GEOLOGICAL and GEOCHEMICAL ASSESSMENT REPORT on the

EL TORO PROJECT

Telkwa, British Columbia

NTS: 93L/5, 6 and 11

Latitude 54°30'N Longitude 127°15'W

Omineca Mining Division, British Columbia

Claims: Bull, The Hoof, El Torro 33, R Eye, Mouth, Tail, Chest, Guts, Belly, Rear Legs, Ear & Horns, Front Leg, Starr 01 to 02, Mo-01 to Mo-06, Princess 1 to 4, Loljuh 1-2

(Record Numbers: 525417, 554953, 554956, 554994, 554998-555000, 555001-005, 567390-391, 567601-606, 592347-349, 592351, 602408-09)

Work performed between August 16 and September 23, 2009

For
Lions Gate Energy Inc.
15th Floor, 675 W Hastings St.
Vancouver, British Columbia
V6B 1N2

By:
Jean Pautler, P.Geo.
JP Exploration Services Inc.
#103-108 Elliott Street
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April 30, 2009

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT Geological and geochemical assessment report on the El Toro Project

TOTAL COST $122,007.05 + 37,779.61 PAC = 159,786.66

AUTHOR(S) **Jean Pautler**

SIGNATURE(S) "jean pautler"

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S)

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S) **4557171 April 7, 2010**

YEAR OF WORK **2009**

PROPERTY NAME **El Toro Project**

CLAIM NAME(S) (on which work was done) Bull, R Eye, Rear Legs, Starr 01 to 02, Mo-01, Princess 1, Loljuh 1-2

(tenure numbers 525417, 554994, 555003, 567390-391, 567601, 592348-349, 602408-09**)**

COMMODITIES SOUGHT **Cu, Ag, Au, and Cu, Mo (Ag) porphyry**

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN **093L 033-047, 049-050, 062, 064-069, 080, 166, 168, 189, 227-228, 241, 255, 299, 304, 320**

MINING DIVISION **Omineca**

NTS / BCGS **93L/5,6,11 / 93L/ 0**

LATITUDE **____54_____º ____30_____' __00_____"**

LONGITUDE **_____127____º ___15_____' _____00_____"** (at centre of work)

UTM Zone **9** EASTING **615000m** NORTHING **6040000m**

OWNER(S) **Lions Gate Energy Inc.**

MAILING ADDRESS #15th Floor, 675W. Hastings St. Vancouver, BC., V6B 1N2

OPERATOR(S) [who paid for the work] **Lions Gate Energy Inc.**

MAILING ADDRESS #15th Floor, 675W. Hastings St. Vancouver, BC., V6B 1N2

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude **do not use abbreviations or codes**)

The El Toro Project is primarily underlain by the Telkwa Formation of the subaerial to locally submarine Lower Jurassic Hazelton Group, dominated by bedded maroon and green subaerial andesitic to dacitic crystal and lithic tuffs, lesser breccia, minor flow interbeds, and local rhyolite flows and tuffs. The Hazelton Group is intruded by small bosses, stocks and related dykes and sills of the Late Cretaceous Bulkley plutonic suite, with the largest (2 by 3 km) stock exposed in Sunsets Basin. The area is characterized by extensional basin and range type block faulting. The El Toro Project covers a well-mineralized area southwest of Telkwa that includes 36 Minfile occurrences, including 3 past producers and 1 developed prospect in Hunter Basin, 6 prospects and 26 showings. The principal deposit type is subvolcanic copper-gold-silver which occurs in permeable horizons within andesite tuffs veins, fracture fillings and stockwork-breccia zones. For example in Hankin Basin mineralization has been intermittently traced for 5 km along strike and 2 km along dip. The northerly trending Friendly Vein in Dominion Basin returned 9.52 g/t Au, 180 g/t Ag, 1.68% Cu, 15.7% Zn and 0.95% Pb across 1.0m. Four stocks of the Bulkley plutonic suite with calc-alkaline porphyry copper±molybdenum±gold(silver) potential were identified, the Sunsets, MSJ, War Eagle and Loljuh stocks. Values of 24.0 and 9.43 g/t Au were intersected in the only drill hole on the War Eagle Stock.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS

#07070 (Allen, 1981) #01880 (Brown, 1968) #19555 (Ethier, 1989) #30982 (Pautler, 2009c)
#21925 (Hanson, 1991) #20741 (Hanson, 1990) #17407 (Helgason, 1987) #30731 (Pautler, 2009a)
#08444 (Kenyon, 1980) #13191 (Kikuchi, 1985) # 10043 (Kikuchi, 1981).
#21765 (Jamieson, 1991a) # 4831, 4811 (McAndrew, et al, 1973) #03485 (Sharp, 1970)
#22053 (Pauwels, 1988) #12135 (Price, 1983) #01922 (Woolverton, 1969)

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Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: JUSTASON, ANGELIQUE SAMANTHA-LYNNE (133276)

Submitter: JUSTASON, ANGELIQUE SAMANTHA-LYNNE (133276)

Recorded: 2010/APR/07

Effective: 2010/APR/07

D/E Date: 2010/APR/07

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: **4557171**
Work Type: Technical Work
Technical Items: Geochemical, PAC Withdrawal (up to 30% of technical work performed)
Work Start Date: 2009/AUG/17
Work Stop Date: 2009/SEP/23
Total Value of Work: $ 122007.05
Mine Permit No:

Summary of the work value:

Tenure No.	Claim Name	Issue Date	Good To	New Date	Days	Area (ha)	$Value	Fee ($)
525417	BULL	2006/jan/14	2011/apr/15	2011/nov/27	226	450.47	2231.39	111.57
554953	THE HOOF	2007/mar/24	2011/apr/15	2011/nov/27	226	621.82	3071.73	154.01
554956	EL TORRO 33	2007/mar/24	2011/apr/15	2011/nov/27	226	939.78	4642.42	232.76
554994	R EYE	2007/mar/25	2011/apr/15	2011/nov/27	226	3003.59	14837.38	743.90
554998	MOUTH	2007/mar/25	2011/apr/15	2011/nov/27	226	2799.99	3831.62	693.48
554999	TAIL	2007/mar/25	2011/apr/15	2011/nov/27	226	2818.63	13923.74	698.09
555000	CHEST	2007/mar/25	2011/apr/15	2011/nov/27	226	3291.95	16261.88	815.32
555001	GUTS	2007/mar/25	2011/apr/15	2011/nov/27	226	3760.12	18574.59	931.27
555002	BELLY	2007/mar/25	2011/apr/15	2011/nov/27	226	2634.67	13014.99	652.53
555003	REAR LEGS	2007/mar/25	2011/apr/15	2011/nov/27	226	3499.41	17286.69	866.70
555004	EAR & HORNS	2007/mar/25	2011/apr/15	2011/nov/27	226	1989.80	9829.39	492.82
555005	FRONT LEG	2007/mar/25	2011/apr/15	2011/nov/27	226	2334.95	11534.37	578.30
567390	STARR 01	2007/oct/03	2011/apr/15	2011/nov/27	226	470.53	1447.42	116.54
567391	STARR 02	2007/oct/03	2011/apr/15	2011/nov/27	226	470.50	1447.34	116.53
567601	MO - 01	2007/oct/06	2011/apr/15	2011/nov/27	226	470.69	1432.52	116.58
567602	MO - 02	2007/oct/06	2011/apr/15	2011/nov/27	226	470.69	1432.53	116.58
567603	MO - 03	2007/oct/06	2011/apr/15	2011/nov/27	226	470.40	1431.66	116.51
567604	MO - 04	2007/oct/06	2011/apr/15	2011/nov/27	226	470.68	1432.51	116.57
567605	MO - 05	2007/oct/06	2011/apr/15	2011/nov/27	226	470.82	1432.91	116.61
567606	MO - 06	2007/oct/06	2011/apr/15	2011/nov/27	226	470.90	1433.18	116.63
592347	PRINCESS1	2008/oct/01	2011/apr/15	2011/nov/27	226	470.12	1163.56	116.44
592348	PRINCESS2	2008/oct/01	2011/apr/15	2011/nov/27	226	413.90	1024.41	102.51
592349	PRINCESS3	2008/oct/01	2011/apr/15	2011/nov/27	226	319.89	791.73	79.23
592351	PRINCESS4	2008/oct/01	2011/apr/15	2011/nov/27	226	451.34	1117.08	111.78
602408	LOLJUH 1	2009/apr/10	2010/apr/10	2011/nov/27	596	451.88	2948.35	295.15
602409	LOLJUH 2	2009/apr/10	2010/apr/10	2011/nov/27	596	338.91	2211.27	221.36

Financial Summary:

Total applied work value: $ 159786.66

PAC name: Lions Gate Energy Inc
Debited PAC amount: $ 37779.61
Credited PAC amount: $ 0.0
Total Submission Fees: $ 8829.75

1.0 EXECUTIVE SUMMARY

The 34,356 hectare El Toro Project area, NTS map sheets 93L/5, 6 and 11 is located in the Omineca Mining Division, 30 km southwest of Telkwa, which is 11 km southeast of Smithers in central British Columbia at a latitude of 54°30'N and longitude of 127°15'W. The property lies within the Telkwa Range of the Hazelton Mountains and is bisected by the northerly flowing Howson Creek drainage. The El Toro property is 100% owned by Lions Gate Energy Inc.

The El Toro Project is primarily underlain by the Telkwa Formation of the subaerial to locally submarine Lower Jurassic Hazelton Group, dominated by bedded maroon and green subaerial andesitic to dacitic crystal and lithic tuffs, lesser breccia, minor flow interbeds, and local rhyolite flows and tuffs. The Hazelton Group is intruded by small bosses, stocks and related dykes and sills of the Late Cretaceous Bulkley plutonic suite, primarily of quartz monzonite, monzonite and granodiorite compositions, with the largest (2 by 3 km) stock exposed in Sunsets Basin. The area is characterized by extensional basin and range type block faulting and a prominent north trending fault divides the property along Mooseskin Johnny Valley.

The principal deposit type present on the El Toro Project is the subvolcanic copper-gold-silver (arsenic, antimony) type, also referred to as transitional or intrusion related polymetallic stockwork and vein types. The Equity Silver past producing mine, 60 km southeast of El Toro, is an example of this type of deposit and produced 33.8 million tonnes of 0.4% copper, 64.9 g/t Ag, and 0.46 g/t Au. The calc-alkaline porphyry copper±molybdenum±gold(silver) deposit type, commonly related to the subvolcanic type, is also present, associated with the Bulkley plutonic suite which occur as stocks and dykes across the property. The Huckleberry Mine, 70 km south of the El Toro Project, is an example of this deposit type and is associated with a stock of the Late Cretaceous Bulkley plutonic suite. Gold-silver±copper epithermal veins, and stockworks, commonly associated with the above deposit types also occur in the project area.

The El Toro Project covers a well-mineralized area southwest of Telkwa that includes 36 Minfile occurrences, including 3 past producers and 1 developed prospect in Hunter Basin, 6 prospects and 26 showings, as documented by the British Columbia Geological Survey Branch.

Previous exploration on the El Toro Project, undertaken from 1898 to 2007, has only involved approximately 3800 metres of diamond drilling in 60 holes, with early underground exploration, excavator and hand trenching, mapping, rock geochemistry and reconnaissance and grid soil geochemistry. Most of the showings were discovered and worked on from the turn of the century to 1941. A resurgence in activity was seen in the 1960's, with sporadic work in the 1970's, resulting in the discovery of the porphyry showings. Sporadic work continued until 1991. The claims were 100% acquired by Lions Gate Energy Inc. in 2007 to 2009.

Combined production from the King and Rainbow mines between 1914 and 1962 totaled 293.5 tonnes producing 8,533g Au, 294,905g Ag, and 44,357 kg copper. In 1914 38

tonnes of ore was shipped from the Colorado mine recovering 155,515 g Ag and 2722 kg Cu. Along Loring Creek, in the Hankin Basin area, copper-silver±gold mineralization occurs in permeable horizons within andesite tuffs. At the Loring showing three mineralized horizons, up to 1.5m wide, occur within a 20m wide zone with previous assays averaging 65.14 g/t Ag with 0.45 to 3.12% Cu. The average assay from previous chip sampling of a 24.3m cliff section on the Marmot showing is 4.3% Cu and 109.71 g/t Ag. The Friendly Vein in Dominion Basin yielded an average of 70.2 g/t Ag and 2.21 g/t Au along 8.5m of the vein. Previous diamond drill results from the Duchess prospect in Howson Basin include 2.9% Cu and 45.26 g/t Ag over 15.8m, including 11.8% Cu and 202.3 g/t Ag over 3.05m from hole 67-4, but true width is not known.

Four stocks of the Bulkley plutonic suite with calc-alkaline porphyry copper±molybdenum±gold(silver) potential were identified, the Sunsets, the MSJ, the War Eagle and the Loljuh stocks. Insufficient work has been undertaken to evaluate them. The Huckleberry Mine, 70 km south of the El Toro Project, is an example of this deposit type and is associated with a stock of the Late Cretaceous Bulkley plutonic suite.

Drilling of the Ant epithermal showing in 1990 did not intersect significant mineralization but potential exists to uncover gold-silver±copper epithermal veins, and stockwork mineralization in this area.

The 2009 program involved mapping, rock and soil geochemical sampling, and additional GPS surveying of previous diamond drill hole collars and old workings, concentrated on Hunter's Basin, Hankin Basin (Loring Creek), the Loljuh and MSJ stocks, Wolverine showing and Starr Creek, and an MMI soil geochemical survey over the MSJ porphyry copper-molybdenum-gold target. The program identified additional copper-silver-gold vein mineralization in Hunter's Basin, additional strataform mineralization in Loring Creek, 3 km upstream of mineralization located in 2008 (indicating potential for the discovery of a subvolcanic copper-gold-silver deposit similar to Equity Silver). Significant porphyry copper-molybdenum mineralization was found to be associated with the Loljuh stock, and a favourable copper, gold, molybdenum ±silver MMI soil geochemical signature, associated with a chargeability high anomaly in a favourable geological setting for the discovery of a porphyry copper-gold-molybdenum deposit, was outlined at the MSJ stock. A previous DDH record was uncovered from the War Eagle Pyrite showing indicating results of 24.0 and 9.43 g/t Au, each over 3.05m, which had not been followed up.

In Hunter's Basin 2.1% Cu with 9.85 g/t Au and 104 g/t Ag were obtained over 1m from the Rainbow past producer and 5.5% Cu, with 1.34 g/t Au, 144 g/t Ag and 2.98% Zn from a 2m by 1m panel sample west of the main King workings, with a grab sample from the King past producing mine dump returning 12.4% Cu, 16.8 g/t Au and 1240 g/t Ag. The Idaho shaft was located, with a grab sample from the shaft dump returning 7.8% Cu, 2.65 g/t Au and 126 g/t Ag, and 3.3% Cu, 5.39 g/t Au and 380 g/t Ag over 0.75m was obtained from the Mohock showing. In upper Loring Creek results of 1.0 to 3.0 % Cu, 0.12 to 2.25 g/t Au and 54.3 to 164 g/t Ag were obtained from three chip samples of strataform mineralization, and 12.8% Cu, 0.66 g/t Au and 204 g/t Ag over 0.5m from a crosscutting zone. At the

Loljuh stock initial and limited reconnaissance returned maximum values of 0.35% Cu over 1m from a chip sample, and 453 ppm Cu and 156 ppm Mo in soil.

