10 1 779 So S2 2/26 5 7^ 1 \*7 l?0 5L / O 27 180 10 1 67o 52 427 S3 ■>Z> T< Ir 122 2I ? 1 0 To h5 15 I ^8° SZ 5G 428 • .t» 3 / 2.4 0 1 0 3l /2S 2.5 870 56 58 429 Er’ 2 °. ? r T r no 23 3 0 40 as 2 1 SW 58\* to 430 7»L P 97 T Tr I25 /7 1 0 / 7o 3S los Zo 1 9 P E)O 62 48/ if/, ov «><•.%- L fLt.,Av? 100. - Tr IIS' 20 1 / 0 26 40 To 5 n ISZ 62 432 ) 2o 1 2 Tr in 22 ZL. z? 3 39 K< 2o c | 64 66 4tf Msr l4.'b- /O 2° 1 b ♦ l<. ll% K (> 0 0 £40 185 1 7 co 66 cs- 434 ^X J i^ ( l. fs-v,. O &> f 4 'If T ( I24 Zo ‘7 0 e 0? 85 /6co as ) 7< 4 o 68 7o 433 — >ot a\ z !=> Jo 1° So Tr 2 24 7 0 tj 2Ji 4D 4G0 2S I 7o 72 436 n 70 1 m 20 / 0 0 -”3 ?O /(5 JEL < I /J’S 72 74 4-37 lol Oik . 90 V US £< 1 0 D 9<-» 3o it? /O IfS 7<t 76 43? 'pE Z<w- ) e. p 7o Tr 120 22 I / 0 2-0 . 30 7o T <1 3s 7L 78 437 /A ■t|2-7:L .v/"\* 90 50 s h M 2 2 I 2 0 0 sS 230 /ao II0 1 7So Jo/ 28 S° 44^ pl t 74 ,|, ,-.-J , tc /••> u 9 y izi 21 0 0 0 65 /C|O Hit ISO \ <( a rJ "T | 8o 82 44/ H •• • .. -7' /° g ro 3 n I/4 >7 1 0 (1 75 G5 /95(, MS 1 P4’ j ■■> vz 44-2 — j— T7 „ ..... T-kVlO’. S=> 2 2 IfO 13 3 0 2c. OS /7?o 20 <-'. 1 i/j 1 -/ Vc, U <4? P^zJbZ /5? 3> 80 2 Z Tr Tr ld'{ 13 1 0 0 2io //oO ZS 1 86 88 499 t,L —/- 7 fc -^r' , ' fc ’ A<-ta?e JO 19 2 6 5 1 ■p 7 III It 2 / 0 ce PSo 2fo° (OO 3 .■, 0 ■ '.. 88 70 rj— 1^- J -- -aaU 10 fO /o Tr TP az 22 2 / 0 23, 0^ uCj 0 3^ J • ?J J ' / 7° 92 77 l n | ».—•>-• • rnL. 4° 40 /O (. Tr Tr in 11 / 0 /DO 32o /Jto /GS 2 Uk> <3 <J I <?2 94 iftp ^0 Zo 7 A V fiZ 2J 1 / O 77 (os 7TO So 1 551) 76 119/4\*48 7 n lo A~> C 2 7» ll(7 20 3 0 O 60 T° 26fo IIS I ?5 :) 98- DETECTION LIMIT 1 Al'O’tAIORY USE l> - ANALYTICAL METHOD i r.o.'i IO INT 1<F SAMPi £ NO Rocxr'i CE. ee PS P4 L.C, C<\r c G~ £1 C P TC| TC2 K u Tk T'7 Si. '.c. fb 7^ C. (% t \ 7G HW IO 7o 1 I- 'Xr /P 7 2. / / 0 To 5Up 4 5 c 1 L, ■' 75\* (OO 4 Sb .T-CM; 2) lo 2P 3 7 i f I'LL 21 : ) ”\* • > Co S' o v S3 <--1 42-.> /oo (02 4Sl '//■I- 0.,/, 71’ 20 I 2 / 7 1 ? 2 / L ■ f ) 1 45 4S" < 1 IO? IO^ 4 52 ••>■> So 2 2 111 13 v (J O SD 4^> ?r - 1 47v> lo<+ /o6 4S3 7s 4 l w ZX 2. 0 lLl r-7 4/0 85 \ 4?a |Ol l<>3 VW M, -b 67 P 3 2 JI7 2.1 3 O 0 LL AS\* ZTo 7T 1 5aJ 10'S Ho 4SS “7| ! t.J> 70 Z 1 120 7.3 / 0 0 60 27o 75 1 Sjo no 111 4SG ' C-- ■ 3 V 111 74 / 0 0 S3 3?o 55 1 7p It 2 457 70 6 7 111 15 X 0 0 S"o S3 a 75 27o //4- l/G 4SF ?o\«a c^rw 79 3 r/o 21 z 0 0 <L> 1 So 35o 60 ZCo HL HS 45? (G -V.J o.’a^A J /0 10 ) f / Hi z 1 0 1 40 ?SO 45 l III /to 46o 3 Ub r.-, 4° fo &> I I /25 2S 1 0 0 3r u o 22o 30 6 SO. llo 111 46/ r~c>~ 3’ 30 C9 1 Z l/ r f 22 2 1 dl\_ 32 40 150 3o 55« 112 1^ 462 e..,hv SO |3 2o 1 1 2.1 / 0 -7 / 40 27o 2o 1 6/0 P4- IlL 463 P.J.U ,?.<, 'ft r T< H4- ?0 1 2 D 7 s 47 Z5 6so I2G 128 466 P 0 Tr 10b 2/ 1 1 <2 32 40 22i> 2o 640 12$ I3o 465 S'■ . o ( ,:.u br 40 7> 111 21 + ■ 1 (J 2 3 3^ zgs /o ^1 5So I3o 131 466 |5.J > • ■ 60 Co 7 lOl 72 1 O 0 7 ?£ KS /o c 1 rz-> 132 467 W U 111 L3 2 0 0 ?L 3o /5 <■ 1 5<.t> j 1^ I3G 46$ 47 lf9 T- Tr 122 20 3 I 0 ?- /?o /o i 57 J 136 138 4.S9 cp \* C-, i,< J.- (£ to zs Tr Tr 111 !<l 2 1 1 25 SS /o <r I po I3& WO 47o ?£qa -U'.Vr ,,-U 70 V If J- 22 2 (7 0 -zT 25 70 (O c I MH /4o W1 47/ "lb |O V 10b 2.0 2 1 0 22. 2S 75 /O < 1 /z ?2 /P/472. fJTd -Mv /oo 7r 10$ 74 1 0 0 3? 2o 65 S <-1 3?" DETECTION LIMIT i j LABORATORY USED - ANALYTICAL METHOD bAMHLC IYH6 mhi tkCfc.'\*A>t..VS.A.. .tnh-i^U' || If f pf Pt \*V \*P wl»4|M ' I rrw< nwp|-Rimi 'IMJ&IUY. MJ\*I Tt\*H ™ wt f Mi«\* n M wsT !p HOI fi. NO Ka^V'm.'•' 1 IO 114 r TamplT NO «oc>; r x i CE PG PS ?q uq Gar P 1 Go Si TCI TC2 V; L\ TU, (-> <V1 < i. eu a. ‘/J r-k 1 .. - ' r J i2( (17/ Q73 loo 1 r ' iny /? 7’ f ’ / ) zs Z J s' ■' i 7^ -, ' t< /4 V 4 7c 5o If Ii4 20 2 0 (7 ■-> ■> 2/ 5Z> 2 < 1 2 '■ > !■/' i l 'o 4 75\* (Cci "D U 12 i 2 7. 1 ■ 25 6J r ■ 1 222z 1 jO 152. 4X. 1 r>9 lr //^ n < >-s 1 22 0 O' 5S" <r ■ 1 3io /‘>2 I5<< / 'ri 7 r T <■ /22 '7 y y 0 1 2=> ST IO / 3y\* f.r • < - • A (5L 2/78 J. , . (Xu,.-, " / ~ , III z2 ■ > < \* o - Z 2~o T Io -1 if O 9 1 > !', !‘5Z 47? - A ; »r . Tr w /■! •7 / 1 /) 25 7o 2o -/ 4co /5.' /6u 4 Io /o io Tr I2o 2.(7 I 0 1 7/ £\* /S 47<7 I(u IL2 48/ j>r T/ 72/ 77 2 (' r 7o //o T 6> j'j /62 Ibtf 482 <!'y k f ‘~ ■\* A 7 1 r Jo kT l<5 1 /r.4 !U W b z> 2o Tr > \*\* r f 21 < • • 1 <2 Jo (o7 /o S-. 1 b!O /c/> /68 6S(f 7? 7 > lr l£0 I'l x 7 1 n •' > 2S- (oO IO irt l7o 4S5 it Q H I7o (7Z 'M HZ /72 487 / > i J 1 < DETECTION LIMIT 1 I LABORATORY USED - ANALYTICAL METHOD i O 1 • -r- ( 2R.A. EXPLORATION PTY. LIMITED REPORT NO SAMPLE TYPE ... 5 tc C.O.55A .sa ..Xhi^? \_ — PG.&CAASf’/OAj DRILLING V.f’.O HOLE NO \k)?' L.. SAMPLE NOS... GEOCHEMICAL LEDGER APPENDIX NO £L. Ql 182.7... PAGE Qr from| ro ~ IN I Lt\_ 3 io 1° 12 12 A ic is- Zo XL LL 7c <-b • ? .e s. \ L> LL 4-9 /4 iG I? 2o XL 1G 3\*^ 32 3G 1 r < LX •7£ I Al’ORATORY USED • SAMPLE TYPE V\*J SAMPLE NOS IXmFlT NO flocx-v PG PS pa 4R Cttr P Y Go Si Cp TCI TC2 K U Th S.. > r Pb c. IlWS" So 2x> H4 /‘I 1 O 2 3S 4jo zr 486 /00 ! 0 7 22- 2 0 / /o 2o 770 .s 287 Zjft a'\* 7° h4~ 2o 2 0 / <? r ? S' 6S0 is 4?i' .2 ’ Z-o IlM 2+ 2 1 0 /G 2 To 2S 48? J?S IS 11O 9 1 0 0 7 - • 2S /?o 3° 47o 4 9 3' ia n JL 1 7) 2S IZS /S 47/ ¥> GP W / (2 <3 io Go !O 422 11)0 /r / 0 (7 »z Zo 6° P 4?J >S /(7G !?) / / 0 2." 20 I/O S’ 4% /s !»1 z/ 3 1 0 ZT /S CP 2 WS so Il4 ZG / z 0 Z\*.- IT ST s «X /03 nt /? / 0 / J T /S 4o (0 4$7 >0\* HZ zz 2 1 1 ? 2 /S 4S 2 4# MJ Z<?5 /'? / ! Go 2 W 7& / T’/ 7 <0 / c <•/. ■\* 2o 8S 2S inisoo 30 7o TS 1)4- 23 / 0 / '• , 70 Go Zo 5o/ 3 n V f > '3 zd / cJ t> IS OS' <2 S4>2 t ■•’ ,V A Zo 2o 4 <2 Sr ft;-7 ■'7 1 O 2S ST ro? '2 Rb ?,n r> 0-0 no 21 ‘i /) O 2o Goq ^2 5b4 •’■ /.' (•' l? 2 o 2 n // 2 :■ s 0 / 1 2S 77 SoS L £i:> 1 m 2 2 2 / 1 / // 5 2$ /Oi) SoG i '0 7 Z6 7. f> r? Vf , 2S n-J <0 So? 2 L 7 /IO 2.? R O /J' \* 2S 9T IS ih/Sc# , L. r.f:’’ 7? 