Previous production records and 2008 sampling (6.51% Cu, 4.65 g/t Au and 202 g/t Ag over 0.5m from the King Vein with 36.5% Cu, 155 g/t Au and 2306 g/t Ag from a grab sample) indicate high grade copper-gold silver vein type mineralization from the south side of Hunter Basin. Geophysical surveys and observed lineaments and a gossan, suggest continuity to the hosting structure of the King Vein. There does not appear to have been significant drilling to test the structures. The Rainbow and King Veins have potential to host similar mineralization along strike and down dip.

The Hankin Basin area has potential for possible bulk tonnage and local high grade copper-silver-gold mineralization with significant similarities to the past producing Equity Silver mine. Mineralization, traced for 5 km along strike and 2 km along dip, occurs in permeable horizons within andesite tuffs and in cross fractures and stockwork-breccia zones.

In Dominion Basin a significant quartz sulphide vein is exposed for 15m in the Friendly Trench returning 9.52 g/t Au, 180 g/t Ag, 1.68% Cu, 15.7% Zn and 0.95% Pb across 1.0m in 2008. There does not appear to have been extensive work in this area to trace the vein.

Although mineralization was locally restricted at the Duchess prospect due to late faults, there is significant potential along strike of the persistent, 4.2 km long Princess-Duchess-Countess-Silver Heels structure.

Previous porphyry copper±molybdenum±gold(silver) exploration in the Sunsets stock focussed on the phyllic alteration zones, but previous soil sampling and continued exploration has indicated better grades peripheral to these zones. At the War Eagle stock copper-silver mineralization occurs peripheral to the intrusion as is the case at the Huckleberry Mine. High grade copper-silver mineralization is associated with felsic dykes peripheral to the poorly exposed MSJ stock and similar mineralization is associated with felsic dykes at the Joker Ridge quartz-pyrite zone and possibly related high grade Duchess copper-silver vein prospect in the Howson Basin area. The dykes may be related to mineralized stocks, the MSJ stock in the former case and a near surface buried intrusion at Joker Ridge. A mineralized dyke is also documented at the Pete showing in the Houston Tommy Creek area, outboard of the Loljuh stock.

An initial Phase 1 exploration program consisting of additional mapping, detailed prospecting and sampling (south Hunter, Hankin, Sunsets, Dominion and Howson Basins, the MSJ, Loljuh and War Eagle stocks), with select conventional grid soil (Sunsets, Loljuh and possibly War Eagle stocks) and induced polarization surveys (MSJ, Sunsets, and possibly War Eagle stocks), horizontal loop electromagnetic geophysical surveys (south Hunter Basin and Duchess structure), examination of the Hunter developed prospect in north Hunter Basin and follow up of the high grade gold results from the War Eagle Pyrite zone is recommended on the El Toro Project at a cost of $250,000 in order to delineate drill targets.

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Appendices

2.0 INTRODUCTION AND TERMS OF REFERENCE

2.1 Qualified Person and Participating Personnel

Ms. Jean M. Pautler, P.Geo. was commissioned by Lions Gate Energy Inc. of Vancouver, British Columbia to direct, supervise and report on the 2009 exploration program on the El Toro property, and to make recommendations for the next phase of exploration work in order to test the economic potential of the property. The 2009 program consisted of rock and soil geochemical sampling, mapping, prospecting and an MMI soil survey over the MSJ showing between August 16 and September 23, 2009. The author was assisted in the field by Mr. Brad Davies, prospector of Wells, British Columbia, and Mr. Ned Reid of Quesnel, with previous experience in the area, completed a site visit. The MMI survey was completed by CJL Enterprises Ltd., Smithers, British Columbia.

The report is based on the 2009 program, historical information and previous work on the El Toro Project by the author, including an examination and evaluation of the geology and mineralization, from August 26 to September 6, 2008.

2.2 Terms, Definitions and Units

All costs contained in this report are denominated in Canadian dollars. Distances are primarily reported in metres (m) and kilometres (km) and in feet (ft) when reporting historical data. The annotation 020º/55ºE refers to an azimuth of 020º, dipping 55º to the east. GPS refers to global positioning system. DDH refers to diamond drill hole. VLF-EM refers to a very low frequency type and HLEM a horizontal loop type of electromagnetic geophysical survey and IP refers to an induced polarization type of geophysical survey. MMI sampling is an analytical process that measures mobile metal ions reported to be useful in detecting mineralization beneath younger cover rocks and thick glacial till. Minfile showing refers to documented mineral occurrences on file with the British Columbia Geological Survey.

The term ppm refers to parts per million, which is equivalent to grams per metric tonne (g/t) and ppb refers to parts per billion. The abbreviations oz/ton and oz/t refers to troy ounces per imperial short ton. The symbol % refers to weight percent unless otherwise stated.

Elemental abbreviations used in this report include: gold (Au), silver (Ag), copper (Cu), iron (Fe), lead (Pb), zinc (Zn), molybdenum (Mo), arsenic (As), antimony (Sb), bismuth (Bi) and sulphide (S). Minerals found on the El Toro property include pyrite (iron sulphide), chalcopyrite, chalcocite and bornite (copper sulphides), tetrahedrite group (copper iron ±silver arsenic antimony sulphide), galena (lead sulphide), sphalerite (zinc sulphide), molybdenite (molybdenum sulphide) and arsenopyrite (iron, arsenic sulphide).

2.3 Source Documents

Sources of information are detailed below and include available public domain information and personally acquired data.

- Research of Minfile data at http://www.em.gov.bc.ca/Mining/Geolsurv/Minfile/default.htm .
- Research of mineral titles at http://www.em.gov.bc.ca/Mining/Geolsurv/MapPlace and http://www.mtonline.gov.bc.ca .
- Review of annual assessment and company reports filed with the Ministry of Energy and Mines.
- Review of other proprietary company data.
- Review of geological maps and reports completed by the British Columbia Geological Survey or its predecessors and the Geological Survey of Canada.
- Published scientific papers on the geology and mineral deposits of the region and on mineral deposit types.
- Work conducted on the property by the author from August 17 and 28, 2009 and August 26 to September 6, 2008 and a review of the entire 2007 to 2009 programs.
- A review of pertinent news releases of Lions Gate Energy Inc. and of other companies conducting work in the regional area.

2.4 Limitations, Restrictions and Assumptions

The author has assumed that the previous documented work on the property is valid and has not encountered any information to discredit such work. Check samples collected in 2008 and 2009 are consistent with the tenor of mineralization reported by previous operators but do not constitute detailed quantitative check analyses.

2.5 Scope

This report describes the geology, previous exploration history and mineral potential of the El Toro Project. Research included a review of the historical work that related to the immediate area of the property. Regional geological data and current exploration information have been reviewed to determine the geological setting of the mineralization and to obtain an indication of the level of industry activity in the area. The property was examined and evaluated by the author from August 17 to 28, 2009 and August 26 to September 6, 2008 and the author reviewed the entire 2007 to 2009 programs by Lions Gate Energy Inc.

An estimate of costs has been made based on current rates for drilling, geophysical surveys and professional fees in British Columbia.

3.0 RELIANCE ON OTHER EXPERTS

The author has relied in part upon work and reports completed by others in previous years in the preparation of this report. Checks to confirm the results of such prior work and reports has not been done. The author has no reason to doubt the correctness of such work and reports. Unless otherwise stated the author has not independently confirmed the accuracy of the data.

Further, while title documents and option agreements were reviewed for this study, it does not constitute nor is it intended to represent a legal, or any other, opinion as to the validity of the title.

4.0 PROPERTY DESCRIPTION AND LOCATION

4.1 Location (Figures 1 to 3)

The centre of the El Toro claim block is located 30 km southwest of Telkwa, which is 11 km southeast of Smithers in central British Columbia *(Figures 1 and 3)*. The property is covered by NTS map sheets 93L/5, 6 and 11 and BCGS map sheets 93L 033 to 035, 043 to 45 and 053 to 055 *(Figures 2 and 3)*. The property is centered at a latitude of 54°30'N and longitude of 127°15'W and is bisected by the northerly flowing Howson Creek drainage *(Figure 2)*. Locations of known mineralized zones are shown in Figure 2 and old workings in Figures 6 to 14 and 18.

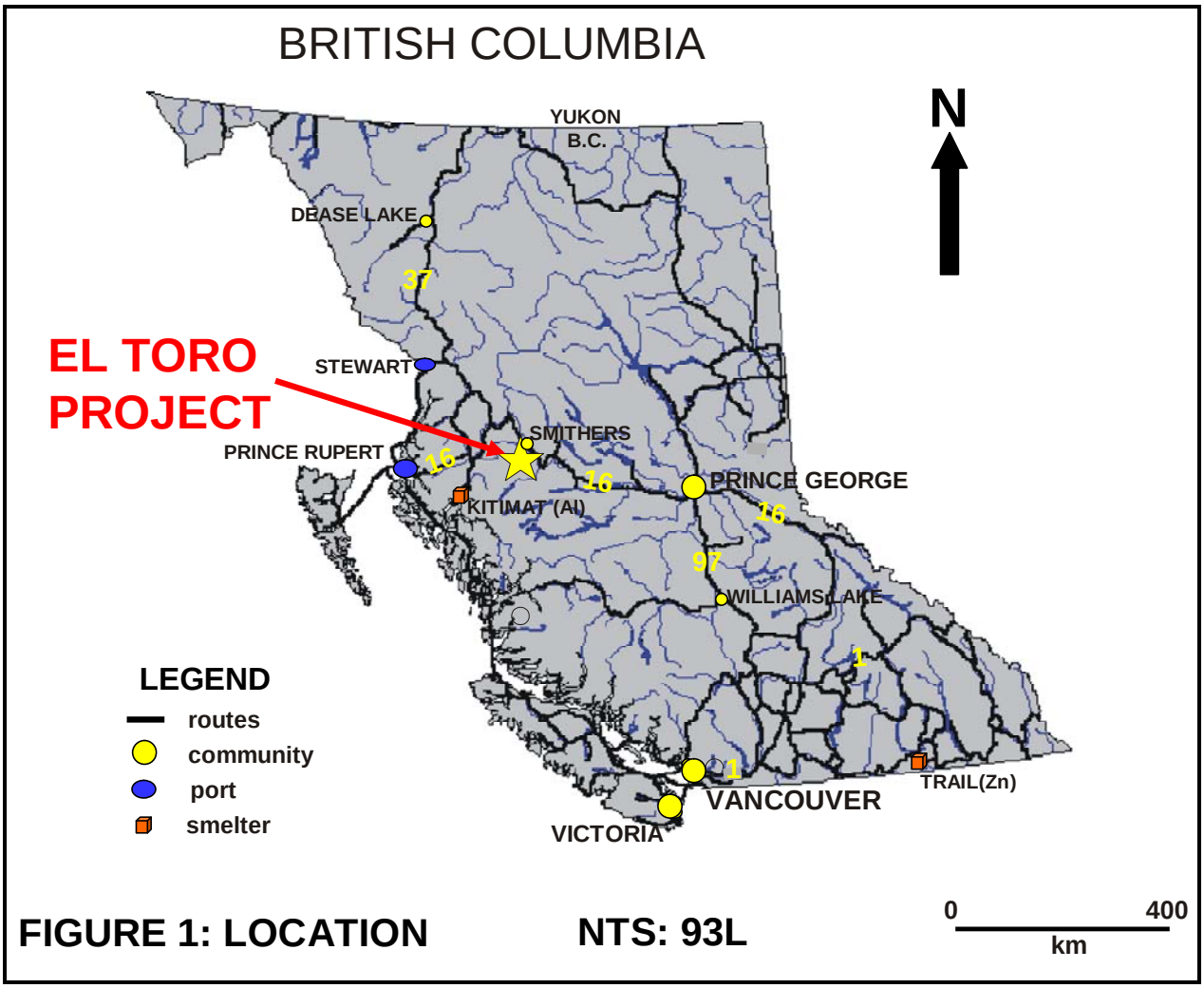


FIGURE 1: LOCATION NTS: 93L

4.2 Land Tenure (Figure 2)

The El Toro Project consists of 26 contiguous Mineral Tenure Online (MTO) claims covering an area of 34,356 hectares in the Omineca Mining Division, British Columbia *(Figure 2).* All claims were staked in accordance with Mineral Titles Online on NTS map sheets 93L/5, 6 and 11, available for viewing at http://www.mtonline.gov.bc.ca and have not been legally surveyed.

The claims are registered in the name of Lions Gate Energy Inc., Client Number 144284. A detailed statement of claims is enclosed in Appendix I with a table summarizing pertinent claim data shown below.

TABLE 1: Claim data

Claim Name	Tenure No.	Area (ha)	Issue Date	Expiry Date*
BULL	525417	450.474	2006/jan/14	2011/nov/27
THE HOOF	554953	621.821	2007/mar/24	2011/nov/27
EL TORRO 33	554956	939.781	2007/mar/24	2011/nov/27
R EYE	554994	3003.585	2007/mar/25	2011/nov/27
MOUTH	554998	2799.986	2007/mar/25	2011/nov/27
TAIL	554999	2818.634	2007/mar/25	2011/nov/27
CHEST	555000	3291.951	2007/mar/25	2011/nov/27
GUTS	555001	3760.121	2007/mar/25	2011/nov/27
BELLY	555002	2634.6712	2007/mar/25	2011/nov/27
REAR LEGS	555003	3499.407	2007/mar/25	2011/nov/27
EAR & HORNS	555004	1989.799	2007/mar/25	2011/nov/27
FRONT LEG	555005	2334.945	2007/mar/25	2011/nov/27
STARR 01 to 02	567390-91	941.0293	2007/oct/03	2011/nov/27
MO-01 to MO-06	567601-06	2824.1869	2007/oct/06	2011/nov/27
PRINCESS 1 - 4	592347-49, 51	1655.2608	2008/oct/01	2011/nov/27
LOLJUH 1 - 2	602408-09	790.7968	2009/apr/10	2011/nov/27
TOTAL		**34,356.449**		

*new expiry date based on acceptance of this report for assessment

Burnie – Shea Park, covering Burnie Lakes and the upper Burnie River, adjoins the southwestern property area as shown in Figures 2 to 5. The Lefty occurrence, part of the Ant prospect, lies within the park. Surveyed lots, which indicate ownership of the surface rights occur around Mooseskin Johnny Lake, the lower portion of Denys Creek, and the extreme northeast corner of the property.