6' 1 !()<? t "7 t ' 1 <2 / .• 3o 10 DETECTION LIMIT ANALYTICAL METHOD rcuS?\o^ cA-wpS < 2.R.A. EXPLORATION PTY. LIMITED REPORT NO .... r6.K.G^>v 10 so DRILLING pro SS Z|S HULL MO - — — GEOCHEMICAL LEDGER APPENDIX NO Obyso? < 1 I «Ei m, < ) 57<2 no 2iO /(,$• /(>S 2>c. .' C t O O(7> C;o 4‘0 cv rr- c F ROA’ fo INI REC\* mJ $AMPt t NO |\oct r-i f/i C£ PS 02 LC, 6<xr Gn Si C P TCI TCI o\ ( -b I gJ 2d ‘2J O 2 misis 1P> 2-^ (Jx 3 <7 2 2 o C2'( /co Im c» LtS w\_ 2 4 SV) 2b> 6b /55 3 i Z 1 2 !>.. So 2GJo 3o 1 Soo >7 4l r> Si 52^ i'.\*' 7 50 2. 150 2% -> / o / ■ 220 Z4 8SO 45 1/50 ('> 521 A ' n| t V. \ /5j 25 I c? ■-’?. Sgo Wo 65 1 Uo O.oj 'j 522 ■’ ■■ .?> esy ? /jJ 23 1 <2 L> Jr 7>o 2oJO 55 Cqo •3c| /It 523 " ’■/.» 7c\* 6 (32 25 z / o 2 < 330 3of0 25 Goo fo<>| n /$t ■\ >3. £V•. rxJz.V <A>,. ( £ (.9 7<4> \4p 2 s / C ' o > 270 7700 <GGo 5/o : 1 : -' /d 525 ■'<‘J. Or /n.GV 3o /O Z 14() —J 7- 0 c 1 4^00 Z35o 27o 1 ?53 < I :. ■ 4 zc /8 S2G (4j ’1-C 60 So 6 o 3 / 1 O r r> ~ (. 23q ?5oo ISO /OC> 0 c7 13 2o 527 ■' m 3^> Z 1 tjs 22 2 / <7 3<x> Sooo 24 a 1 820 0-GO 2o 22 52? Vtj $0 3 \_ 7 it (31 22 2 e c> 5"? 120 /SOO 7o 770 0-31 22 2i t STS X, 1 7'S> Za 7 S' Ho 27 / i c^> Zs^ 65 7550 ZSo I 5£,o 30) 24 26 td f- t» • <i,|. i\fy 76> ? 1 I3i 26 2 o / 4-g 30 7\*Oo 25 1 104 > 2C 2S 531 J z/o 6=> T V 1 25 2 (2 o S7 60 JlO /r ^1 2$ 3- 532 P? 2-0 Go T< /26 23 1 1 3Z 65 7(3 30 1 <-70 3\* 32 S3? 5 <\_> 27<> Tr \*T f (3G 25 / O 1 So 6o 4oo /5 <1 -So 32 PGlj . Cf-rH4.bc 2 ?o /o Io 2 T.’ 14 / 23 J / o SS 5^ 62^ 75 1 70 Oo| 3C 53S f Z\* i rh GZ /cx> /O 6 7,’ H3 2 c? 1 5o /ZTO 125 1 620 00 f 36 y\* S3G 1 21 i 7/>\ 5=> ? 5 7 131 22 2 1 <7 40 25o 75 5/0 JO) 3S 1 4° 537 '\* » lo 4o S o ■ 1 1 77 22 2 O / 55 I7o 2o < 1 ?5o Zo 42- Sj^ Tr Tr >4-1 21 1 o (7 Jo W /5 r) ?33 42 53<) /Oo !3% 25 1 / O /STO 50 J?O IS < / l?o 4^ S2/O Pbn^A 2<JZ 3o 6 (47 Zb Z / & '/O U 290 75 1 43° 46 11%\*?/ 01 ' i 7'»7. P 2- 1 74/ / o O 73 5o /CO /o < 1 250 DETECTION LIMIT 1 ABCJRATORY USED - ANALYTICAL METHOD i SAMPLE TYPE SAMPLE NOS pe r c '-< t C x o ( IRA. EXPLORATION PTY LIMITED pe^C-v^r^oA? DRILLING GEOCHEMICAL LEDGER REPORT NO ?.P.O 35 2(7 APPENDIX NOC’s^ IIOI E NO ,.^'b ..ylr.'J'Zsl. PAGE C -> r IC 1 1 llOfl IO IN I w SAMPl f NO (W<r-| p£ eo PS ft; LC Gar p l Ch S\ Cf TO TC2 k U TV S.M? fb - 9 \*\*> Cl. T, sq O f; So /I?/5</2 i° 70 7 V. 7< 7 \3G 25 3 I O v~ > 75 2(0 ^1\_ /osu s-o 52 5 63 Cd 6~> P 'TT 23- Z O PS" 9i° (2° 1 7to 52 S<, 566 Dll Cvl^.|f 3G 0 \*\* P 2L Z <7 t7 ZS /3o 760 3° 1 72o 5<f sx 565 2o 60 ■S' a ±LZ 23 I 2 I /Jo 70 ICQ 30 £ J S7o & G> sa 5aG /-> 7o 2 1 /3^ 2-5 -Z Cl O 60 70 (oo 2S ^1 175 5? 6o 5Cf) Hy.j> /.cP /oo 753 24 2 O L~ 6° cs (oo /O 270 Co 62 59? 65 SV 5 / 157 21 z O 0 d?- £o 2j^o 2^ <- 1 S7o 41 6p W k \c K>0 / 0 0 7? IIS /o <■ 1 ISO ^6 a rro cO,.\3>? h.'ZT,./J ->■> 6 145 26 <7, I O CZ 60 fOO 25 -= t 770 IC (>3 S’ 57 l/l 0—.... 1 00 2-g J / 0 /(<j G5. 70 5 < 1 155 ZF 7p S57 '■ 1 60 lr Ibl 2Q 2 / 0 7& <5 US 5 <. 1 05 7d 72 HI l?/2 <753 1 0 ?0 4-7 25 5 / 0 /) 65 US ZO c- t 2t'> 72 7^ 55<f /.o ?p 132 24 3 5 <7 .> T 75 35 15 C 1 2 7o 7( t 7^ 555 P 70 /26 2J ? G J / 60 (6C 2o c. ) 5C0 76 78 55C io> 3? >> 152 7o / 0 To /GO /O 2. \ 17 0 7? 1 So 557 I'OO / 2 6 30 I I I 6; 0 65 155 /O c 1 2>o So S2 5T8 2- \*6' 0 1 i24 34 I I 0 7 5o /<-fO /o - 1 220 32 86 SS<? loo 5 125 32 4 O 5 -31 0 70 /?o 10 1 5(0 86 <4o ?% k 33 /? / 1 •... /16 2 7 4 I O S?. 60 (50 IS < \ 7S'o n 83 56/ 7o f° T< >4t 32 3 / O So 55 155 15 c 1 6f0 33 Qo 562 /to Go z Tz- /5P 3/ 3 / O 65 125 15 1 CGo /oo 92 563 60 60 7r 136 27 I / 2 5o !(& Z5 1 Cfo 92 f a 26 So t/a T- 1 43 2A 2 / o. ■1- 60 (2.5 10 <1 6?o 7q 76 /(W 7/nlz -vT/T 5Z- 5 zr> Tr 2 T> \$3 23 3 (7 c? 70 •To /?5 30 1 T60 DETECTION LIMIT LABORATORY USED r- ANALYTICAL METHOD \ C.R.A. EXPLORATION PTY. LIMITED REPORT NO. SAMPLE TYPE =>..•>. Cr.YiAp?! — fGXCAASSJO A> DRILLING D.Po. 7s'2|-7 HOLE NO. ^..2. SAMPLE NOS . GEOCHEMICAL LEDGER APPENDIX NO(k-\_ OJ. /. Spc,.. PAGE % or 'v’t.'SSte FROM TO INT REC? rnTTHT NO Rcc<-t x iP(2 es fn LQ 5a r 4 Gr> 2\ Cp 1 TQ TCI < LA "Wk O 2 IWI572 20 8\* IO C I 2 1 1 O 1 2 S77 Z> SO 113 /? z 1 o 4 G 524 17 z« 7/7 Il1 /9 "> I r ? 6 £ S7S 3° 7o 12-0 Z'f 2 / 1 8 /o W So 3o 122 SO 3 2^ i /O \1 877 Jo Go '0 ISO XI I 1 I 12 I Z/7 57 /o W So 2 5 I (h 57? I’ 3ajt .L / ■ ( -A«\*4 3? 67 1 4 Tr i4i 3 1 0 /6 /? 590 pj ;—; 7> K i / 37 3! 2 a o /S‘ 2o 581 2/.o IO J, \*> T< ,,r 2 I 2 <7 c? 2n 22 SU 2 ,o %o 2 Tr l2 2 2 / 2, / (.7 22 S8>1 70 (£> 1/ 120 2 6 3 / 0 Z<t 2-6 /o X«^4 rjt^ic. ?o T7 I3o 23 z o 0 2(> 29 S3S 3> 7o 1 r (27 1^ 0 ^k. 1 o 2? 3c> 5^ 5 ys iZi> /7 1 0 o •• 4 32 59? 17 3 ?s (07 2o O Si? <— 'S 83 \ (Il /s '3 0 1 36 557 AC cj L r>.-' ( „ ?| r /s 75 //0 z 7i 2 ! o .1 33 5?o ? 5 2 >13J/I> a? p'|’' 2o 2o 7 V M JlL n / 1 97/ ^.A.,!.’.’ Al, IS. 7 77 IS 1 1 I \*4 J 42 972 !‘l Li z , »Jpi ?/^,p '5 7 (d$ 2 0 1 22 54 59? ns,i, ru\*. HO,,A. r /S 1 "3 21 ! O / <^C- <>6 /5 7 no 2 A 2 0 (7 ' t ( 58 II9/555- 'I A~fil ISL J ( L IL 7 )Cg 2D 3 o l T ’ DETECTION LIMIT I AIKHIAIORY USI 0 - ANALYTICAL METHOD r> R A. EXPLORATION PTY. LIMITED REPORT NO SAMPLE TYPE I QC f ioaJ DRILLING P.?O 3S2Q SAMPLE NOS .. — - - GEOCHEMICAL LEDGER APPENDIX NC ^t. IL fb 2^0 Z£ 12 85 70 ho ss 55 (Ooo l/Sa IfcO 65o l25o ^0 <<7° ?/o /Z5 2$) .55 i?Q /Q° H$ IQO I2S EiL 5g 2o3 1 7 L II IL LL ao I t) i i I : \* z I < 2 IQ Io IS ZS i 7q° 7j? 4-‘ ' <•■/•> ir <2 5 IS IL ??o ?5 ll\_^ HOU: NO fLr. Q.S..j£?.f... page/q.. orll. ■ 00/ o 01 -o-J) So /sS SOM TO INT $ SAmHI NO e£ PL /’S PG C<a.r p y CA S\ Q TCI TC2 Yc La 7Vx ca.x-. 117(576 /UfA ‘lA >51 s -7 I/O >2 3 0 L si S17 /—53 H ter', IS >5 7 H2 U 2 O O Co. <2 <7? A>- r /. s»is 20 IS. T !0<\ /6 2 O O 270 sC SY? Jo 2o 7 to^ 14 1 2 0 IGO 111/600 th nl> L&~> ro r> ) 104 >b J O O Co c :> rs Co Col f ir Z A £ 0 ? I07 2 O O I/O to 62 602 f-—.— /.IflG ff.h 70 5 5 U3L Z,7 3 O c> 7C 62 6o5 ‘ “ 7 it,J pCi vs • ’ E .3 . |. V /.a 5 Vr -} i 11 4 2 I 2 / 0 0 r t V 60 66 <2> to 1 I2.P 21 2 4(? (2 6o5 6^ 3 ■> /a 3 / /IS 30 1 2 0 / < >’ C.'ri 70 (p tic.\* Z<2 3 f" >25 3 / •7 1 1 /7 ( 70 72 (p? p\. 6” /> V 2 / f24 » -7 . O’ 2 / 0 9 ' 72 74 Ak la, f . 7a 60 ,20 I >2S 20 2. 0 /SO 74. 76 Lcf] /o to <r 1 '25 Z4 7 / e 7 f 75> bio ro A 4 >73 2 J 7 1 0 AZ i •> 6 fl l-’.G/..\*- Zo Z } 7,, £ 2 4 c? r> ■- 32- 6/2 T / fii /r 7o Zzo 2 >2z 2 1 / 1 0 / 1 P9 C/3 70 /O Tr 2o 2 0 1 /'3- 2i S6 ClQ Oh ?o D n 2, //^ 21 >7 0 / '.6 S? 6/5 H /J-P Hi ?o 7 "> Tr 112 3 0 0 I5o o 7p b/f t A/ J- ’e -M 7° 1° T< >2^ 20 1 0 G 0 A 42 6/7 '• " I'\* |LC» I.’ 4$ s 7r //s 22 s n / 277 n ?<f 6/f ■ - (V' 7’ io~ 1 I2o 2 0 0 Ibo 74 6/9 ' '<'i \ jl t‘ /O'\* / /ZZ z\ 2 / 0 IOJ DETECTION LIMIT L ABO R ATORY USED ANALYTICAL METHOD I 3£ j£ ££ So rs So jQ To IL jo 2S 50 C40 21 ?o 20 jo 2S 2S SAMPLE TYPE SAMPLE NOS . C.R.A. EXPLORATION PTY. LIMITED P^ecwssioA/ DRILLING GEOCHEMICAL LEDGER /I5 /So as Ao /8Q /So Ho £/£ [is /2S //£ //S /0.0 /tiS ££ 6S 6S 7o 1£ 4S 75 //S 75 (OP 7S g.S gs 50 ?Q 2£\_ 3o n. ' 2 /05b 660 2 lloo 2 l/ro 1 I0S0 TSo 1 /Oco 1 SZfO 1 ^Zo 1 72o I J\_ :-'2f) 1 TD 1 'jjo 1 Soo 1 ?7o <1 3/^ 1 ,??o 1 27o « 1 1 ? >7n c r 290 < \ <1 To — O O| 0-0) O-PI IS /o (a l£ 20 r 1 S' REPORT NO.. Pfo 2S2O HOLE NOJ^H’\* APPENDIX NO ft-.Qkl^L, PAGE //.OF 111 tOM ro INI 4AmM NO RocxT'lPG CG PS LG Sir r Y Cr. Cl c f TCI TC2 u t^V»C. SuK Pb (U n?/to> % s S ’ 1 / o /<?\* 23 7° JS -1 07° fOO C2I CSf i’t /> L.» l-Mw J\* 70 ?> 1 JAL 2. 1 z 0 o ///> 6r 2o 1 i b lo 2 122 «\*•- aIi-V &> 2) 2 ns 2^o 3 o o lP-0 IS So & ol /o$L /(>(, (M \-k CJJpc C ,f “o|c-V So So V 12.S C2 <7 !■::> (" iS SI’ 20 -• 1 Q(>0 UCf (2l t ~— 7 " • " ' .17(1 Ao QO Tr 7\_ 3 2 3 / /'M 2p 23 32a c c 1 o ft t . ., > V 2 9 2- o 1 2 2o 3\* /o ■ ' 0 (2L ’ ~?t> >r >22 2'0 n <7 f? 3 /< 10 10 1 3(/> ' 0 /i2 OJ o ?.S> Tr I2o Z3 / n o /St is 6o 10 1L it LLkl Ilk. f OH /f L C21 DETECTION LIMIT ABORATORY USED - ANALYTICAL METHOD AMPLE TYPE AMPLE NOS Ce r Co.S>v cVx\^>S ( 2 R A. EXPLORATION PTY. LIMITED P£&oa<^ioa/ DRILLING GEOCHEMICAL LEDGER REPORT NO t>po ?.C2/“? APPENDIX NO f 1 ' IIOli: NO\- : ' V : O\, ' ,p ) :7 p AC | /.? ' fif l'< |: :!JM IO UH Samh f NO (UcKTI P£ CE. PS pa ca <A\*r 6 Grs TCI vci LA Cb 22 Ca .'i, Ll'l.: (. • 2 1 o> /7S 4o ') (' /6 6<> 1 ?o /o ■■ 1 2 7 627 G’ 60 / 75 3S 3 1 / Qf 270 AS 1 ?7o 1 ... / t» 6 6J/ /<>. U.,...... 79 ‘l<7 n fo 2 — /77 /7? ?6 43 / 5 7 () (2 / /5 2') 270 So 320 27 0 /fao 77o G I 6 l> • 0 .>/ 5- /O 7JZ .. ? 3 7 3 / 2 3 O Jo 6?o 6V0 1 0.-' ■: /O II 6n iru r... <~r ->j 4S 7s T /$3 7 3> C> / 2L^ <43 6To boo 1 27-3 o-u? 12 /</ <<& 51 e <v V. \* l , \* r ' 6 \*V ■> //.O 1\* 7 H! 2l 2 <G’ c? 4So 32# 2 /<4 IL US /A 7> \ '<& 37 2 e2 n 370 3/0 1 53b a /? Ub, f v. >.' L -A , 9S 7<? Z / (2 13 3S l^a LiP 1 37j i? 2o LV> 6r> S' ? 7^2 3 2 / 4? 770 743 1 67j 2o 2? Ln iv.v. k ^...-v acx 2 <’ 4 3< f !7>o 36 I 3 O n 4S 5»o V Ho 22 24 677 7o 3 rt </ 2- no 3 5 3 2 1 5'c? 40 5^o 60 1 72a 26 66° /TU w •jO r 6 7 if- 7 /<7p 3 4 2- / 1 Ilo ?3 32o 7S 1 i>oo 26 64/ /M- 2o G o -> a. z /"fi6 33 / 2 0 n 30 2\_s>o QP 1 7(^> ..JIS. 3o. 6/2 cm -^../.K/t .1\* 70 lo 2 Z m 32 4~ / 2. 4-7 3o IS2 40 1 <7?o 3° 5 LU ’ i . /■> . (i < ■ 7r / •» 2 G- 172 ?y / (2 / SG 2S 173 40 1 <70 32 < • 79 /O 1 z /?2 35 2 1 O 2? 2S (2S 2T 1 6qo 3<f 3L\ L><£ <■'. I- .\* t, ..■ Lo 4/ 3 37 2 O I n 2S HQ 4S 1 370 3L 321 646 65 jr 3 >73 4o 3 2. 0 1 -0 2o 43- 1 4/0 3? V°! 6P 'i »«• »i (ii ... To 3z> 2 (lo 33 3 2 O 2S 133 30 1 <co 40 1 U8 go ZD 2 no 4S 6 2 0 32 2o /<° 2^ i 42 44 6U ?9 /0 1 ns 25 3 0 O n- 3o /3S IS 1 2<4 3 {G £5o iVIV. 6« 70 1%5 3b 7 Z 0 ?4 20 /go /S —f— 4?° 4(> ltd 3o z o 3=> 4- 7S 35 2 1 / 27 2S /35q 2o 1 7^0 r~^— DETECTION LIMIT 1 LABORATORY USED j- ANALYTICAL METHOD 5AMPLE TYPE SAMPLE NOS \_ Cer C^SSAorx cV-x‘p5 ( 2.R.A. EXPLORATION PTY. LIMITED Pe.fi.OASr ioa? DRILLING GEOCHEMICAL LEDGER REPORT NO DPO 35217 APPENDIX NO P.5. HOLE NO 5<>'‘< PAGE /? of II FROM TO INI w SAMPLE NO (Wklyf £ PG PS PC i~a Gar Co Si c f sri TC2 < U rue. S«ii (V <T At - .^- 1±L 1— S'o II7/62L I s S' 2,n v Tr. /?3 34- 2? C> / <' - ?< 2o //2 2o 22^ S? 6S? <r ?s 1 >7% x% 3 o c2 J>o 22 go /o \ r?o S2 £S(< /Ju 'IO A 3 2 o fc\* 2 ’14 73 3 Q c ■? t— .-> ..) 22 90 ! 7;d \*9 26 tS'-T —-) (o <^0 5 2 /7J ?5 3 1 "> JjS 22 ;?o .A? 2Jo SC s\*? 6-^ L> r> K 1 /7J SO 2 1 (2 Sc? 22 80 /2 r 1 /GS" Sfr Co 62) . (G r, n Ao 9° / 1 W 35 z (2 1 72 22 US 2o 1 GSo Co 62 6 SR ■■ ,' ; S/'.I Co 7° 1 / no 2 •7 I , ’ o 22 90 35 / 3 -0 A 2 A9 IM tn- 1 < «\*• \*m1 /Jy tV Go 90 un 2.? z 1 I 2 & 2° 39 /o < 1 130 cc G6o \* 4 . Jo I7o 3 1 1 3 o 2o QO /o r 1 (C a CC) 7- 9/z> Tr Tr 2 / / 2. 2 2o 9S- !° <■ 1 !SS (S Zo CGI .ZGL SJ 1 ML ML L -> S’ o /‘h ?o /K 3S 1 ?5'> 7° 72- az 3^ 1 IS9 ?7 3 1 0 22 ns 30 1 22' 72 ?9 U(f Jo T< HzL 3b / 2 o S’ 72 129 ^2 ACP 79 ?(. as 4^ ■s Tr /W 35 2 1 1 3° 22 \* 1 ^40 76 77 ia 2\* Po U 7Cb ?? 2 1 1 IS Ao 9^ /S fJ3o 7? U5 (-OH l J \*K0 ax 1— 22. R9 an / - y -1 i —1— DETECTION LIMIT LABORATORY USED ANALYTICAL METHOD I SAMPl £ TYPE i 5AMPI E MOS ^rCi>.$s io-s CkC^C ( IRA. EXPLORATION PTY LIMITED REPORT NO n f~ , \ r- / ’ /> <" •— - — f E.K.CAxtsj O<v DKILLINU GEOCHEMICAL LEDGER ppo ? <72l 2 APPENDIX NO ^ r ,z HOlt NUU'i.ii'G- Q6 J - fl( 6.\_ page h r ‘‘