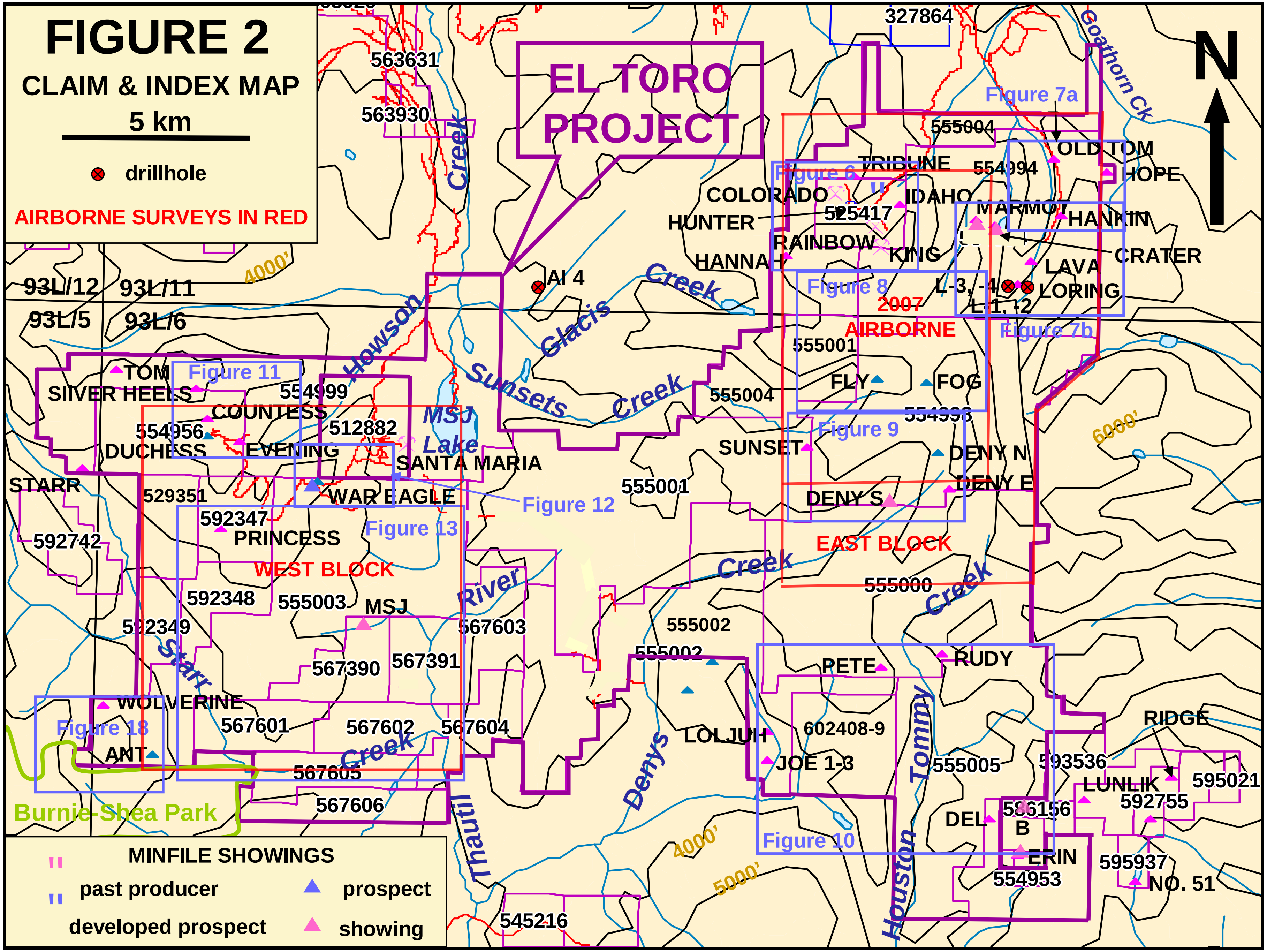


FIGURE 2
CLAIM & INDEX MAP
5 km
drillhole
AIRBORNE SURVEYS IN RED
EL TORO
PROJECT
N
93L/12
93L/11
93L/5
93L/6
4000'
5000'
6000'
563631
563930
327864
Figure 7a
555004
OLD TOM
554994
HOPE
TRIBUNE
Figure 6
COLORADO
IDAHO
MARMOT
HANKIN
HUNTER
525417
RAINBOW
KING
CRATER
HANNAH
LAVA
AI 4
Creek
Glacis
Figure 8
L-3, -4
LORING
2007
L-1, -2
AIRBORNE
Figure 7b
555001
FLY
FOG
Howson
Sunsets
Creek
555004
554996
TOM
Figure 11
SILVER HEELS
554999
COUNTESS
512882
MSJ
Lake
554956
DUCHESS
EVENING
SANTA MARIA
Figure 9
SUNSET
DENY N
DENY E
DENY S
555001
STARR
529351
WAR EAGLE
Figure 12
592347
PRINCESS
Figure 13
592742
WEST BLOCK
EAST BLOCK
Creek
555000
Creek
River
592348
555003
MSJ
567603
555002
592349
555002
Starr
567390
567391
PETE
RUDY
WOLVERINE
Figure 18
567601
567602
567604
LOLJUH
602408-9
RIDGE
ANT
Creek
567605
JOE 1-3
Tommy
555005
593536
LUNLIK
595021
Denys
592755
567606
Burnie-Shea Park
DEL
586156
B
Thautil
Figure 10
ERIN
595937
554953
NO. 51
Houston
545216
MINFILE SHOWINGS
past producer
prospect
developed prospect
showing

Table 2: Minfile Occurrences

NAD 83, Zone 9

Minfile No.	Name	Status	Commodities	NTS	Easting	Northing
HANKIN BASIN						
093L 033	HOPE	Showing	AG, AU, CU	093L11E	624244	6044837
093L 034	OLD TOM	Showing	CU, AG, AU, ZN	093L11E	622780	6045107
093L 035	HANKIN	Showing	CU, AG, AU	093L11E	623036	6043599
093L 036	LORING, SLUMP BLOCK	Showing	CU, AG, MO, AU	093L11E	621936	6041713
093L 037	LAVA	Showing	CU, MO	093L11E	622279	6042310
093L 038	MARMOT, CHIMNEY	Showing	CU, AG	093L11E	620722	6043382
093L 039	CRATER LAKE, COPPER	Showing	CU, AG	093L11E	621282	6043273
HUNTER BASIN						
093L 040	IDAHO	Showing	CU, AG, AU	093L11E	618663	6043699
093L 041	KING	Past Producer	CU, AG, AU	093L11E	618206	6042574
093L 042	HUNTER	Developed Prospect	CU, AG, AU	093L11E	617334	6043603
093L 043	COLORADO	Past Producer	CU, AG, AU	093L11E	616894	6043931
093L 044	RAINBOW	Past Producer	CU, AG, AU	093L11E	618012	6043125
093L 255	TRIBUNE	Showing	AG, CU, AU	093L11E	617403	6044439
093L 080	HANNAH	Showing	AG, CU	093L11E	615625	6042198
SUNSETS BASIN						
093L 045	FOG (FLY)	Prospect	MO, CU	093L06E	618264	6038957
093L 046	FOG	Prospect	MO, CU	093L06E	619580	6038899
DOMINION BASIN						
093L 047	DENY NORTH	Prospect	AG, PB, ZN, CU, AU	093L06E	619972	6037023
093L 049	DENY SOUTH	Showing	CU, AG	093L06E	619840	6035164
093L 050	DENY EAST	Showing	CU	093L06E	620356	6036105
093L 304	SUNSET, SUN	Showing	CU, AG, AU	093L06E	616441	6037024
TOMMY HOUSTON CREEK						
093L 166	LOLJUH	Showing	PB, ZN, AG, CU	093L06E	615663	6029335
093L 168	JOE 1-3	Showing	CU	093L06E	615682	6028563
093L 227	RUDY	Showing	CU, AG, PB, ZN, MO	093L06E	620330	6031620
093L 228	PETE	Showing	CU, AG, AU	093L06E	618664	6031206
093L 299	DEL	Showing	CU, AG	093L06E	621799	6027237
HOWSON BASIN						
093L 061	PRINCESS	Showing	ZN, CU, AG	093L06W	600601	6034173
093L 062	WAR EAGLE	Prospect	CU, AG, ZN	093L06W	603164	6035560
093L 064	EVENING	Showing	CU, PB	093L06W	601016	6036563
093L 065	SILVER HEELS,	Showing	CU, AG, AU	093L06W	599780	6037928
093L 066	DUCHESS (L.1820)	Prospect	CU, AG, AU, ZN, PB	093L06W	600149	6036668
093L 067	COUNTESS (L.1826)	Showing	CU	093L06W	600139	6037132
093L 068	TOM, CONTENTION	Showing	CU	093L06W	597610	6038344
093L 069	STARR	Showing	CU, AG	093L05E	596803	6035668
STARR CREEK						
093L 241	MSJ	Showing	CU, MO	093L06W	605793	6030178
093L 189	WOLVERINE, LG	Showing	CU	093L06W	597624	6029255
093L 320	ANT 1, LEFTY	Prospect	CU, AG, ZN, AU	093L06W	599022	6028017

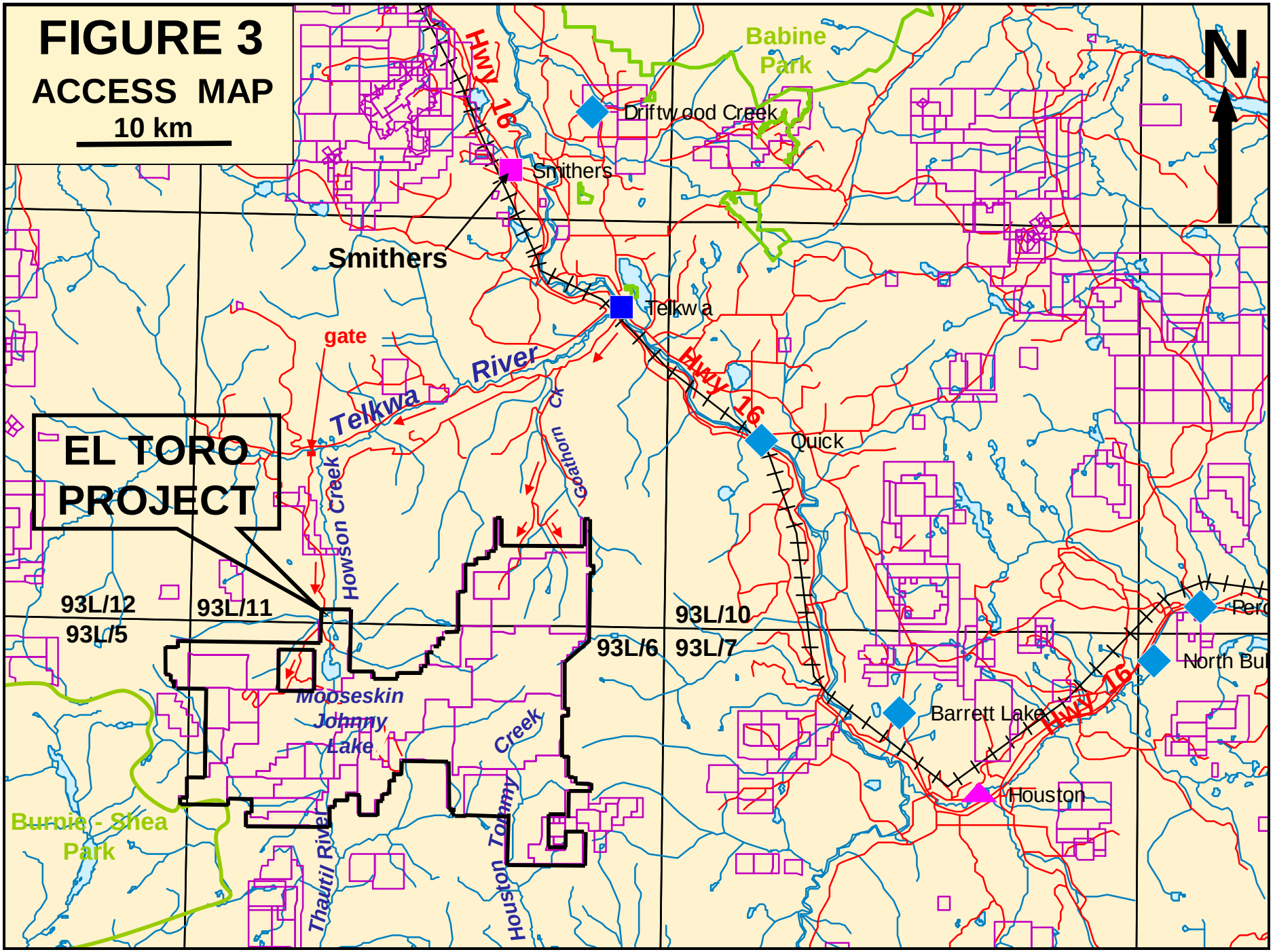


FIGURE 3
ACCESS MAP
10 km
N
Babine Park
Driftwood Creek
Hwy 16
Smithers
Smithers
Telkwa
gate
Telkwa River
Howson Creek
Goathorn Ck
Hwy 16
Quick
EL TORO PROJECT
93L/12
93L/5
93L/11
93L/6
93L/10
93L/7
Mooseskin
Johnny
Lake
Creek
Houston Tommy
Thautil River
Burnie - Shea Park
Barrett Lake
Hwy 16
Houston
North Bul

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

5.1 Access, Local Resources and Infrastructure (Figures 2 and 3)

Access to the property from Telkwa is via the Coal Mine road, an all-weather gravel road, which initially follows the south side of the Telkwa River. To access the eastern property area (Hunter and Hankin Basins) the road is followed for 7 km to Goathorn Creek, at which point a logging road is taken to the south for 3 km to a junction where the right fork is followed, initially crossing Goathorn Creek, for 11 km to a second junction. The right fork accesses Hunter Basin, and continues for another 4 km at which point ATV access is recommended. The left fork, followed by a right fork, continues for 3.5 km to an ATV trail, which accesses the Old Tom-Hankin showings.

The western property area is accessed by continuing along the Telkwa River for 18 km past Goathorn Creek (to km 25), crossing a bridge to the north side of the river at km 14. At this point a locked gate (key available from the Forest Service) accesses a logging road, which is followed for 7 km, past one junction on the left at km 6.5. At 7 km a second road to the left is followed for 4 km to the end, at which point an ATV trail is followed for 3 km to a junction, then following the right branch for 6 km to the War Eagle area and another 4 km to the closest access to the MSJ showing, and followed another 4.5 km to the Princess. The ATV trail continues beyond this point to the west.

Upper Hankin Basin, Sunsets Basin, Dominion Basin, Tommy Houston Creek, Starr Creek and the Evening Creek portion of Howson Basin are best accessed by helicopter from Smithers.

Power transmission lines follow the Telkwa River, approximately 10 km north of the property, and the Bulkley River, 10 km to the east. Smithers and Telkwa lie along the Canadian National Rail line linking Prince George with Prince Rupert with freight and passenger service available at Smithers.

The town of Smithers, with a population of approximately 5,414, is the trading centre for the entire Bulkley Valley with an area population of approximately 20,000. It lies along Highway 16, part of the under-utilized Northwest transportation corridor, with Prince George located 370 km to the east and the port of Prince Rupert, 350 km to the west. Smithers has an airport with service to Vancouver and other communities within British Columbia. Facilities include a hospital, RCMP station, post office, government services, motels and hotels, grocery stores, service stations, restaurants, recreation facilities, a college, freight and courier services, bus facilities and helicopter and fixed wing aircraft bases. Smithers has a strong mining oriented labour force.

The village of Telkwa, 11 km southeast of Smithers via Highway 16, is the closest community to the property *(Figure 3)*, and has a population of 1,426. Main industries include forestry, agriculture, tourism, and mining. Facilities include accommodation (lodges and bed & breakfasts), a gas station/restaurant, recreation facilities, a small mining oriented labour force and some local heavy equipment availability.