APPENDIX 4 SIROTEM PROFILES r >jV/A 030 \* '-tOu McSKIMMING GEOPHYSICAL SERVICES S1R0TEM SURVEY CLIENT .,.5..^ AREA iza-tJ.\*'.?..?. LINE N2 ?. j -o- LOOP CONFIG.A. LOOP DIMENSION STATION INTERVAL i STACKS SFERICS Q.5.5. INST SERIAL NQ 0 P E R ATO R . 3 . ...r. 2. ■> ■- t. 1 DATE AAr..Ar...U LOOP DIAGRAMS ETC. i> J XeY —• At X. A Ce-7-J \*=• z ' -7 - 7 ■ A y A2 ^V/A 1030 McSKtMMING GEOPHYSICAL SERVICES S1R0TEM SURVEY CLIENT.. C v AREA . .I:/\* LINENS 2 ; ; c n LOOP CON FIG. LOOP DIMENSION '°C.-.... STATION INTERVAL S.P-.... stacks yj..?... <r SFERICS INST. SERIAL N2 OPERATOR ' •'V DATE LOOP DIAGRAMS ETC, 7 < i7 i “ Mr,} . < pV/A 1030 McSKIMMING GEOPHYSICAL SERVICES SIROTEM SURVEY CLIENT A.™ AREA z.y £ .\L v LINE N2 LOOP CONFIG LOOP DIMENSION STATION INTERVAL STACKS SFERICS o.F.r INST. SERIAL N2 ZSLU OPERATOR DATE .30.-AL LOOP DIAGRAMS ETC. M CO, vm -'i 0 T X 7. ' Cl. ~ jiV/A SIROTEM SURVEY CLIENT AREA = ; .- LINENS LOOP CONFIG LOOP DIMENSION STATION INTERVAL STACKS SFERICS INST SERIAL NS OPERATOR J.'.c.:\*... DATE LOOP DIAGRAMS ETC. jjV/A S1R0TEM SURVEY CLIENT A •" LINENS AREA LOOP CONFIG LOOP DIMENSION ' OPERATOR •..WUSt DATE 3fc.-..2..-.5.A STATION INTERVAL ...£Q..^ STACKS £!.X SFERICS .................?..=? INST. SERIAL N2 ' U.t LOOP DIAGRAMS ETC V/Arf SIROTEM SURVEY CLIENT AREA LOOP CONFIG. LOOP DIMENSION STATION INTERVAL STACKS SFERICS 2.^ INST. SERIAL N2 Z.kii OPERATOR DATE LOOP DIAGRAMS ETC. tf/Arf I SERVICES LINEN2 77..^ SFERICS Q&-. INST. SERIAL NS. '.Z.3.L OPERATOR .?.... DATE U- ..7.-3..^ STATION INTERVAL ....r.o.Tx... STACKS Z.'.i SIROTEM SURVEY CLIENT AREA LOOP LOOP DIMENSION L.Q.Q.^ LOOP DIAGRAMS ETC. ciw d ; ^ox\*\*€z\* ’To 1 \* X jjV/A DATE LOOP DIAGRAMS ETC. j SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG. / LOOP DIMENSION : STATION INTERVAL STACKS ^.'.2 SFERICS INST. SERIAL NC OPERATOR V/Arf SERVICES LINE N2 \*LQ. SIROTEM SURVEY CLIENT LI?.:? AREA LOOP CONFIG. LOOP DIMENSION STATION INTERVAL ....S.o STACKS -T.'A. SFERICS ar.- INST. SERIAL N2 '.2..3.L OPERATOR DATE 3.A..-...7...-..S.U LOOP DIAGRAMS ETC. ~ J ■ i q U p-\*-\*- r - V/Arf LINE N2 LOOP CONFIG. ....£.v.!<..: LOOP DIMENSION STATION INTERVAL.... STACKS S.'.i.... SFERICS C’.r. r INST. SERIAL N2 i.Z.li OPERATOR , A-i i\*\* ' A/' DATE ( - s - LOOP DIAGRAMS ETC. SIROTEM SURVEY CLIENT AREA ^V/A SERVICES SIROTEM SURVEY CLIENT AREA LINENS 5.^7.- LOOP CONFIG J. LOOP DIMENSION STATION INTERVAL STACKS SFERICS :^.r. INST. SERIAL N2 OPERATOR DATE ( - S - 5C. LOOP DIAGRAMS ETC 7. J i S ^V/A SIROTEM SURVEY CLIENT ,c.y.£. AREA LINENS LOOP CONFIG LOOP DIMENSION STATION INTERVAL .....ZG-u- STACKS ■.r.'.L SFERICS Gr..?. INST. SERIAL N5 '..Z1L OPERATOR DATE .... LOOP DIAGRAMS ETC. V/Arf | SIROTEM SURVEY CLIENT C.S.ZU. AREA LINE N2 LOOP CONFIG....4~/t LOOP DIMENSION STATION INTERVAL STACKS SFERICS 0..^. INST. SERIAL N2 '..U.L OPERATOR DATE LOOP DIAGRAMS ETC T J u V/Arf f,C . 2 ~ o u a < © e 000 u Oi u • o 3<jv 'o\*co e LOOP DIAGRAMS ETC SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG.. at-.. LOOP DIMENSION STATION INTERVAL STACKS Z:.\*. SFERICS 2.^. INST. SERIAL N2 OPERATOR DATE i..-....t..-...'iA ^V/A 5 LINE N2 SiROTEM SURVEY CLIENT AREA Sj. LOOP CONFIG. LOOP DIMENSION STATION INTERVAL STACKS SFERICS S'Jr.z. INST. SERIAL N2 !.U OPERATOR ya i.w, DATE („T...S..r...U LOOP DIAGRAMS ETC. C-H a c-1 v <r ' N <^n. S') C-Cfr 'VC' tv ■Lo Q, cdJ-td S' 0 O^c, ■»• % 0 ~ d./’O—f" b-ijvfv\* » ,J <vivn^ 8 6 Q i> AJ P O O< '■ ^V/A LINE N2 DATE .5..:...!^ SIRCTEM SURVEY CLIENT AREA LOOP CONFIGL LOOP DIMENSION STATION INTERVAL STACKS Sl.'.I SFERICS Cl.U INST. SERIAL Nfi 'A3.C OPERATOR LOOP DIAGRAMS ETC. ~ \* O c ^V/A SIROTEM SURVEY CLIENT CAff AREA LINE N2 LOOP CONFIG. LOOP DIMENSION STATION INTERVAL .......5^- STACKS ffX SFERICS CJ.ff. INST. SERIAL N2 Z.U.L OPERATOR DATE LOOP DIAGRAMS ETC. 1 O 1 jjV/A 'V ' •J C. 4. '•i ' V £/! SERVICES SIROTEM SURVEY CLIENT AREA LINE N2 LOOP LOOP DIMENSION STATION INTERVAL STACKS SFERICS INST. SERIAL NS OPERATOR ?. DATE LOOP DIAGRAMS ETC. V/A\* i I GEOPHYSJCAl’i SERVICES ! SIROTEM SURVEY CLIENT . AREA LINE N2 .<?o.^.v LOOP CONFIG. LOOP DIMENSION STATION INTERVAL STACKS SFERICS Q.^. INST. SERIAL NS OPERATOR OATE LOOP DIAGRAMS ETC. ^V/A 4 I t J t I } I I j i i j i i GEOPHYSICAL SERVICES S1ROTEM SURVEY LOOP DIAGRAMS ETC. CLIENT AREA LINENS LOOP CONFIG A LOOP DIMENSION > .o.C.^ STATION INTERVAL STACKS T.'.A SFERICS INST. SERIAL N2 '33..C. OPERATOR OATE V/Arf SIROTEM SURVEY LOOP DIAGRAMS ETC CLIENT AREA LINE N9 - LOOP CONFIG LOOP DIMENSION ............. STATION INTERVAL ..... STACKS SFERICS INST. SERIAL Nfi . OPERATOR DATE jjV/A LOOP DIAGRAMS ETC. GEGPWSCAU SERVICES I SIROTEM SURVEY CLIENT AREA LINE N2 : LOOP CONFIG LOOP DIMENSION /.P.S? STATION INTERVAL ..XP.^.- STACKS S..a................ SFERICS QZZ INST. SERIAL N2 J.22L. OPERATOR DATE jiV/A ) SIROTEM SURVEY LOOP DIAGRAMS ETC. CLIENT c..««e AREA LINE NS LOOP CONFIG LOOP DIMENSION L.Q.O..^. STATION INTERVAL S.^.„ STACKS Sj.x SFERICS .O.ff INST. SERIAL N2 LU.fe..... OPERATOR DATE .'L.-.-'t-.-lt ^V/A SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG ..^.d...^....W. LOOP DIMENSION STATION INTERVAL STACKS AZA SFERICS INST. SERIAL N2 I.V..3.L OPERATOR DATE LOOP DIAGRAMS ETC. V/Arf fl ■ VCK SIROTEM SURVEY CLIENT AREA .R. LINENS LOOP CONFIG LOOP DIMENSION STATION INTERVAL STACKS SjX SFERICS INST. SERIAL NS OPERATOR 1 DATE LOOP DIAGRAMS ETC. jiV/A j GEOPHYSICAL I SERVICES ! S1ROTEM SURVEY CLIENT AMi AREA £.!..o.k? w.’r LINE N2 ....... LOOP CONFIG LOOP DIMENSION :.e.^ STATION INTERVAL STACKS to SFERICS fi.Fj: INST. SERIAL N2 '2..U OPERATOR DATE LOOP DIAGRAMS ETC 1 . U < M y jiV/A ! SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG. LOOP DIMENSION !.Oo^. STATION INTERVAL TP STACKS SX1 SFERICS .P.EiT: INST. SERIAL NS f.S.U OPERATOR DATE LOOP DIAGRAMS ETC. r . P . ’ V MziJ. c ^V/A SIROTEM SURVEY CLIENT. ..GAas AREA A 1 s i ’ LINENS LOOP CONFIG.. \*’\*\* Zv-v LOOP DIMENSION STATION INTERVAL STACKS... V'2. SFERICS G.l:.;’ INST SERIAL N2 1^.^. OPERATOR DATE... <■> LOOP DIAGRAMS ETC. jiV/A SIROTEM SURVEY CLIENT AREA LINE N2 \*>. LOOP CONFIG LOOP DIMENSION !.QP..^ STATION INTERVAL STACKS 5.J.X SFERICS INST. SERIAL N2 !..^b OPERATOR P. DATE LOOP DIAGRAMS ETC. jiV/A GEOPHYSICAL SERVICES SIROTEM SURVEY CLIENT AREA LINE N2 ^S.^. LOOP CONFIG ....S.'Z.<.^... LOOP DIMENSION STATION INTERVAL STACKS S'.!.! SFERICS C.f.5. INST. SERIAL Nfi OPERATOR DATE LOOP DIAGRAMS ETC. SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG LOOP DIMENSION STATION INTERVAL... STACKS S....:-7 SFERICS INST. SERIAL NS ;..^.3.c OPERATOR OATE LOOP DIAGRAMS ETC. V/Arf LINE N2 LOOP DIAGRAMS ETC. S1R0TEM SURVEY CLIENT AREA LOOP CONFia..Xv.s...~ ....W LOOP DIMENSION ! . STATION INTERVAL....,...^- STACKS L'.l. ............ SFERICS P.f.r. INST. SERIAL N2 :.2.U. OPERATOR DATE jiV/A t i I f i ! I 1 I l i i G6DPWYSCAL SERVICES SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG LOOP DIMENSION '.P.2~ STATION INTERVAL STACKS T..a SFERICS 0^.... INST. SERIAL N2 L2J.U. OPERATOR DATE LOOP DIAGRAMS ETC. V/Arf SIROTEM SURVEY LOOP DIAGRAMS ETC. CLIENT iXAA.e AREA LINE N2 2..q.2.^. LOOP CONFia....ilv.«..^..../\*?3.. LOOP DIMENSION /.q.p .m.... STATION INTERVAL STACKS S.t.i. SFERICS Q.f.f. INST. SERIAL N2 OPERATOR DATE jjV/A LINE NS lq.2.^ LOOP DIAGRAMS ETC SIROTEM SURVEY CLIENT CftR.G AREA LOOP CONFIG. LOOP DIMENSION STATION INTERVAL STACKS SFERICS .Pf.r. INST. SERIAL NO OPERATOR DATE jiV/A i 'O'c-u ,'oZ^o ma-cze. •) R' v e SIROTEM SURVEY STACKS ....£.'2. SFERICS Qt\* INST. SERIAL N2 LU.t OPERATOR «M " i < > "V< STATION INTERVAL SE DATE ±..~. CLIENT .C...O.A AREA •!?.j..e.s.^.’.jsi.,4 LINE N2 i ..o..ft-..r.Q..'v LOOP CONFIG .^.6.. ..^.....4m LOOP DIMENSION LOOP DIAGRAMS ETC. : T, J , ^V/A STft\* ?> f\*k.r> SIROTEM SURVEY LOOP DIAGRAMS ETC. T o CLIENT AREA LINENS ....... LOOP CONFIG. LOOP DIMENSION STATION INTERVAL .>57.^ STACKS SFERICS INST. SERIAL N2 OPERATOR DATE jjV/A AR.L LOOP DIAGRAMS ETC. SIROTEM SURVEY CLIENT AREA LINE N2 'qaW. LOOP CONFIG LOOP DIMENSION STATION INTERVAL ...... STACKS SFERICS INST. SERIAL Nfi ...il.u OPERATOR DATE rr.r...:.A..?A SIROTEM SURVEY LOOP DIAGRAMS ETC. V/Arf ! i < CLIENT AREA LINE Nfi . LOOP CONFIG.....U\*. LOOP DIMENSION STATION INTERVAL STACKS S.;.Zs SFERICS .C.'f.f INST. SERIAL NS i.ll.L OPERATOR ?. ^7. DATE V/Arf -JOOO icccc |'0(CO SIROTEM SURVEY Cl IFNT ■-\*- AREA . L— 'X, c LINENS < \*■'' C'\_ iXj LOOP CONFIG. £ td • /< <\_ < LOOP DIMENSION... STATION INTERVAL STACKS Si 2- SFERICS INST. SERIAL Nfi OPERATOR 0 DATE .< s - f -w= LOOP DIAGRAMS ETC. jiV/A geophyscal' SERVICES SIROTEM SURVEY CLIENT AREA LINENS LOOP CONFIG ....A U'vP LOOP DIMENSION STATION INTERVAL .. STACKS S/2- SFERICS off INST. SERIAL N2 OPERATOR DATE Q..:.'. < - LOOP DIAGRAMS ETC. \*rr'v‘> >jV/A 130 10 1 0 -1 -io -wo -«ooo “Uoo ' JCcd 0 iC ■ ovo^i OPERATOR DATE v. r ..?.-..^. GEOPHYSICAL SERVICES SIROTEM SURVEY CLIENT.... c..\*.\*. £ AREA LINENS: j W LOOP CONFIG ...RvA.^...t«.^... LOOP DIMENSION ..!.!?£>..■» STATION INTERVAL. ...£o^ STACKS SFERICS INST. SERIAL N2 -23c LOOP DIAGRAMS ETC V/Arf geophysical' SERVICES S1ROTEM SURVEY CLIENT AREA LOOP CONFIG LOOP DIMENSION ; STATION INTERVAL STACKS T'.?r. SFERICS 3,<:r INST. SERIAL NB ,2\_l.u OPERATOR DATE a..7.3.:..5.t LOOP DIAGRAMS ETC £ i<t ( I t LOOP DIAGRAMS ETC SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG ... LOOP DIMENSION STATION INTERVAL.....®.^.— STACKS SFERICS azf. INST. SERIAL N2 /.ixL OPERATOR DATE jjV/A SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIS..../UU.^.....^ LOOP DIMENSION /..a.ft.m... STATION INTERVAL STACKS £/. i SFERICS Qf.?. INST. SERIAL NS /Aik OPERATOR DATE LOOP DIAGRAMS ETC. >iV/A . OOOJ iO!0o I02&O 0500 iOU-OJ <0700 /Ot«» IQ-IOO e. SIROTEM SURVEY LOOP DIAGRAMS ETC CLIENT AREA LINENS LOOP CONFIG LOOP DIMENSION £.qp..^. STATION INTERVAL ,.50.^ STACKS r.'..V SFERICS o.tr.£ INST. SERIAL N2 OPERATOR i DATE V/Arf SIROTEM SURVEY LOOP DIAGRAMS ETC. CLIENT AREA A'.if.ku'./v.w LINE NS ... LOOP CONFIG. AyA..^..-^ A LOOP DIMENSION STATION INTERVAL STACKS T'.i. SFERICS INST. SERIAL Nfi ;.A.U OPERATOR DATE.....:.-......S.-J.t ^V/A SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG A.-/A. LOOP DIMENSION /.P.<?.^..„ STATION INTERVAL STACKS $11. SFERICS INST. SERIAL NS U.i.v..... OPERATOR DATE .7.- LOOP DIAGRAMS ETC. jjV/A SIROTEM SURVEY STACKS J' 2. SFERICS O'- ' INST. SERIAL N2. t.m OPERATOR .?... STATION INTERVAL ....S.O.., DATE X'..U.3£ LOOP DIAGRAMS ETC. CLIENT AREA LINE N2 LOOP CONFIG av-S- A LOOP DIMENSION V/Arf X3DO SiROTEM SURVEY LOOP DIAGRAMS ETC CLIENT AREA LINE N9 LOOP CONFIG LOOP DIMENSION STATION INTERVAL STACKS SFERICS ©f..S INST. SERIAL NQ AUL OPERATOR DATE I I I I V/Arf i T fl -J n A M ">oOO lon>a :01OO |O1O\* (04-00 lOSOO ''OfeOO (o^o ’OSoOt' SIROTEM SURVEY CLIENT c&.m.... LINE N2 LOOP CONFIG. LOOP DIMENSION /.Q.a STATION INTERVAL S.C.x.. STACKS s.-.z, SFERICS o.'.:£ INST SERIAL Nfi OPERATOR DATE LOOP DIAGRAMS ETC jjV/A DATE LOOP DIAGRAMS ETC. SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFiG A LOOP DIMENSION STATION INTERVAL STACKS SFERICS INST. SERIAL N9 OPERATOR | GEOPHYSICAL SERVICES DATE LOOP DIAGRAMS ETC SiROTEM SURVEY CLIENT cAAt AREA LINE N2 ..... LOOP CONFIG... LOOP DIMENSION STATION INTERVAL 5. W .m.... STACKS T/.L SFERICS tec INST. SERIAL N2 OPERATOR pV/A c. H « a SIROTEM SURVEY CLIENT AREA cn.Mh-.’.A LINE N2 .iz.z.z.'j.v. LOOP CONFIG LOOP DIMENSION l.P..a. ~... STATION INTERVAL STACKS 5.0. SFERICS P.f.c INST. SERIAL N2 Ll.lL OPERATOR DATE LOOP DIAGRAMS ETC. M J Petx'i £A'J' Qf. II ’ t jiV/A GEOPWYSCAL SERVICES SIROTEM SURVEY 55 CLIENT AREA Q.r.'.Q.n.^/..s LINE N9 LOOP CONFIG 1^.5..-..^' LOOP DIMENSION STATION INTERVAL Al\*- STACKS ax SFERICS .C.f.£ INST. SERIAL NS Al.fc OPERATOR OATE LOOP DIAGRAMS ETC. \* J \* £ Ir i £ Pl S T 0 - f I ■ 0 J t oeoR SERVICES •DO SIROTEM SURVEY CLIENT £..A-ft.£ AREA LINE N2 i JO LOOP CONFIG...A'M.. ( ’\*...ZW LOOP DIMENSION V/Arf STATION INTERVAL STACKS £.'.^ SFERICS INST. SERIAL N5 '>.?L -1 operator 'Up date -10 -JOO LOOP DIAGRAMS ETC -1000 TOD- ^V/A -lOOO A47C LOOP DIAGRAMS ETC. SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG.. LOOP DIMENSION ! o. STATION INTERVAL STACKS 5.’ A SFERICS p.5.£. INST. SERIAL N2 OPERATOR ?... DATE ^V/A -»oo SIROTEM SURVEY CLIENT AREA LINE N2 LOOP CONFIG. LOOP DIMENSION STATION INTERVAL.. STACKS X.^ SFERICS X7.7 INST. SERIAL NS OPERATOR X.~.r..ta !.%! .10^ LOOP DIAGRAMS ETC. <v\* ^ •\*\*\*-<-\* 'V: J\*'\*'.\*. /■■—.<. -£• ''X/ Tt.Lx' V’\*'\* c ci-i-Zc\*". A-n.\*-/ ff-'' s l - DATE «... | ! 3 i jjV/A ;... S1R0TEM SURVEY CLIENT AREA. LINE N2 LOOP CONFIG LOOP DIMENSION : ?.<£:>\_ STATION INTERVAL STACKS SFERICS INST. SERIAL N2 /..S.’i OPERATOR DATE LOOP DIAGRAMS ETC. SIROTEM SURVEY jjV/A •HOOO LOOP DIAGRAMS ETC. CLIENT AREA LINE N2 LOOP CONFIG A LOOP DIMENSION STATION INTERVAL STACKS £’.-u SFERICS INST. SERIAL N2 2i.iL. OPERATOR OATE jiV/A -1000 GEOPHYSCAt SERVICES SIROTEM SURVEY CLIENT AREA u. LINENS LOOP CONFIG. £la...~...jW LOOP DIMENSION SFERICS INST, SERIAL Nfi ' OPERATOR .. DATE 5..... ..L-..X.V. STATION INTERVAL....,..?!?.-.- STACKS LOOP DIAGRAMS ETC. WAf< -®oo SIROTEM SURVEY CLIENT AREA LINENS LOOP CONFIG LOOP DIMENSION STATION INTERVAL STACKS 5.:.“. SFERICS Q.i\*. INST. SERIAL NS !^„ OPERATOR DATE LOOP DIAGRAMS ETC SIROTEM SURVEY 68 CLIENT AREA LINE N2 LOOP CONFIG. LOOP DIMENSION STATION INTERVAL STACKS SFERICS v.-- INST. SERIAL N2 Q.S.t OPERATOR DATE LOOP DIAGRAMS ETC.