5.2 Physiography and Climate (Figures 2 and 3)

The El Toro Project lies within the Telkwa Range, situated at the south end of the Bulkley Ranges of the Hazelton Mountains of west-central British Columbia (Figures 2 and 3).

The eastern and western portions of the property are rugged, separated by the broad and swampy Howson Creek drainage which flows northerly into the Telkwa River, which, in turn, flows easterly into the Bulkley River. Elevations range from approximately 950m along Howson Creek in the north-central property area to 2338m at the headwaters of Sunsets Creek. Vegetation primarily consists of large spruce forests, with some pine, and thickets of willow and alder which gives way to scrub balsam at subalpine elevations. Approximately one-third of the claim area lies above tree line, at approximately 1500m, with grassy highland plateaus and talus filled cirques.

Water is available year round from Howson Creek, its east and west flowing tributaries and easterly flowing tributaries of the Bulkley River, and in the south, the southerly flowing Thautil River and its tributaries *(see Figure 3)*. Although there does not appear to be any topographic or physiographic impediments, and suitable lands appear to be available for a potential mine, including mill, tailings storage, heap leach and waste disposal sites, engineering studies have not been undertaken and there is no guarantee that such areas will be available within the subject property.

The area has a moderate climate with temperatures ranging from -10.6 to 18ºC in Telkwa. Average annual rainfall is 287 mm, and median snowfall is 197 mm. Temperatures would be cooler at the higher elevations on the property. The exploration season generally extends from mid June to mid September.

6.0 HISTORY

The El Toro Project covers 36 Minfile showings *(Figure 2)* as documented by the British Columbia Geological Survey Branch and summarized in Table 2 on page 6 *(British Columbia Minfile, 2008)*. A summary of the work completed by various operators, as documented in assessment reports filed with the British Columbia Ministry of Energy and Mines and various reports by the British Columbia Geological Survey Branch or its predecessors, is summarized below. The showings have been grouped by area due to the abundance of showings and similar history for adjacent showings. Old workings are shown in Figures 6-14.

6.1 Hunter Basin (King, Rainbow, Idaho, Hunter, Colorado, Tribune, Hannah)

1903-04 Initial discovery by W. Hunter of King, Rainbow, Hunter, Idaho showings (*BCDM, 1904-05)*.

1909-15 Two tunnels were driven on the Colorado and at least one shaft on the Tribune prior to 1915 *(Tompson, 1982)*. In 1914 38 tonnes of ore was shipped from the Colorado recovering 155,515 g Ag and 2722 kg Cu *(British Columbia Minfile, 2008)*. Several open cuts and a 4.8m adit were cut on the Hunter in 1914 exposing high grade lenses, with 23 tonnes from the dump assaying 1.2% Cu, 2523 g/t Ag and 0.69 g/t

Au *(British Columbia Minfile, 2008)* and a tunnel was driven on the Hannah, with no significant mineralization encountered *(BCDM, 1915)*.

1914-41 Combined production from the King and Rainbow mines totaled 269 tonnes of hand-sorted ore which produced 8160g Au, 283,366g Ag, and 42,710 kg copper. *(British Columbia Minfile, 2008)*.

1962 Canadian American Mining Co. Inc. shipped 24.5 tonnes of ore which produced 373g Au, 11,539g Ag , and 1647 kg copper *(BCDM, 1962)*.

1967 An induced polarization survey in Hunter Basin for Canadian American Mining Co. Inc. identified several conductors that could represent the extensions of known mineralization and additional zones *(Baird, 1967)*.

1982 The Colorado tunnel was re-opened by Lloyd Gething and a 020-030º/70Wº quartz-calcite-adularia vein zone was identified with tetrahedrite and electrum *(Tompson, 1982)*.

1988 Mapping and soil geochemistry on Colorado-Tribune by Atna Resources Ltd. delineating four north trending structures with anomalous copper and silver *(Harivel, 1988)*.

1989 Old workings in Hunter Basin were located and sampled by Van Alphen *(Ethier, 1989)*.

6.2 Hankin Basin (Old Tom, Hankin, Hope, Marmot, Lava, Loring, Crater)

1899-20 Discovery of copper mineralization in Hankin Basin followed by additional discoveries in area and exploration by open cuts and adits (*BCDM, 1900 and 1915).*

1968-69 Geochemical and magnetic and self potential geophysical surveys were completed on Loring Creek area by Falconbridge Nickel Mines with anomalies delineated *(Brown, 1968 and Rutherford, 1981),* which were followed up by 210.6m of diamond drilling in four holes *(BCDM, 1969)*.

1973-78 Geochemical and geophysical surveys by Maharaja Minerals, with diamond drilling on the Old Tom showing in 1973 and 1978 (3 holes), and on the Marmot in 1975 and 1978 (Rutherford, 1981). The average assay from chip sampling a 24.3m cliff section on the Marmot is 4.3% Cu and 109.71 g/t Ag (*McAndrew et. al., 1973)*.

1980-83 Magnetic (50 km), short VLF-electromagnetic and geochemical soil surveys on Crater Lake – Marmot areas and a short induced polarization survey on the Marmot by Mecca Minerals. Known mineralized zones were detected and additional anomalies delineated by the geophysical and soil surveys (*Rutherford, 1981 and 1983)*.

1991 Quartz-carbonate vein discovered by Skeena Resources Ltd. returned 39.6 g/t Au, 300 g/t Ag with 7.3% Pb and 8.4% Zn, 500m southwest of Loring showing *(Jamieson, 1991a)*. Suggests potential for similar mineralization to Friendly Trench at Deny North. Also Cu-Ag±Au skarn mineralization (5.5% Cu, 280 g/t Ag, 0.75 g/t Au) discovered 1 km southwest of Loring, Cu-Zn mineralization 2 km south of Loring (1.8% Cu, 10.3% Zn, 0.6 g/t Au) and significant Cu±Ag at Loring (10.6% Cu, 350 g/t Ag) *(Jamieson, 1991a)*.

6.3 Sunsets Basin (Fog, Fly)

1966-7 Copper - molybdenum stream sediment anomalies were delineated by Noranda Mines Ltd. in southwest part of the Sunsets Pluton. Mapping, soil geochemistry, trenching and VLF-electromagnetic surveys indicated a typical "porphyry" environment with several possible conductors *(Dirom, 1967)*.

1968 Soil geochemical (200 ft spacing on lines 400 ft apart) and horizontal loop electromagnetic surveys with minor mapping, delineated a western copper (rimming Fly) and eastern copper - molybdenum (Fog) soil anomaly, the latter with a weak conductive zone coincident with previous VLF anomalies. This was followed by 152.4m of diamond drilling in 2 holes on the lower Fly by Whitesail Mines Ltd. but results not reported *(Woolverton, 1969)*.

1970 Diamond drilling of 478m in 3 holes (on the upper Fly) by Ducanex Resources Ltd. under option from Whitesail Mines Ltd. but results not reported *(Allen, 1981)*.

1980-81 Nine spot check grab samples by Canadian Nickel Company Limited for Redfern Resources Ltd. yielded maximum results of 0.645% Mo with 0.08% Cu and 0.25% Mo over 0.5m from the Fog, and 0.102% Mo and 0.11% Cu from the Fly phyllic alteration zones in 1980 *(Kenyon, 1980)*. This was followed by mapping, rock and soil geochemistry to confirm previous data, and an evaluation of old drill core stored on site *(Allen, 1981)*.

1991 Significant copper in rock (up to 0.59% Cu) obtained in north to northeastern Sunsets stock by Skeena Resources Ltd. *(Jamieson, 1991a)*.

6.4 Dominion (Denys) Basin (Deny North, Deny South, Deny East, Sunset)

1989 Discovery with rumours of "oldtimers" packing out high-grade gold ore *(Kikuchi, 1985)*.

1912-14 Discovery of native silver from a narrow 035º/60ºSE quartz vein which was explored by a short adit (1,615m elevation) and several open cuts (Sunset showing) with values up to 18.8% Cu, 27.6 oz/t Ag and 0.03 oz/t Au on cliffs on south side of Sunsets Creek *(BCDM, 1915)*.

1953 Geological survey by New Jersey Zinc Exploration Ltd. in Dominion Basin with two chip samples from Deny North assaying 1.6% Cu 13% Zn 7.2% Pb 117.0 g/t Ag 3.0 g/t Au and 3.3% Cu 21% Zn 0.4% Pb 156.0 g/t Ag 0.3 g/t Au (*Kikuchi, 1985)*.

1968-69 Geological and geochemical surveys, 27.6m of pack-sack diamond drilling in 3 holes on Deny North, intersecting minor copper-silver-zinc mineralization, and diamond drilling of several holes northeast of Deny South with the last 5m of core in one hole assaying 2.72% Cu and 25 g/t Ag, all by Falconbridge Nickel Mines Inc. (*Kikuchi, 1985)*.

1973-74 Mapping and hand trenching on Deny North and South (*Kikuchi, 1985)* and Sunset *(Pardoe, 1988)* showings by Maharaja Minerals Ltd. A 2 km magnetometer survey over North showing picked up known mineralization. Nine holes diamond drilled on Deny South but inconclusive due to core poor recovery (*Kikuchi, 1985)*.

1980 Mecca Minerals conducted a detailed chip sample survey on the "Friendly Trench" at the North showing yielding an average of 70.2 g/t Ag and 2.21 g/t Au for 34 samples along 8.5m of the vein and maximum values of 342 g/t Ag and 21.6 g/t Au *(Kikuchi, 1981)*.

1984 Discovery and mapping of Deny East showing *(Kikuchi, 1985)*.

1988 A program of geological mapping, prospecting and silt sampling on the Sunset showing by Geostar Mining Corporation returned 16.53% Cu, 63.11 oz/t Ag and 0.124 oz/t Au from the ore stockpile of an old adit, which appears to have been driven on a 0.35m wide 025º/55ºSE quartz vein and maximum values of 2.73% Cu and 1.22 oz/t Ag and 0.009 oz/t Au from other mineralized stringers *(Pardoe,* 1988).

6.5 Houston Tommy Creek (Del, Joe, Loljuh, Rudy)

1967-73 Geophysics, geochemistry and 90.2m of diamond drilling in 7 holes by Noranda Exploration Co. Ltd. targeting porphyry Cu-Mo potential in a monzonite intrusion along Loljuh Creek *(Helgason, 1987 and BCDM, 1969 and 1971)*. No results were reported.

1965-69 Excavator trenching on Del in conjunction with work to east *(British Columbia Minfile, 2008)*.

1969 Geophysics, geochemistry and mapping following airborne survey by Summit Oils Ltd in Joe-Loljuh area indicating significant copper-silver-lead-zinc in soil anomalies *(Pacific Geochemical Services Ltd., 1970)*.

1970-72 Magnetic, electromagnetic and induced polarization geophysical surveys, soil geochemistry and mapping for Lobell Mines Ltd under option in Joe-Loljuh area outlining a strong chargeability anomaly with associated copper in soil geochemistry in southern survey area *(Stevenson, 1970 and White, 1972)*.

1973 Prospecting, sampling and reconnaissance mapping of the Pete, Rudy area by Maharaja Minerals Ltd with maximum results of 32.8% Cu, 6,460 g/t Ag from a 2.4m wide shear on the Rudy and an average of 5.5% Cu, 191.3 g/t Ag and 1.47 g/t Au from 0.3 to 0.9m wide veins on the Pete *(McAndrew, 1974a,b)*.

1987 Soil geochemistry (780 samples) and evaluation of showings by Geostar Mining Corp. outlined two significant copper-silver-zinc±lead±arsenic soil anomalies from Loljuh-Joe area *(Helgason, 1987)*.

1988 Follow up of RGS stream anomalies with reconnaissance soil, silt and rock sampling by Noranda Exploration Co. Ltd. outlined a 500m long Pb-Zn soil anomaly and 6.1% Cu, 25 g/t Ag from a quartz-epidote vein from Del area *(Campbell, 1988)*.

6.6 Howson Basin (Duchess, Countess, Evening, Silver Heels, Starr, Tom, War Eagle, Princess)

1905-1910 Exploration by open cuts, shafts, 2 adits on Duchess, 1 adit (21m) on Evening, and work on War Eagle by Telkwa Mines Ltd. *(Jamieson, 1991b and Cuttle, 1990)*.

1915-1917 Exploration by Jefferson-Dockrill Syndicate *(Jamieson, 1991b and Cuttle, 1990)*.

1928-29 Extension of adits by Cominco on Duchess with only narrow zones of mineralization found *(Jamieson, 1991b)*. A total of 1224m of underground workings is reported in 2 adits with the upper adit encountering good mineralization averaging 4-5% Cu in the first 27m after which the zone is cut off by faulting. Only narrow zones of mineralization were encountered in the lower adit *(Price, 1983)*.

1952 Hand trenching of Princess showing on rim of cirque by Kennecot *(Preto, 1967)*.

1966-67 An airborne electromagnetic survey followed by induced polarization, electromagnetic and self potential geophysical surveys, a soil geochemical survey, geological mapping, trenching and diamond drilling of 6 holes on the Duchess were completed by Norcan Mines Ltd. Coincident geophysical anomalies were outlined in a drift covered area *(Stevenson, 1970)*.

1968 Mapping, prospecting, sampling, geophysics and trench rehabilitation by Bethex on the Duchess and Evening *(Jamieson, 1991b)*. Bethex drill hole N-1 or Pathfinder? *(Cuttle, 1990)*

1966-70 A 2.5 km induced polarization survey, soil geochemical surveys, and in 1968 a deep drill hole, were completed by Pathfinder Resources Ltd. A broad east-west trending magnetic anomaly and copper soil anomalies were outlined associated with a stock at the War Eagle pyrite zone and the drill hole intersected porphyry style alteration *(Sharp, 1970)*.

1969-73 Access trail construction, minor trenching, followed by mapping and sampling by Maharaja Minerals Ltd. in 1973 on the Tom showing. Two vein/shear zones are reported with maximum values of 16.9% Cu and 6.58 oz/t Ag.*(Cullen and Biss, 1974)*.

1983 Minor sampling and VLF-electromagnetic geophysics by Joyce Warren returning 7% Cu and 5.74 oz/t Ag on the Duchess *(Jamieson, 1991b)*.

1991 Minor sampling and examination of Duchess and Evening adits by Skeena Resources Ltd. with the best sample returning 9% Cu and 88 g/t Ag over 1m on the Duchess and 1.9% Cu from the Evening *(Jamieson, 1991b)*.

6.7 Starr Creek (MSJ, Ant, Wolverine)

6.7.1 MSJ

1974 A 20 km induced polarization survey (with 1,000 ft line spacings by Hudson's Bay Oil and Gas Co. Ltd delineated a 5,000 by 10,000 ft chargeability high, associated with phyllic alteration in a quartz monzonite intrusion in Trail Creek (MSJ showing) and surrounding overburden covered terrain *(Homeniuk, 1974)*.

1989 A geochemical evaluation by Placer Dome Inc. on the MSJ showing for A. Schmidt, found anomalous copper and gold in rock, silt and bulk silt samples *(Schmidt, 1989)*.

1991 Grid soil samples (201 samples) were collected at 100m intervals on 200-400m spaced lines was undertaken over the 1974 chargeability high by Cominco under option. Higher values were found, especially for zinc, over the western portion of the area *(Pauwels, 1991)*.