CHILLAGOE LYNDBROOK BASE METALS ANO GOLD REPORT MOUNT SURPRISE A to P 3973M LOCATION 0 10 20 30 KILOMETRES 144\*30' C R A EXPLORATION PTY LIMITED Ref: GeoC Drawn: SE 55-5 D.C.E S.R. Scale: 1:500,000 Report No: 14680 Date: AUG. 1987 fplanNo: Qb 2446B

/ ORIGINAL Cd IN POOR C( MPONENT EDITION Ref SE 55-9 Einosleigh Scale 1: 100 000 Gaol Dave Mason Drawn Wendy Anderson Rot No; 14680 | Date August 1987 ] Plan No Qb 2937

144\*0?’ IB\* 16\* ,350 741(400) I. (850)744 1,220 344 747(50) 347 20,25, (350) /X 745 ( \ .34530,20,55,2,< (100)748 20,15,45,1,<1,2-48,350 3 48 (100)743' 25,15,50,1,1,2-76,280 3 43 742(100) 342 15,10,35, 200000mE 18\*30’ I r 144\*07

1 2 3 4 b 6 7 o 9 1 2 3 4 5 6 7 8 9 10 II 12 Ref: Einosleigh SE 55-9 Scole: 1 25 000 Geor DOM. Report No: 14680

I32OON- 13 OOON - 12 OOON- 11OOON - 1OOOON- 9 OOON — 8 OOO N — 7OOON — UJ UJ UJ 8 O O o O o o o 0) o — CHABLIS PROSPECT — 13 200N — 13 OOON — 8 OOON BURGUNDY PROSPECT SURVEY SPECIFICATIONS ACQUISITION : DATE INSTRUMENT : configuration: READING INT : No OF STACKS : DATA PROC Me SKIMMING GEOPHYSICS AUGUST 1986 SIROTEM MkH S/N 1236 (Med/l ow power ; early & std times) 100 x 100 m Tx ; I LRx 50 m 256/512 9-TRACK TAPE (No )NIL PRESENTATIONS — 7 OOON CONDUCTIVE HOST/OVERBURDEN RESPONSE SINGLE STATION HIGHS(N= Proboble noise) UJ UJ UJ o o o o o o o o o o o — REFERENCE RECONNAISSANCE LINES LOOP CENTRES CRAE PEGGED LINES — FOLLOW-UP LINES LOOP CENTRES 20-\* CRAE DRILL HOLES PREFIXED - PD85RI M.N G.N. I'. 10 000 0 100 200 300 400 50 0 METRES ♦❖0 GOOD, MODERATE, POOR BEDROCK CONDUCTOR DIP C R A EXPLORATION PTY LIMITED MOUNT SURPRISE A to P 3973M BURGUNDY-RIESLING-CHABLIS GRID SIROTEM INTERPRETATION Ref. SE 55-9 Scale. 1: 10 000 Geop EPF Report No. 14680 Drawn. S.R. Date. SEPT 1986 Plan No: Qb 2470 A

Massive gossan; generally soft friable, low silica content, (otter massive sulphide) <JV Lode rock ; banded quartz - gahnite- gossonous limonite ♦ garnet (Boxed ■ lode rock float) 0 Pelitic schist; commonly limonite stained, muscovite porphyroblasts ; probably retrogressed p 4 Mesocratic and leucocratic gneiss and pegmatite; gneiss contains pegmatitic segregations, pegmatite may grace into pegmatitic quartz , pegmatites are flp s

8500N 1 75OON 3 0006 p 9P Massive gossan; generally soft friable, low silica content, (otter massive sulphide) Lode rock ; banded quartz -gohnite-gossanous limonite^ gornet (Boxed lode rockfloat) Pelitic schist, commonly limonite stoined, muscovite porphyroblasts ; probably retrogressed Mesocratic gneiss and pegmatite , gneiss contotns pegmatiticsegregations, pegmatite moy grade into mesocratic gneiss, most pegmatites are conformable qv LEGEND Pegmatitic vein quortz ; moy grade into pegmatite veins both parallel and transect stratigraphy a Amphibolite Quartzite ; voriable in composition and moy contain garnet, amphibolite and gornet, or biotite,occasionally present as pure quartzite. Commonly well bedded and may display cross-lamination s Psammatic schist \ usuolly interbedded with pelitic schist 75OON 7000 N Strikeand dip of lithological layering (bedding); vertical Strike and dip of schistosity in pelites , gneissosity in gneisses and foliation in amphibolites, vertical Antiform with plunge Focing direction BURGUNDY PROSPECT OUTCROP GEOLOGY Sheet 2 : 7000N-8 400N Ref- Einasleigh SE 55-9 Scale l 2 500 Geol LBG Report No; 14680 Drawn W.C.A. | Date October 1985 | Plan No Qb 1801 CRA EXPLORATION PTY LIMITED

Ref SE55-9 Dnasieiyh Scole (H) 1 2500 iV) iOnT/cm Geol S.H.D. Report NO' 14680 Drawn W.C. A. Dote November 1985 [ Plan No Ob 1810

8500 N 8400 N 8000 N 7800 N 7600 N L0000 E LEGEND Mognetic Inclination: -48\* : Sdntrex MP-2 Magnetometer : 2-5m Sensor height BURGUNDY - A to P 3973 M Profile Datum ; 49 200nT Survey date: October 1985 STACKED GROUND MAGNETIC PROFILES Vertical Scale (Data corrected for diurnal variation) Surveyed by S.H.D. Compiled by : SUB. CR A EXPLORATION PTY. LIMITED Mognetic Declination ; 7\* SCALE P2 500 Ref SE55-9 -Einasleigh Scale: (H) 1 2500(V) lOnT/cm Geol; S.H.D. Report No: 14680 Drawn: W.C.A. | Date NovemberI985| Plan No Qb 1809

1 2 3 4 s 7 n 9 1 2 3 4 5 6 7 8 9 10 II 12 Ref Einasleigh SE 55-9 Scale 1 25000 Geol DOM Report No: 14680