6.7.2 Ant, Wolverine

1971 Geological and soil geochemical (339 samples) surveys and 130m of trenching by Granby Mining Co. Ltd. on the Wolverine showing, delineating breccia veins with chalcopyrite *(BCDM, 1971)*.

1987 Prospecting, mapping, magnetometer and VLF-electromagnetic surveys, and excavator trenching by Atna Resources Ltd. on Ant showing with discovery of a 3 by 0.6 km epithermal system with values up to 4.1 g/t Au across 0.6m on Lefty 1 *(Hanson, 1991)*.

1990 Mapping and soil geochemical and induced polarization surveys by Atna Resources Ltd. resulted in discovery of an 800m long shear zone with associated copper-silver-gold mineralization on Ant 1, which was followed by 1100m of diamond drilling in 7 holes. The drill program intersected a phyllic altered zone related to a major northeast trending shear zone with minor chalcopyrite, sphalerite and tetrahedrite *(Hanson, 1991)*.

In 1967 Pyramid Mining Co. Ltd. completed Turam electromagnetic and magnetic surveys on a number of claims within the El Toro Project area, including the Phil, John and Dave claims south of Starr Creek (Mo-05, -06 claims), the Al claims near the outlet of Glacis Creek, on the Mike claims at the headwaters of Glacis and Sunsets Creeks and along Sunset Ridge to the south to delineate drill targets *(Baird, 1968)*. In 1969 one hole was diamond drilled on the Phil 6 claim, one on the Al 4 claim, one on the Mike 44 claim (west of Fly) and some holes on the Mike 3, 11, and 12 claims (above Sunset Adit). Results of this program *(BCDM, 1969)* could not be located.

In 2007 Lions Gate Energy Inc. undertook a 629 line km airborne magnetic and electromagnetic Aerotem 2 geophysical survey over the Sunset stock with 100m line spacing on north-south lines, delineating a strong magnetic low in the southern stock area. A reconnaissance evaluation of some of the showings on the El Toro Project was initiated with significant molybdenum obtained from the Fly showing within the Sunsets stock.

The 2008 program by Lions Gate Energy Inc. involved mapping, prospecting, rock and soil geochemical sampling, GPS surveying of old workings and drill hole collars, and a 1495 line km airborne magnetic and electromagnetic geophysical survey in 2 blocks resulting in the coverage of approximately 50% of the property. The program identified potential for significant gold bearing quartz sulphide vein type mineralization in southern Hunter Basin, Dominion (Denys) Basin and along the 4.2 km long Princess-Duchess-Countess-Silver Heels structure. Possible bulk tonnage and local high grade copper-silver-gold potential with significant similarities to the past producing Equity Silver mine exists in Hankin Basin The airborne survey delineated additional electromagnetic anomalies in Hunter Basin, Hankin Basin, Denys Creek area and peripheral to the MSJ stock. A 2 km diameter magnetic low in the Starr Creek area was identified which may reflect an altered intrusion.

Four stocks of the Bulkley plutonic suite with calc-alkaline porphyry copper±molybdenum±gold(silver) potential were identified, the Sunsets, the MSJ, the War Eagle stock and the Loljuh stocks. The Huckleberry Mine, 70 km south of the El Toro Project, is an example of this deposit type and is associated with a stock of the Late Cretaceous Bulkley plutonic suite. Potential for epithermal style mineralization was recognized in the southwest project area.

7.0 GEOLOGICAL SETTING

7.1 Regional Geology (Figure 4)

The El Toro Project is underlain by arc volcanic rocks of the Upper Paleozoic to Middle Mesozoic Stikine Terrane, allochthonous rocks accreted to North America in the Jurassic. The Stikine Terrane is intruded by post-accretionary stocks and plutons of Jurassic to Tertiary age and overlain by overlap assemblages of the Bowser Basin in the north and the Nechako Basin in the south. The following discussion of the regional geology is based on mapping by the British Columbia Geological Survey shown on Figure 4 and available at http://www.empr.gov.bc.ca/Mining/Geolsurv/MapPlace.

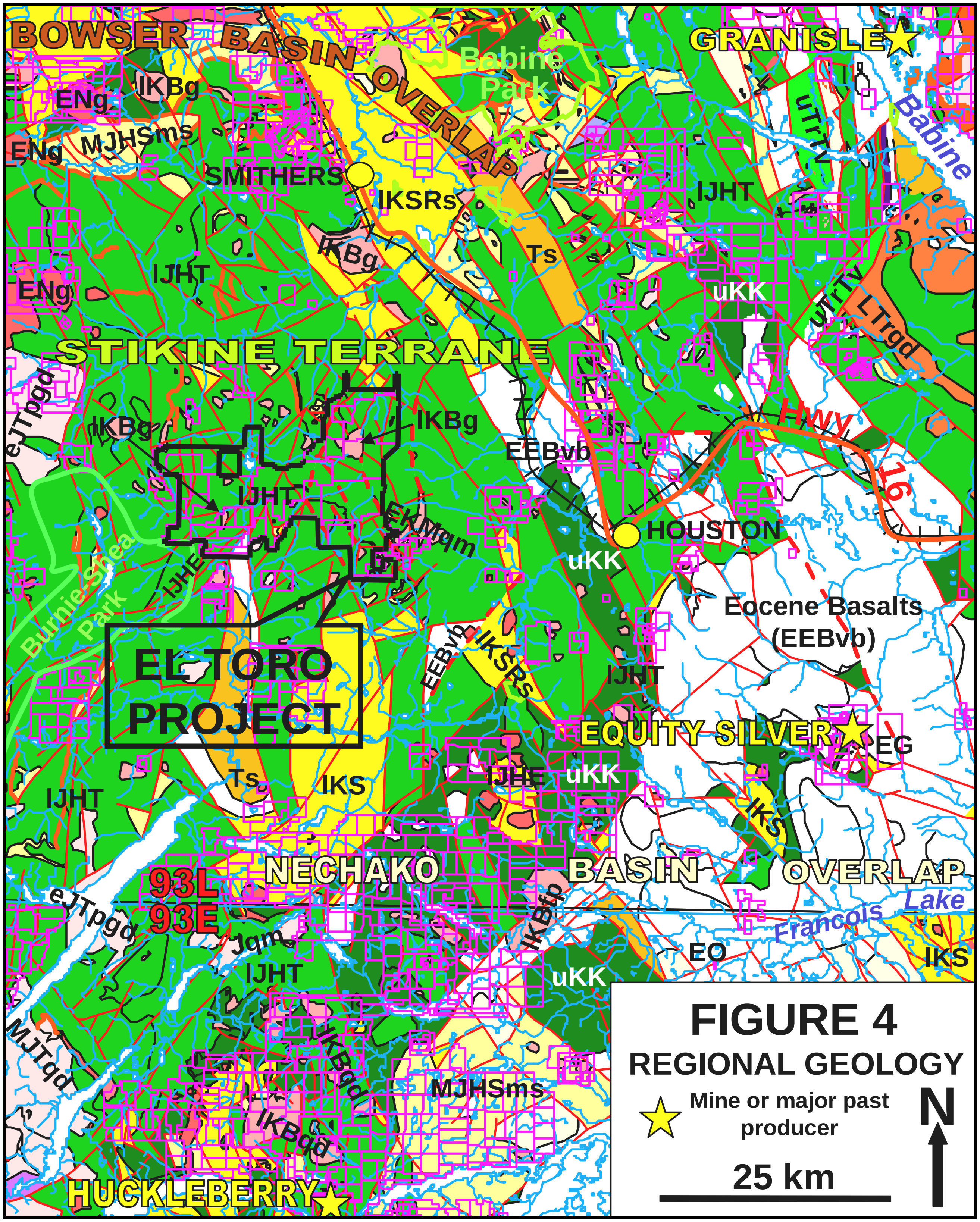
Within the regional map area (93L and north 93E) the Stikine Terrane consists of the Lower Jurassic Hazelton Group, predominantly calc-alkaline volcanic rocks of the Lower Jurassic Telkwa Formation (**lJHT**) with minor volcaniclastic rocks of the Eagle Peak Formation (**lJHE**). Subaerial andesitic to dacitic crystal and lithic tuffs predominate over rhyolitic flows, breccia and vesicular basalt. The Hazelton Group is underlain by intermediate to mafic marine volcanic and sedimentary rocks of the Upper Triassic Takla Group (**uTrTv**), the oldest rocks in the region, which are exposed in the northeastern map area around Babine Lake.

The Stikine Terrane is overlain by marine shale, greywacke, breccia, tuff and conglomerate of the Middle Jurassic Smithers (**MJHSms**) and Ashman Formations (**uJBAms**), and by coarse clastic rocks of the Upper Cretaceous Skeena Group (**LKS**), primarily the Red Rose Formation, which consists of shale, greywacke, conglomerate and coal (**LKSRs**).

The above lithologies are cut by intrusions of three main plutonic suites. The oldest are the Topley plutonic suite, of primarily Early Jurassic age consisting of quartz monzonite and granodiorite stocks (**EJTpgd**) arrayed in a northeast trending belt in the eastern regional map area. Small equant stocks and bosses of the Late Cretaceous Bulkley Intrusions (**lKBg**), composed of quartz monzonite, granodiorite and quartz diorite (**lKBqd**), occur in a northwest trending belt that extends from the Huckleberry Mine area through the El Toro Project area and into the north Smithers area. The youngest and most abundant intrusions are small stocks and bosses of the Eocene Nanika Intrusions, consisting of quartz monzonite, granodiorite and quartz diorite compositions that form a wide northwest trending belt across the Smithers map area (93L), coincident with that of the Bulkley Suite.

Early Tertiary sedimentary rocks (**Ts**) are exposed near the perimeter of the Bowser and Nechako Basins. Eocene basalts (**EEBvb**) extensively overlie much of the southeastern map area, within the Nechako Basin, with felsic volcanic rocks (**EO**) dominating generally south of Francois Lake.

Extensional basin and range type block faulting characterizes the area. More penetrative north-northwest and north trending faults are evident with less continuous east-northeast trending faults.


BOWSER BASIN OVERLAP
Babine Park
GRANISLE
lKBg
ENg
MJHSms
SMITHERS
lKSRs
lJHT
uTrTv
Babine
Ts
lKBg
uKK
STIKINE TERRANE
LTrgd
eJTpgd
HWY 16
EEBvb
EKMqm
HOUSTON
Burnie-Shea Park
lJHE
Eocene Basalts (EEBvb)
EL TORO PROJECT
EQUITY SILVER
EG
Ts
lKS
NECHAKO BASIN OVERLAP
93L
93E
Jqm
lKBfp
EO
Francois Lake
MJTqd
lKBqd
HUCKLEBERRY
FIGURE 4
REGIONAL GEOLOGY
Mine or major past producer
25 km
N

Economically, the Huckleberry copper±molybdenum±gold porphyry Mine, 70 km south of the El Toro Project, is associated with a stock of the Late Cretaceous Bulkley plutonic suite, with mineralization occurring within both the stock and the hornfelsed Telkwa Formation volcanic rocks of the Hazelton Group, both of which underlie the El Toro Project. Huckleberry opened in 1997 with a mineable reserve of 90 million tonnes of 0.51% Cu, 0.062 g/t Au and 2.8 g/t Ag. The Granisle and Bell copper±molybdenum past producing mines in the Babine Lake area are hosted by Eocene Babine intrusions of quartz diorite and biotite feldspar porphyry compositions.

The Equity Silver past producing mine, 60 km southeast of El Toro, is a subvolcanic silver-gold-copper or transitional type deposit which has similar characteristics to mineralization observed on the El Toro Project. Equity Silver produced 33.8 million tonnes of 0.4% copper, 64.9 g/t Ag, and 0.46 g/t Au. Characteristics of this deposit type will be discussed under section 8.0, “Deposit Types”.

7.2 Property Geology (Figure 5)

The El Toro Project is primarily underlain by the Telkwa Formation (**lJHT**) of the subaerial to locally submarine Lower Jurassic Hazelton Group, dominated by bedded maroon and green subaerial andesitic to dacitic crystal and lithic tuffs and lesser breccia, with minor flow interbeds including vesicular basalt. Rhyolitic flows and tuffs occur in the southwest property area (Ant-Wolverine showings) and in the southeast at the Del and Rudy showings. Minor volcaniclastic rocks of the Eagle Peak Formation (**lJHE**), which overlies the Telkwa Formation, locally underlie part of Hunter Basin in the northeast property area, along southern Starr Creek and just east of its junction with the Thautil River in the southwest property area and just north of the Loljuh showing, south of the bend in Denys Creek. *(Refer to Figure 5.)*

Thin beds of fine clastic sedimentary rocks of the Lower Cretaceous to Jurassic Hazelton Group Nitwitka Formation (**lKJHNk**) are exposed in the eastern property area, primarily in the southeast. A small exposure of the Nitwitka Formation and coarse clastic rocks of the Late Cretaceous Skeena Group (**LKS**) underlies the south-central property area.

Small bosses, stocks and related dykes and sills of the Late Cretaceous Bulkley plutonic suite, primarily of quartz monzonite, monzonite and granodiorite compositions intrude the Hazelton Group across the El Toro Project. The best exposed stock, located above tree line in Sunsets Basin and referred to as the Sunsets stock, is approximately 2 by 3 km in size and has been radiometrically dated at 70 Ma *(Carter, 1974)*. Two distinct phases of the Sunsets stock have been recognized and mapped, grey quartz monzonite porphyry with feldspar and quartz phenocrysts in a fine grained potassium feldspar rich matrix and a later coarser grained porphyritic quartz monzonite *(Allen, 1981)*. The stock has domed the surrounding pyroclastic sequence, which dips away from the stock in all directions *(Sutherland Brown, 1967)*. A hornfels zone up to 300m wide surrounds the Sunsets stock, *(Allen, 1981)*.

An incompletely exposed Bulkley quartz monzonite stock, possibly similar in size to the Sunsets stock, is exposed in the Starr Creek area which will be referred to as the MSJ stock. A poorly exposed quartz monzonite to granodiorite stock of the Bulkley plutonic suite, possibly of similar size, is exposed in the Houston Tommy Creek area near Loljuh Creek and will be informally referred to as the Loljuh stock. A smaller, 1km diameter Bulkley feldspar porphyry stock is exposed at the War Eagle Pyrite zone, which will be referred to as the War Eagle stock. A 0.5 by 1 km subvolcanic monzonite stock (related to felsic volcanism in the area) has been mapped proximal to the Ant and Wolverine showings. A buried intrusion is suggested by alteration and dykes below Joker Ridge in the Howson Basin area.

A Bulkley quartz porphyry stock is mapped to the west of the Del showing. An Early Cretaceous aged quartz monzonite pluton (eKMqm), of the McCauley Island plutonic suite, lies just east of the southeastern property area. A number of small diorite intrusions have been identified in the property area, which may represent subvolcanic intrusions associated with the Telkwa Formation volcanic rocks.

Abundant dykes primarily associated with the Bulkley plutonic suite, including granodiorite, quartz diorite, feldspar porphyry and quartz-feldspar porphyry compositions, intrude the Hazelton Group throughout the property.

Eocene basalts of the Buck Creek Formation of the Endako Group (**EEBvb**) overlie the above lithologies in the southern property area, just west of the Thautil River and occur as dykes throughout the property area.

A prominent north trending fault trends through the Mooseskin Johnny Valley. Two through-going north-northeast trending faults bisect the central property area, one of which extends through Hunter Basin. Extensional basin and range type block faulting, which characterizes the regional area, is evident across the property.