LITHOLOGY SAMPLE No. ANALYTICAL RESULTS (ppm) RAD Mog. Suscept. kxlO-6 Pb Zn Cu Mn Ag Au TCI i\8i SPt 9P fr/p 60 i-/ 126 W— PG/L-4 SOI »y Ho So “5^” 120 5 Atnph PS/pe H3 st \*9o 15 4Oo 1 'if TV~ P$/L£ 4D4- 10 6V> '5 ~7^ no ‘9 P£ W5 10+ M> I 610 1 "7 i<r PE 406 VSO 1000 W 1— 21 PS/PE \*r uo too Jo sio / /U '.9 PE vs 1400 too / l$i 20 n IV 6i0 To 380 / 15c 77 L&/PE no iOS 410 4» 140 75 L&m. 4-H SP lOOQ 55 HD 4-! 136 15 WPE. Hl Its 561> io 610 ns PE/P6 H5 I&5 & l4o TV •«•/ 13b ■PS PS H4- IS VO 20 100 / IIO) 4-lT ts yio 3» 630 —7— 136 u- PS 446 SO too 25 660 12! <^/P9 Hl so 200 20 5bo !2^ 15 \* Hfr to 5+ flEo 2 /u 55 & 4\* 65 \*K llo Ibo I H9 35 PS/8P 4W lO 2M 35 tPP t IV >/ PS PU b5 ISO 15 14o I 117 4-P PS 4U- 75 Ho 15 140 t /> PS PIS 15 UP 10 ISO / 52 PS/P& 4H f & 5 9)0 56 psh. 425 So ns 10 16° V P5 H6 \*5 tip 10 670 1 130 2-7 PE!PS «7 so ns 15 W> / m V PE/P5 H\* 55 H5 V / //? 3/ PE \*Zf 40 '$$ 2 tfo / no 3P 14 PSP S5 V Ho / 115 3P \* sst 40 5 185 El up lt> 432 50 in V 3H 4! HI 25 «J/\* 45S 45 9H '85 700 I in H- PS 9f /goo 140 / IV- •n 14 455 so 460 IS 450 \*/ ns 14- iGt 436 50 165 IO <85 lI H7 PS \* 451 36 & 10 185 PI ns 2P t^r \*\*> | 30 10 6 135 t-l no ip 4\*4 15° nSo no 180 / m. 66 HP !H ISO 960 / m 65 44! st 1+5% ‘\*5 8H l he 75 SP/U/f Hl 45 l4+0 20 W ct HO 2> 4+5 UO H0P 16 370 t-t 109 50 tf H4~ KO IfOO 100 58o 3 “1 —57 M 4+5 HO 5<t6o 3oo <tP>0 3 ni 2^ PEIPS/^ HC 390 IfOO 165 660 2 m 106 PE/l\* 447 /« 950 °)0 5 80 m 77 4+8 60 1450 115 350 ^-1 m bo PGt m 50 6\*> \*5 240 <-! H5 PE W 60 Sgo 55 420 c l nT 50 PE S9 45 VO 45 360 i-l US ft- PE 50 HP 85 4-10 \*•! m H PE <&> 50 4lP 85 HO I nb 60 PE 454 4$ 25e 66 600 1 ") PE H5 60 ISO 15 5tp / no U PE W 55 Voo 55 130 / 119 96 PE \*57 5o & no / iV 77 PE 60 35\* 60 6bO 1 120 W PE <W9 40 36o 45 690 / Hl 95 Ptr/PE W 3o bgo / 125 58 <t& 40 1$o 3o 650 / 110 82 PE/Pk 962 so 210 2D W ! "f 56 K. 965 Op Vo If 680 ! IIS 55 PE 40 UP V bH t 106 92 PE/Ptf 965 55 '85 10 460 \*•/ Ilf- —55 PE/PE 466 i5 156 10 520 107 PE/P(f ^7 io & n 5x> D! H8 16 ^/PS 946 SO !3o io 51 4-1 121 4C PS V g5 to 480 4-1 III 56 PS +7° 25 9\* 10 64D 4-1 U4- V PS <PH 26 65 10 4\*>O 4-1 104 92 PS 9-17 10 65 5 33P ion 52 PS <PS 25 7\* 5 W> 4-1 IV %. PS 9-7+ 26 ~5o~ 1 230 X/ 1/4- so PS +7$ 25 66 6 I60 41 111 lZ PS +16 10 55 5 41 116 V PS vn 10 55 to 640 4/ 111 30 PS 916 IP 10 400 Hi 16 PS W} Is 10 1P 460 H I2P V PS 9& 10 So IS Ho \*/ no 21 pEift w % no >5 boO 4! m 21 PE! PS 9/n, \* 105 >5 580 £! 51 PE HS 30 100 10 bit 4,! as y PE- U9! 98b 16 too 10 580 PI ilo 32 PE Pelite PS Psammite PG Pegmatite LG Leucogneiss AM Amphibolite QT Quartzite qg quartz gahnite q quartz g gornetiferous (PEg)

LG -a qtzite float qtzite—/} PG/ LG qg subO/C PD85 RGI q PG-\ ’ ■> IO5OON Bearing 105° Magnetic tzite PELITE PSAMMITE AMPHIBOLITE GARNET % Ouortzite float r Depth O- PD65 RG2 LEGEND PE Pelite PS Psammite PG Pegmatite LG Leucogneiss AM Amphibolite QT Quartzite qg quortz gohnite q quartz g gametiferous (PEg) [magnetic susceptibility I (S'KIO-S) 400 io 10 Depth (m) LITHOLOGY SAMPLE No, ANALYTICAL RESULTS (ppm) RAD Mog. Suscept, k x IO -6 Pb Zn Cu Mn Ag Au TCI PA IM 406 35 H(7 W<? \* 1 "1 II P !6 Hi 5 3" \*■1 /Of) 10 35 bfo 16 Hu !Z PE 1\*69 16 150 15 66o ! i ic$ ' 16 LO - PE W9 15 llf to 4lo 1 no Tb PE/Pf W lA /15 >6 6m \*■! hl “Ur WP(\* W/ V) DO 10 /70 -■/ lot % lA \*®2. ID rt 10 I6f -/ too 19 mpe VO HP 6 bio mb ' 15 on. Uf Wr If I W /p\* 16 14 ‘f 65 5 jje nf~ iS U-M '6 W 10 Itf \*-! nt 22 HI \*5 1 I# hl 32 H-tt P bo I 140 KF) 32 30 -1 Uf/PE. •09 10 56 Soo -■/ t/9 bo 600 ID to 10 UP Vr foi If +5 IDO U-h 75 6ol 55 6 zw \*-4 if] \* LA.'ft 10 lOp >>\*)0 no 33 AH J PEW 25 to 25 ffC, / irl 35 PElft P5 15 ico Ho / u-b 55 PE 5<\* 15 100 60 5^ !0‘l H- P6/P£ 07 25 96 <5 Wo / HO 52 P^ 579 90 /of to 610 W SO - PE \* \*5T if loo nt — 5 ■ PE 610 90 & ID bfo I m 36 Pf/PE 6H if I# 10 060 1 in P5 6n )0 no 16 iOb 1 lot 32 PS So Iff 10 160 1 I/O 56 «n P9 y> Vi 100 ID ~ tfy \*•/ !‘b 36 P$ 5/5 K IPs If 050 / m\* Pi ?/4» S' 6o tlD 1 uv a P$ uw 5/7 v; Ho 5$ AO 1 109 trz 70 - 80 <i - 30 - inn . 110 ■ i ?n . 130 - 140 -| mn - IRG 170 - inn -i 190 - 1-200 - C R A EXPLORATION PTY LIMITED MT SURPRISE - A to P 3973M RIESLING PROSPECT 20 30 40 so ■3 metres QUEENSLAND SCALE DRILL SECTION PD85 RG2 Ref SE55-9 Einasleigh ) Scale- I 1000 Geol D.O.M. [ Report No; 14680 Date Nov. (985 Plan No- Ob 1803 Drawn W.C. A.

- ! L ff 1 PE Pelite PS Psommrte PG Pegmatite LG Leucogneiss AM Amphibolite QT Ouortzite qg quartz gohnite q quortz g gornetiferous (PEg) LITHOLOGY SAMPLE No, ANALYTICAL RESULTS (ppm) RAD Mog. Suscept. kxl0\*6 Pb Zn Cu Mn Ag Au TCI Pt 1191 E!9 ifff 5HP & 869 1 nt VE Pb/PL 516 60 W 90 909 / 155 n pt/ftf 52P VIP 6850 65 U60 I 16O ‘r &r E2J 6f0 y.5o b5 bbc ) iEP- 2« mar 521 110 loSO 55 b4-0 I bo P51 hmooHt #0 ‘Soso bOo 1 'it 2-5 52/- VO 6700 #0 $<o ! 140 SO m/pe/K 525 6P0 2560 E1o W> 1 140 S5 pypt 524 W 1500 Ho /ooo ! 1 68 •500 fpoo V/D &10 iss 55 \*£/«\* 52/ iU> Hot 10 160 5t Pe 519 b6 1650 280 Sd-0 i^o ISO Pe 5W 80 600 26 /OOO / Ii6 •A Pb/PE Hi bO 5/0 IS 6bo \*/ >40 58 rdr/?\*z\*5 5J2 \*6 6<0 6\* n\* n iK, 68 PE/ib 555 bO PfiO 6 690 z/ lU> 50 PE 55f- 69 620 65 bio I4i 65 PE 555 60 /76o nt blD 1^, 2»o PE/99 5^ 60 150 75 55O lit too PoJpe 55? 55 no 20 '55\* \*) 164- 82 Pb/pe 535 50 no !6 •‘■I 161 95 Pb 559 60 150 ‘6 no \*/ /5O WP\* 590 \*5 190 66 Pw 167 60 W 50 /bo to v/o I4f 9o sn 15 VO 85 IP6O 1% 150 PE/P6 86 tyo It\* no too "IPEIPS iSO W V> fa 146 86 5\*5 1o 180 660 ~^r~ I4f IIP P(r 5W 1(> too ns Z./ /3L 90 Pb 5\*7 66 too IO VO bO PblPE 60 200 20 560 z >59 82 Plr 5b9 65 115 IO ito z- l(P % Pbl9^> 55o 40 100 V, 510 z. 166 bi SEI 65 90 6 /ts <-/ /5g IW \* 552 65 H5 6 115 z-/ Hl 16 P\* 553 b6 156 IO Vo Z / 1^? bo A 75 <5 110 HI S6 JA 55b bo l<6 io 5bo z/ lib 5P PElUffP'r 554 SO 100 lo 150 '61 66 A .. S51 b6 165 to 200 Z- lib bo A/PE 658 60 160 /o 210 t- H3- bl PE 659 30 JVn 10 510 ■H 125 bo FE/& Sb\* bo /So 15 150 z./ Hi 52 PE 5V 55 >55 <5 &O z / I4C 50 P6/PE 5&L ♦5 H5 /6 bbo 1 I5o 57 TTPs EV; 50 /bo 15 bio / lib 68 WP9 \*\* 40 '15 10 W z -/ ~ir b6 ft SAS so >56 50 5bo / IS\*, bO K/pe 5bb b6 ns \*6 16o / bt PE/F5 6t>1 56 150 / ‘41 60 PE 548 56 >55 \*> 160 / lit ->6 Pe 5\*9 66 !6O IO bto / 156 PE sr sS >55 160 / 161 , PE 1191 57/ bo IbO 16 ISO / 149 " bo Ref SE 55 -9 Einasleigh Scale 1 1000 Geol D.O.M. Report No: 14680

Collar 9990N 9950E Azimuth 105’ - Dip 60\* tao- Depth LITHOLOGY SAMPLE No. ANALYTICAL RESULTS (ppm) RAD Mag. Suscept. kxIO-e (m) Pb Zn Cu Mn Ag Au TCI ?(r U?l 571 1000 40 490 1 109 i4 . - 573 15 u$0 55 550 —7— l/S 14 P(r 51\*P Vo HOO 55 W> 1 ill H Pk/K S15 t>s 050 5 53° 1 ilo Vf to - pe/PU 57\* 70 IlSO 5 bio / nz. 3o F/pe 577 65 990 2 040 ~7“ 130 —55“ fS^E bo ♦70 cl 000 / 119 31 FiPt \*7? 55 J/0 6-7 140 / ‘6/ 61 w ♦5 /7\*T <2 1\* / ‘37 60 »n. ss ISO 10 400 1 Ht kl 14 561 6t> 86 10 If 1 111 65 F 90} 50 /7f 15 840 / 110 54 p$ 584 45 160 25 130 130 47 •arm & 60 "S IS 31» / 111 51 30. 5^ io 140 ■cy. 2J0 / 12£> b0 14 W /IS 5 330 'I 109 55 %9 SO 70 >5 /7S /// 08 sep 50 90 36 100 \*1 no hmpfitb. 690 65 100 Mo %o 1 108 300 . 40 • hmptto- til Sf nt <55 HOO 2 99 ui Amptib. 5V- \*5 ISO ?o !O$0 1 2 iOS 150 kmpfrb- svs 50 146 70 63o 2 ns iSo knvhiP- 5W 60 130 bo 900 / no 1S0 kmctidf. szs 35 f^O bO Oto / >04- 1.60 90 ■ ktncfhS 590 I 35 its SO 1050 2 no IPO Afnpftb- 571 I Ss ns 15 000 — m il>0 MlpHip- see 50 150 100 KOO I 109 100 NnphC- SV) \*5 186 76 1150 t (DC i$0 Vnpftp. 000 50 160 85 1060 Too ft£> ■ ftrcfl'b-iPCt bof \*5 IffC 85 960 107 no bol 90 I5 C to 1000 / m 75 p£/^ bo3 30 >30 to 540 — ? H4- 85 L4/PE 6CPp 30 ‘IS IS 500 no To PUF «F . 50 'IS 10 110. I'S ISO 70 • PE'PS bob 35 ns 05 060 / ns /60 PE ben So I/O 30 510 1 114 9o PS bo9 15 US IS 38» 1 H8 150 PS b<F 15 WO 10 050 ! H3 eo PE b‘O 30 00 10 500 / 135 08 •o. F4 b^l 40 146 <5 ~17o 1 ! 116 ISO 14/P& 6H 35 65 10 8!0 III 150 F 6/3 30 06 5 290 1 US ISO Q>14 30 05 5 2727 H8 100 F b/S IS io 5 38o \*1 <18 i^O 90 . P5 bib 15 00 5 370 < 1 nt 100 F &n If 45 S 15o <1 H5 loo F bit 35 75 5 400 <1 no 100 PS b!\*) 2o ns 2 36o </ IV. 156 bit 10 IS 290 190 100 . bU V b 5 lo 4-30 1 m IbO PS IS ^0 35 360 1 nt !6o FPPtr is 54> 10 46o \* / ns 150 F/Pt, wr io 5f is 31t> </ Kt '90 Hr (rib 2o to 10 150 \*■/ U1 2J0 no - \_ bT9 15 00 10 300 ^.1 III- 300 Pfr n9l 611 '? 00 10 4So <1 no 150 i »n . 130 • 140 • IRA . i«n ■ 1 7A . IftA . 190 - L200 J LEGEND PE Pelite PS Psommite PG Pegmatite LG Leucogneiss AM Amphibolite QT Quartzite qg quortz gahnite a quortz g gornetiferous (PEg) m«tr«s SCALE C R A EXPLORATION PTY LIMITED MT SURPRISE - AfoP 3973 M RIESLING PROSPECT QUEENSLAND DRILL SECTION PD85 RG4 Ref SE55-9 Einasleigh Scole i : 1000 Geoh DOM. Report No: 14680 Drawn: W.C.A. | Date: Nov. 1985 [ plan No Qb 1805

LU 8 O o Pb / / 1 \ \ J x r V 1 X (—■J J 2 ' ,- / P085RG5 r A | “ 7 T S' / / / W I J ferrug I qtz vein \) 9 550N Beoring 285\* Magnetic PSAMMITE Depth LITHOLOGY SAMPLE No. ANALYTICAL RESULTS (ppm) RAD Mog. Suscept. kxlO-6 (m) Pb Zn Cu Mn Ag Au TCI up) ill bO I3o If W> l'/5 10 TAO !\*5 W 1 I7> 6 PE 630 Elo 8W ito 810 6 'V It PE 6il VIO Ho l 111' io PE SAI 30 bPO 69o too i 118 io Pe/ftr 633 15c wo Hi i /»> 61 AtA^IPE 6\* 6? 450 PIP 24o I /</ 38 LA!PE! 19 655 Eq 6lo 560 I ■ 95 41 LA 636 lAo EQ 510 i lio 65 9Ci . PtifPt Eo 14^ bftfi 1 PE 036 45 54o 95 $fO !80 pEirfx W) 60 bo bio H5 <0 ntMwtip- W 3>l£ 75\* fio~ Ho 130 ptlp$l\*npf)ip- &rf \* WO 45 660 i I86 f> 30 - PE tP <56 Eo 590 I lil 4/ PE 15 Hi 40 570 i no PE 25 H5 Vi 440 I I8l 5P PElPtf 646 v$ IIP 45 W i 49 PE/fb &K, w 45 4/9 i HP 60 - 40 . PElPtt (Pp! vs 30 410 1 no W PEIPO 446 to 150 50c i 160 PE V 16 Etc I Hi U PE/Pt t&> w I/O >6 +30 l HP, 5^ p^iPEipg 65! 25 M> 2,0 140 i nt IT SO - V 651 10 U5 10 W 1 HP p<f 653 25 80 10 Ho HE W PE 654 25 fto I4o ^0 i in- 35 PE/PP 655 25 t30 & 53o i up 55 Pd 25 bo if i46 4) np 50 PEIPtr 657 15 H5 io t>5o in li Pd 658 25 9° 55 300 1 no W 1 655 10 55 10 130 /68 10 6bC IP to ID {35 no 60 PA 66! W X /o .'68 18 . to • PtfPA 641 3c !V> 55 3\*0 1 Hi 36 PEfffl (,&> V5 n$ ?bo I 156 icf frift 644 35 115 4io 1 161 30 faTa 1 C45 po \*5 24o 1 \*■ 1 ~T68^ 30 Pdf LA tec EC EC 16 33o <1 K\* IS 80 . \* - on mn tin . i?n - ixn 140 i i\*sn \_ i<n . irn - IMA \_ ten. •200 - PELITE r Depth 0- PG/LG Tr. 1% Pyrite EOH. 78 m 5-50% oxides/gossan PE/LG PEg Tr. - 4 % Pyrite 2-4% Pyrite 1-4% Pyrite Quartz gohnite lode LG/PG Amphib Sericitic pelite \ and pegmatite \ vPE/PS PE/LG PE 4- gosson Zn Cu Ag Rock Sample 5 59% 3400 8 800 112 4%Pyrite Tr. Cerussite/Borite ?? Tr. Pyrite 2% Pyrite PE/PG PG/LG 70 r 80- Collor 9 550N 10013 E Azimuth 285° Dip 60° LEGEND PE Pelite PS Psommite PG Pegmotite LG Leucog neiss AM Amphibolite QT Quartzite qg quartz gahnite q quartz g garnetiferous (PEg) &J CRA EXPLORATION PTY LIMITED MT. SURPRISE - AtoP 3973 M 10 0 10 20 30 40 50 metres SCALE RIESLING PROSPECT QUEENSLAND DRILL SECTION PD85 RG5 Ref SE55-9 Einasleigh Scale- 1 1000 Geol: D.O.M. Report No: 14680 Drawn; W.C.A. | Date: Nov. 1985 ] plan No: Qb 1806

ADJOINING MAPS CRA EXPLORATION PTY LIMITED MOUNT SURPRISE ATP 3973M DIAMOND FIELD INVESTIGATIONS Scole Drown SR. Ref SE 55-5-9 I 100,000 Report No 130754 , 1987 Pion No Qb 2 ••s. ■ » R E FERENCE • GRAVEL SAMPLE LOCATION L NUMBER • PICROILMENITE c GRAB SAMPLE FROM TIN CONCENTRATE 0 DIAMOND A CONCENTRATE PARTIALLY OBSERVED $ MICRODIAMOND NIL nd NIL + 04 DIAMONDS OR INDICATOR MINERALS NIL -0-4 DIAMONDS V A CHROME DIOPSIDE ORTHOPYROXENE ♦ CHROMITE □ ZIRCON 0 S.E.M SCAN O PYROPE SCALE l ! 100,000 KILOMETRES BLACKDOWN MUNGANA CHILLAGOE GALLOWAY INSET-l LYNDBROOK BULLOCK CK. GEORGETOWN MT. SURPRISE ST RONANS INSET 2 i