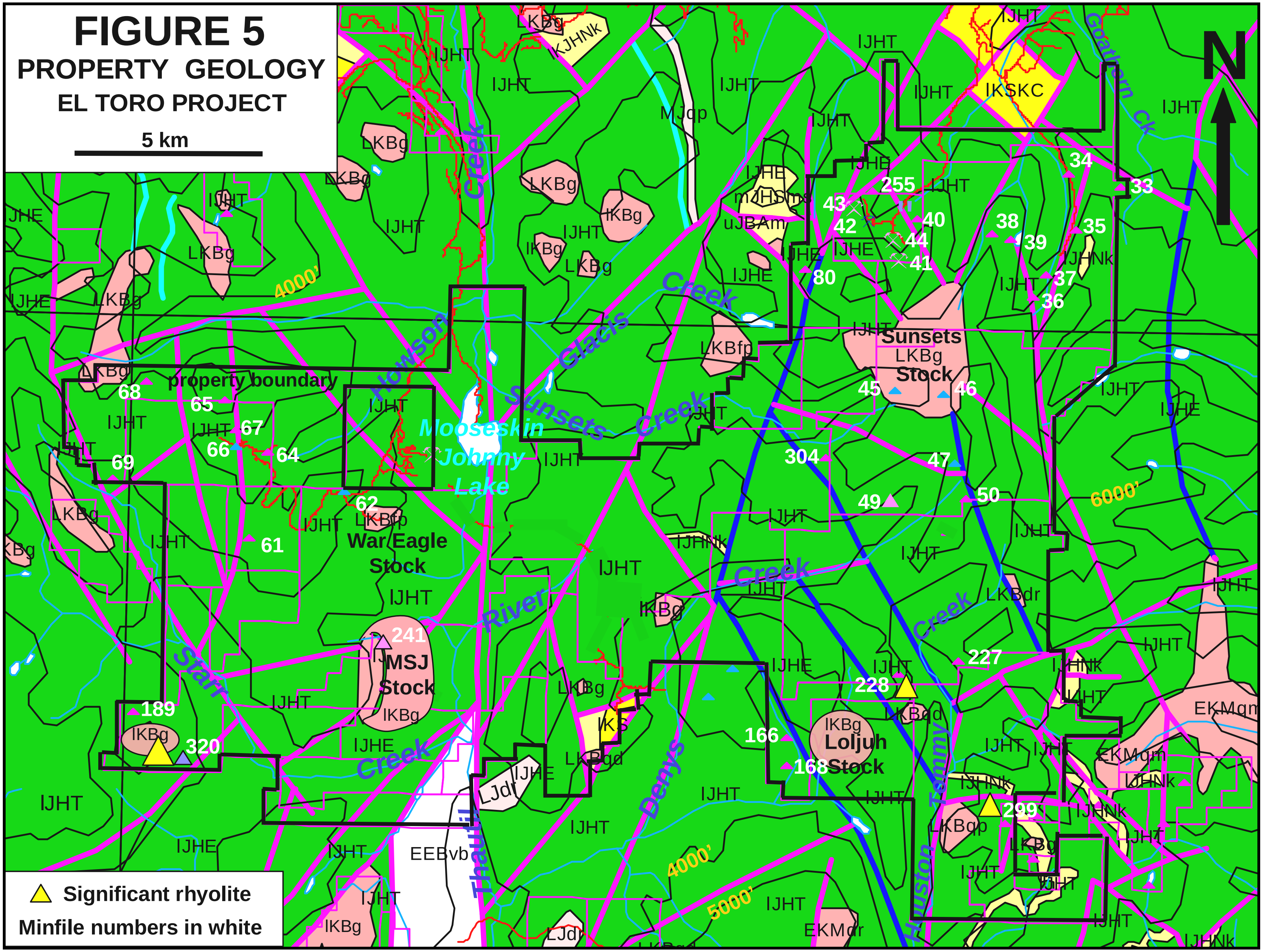


FIGURE 5
PROPERTY GEOLOGY
EL TORO PROJECT
5 km
N
Significant rhyolite
Minfile numbers in white
property boundary
Mooseskin Johnny Lake
Sunsets LKBg Stock
War Eagle Stock
MSJ Stock
Loljuh Stock
Howson Creek
Glacis Creek
Sunsets Creek
Thautil River
Starr Creek
Denys Creek
Tommy Creek
Houston Tommy Creek
Goathorn Ck
4000'
5000'
6000'
lJHT
lJHE
LKBg
lKBg
lJHNk
lKSKC
MJdp
uJBAm
mJHSm
LKBfp
LKBdr
lKBqd
LKBqd
LKBqp
EKMqm
EKMdr
EEBvb
LJdi
lKS
255
43
42
40
44
41
80
38
39
34
33
35
37
36
45
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304
47
49
50
68
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69
62
61
241
189
320
227
228
166
168
299

8.0 DEPOSIT TYPES

The principal deposit type present on the El Toro Project is the subvolcanic copper-gold-silver (arsenic, antimony) type, also referred to as transitional or intrusion related polymetallic stockwork and vein types. The Equity Silver past producing mine, 60 km southeast of El Toro, is an example of this type of deposit. The three past producing mines and developed prospect on the El Toro Project (King, Rainbow, Colorado and Hunter) and the remaining Hunter Basin showings, and the Hankin, Dominion and Howson Basin showings, and possibly the Rudy, Pete and Joe also belong to this class of deposit.

Mineralization of the calc-alkaline porphyry copper±molybdenum±gold(silver) deposit type, commonly related to the subvolcanic type, is less abundant in the project area but is associated with the Bulkley plutonic suite which occur as stocks and dykes across the property. The Huckleberry Mine, 70 km south of the El Toro Project, is a calc-alkaline copper±molybdenum±gold porphyry type deposit associated with a stock of the Late Cretaceous Bulkley plutonic suite, with mineralization occurring within both the stock and the hornfelsed Telkwa Formation volcanic rocks of the Hazelton Group. Mineralization at the Fog and Fly fall into this category and the MSJ, War Eagle Pyrite and Loljuh SE exhibit porphyry characteristics.

Epithermal veins are commonly associated with subvolcanic and porphyry deposit types with mineralization on the Ant, Wolverine and possibly the Del of this type.

Several occurrences of copper-silver-zinc skarn mineralization with calc-silicate-magnetite skarn assemblages are recorded adjacent to dyke and plutonic contacts, in association with vein and porphyry style mineralization, e.g. Duchess, Fog-Fly, Princess, War Eagle, Tom, Deny North and Loring. The host Telkwa Formation rocks are generally lacking in carbonate members, and extensive or economic concentrations of skarn type mineralization are not likely to occur *(Dawson, 2006)*.

8.1 Subvolcanic copper-gold-silver (arsenic, antimony)

The following characteristics of the subvolcanic copper-gold-silver (arsenic, antimony) deposit model are primarily summarized from Panteleyev, (1995). Examples include the Equity Silver past producing mine in British Columbia, the Rochester District in Nevada, Kori Kollo in Bolivia, and the epithermal gold zones at Lepanto, Phillippines. Commodities are copper, gold and silver with associated arsenic and antimony.

Mineralization typically occurs as sulphide and sulphide-quartz veins, stockworks and breccias in subvolcanic intrusions with stratabound to discordant massive pyritic replacements, veins, stockworks, disseminations and related hydrothermal breccias in country rocks, located near or above porphyry copper hydrothermal systems. They commonly contain pyritic auriferous polymetallic mineralization with silver sulphosalt and other arsenic and antimony bearing minerals and occur in volcano-plutonic belts in island arcs and continental margins as well as continental volcanic arcs. Extensional

tectonic regimes are favourable, allowing high level emplacement of the intrusions. Ages of mineralization are variable, although Tertiary deposits are most abundant.

Host rocks include subvolcanic (hypabyssal) stocks, rhyodacite and dacite flow-dome complexes with fine to coarse-grained quartz-phyric intrusions common. Dyke swarms and other small subvolcanic intrusions are likely to be present. Where coeval volcanic rocks are present, they range from andesite to rhyolite in composition and occur as flows, breccias and pyroclastic rocks with related epiclastic rocks (*as observed at El Toro)*.

Ore mineralogy includes pyrite, commonly auriferous, chalcopyrite and tetrahedrite-tennantite, with subordinate enargite, covellite, chalcocite, bornite, sphalerite, galena, arsenopyrite, argentite, sulphosalts, gold, stibnite, molybdenite, wolframite or scheelite, pyrrhotite, marcasite, realgar, hematite, tin and bismuth minerals. *(Ore minerals observed on the El Toro Project include pyrite, chalcopyrite and tetrahedrite-tennantite, with subordinate chalcocite, bornite, sphalerite, galena, possible arsenopyrite and stibnite, molybdenite, pyrrhotite, and hematite.)* Gangue and alteration minerals include pyrite, sericite and quartz *(typically observed at El Toro)* with minor kaolinite, alunite and jarosite primarily in supergene zones. Weathering of the pyritic zones can produce limonitic blankets with jarosite, goethite and locally alunite.

Ore zones are typically localized in strongly fractured to crackled zones in cupolas and internal parts of intrusions and flow-dome complexes, along faulted margins of high-level intrusive bodies in permeable lithologies (primary and secondary) in the country rocks. Primary controls are structural features such as faults, shears, fractured and crackled zones and breccias. Secondary controls are porous volcanic units *(as is the case in the Hankin Basin area of the El Toro Project)*, bedding plane contacts and unconformities. Breccia pipes provide channelways for hydrothermal fluids originating from porphyry copper systems and commonly carry elevated values of gold and silver *(Marmot showing may be an example)*.

Vertical zonation and superimposition of different ore types is common. Pyrite rich deposits contain enargite near surface, passing downwards into tetrahedrite/tennantite-chalcopyrite and then chalcopyrite in porphyry intrusions at depth. The vein and replacement mineralization can be separated from the deeper porphyry mineralization by 200 to 700m. Geochemical signature includes gold, copper, silver, arsenic, antimony, zinc, cadmium, lead, iron and fluorine, with molybdenum, bismuth, tungsten, and locally tin at depth.

Equity Silver produced 33.8 million tonnes of 0.4% copper, 64.9 g/t Ag, and 0.46 g/t Au primarily from bulk mineable tetrahedrite bearing zones. Kollo, Bolivia contained 10 million tonnes of oxide ore grading 1.62 g/t Au, 23.6 g/t Ag with 64 million tonnes of sulphide ore grading 2.26 g/t Au, 13.8 g/t Ag from closely spaced fracture and vein systems. Associated deposit types include high and low sulphidation epithermal gold-silver, porphyry copper±molybdenum±gold and related polymetallic veins.

8.2 Porphyry copper ±molybdenum ± gold

The following characteristics of the calc-alkaline porphyry copper±molybdenum±gold deposit model are primarily summarized from Panteleyev, (1995). Examples of the classic morphologic type of calc-alkaline porphyry include Brenda and Huckleberry in British Columbia, Bingham in Utah, USA and El Salvador in Chile. Commodities are copper, molybdenum and gold in varying quantities with minor silver in most deposits.

Classic type deposits, which appear to be the morphologic type on the El Toro Project, are stock related with multiple emplacements at shallow depths (1-2 km) of generally equant, cylindrical porphyritic intrusions, modified by numerous associated dykes and breccias. Orebodies occur along margins and adjacent to intrusions as annular ore shells. Lateral outward zoning of alteration and sulphide minerals from a weakly mineralized potassic/propylitic core is usual. Surrounding ore zones with potassic (commonly biotite-rich) or phyllic alteration contain molybdenite-chalcopyrite, then chalcopyrite and a generally widespread propylitic, barren pyritic aureole.

Mineralization typically occurs as sulfide-bearing veinlets, fracture fillings and lesser disseminations in large hydrothermally altered zones (up to 100 ha in size) with quartz veinlets and stockworks, commonly wholly or partially coincident with intrusion or hydrothermal breccias and dyke swarms, hosted by porphyritic intrusions and related breccia bodies. Sulfide mineralogy includes pyrite, chalcopyrite, with lesser molybdenite, bornite and magnetite. Two main ages of mineralization are evident in the Canadian Cordillera, Triassic to Jurassic (210-180 Ma) and Cretaceous to Tertiary (85-45 Ma).

Alteration generally consists of an early central potassic zone that can be variably overprinted by potassic (potassium feldspar and biotite), phyllic (quartz-sericite-pyrite), less commonly argillic and rarely, advanced argillic (kaolinite-pyrophyllite) in the uppermost zones.

Regional faults are important in localizing the porphyry stocks with fault and fracture sets (especially coincident and intersecting multiple sets) an important ore control. Other ore controls include internal and external igneous contacts, cupolas, dyke swarms and intrusive and hydrothermal breccias.

British Columbia porphyry copper±molybdenum±gold deposits contain 115 million tonnes of 0.37% Cu, 0.01% Mo, 0.3 g/t Au and 1.3 g/t Ag, from median values for 40 deposits with reported reserves. Porphyry deposits contain the largest reserves of copper, almost 50% of the gold reserves in British Columbia and significant molybdenum resources and are primarily mined by open pit methods. Associated deposit types include skarn, porphyry gold, low and high sulfidation epithermal systems, polymetallic veins and sulfide mantos and replacements.

8.3 Epithermal gold-silver veins

The following characteristics of the low sulphidation epithermal gold deposit model are primarily summarized from Panteleyev, (1996). Examples include the Midas Mine of Franco Nevada in Nevada, the El Penon Mine of Meridian Minerals in Chile, and the former Baker and Cheni Mines in the Toodoggone District of British Columbia. Commodities are gold and silver with minor copper, lead and zinc.

Mineralization typically occurs as quartz veins, stockworks and breccias carrying gold, silver, electrum, argentite and pyrite with lesser and variable amounts of sphalerite, chalcopyrite, galena, rare tetrahedrite and sulphosalt minerals in high level (epizonal) to near surface environments. The ore commonly exhibits open space filling textures and is associated with volcanic-related hydrothermal to geothermal systems in volcanic island and continent margin magmatic arcs and continental volcanic fields with extensional structures.

Host rocks include most types of volcanic rocks with calcalkaline andesitic compositions predominating. Some deposits occur in areas with bimodal volcanism and extensive subaerial ashflow deposits. A less common association is with alkalic intrusive rocks and shoshonitic volcanic rocks. Clastic and epiclastic sedimentary rocks host deposits in intra-volcanic basins and structural depressions.

Gangue minerals include quartz, amethyst, chalcedony, quartz pseudomorphs after calcite and calcite, with minor adularia, sericite, barite, fluorite, calcium-mangnesium-manganese-iron carbonate minerals such as rhodochrosite, hematite and chlorite.

Alteration generally consists of extensive silicification occurring as multiple generations of quartz and chalcedony, commonly accompanied by adularia and calcite. Pervasive silicification in vein envelopes is flanked by sericite-illite-kaolinite assemblages. Intermediate argillic alteration (kaolinite-illite-montmorillonite ±smectite) forms adjacent to some veins. Advanced argillic alteration (kaolinite-alunite) may form along the tops of mineralized zones. Propylitic alteration dominates at depth and peripherally. Weathered outcrops are often characterized by resistant quartz ± alunite 'ledges' and flanking extensive, bleached, clay-altered zones with supergene alunite, jarosite and other limonite minerals.

The deposits occur in high-level hydrothermal systems from depths of approximately 1 km to surficial hotspring settings. They are associated with regional-scale fracture systems related to grabens, ±resurgent calderas, flow-dome complexes and rarely, maar diatremes. Extensional structures in volcanic fields (normal faults, fault splays, ladder veins and cymoid loops, etc.) are common; locally graben or caldera-fill clastic rocks are present. High-level (subvolcanic) stocks and/or dikes and pebble breccia diatremes occur in some areas. Locally resurgent or domal structures are related to underlying intrusive bodies.

Ore zones are typically localized in structures, but may occur in permeable lithologies. Upward-flaring ore zones centred on structurally controlled hydrothermal conduits are typical. Large (greater than 1m wide and hundreds of metres in strike length) to small veins and stockworks are common with lesser disseminations and replacements. Vein

systems can be laterally extensive but ore shoots have relatively restricted vertical extent. High-grade ores are commonly found in dilational zones in faults at flexures, splays and in cymoid loops.

Deposits are commonly zoned vertically over 250 to 350m from a base metal poor, gold-silver rich top to a relatively silver rich base metal zone and an underlying base metal rich zone grading at depth into a sparse base metal, pyritic zone. From surface to depth, metal zones contain gold-silver-arsenic-antimony-mercury, gold-silver-lead-zinc-copper, silver-lead-zinc. In alkalic hostrocks tellurides, roscoelite (vanadium mica) and fluorite may be abundant, with lesser molybdenite.

Ages of mineralization are variable although Tertiary deposits are most abundant. The age is closely related to the associated volcanic rocks but invariably slightly younger in age (0.5 to 1 Ma, more or less).

Typical grade and tonnage figures for the median low sulphidation epithermal gold deposits, based on worldwide mines and U.S.A. models, include 0.77 million tonnes of 7.5 g/t Au, 110 g/t Ag and minor copper, zinc and lead for 41 Comstock-type 'bonanza' deposits and 0.3 million tonnes of 1.3 g/t Au, 38 g/t Ag and >0.3% Cu from 20 Sado-type gold-copper deposits. Associated deposit types include high sulphidation epithermal gold-silver, hotspring gold-silver, porphyry copper±molybdenum±gold and related polymetallic veins and placer gold.

Economic low sulphidation epithermal deposits are usually mined by a combination of open pit mining and underground operations with conventional cyanide milling processing, with moderate daily tonnage production. They typically contain high-grade sections, often with significant silver content, high silver to gold ratios, “clean” metallurgy, and good recoveries.

9.0 MINERALIZATION (Figures 2, 5 and 6)

The El Toro Project covers a well-mineralized area southwest of Telkwa that includes 36 Minfile occurrences, including 3 past producers, 1 developed prospect, 6 prospects and 26 showings, as documented by the British Columbia Geological Survey Branch *(Minfile, 2008.) (Refer to Figure 2 and Table 2 on pages 5 and 6.)*

9.1 Hunter Basin (King, Rainbow, Idaho, Hunter, Colorado, Tribune, Hannah)

The Hunter Basin occurrences consist of fissure veins, fracture fillings and disseminations, primarily hosted by andesitic pyroclastic rocks, interbedded flows and epiclastic rocks. Vein mineralogy consists of bornite, chalcopyrite, ±tetrahedrite, chalcocite, specularite, lesser pyrite, pyrrhotite, galena and magnetite in quartz with lesser calcite gangue. Veins primarily trend northeast to easterly, dipping steeply southeast and commonly follow dyke, fracture and shear zones in the volcanic host rocks, accompanied by an alteration assemblage that includes intense silicification,

calcite, epidote and sericite. The north side of Hunter Basin shows lower gold values but high silver, associated with freibergite (a silver rich variety of tetrahedrite). Mineralization consists of chalcocite, tetrahedrite with lesser chalcopyrite, as opposed to pyrite, bornite, chalcopyrite and magnetite on the south side of the basin.

Electrum has been noted at the Colorado vein which trends 022º/75ºNW. The Tribune appears to cover the northeasterly strike extension of the Colorado, 450m along trend. The King, Rainbow and Colorado were small past producing mines, operating primarily between 1914 and 1941. The King covers a 070º/90º trending fissure vein that was previously traced for 150m. The West showing, approximately 150m along strike to the west, may represent the strike extension of the King. Approximately 600m along strike to the east of the King shaft, a gossan occurs in a cliff face, which could represent the strike extension of this vein. The 070°/45°N trending Mohock showing may represent the strike extent of the Rainbow which trends 065°/80°S.

Individual vein assay values include 1.0 g/t Au, 164.5 g/t Ag, 2.0% Cu over 1.2m from the King and 2.7 g/t Au, 706.3 g/t Ag, 5.4% Cu over 1.0m from the Mohock zone on the Idaho *(BCDM, 1915)*.

In addition to high grade mineralized lenses in veins at the Hunter, disseminated mineralized is also reported over widths of 15-90 cm within a volcanic bed trending 090/25ºN. Only minor quartz stringers with occasional malachite stain have been reported from the Hannah showing.

9.2 Hankin Basin (Old Tom, Hankin, Hope, Marmot, Lava, Loring, Crater)

At the Old Tom, Hankin, Lava and Loring showings pyrite, chalcopyrite, chalcocite, pyrrhotite and magnetite with lesser, tetrahedrite and sphalerite occur as disseminations, aggregates and fracture fillings within 1-3m wide beds in the gently dipping andesite tuff host rocks. Mineralization within the beds is commonly enhanced adjacent to quartz porphyry dykes, trending 025º/50-70ºE, which cut the stratigraphy. Alteration includes silicification, with epidote, chlorite and sericite. Grades are commonly in the 0.1-1% Cu range with 5-20 g/t Ag and minor gold, locally with several percent copper, and up to 100 g/t Ag and 1.5 g/t Au. A sample from the Loring for example returned 1.0% Cu, 41.1 g/t Ag with trace gold across 1.8m *(BCDM, 1915)*. Many of the exposures occur in cliffs which have been riddled with short adits. At the Loring three mineralized horizons, up to 1.5m wide, occur within a 20m wide zone with assays averaging 65.14 g/t Ag with 0.45 to 3.12% Cu (*McAndrew et. al., 1973)*.

Mineralization at Crater Lake may be similar to the strataform mineralization described above with disseminated chalcocite reported from an andesite band in the cirque wall which returned 1.55% Cu and 101.8 g/t Ag over 3m *(Rutherford, 1983)*. At the Marmot showing a sulphide fracture filling quartz-calcite-sulphide stringer-stockwork zone was traced for 30.5m. Sulphide mineralization consists of bornite, chalcopyrite, chalcocite, and tetrahedrite. The average assay from chip sampling a 24.4m cliff section on the Marmot is 4.3% Cu and 108.7 g/t Ag (*McAndrew et. al., 1973)*.

At the Lava showing quartz-molybdenite stockwork mineralization with disseminated chalcopyrite fracture fillings is associated with granodiorite and quartz porphyry dykes, which are probably related to the Sunsets stock to the south. Anomalous molybdenum also occurs within the strataform mineralization described above suggesting proximity to the porphyry environment.

A quartz-carbonate vein 500m southwest of the Loring showing returned 39.6 g/t Au, 300 g/t Ag with 7.3% Pb and 8.4% Zn (Jamieson, 1991a), suggesting potential for a zonation to more gold rich veins, similar to mineralization at the Friendly Trench at Deny North *(Jamieson, 1991a)*.

At the Hope showing a 0.75m wide 320º/steep NE quartz vein is mineralized with chalcopyrite and pyrite with a select sample assaying 1.4 g/t Au, 171 g/t Ag and 10% Cu *(BCDM, 1933)*.

Minor quartz-garnet-epidote±magnetite skarn with chalcopyrite occurs 1 km southwest of the Loring showing returning 5.5% Cu, 280 g/t Ag, 0.75 g/t Au, and 2 km south of the Loring mineralization carrying up to 1.8% Cu, 10.3% Zn, 0.6 g/t Au was reported *(Jamieson, 1991a)*.

9.3 Sunsets Basin (Fog, Fly)

The Fog and Fly prospects are hosted by two quartz-sericite-pyrite (phyllic altered) zones within the southern part of the Sunsets stock, a Bulkley intrusion immediately south of Hunter Basin in the northeastern project area. Quartz-pyrite±molybdenite ±chalcopyrite veins 2 to 5 cm wide and trending predominantly northeasterly and dipping southeast are associated with the alteration zones *(Allen, 1981)*. Potassic alteration, suggested by pink feldspar alteration envelopes along fractures and quartz veins, is reported at a lower vertical level beneath the phyllic zones.

Vein abundance in general is sparse but the western alteration zone (Fly), measuring 300-600m by 1000m, contains between 10 and 25 veins per metre and is flanked by a copper in soil anomaly. Maximum results of 0.102% Mo and 0.11% Cu were reported in 1980 *(Kenyon, 1980)*.

The eastern phyllic zone (Fog) is 300m in diameter and lies near the eastern edge of a larger copper-molybdenum soil anomaly (maximum 1900 ppm Cu and 125 ppm Mo) at the contact between two phases of the stock. A 0.5m channel sample assayed 0.252 % Mo and 0.01 % Cu with maximum results of 0.645% Mo with 0.08% Cu *(Kenyon, 1980)*.

Significant copper in rock anomalies (up to 0.59% Cu) were subsequently obtained in the north to northeastern Sunsets stock by Skeena Resources Ltd. *(Jamieson, 1991a)*.

9.4 Dominion (Denys) Basin (Deny North, Deny South, Deny East, Sunset)

The Sunset showing covers a zone of narrow quartz veins and stringers mineralized with malachite, azurite, tetrahedrite, bornite, chalcopyrite pyrite, native copper and

possible native silver. The largest vein, explored by an adit in cliffs on the south side of Sunsets Creek is 0.35m wide and trends 030º/60ºSE with values up to 18.8% Cu, 946 g/t Ag and 1.03 g/t Au *(BCDM, 1915, Pardoe, 1988)*.

At the Friendly Trench on the Deny North showing a 1m wide north trending, 35ºW dipping quartz-carbonate-sulphide vein is exposed which yielded an average of 70.2 g/t Ag and 2.21 g/t Au for 34 samples along 8.5m of the vein with maximum values of 342 g/t Ag and 21.6 g/t Au *(Kikuchi, 1981)*. Sulphide minerals include chalcopyrite, pyrite, sphalerite, galena and bornite. Quartz-diopside-epidote-magnetite garnet skarn with minor chalcopyrite and sphalerite mineralization is exposed above the vein.

Mineralization at Deny South is reported as disseminations and predominantly northwest trending, steep northeast dipping fracture fillings of chalcopyrite, chalcocite, bornite and specularite hosted by a basalt flow.

The Deny East showing (not located in 2008 or 2009) is reported to consist of a 320º trending quartz vein zone traced for 70m with malachite staining and limonite boxworks within a 20m wide contact zone between andesite and pink basalt *(Kikuchi, 1985)*. No assay values were reported.

9.5 Houston Tommy Creek (Del, Joe, Loljuh, Rudy)

On Loljuh Creek chalcopyrite, bornite and molybdenite occur as disseminations in granodiorite and volcanic rocks of the Telkwa Formation *(BCDM, 1971)*. At the Loljuh showing, minor galena, sphalerite and chalcopyrite occur in quartz-siderite veins cutting andesite proximal to a carbonate unit within the sedimentary sequence.

Chalcopyrite, ±sphalerite, pyrite, pyrrhotite, bornite, galena, magnetite, chalcocite and molybdenite occur as north to northeast trending fracture fillings and quartz veins at the Joe, Pete and Rudy showings, generally hosted by andesitic volcanic rocks. At the Pete showing the veins are hosted by a northerly trending feldspar porphyry dyke, possibly related to the Loljuh stock. Disseminated pyrite, chalcopyrite and minor molybdenite occur within the Loljuh stock.

Mineralization at the Del showing consists of disseminated chalcopyrite, pyrite, bornite, malachite and azurite, primarily in northerly trending quartz-epidote veins (a grab sample reported from one returned 6.1% Cu, 25 g/t Ag – *Campbell, 1988)*, but also in andesite, quartz diorite and rhyolitic host rocks.

9.6 Howson Basin (Duchess, Countess, Evening, Silver Heels, Starr, Tom, War Eagle, Princess)

The main vein type occurrence in this area is the Duchess prospect which covers a northerly trending (170º/80ºE) shear hosted quartz-sulphide vein with chalcopyrite, pyrite, tetrahedrite, and minor sphalerite and galena, at the contact between an andesite flow and tuff unit. Good mineralization averaging 4-5% Cu in the first 27.5m is reported

with mineralization occurring over widths up to 3.7m after which the zone is cut off by faulting. More recent sampling from the Duchess returned 9% Cu and 88 g/t Ag over 1m *(Jamieson, 1991b)*. The Countess, 400 m north of the Duchess covers its northern strike extension.

The Duchess and Countess appear to be localized by a 170º/70ºW trending fault which has been traced 2.8 km to the south to the Princess where minor mineralization is exposed over a width of 60m, and 1.4 km north of the Duchess to the Silver Heels. At the Silver Heels showing mineralization, which assayed 34.3 g/t Ag and 2.3% Cu over 3.6m, is associated with a north/80ºE trending dyke *(BCDM, 1917)*.

The Princess, Evening, Tom and main War Eagle showings cover minor, irregular small quartz-sulphide and sulphide vein and shear occurrences, with minor associated northerly trending disseminated mineralization also noted at the Evening, Silver Heels and War Eagle. Mineralization at the Evening generally trends northeast to east, dipping moderately north. Mineralization on the Tom trends northerly, dipping 40-80ºE, is exposed over a 500m area, is commonly associated with dykes and locally contains maximum values of 16.9% Cu and 6.58 oz/t Ag *(Cullen and Biss, 1974)*.

Minor quartz-garnet-epidote±magnetite skarn with ±chalcopyrite and sphalerite occurs just west of the Duchess vein, and at the Tom and Princess showings.

The War Eagle Pyrite zone, 800m southeast of the main War Eagle showing, consists of a 15-25m wide iron oxide zone coincident with an induced polarization anomaly and associated with a 305º trending shear zone mineralized with pyrite and minor chalcopyrite with quartz stockworks, stringers and local breccias evident *(Sharp, 1970)*. The zone occurs within a felsic feldspar porphyry plug, 500m by 700m in size with copper soil anomalies. A drill hole in the southern part of the stock intersected porphyry style alteration and significant gold results but no significant copper mineralization. Joker Ridge, 5 km northwest of the War Eagle, consists of an extensive iron oxide-pyrite-silica zone that lies along the same northwesterly trending structure identified at the War Eagle Pyrite zone and may suggest proximity to porphyry or subvolcanic type mineralization.

The Starr showing covers minor disseminated chalcopyrite, bornite, tetrahedrite, pyrite, sphalerite and galena mineralization as disseminations in a granitic intrusion and as fracture fillings within the adjacent contact zone with intermediate volcanic rocks.

9.7 Starr Creek (MSJ, Ant, Wolverine)

The MSJ showing covers a roughly concentric zone of propylitic, argillic and phyllic alteration within a quartz monzonite stock *(Preto, 1967)*, possibly 2 by 3 km in size. The intense quartz-sericite-pyrite (phyllic) alteration forms a prominent gossan along Trail Creek which flows easterly into the Thautil River. Quartz feldspar porphyry dykes occur along the western margin of the stock, associated with pyrite-chalcopyrite mineralization in propylitically altered volcanic tuffs *(Pauwels, 1991)*. Mineralization of this type occurs along Lone Chasm Creek which was investigated in 2008. Minor quartz-molybdenite veinlets are reported, associated with argillic alteration in the western stock area

(Pauwels, 1991). A large hornfels alteration zone was observed in 2008 within epiclastic rocks along lower Starr Creek, which may be related to proximity to the MSJ stock.

West of Starr Creek, in the southwest El Toro Project area, epithermal style mineralization occurs within Telkwa Formation rhyolite flows, pyroclastics and andesites. At the Ant prospect a phyllic altered 800m long northeast trending shear zone with minor disseminated chalcopyrite, sphalerite and tetrahedrite was delineated *(Hanson, 1991)*. Approximately 1.5 km to the west a 3 by 0.6 km epithermal system was outlined (Lefty showing) with values up to 4.1 g/t Au across 0.6m. Mineralization occurs as 020-060º trending quartz veins, stockwork and breccia zones with minor pyrite, chalcopyrite and sphalerite, locally with more massive pyrite and chalcopyrite zones *(Hanson, 1990)*. The Wolverine showing consists of chalcopyrite bearing breccia veins hosted by Telkwa Formation volcanic rocks and dykes *(BCDM, 1971)* and may represent the northeast strike extension of the Lefty.

10.0 2009 EXPLORATION (Figures 2, and 6 to 18)

The 2009 program on the El Toro Project involved rock and soil geochemical sampling, mapping, and additional GPS surveying of previous diamond drill hole collars and old workings, concentrated on Hunter's Basin, Hankin Basin (Loring Creek), the Loljuh and MSJ stocks, Wolverine showing and Starr Creek, and a 558 sample MMI soil survey over the MSJ porphyry copper-molybdenum-gold target between August 16 and September 23, 2009. Additional previous diamond drill hole collars, underground and surface workings, roads and significant reference locations were surveyed by GPS in the field using UTM coordinates, Nad 83 datum, Zone 9 projection. The data is plotted in Figures 6 to 14 and 18 and drill hole collar locations are documented in Table 4.

The results of the 2009 work are discussed below and illustrated on Figures 6, 7b, 10, 10a, 13 to 18, showing sample locations and select results. Copper, molybdenum, gold and silver MMI soil results are shown in Figures 14-18. The geochemical procedure is discussed under sections 13.0, "Sampling Method And Approach" and 14.0, "Sample Preparation And Security".

10.1 Hunter Basin (King, Rainbow, Idaho, Colorado, Tribune, Hunter, Hannah)

The general geology and sample locations for the Hunter Basin area are shown on Figure 6. A grab sample from the 1914 adit dump on the King Vein returned 12.4% Cu, 16.8 g/t Au, 1240 g/t Ag and 1.38% Zn (sample 13504). In 2008 samples from the shaft area (glory hole), above the adit, returned 36.5% Cu, 155 g/t Au and 2306 g/t Ag from the shaft dump indicating local high grade sections within the vein and 6.51% Cu, 4.65 g/t Au and 202 g/t Ag over 0.5m from the wallrock along a narrow trench/cut that follows the trend of the vein for 40m.

A series of open cuts were traced for 270m at 070° along the King Vein in 2009, with 2.4% Cu, 305 ppb Au and 164 g/t Ag from the easternmost open cut, 120m at 075° from the shaft (sample 13507), and 5.3% Cu, 1.34 g/t Au, 144 g/t Ag and 2.98% Zn over 2m

from the westernmost cut, 150m at 250° from the shaft (sample 13506). A sample 25m to the northeast of the latter cut returned 0.77% Cu, 2.56 g/t Au and 15.3 g/t Ag (sample 13505). Additional old pits and small trenches are visible in the cliffs further to the west.

The Rainbow showing was located in 2009 with 5.25% Cu, 680 ppb Au and 206 g/t Ag (sample 13501) obtained from the dump of a small caved adit. An open cut 50m along trend to the northeast returned 8.65% Cu, 6.55 Au g/t and 1000 g/t Ag (sample 13502) from a fissure vein trending 065°/80°S. Bedding controlled mineralization, with some crosscutting fractures, was also encountered with part of a horizon returning 2.1% Cu, 9.85 Au g/t and 104 g/t Ag over 1m (sample 13503). This mineralization is similar to that encountered in Hankin Basin to the west *(Figure 7)*.

What was thought to be the Idaho showing in 2008, with results of 30.6% Cu, 1.79 g/t Au and 1886 g/t Ag from an adit dump, may represent the offset eastern strike extension of the King Vein. There appears to be an association of high silver and gold values with high concentrations of bornite, here. The amount of offset (180m right lateral) would suggest that the Mohock may represent the continuation of the Rainbow Vein. Mineralization at the Mohock was found to trend 070°/45°N (similar trend but opposite dip to the Rainbow) and occurs within pillow tops and breccia. A 0.75m chip sample across the zone returned 3.3% Cu, 5.39 Au g/t and 380 g/t Ag (sample 13515).

The actual Idaho showing was located in 2009 returning 3.3% Cu, 1.19 Au g/t and 46.5 g/t Ag from quartz veinlet type mineralization (sample 13513) and 7.78% Cu, 2.65 Au g/t and 126 g/t Ag from fracture fillings (sample 13514) hosted in amygdaloidal andesite volcanic rocks. Minor mineralization was traced for 125m at 065°, but generally appeared narrow.

An attempt was made to locate the Hunter showing in 2009 due to previous reports of significant mineralization, but the two adits could not be located *(BCDM, 1926)*. The Hunter claim reportedly adjoined the Tribune to the south *(Minfile, 2008.)*, suggesting that the showing is located further to the northwest than plotted in Minfile with approximate co-ordinates of 6043913mN, 617625mE, Nad 83, Zone 9 projection.

In 2008 samples from the dump of the caved adit on the Colorado returned 24.0% Cu, 75 ppb Au and 1589 g/t Ag from sulphide mineralization and 2.17% Cu, 220 ppb Au and 1064 g/t Ag from mineralized drusy quartz veinlets, and the Tribune shaft, with similar mineralization to the latter sample but with minor galena and sphalerite, returned 1.44% Cu, 5 ppb Au and 540 g/t Ag.

The Hannah showing was not re-examined due to the limited extent to the mineralization observed in 2008. A sample collected by Lions Gate Energy in 2007 returned 893 ppm Cu with 12.1 ppm Ag.

10.2 Hankin Basin (Old Tom, Hankin, Hope, Marmot, Lava, Loring, Crater)

The general geology and 2008 sample locations for the southern part of the Hankin Basin area are shown on Figure 7a. The Lava, Loring, Crater Lake and Marmot

showings were investigated in 2009 with samples plotted on Figure 7b. The Hope showing has not been investigated.

The Old Tom-Hankin-Lava-Loring showings form a continuous zone that can be traced for at least 5 km along the cliffs along Loring Creek. The cliffs are riddled with gopher holes (small adits) with prominent malachite stained bedded tuffs visible from the air. At least one of the showings at Crater Lake also shows a stratiform character, suggesting that stratiform type mineralization continues for 5 km along strike and 2 km down dip, which is fairly flat. Due to extensive mineralization and limited time fairly representative grab samples were generally collected across the beds.

At the Loring showing in 2009 several copper bearing horizons were sampled returning 1.45% Cu, 185 ppb Au and 54.3 g/t Ag over 2m (Sample 13508), 3.05% Cu, 135 ppb Au and 108 g/t Ag as a grab sample across a 3m bed (Sample 13509) and 1.00% Cu, 115 ppb Au and 60.5 g/t Ag over 1m (Sample 13510). Crosscutting fracture controlled mineralization, trending 310°/80°N, returned 21.8% Cu, 655 ppb Au and 204 g/t Ag over 0.5m (Sample 13512) and similar mineralization, trending 060°/70°SE, related to a 330°/85°NE trending rhyolite dyke, returned 3.0% Cu, 2.25 g/t Au and 164 g/t Ag over 0.5m (Sample 13511).

At the Old Tom showing in 2008, a grab sample across a 2m bed returned 2933 ppm Cu, 150 ppb Au, 13.3 ppm Ag and 2.58% Zn and a grab from a 3-4m wide bed returned 1.27% Cu, 1.08 g/t Au, 50.3 g/t Ag with 0.066% Mo, 200m along strike to the southeast. A further 200m along strike to the southeast 8067 ppm Cu, 225 ppb Au and 6.8 ppm Ag across 1.2m was obtained and a stratigraphically higher bed, another 350m along strike returned 9813 ppm Cu, 140 ppb Au, 5.1 ppm Ag with 0.073% Mo across 1.0m. More intensely malachite stained horizons exposed in cliffs along strike and higher in elevation occur a further 300-500m to the southeast in the Hankin showing area.

Grades appear to increase proximal to rhyolite dykes with results of 3.0% Cu, 2.25 g/t Au and 164 g/t Ag over 0.5m in 2009, and 1.29% Cu, 190 ppb Au, 15.8 ppm Ag with 0.037% Mo and 6.53% Cu, 1.74 g/t Au, 108 g/t Ag with 0.018% Mo in 2008. Calc-silicate altered andesite, probably associated with a rhyolite dyke, returned 3.18% Cu, 535 ppb Au and 16.0 ppm Ag in 2008.

Overall values appear to increase to the south, closer to the Sunsets stock and proximal to rhyolite dykes that are probably genetically related. Molybdenum content is also higher closer to the stock with zinc more evident distally (at the Old Tom showing).

At least one and possibly two drill sites were located above the Crater Lake showing in 2009 and the Marmot (Chimney) showing was located at 6043331mN 620700mE, Nad 83, Zone 9, but insufficient time was available to fully examine the showings due to the steep topography and thick subalpine balsam vegetation around Crater Lake *(Figure 7b)*. Five soil samples and a silt sample were collected from the vicinity of two 2008 airborne electromagnetic anomalies, similar to the anomaly at the Hankin showing (L-1), returning anomalous copper of 52 ppm Cu from a soil sample at anomaly L-2 (Sample S13520) and 88 ppm Cu from a silt sample draining anomaly L-3 (Sample L13519). However, the silt may reflect mineralization from the walls of Crater Lake (although the copper should settle out in the lake itself).

10.3 Sunsets Basin (Fog, Fly)

Sunsets Basin was not investigated in 2009. The general geology and 2008 sample locations for the Sunsets Basin area are shown on Figure 8. Maximum values from the Fog phyllic alteration zone were 0.93% Cu with 48.2 g/t Ag and 0.013% Mo from quartz-sulphide veinlets and a 1m chip sample returned 830 ppm Cu. Previous results from the southern margin of the phyllic alteration returned higher values with 0.252 % Mo and 0.01 % Cu from a 0.5m channel sample with maximum results of 0.645% Mo with 0.08% Cu *(Kenyon, 1980)*.

The best values obtained from the Fly phyllic alteration zone were also from the margins of the zone with 0.22% Cu, 945 ppb Au and 504 g/t Ag from quartz-freibergite veinlets on the west side of the zone and 0.14% Cu, 455 ppb Au and 110 g/t Ag from a galena bearing stockwork near the east side. Samples of disseminated mineralization in the core returned maximum values of 0.05% Cu and 0.041% Mo. In 2007 significant molybdenum results were obtained from the far eastern and southern margins of the Fly phyllic alteration zone with results of 0.0605% Mo and 0.151% Mo from quartz-molybdenite veinlets.

Previous and current sampling has focused on the phyllic alteration zones which can be barren. The best molybdenum and copper values have been obtained at the outer edges of the phyllic alteration. The best copper in soil anomalies were obtained and copper-molybdenum in soil anomalies occur peripheral to the Fog zone, although a small molybdenum in soil anomaly is coincident with the Fog zone.

Outside of the Fog-Fly area, significant copper in rock anomalies (up to 0.59% Cu) were obtained in the north to northeastern Sunsets stock by Skeena Resources Ltd. *(Jamieson, 1991a)*. Exact locations could not be determined but a line of 5 talus fines from below the approximate area in 2008 returned elevated copper-molybdenum results up to 237 ppm Cu and 21 ppm Mo. Quartz-chalcopyrite veinlets from the western Sunsets stock in Glacis Basin returned 0.57% Cu in 2008.

10.4 Dominion Basin (Deny North, Deny South, Deny East, Sunset)

The Dominion Basin area was not investigated in 2009. The general geology and 2008 sample locations for the Dominion Basin area at the head of Denys Creek are shown on Figure 9. The 14m long Friendly Trench on the Deny North showing returned 9.52 g/t Au, 180 g/t Ag, 1.68% Cu, 15.7% Zn and 0.95% Pb across 1.0m from the vein. A grab sample of quartz-diopside-epidote-magnetite garnet skarn with minor chalcopyrite and sphalerite mineralization exposed above the vein returned 0.73 g/t Au, 4.7 g/t Ag, 0.14% Cu but magnetite rich skarn did not contain significant values.

The drill platforms at Deny South, on the steep north slope of Denys Creek, were visible from the air but the showing was not investigated. The Deny East showing could not be found. The Sunset adit was spotted from the air but not investigated.

10.5 Houston Tommy Creek (Del, Joe, Loljuh, Pete, Rudy)

The general geology, showing and sample locations for the Houston Tommy Creek area are shown on Figure 10, with a detail of the Loljuh showing in Figure 10a (Samples 13522-35).

A copper - molybdenum porphyry showing documented in the headwaters of Loljuh Creek *(BCDM, 1969 and 1971)* was investigated in 2009 *(Figure 10a)*. The old camp was located at 6028554mN, 618409mE, Nad 83, Zone 9, but a cursory examination did not detect the core. The site should be further investigated in an attempt to locate the core since there is no record of the results from the 1967 diamond drill program by Noranda (90.2m in 7 holes). Drill sites were not located during the 2009 examination, which was hampered by thick subalpine balsam cover.

A gossanous zone in the northern Loljuh Stock was found to consist of pyrite and chalcopyrite bearing granodiorite. The best copper mineralization occurred in an apophasis of the granodiorite, returning 0.35% Cu and 8 ppm Mo over 1m (Sample 13522) and 450m to the southwest from a grab sample of the granodiorite with minor magnetite, returning 0.34% Cu and 5 ppm Mo (Sample 13528). A soil sample from this area returned 453 ppm Cu (S13527). A composite grab over a 15m rusty outcrop returned 765 ppm Cu and 21 ppm Mo (Sample 13528) The highest molybdenum value of 123 ppm was obtained from granodiorite with quartz veinlets (13530). A soil sample underlain by strongly pyritic granodiorite returned 156 ppm Mo (S13535). No significant precious metal values were obtained.

Two samples were collected from the Del showing in 2008 returning a maximum of 0.14% Cu with no anomalous precious metal values from abundant, less than 1m wide, quartz-epidote veins exposed in trenches *(Figure 10)*.

The Joe, Pete and Rudy showings have not been investigated due to lower priority based on Minfile descriptions *(Minfile, 2008)*.

10.6 Howson Basin (Duchess, Countess, Evening, Silver Heels, Starr, Tom, War Eagle, Princess)

The Howson Basin area was not investigated in 2009. The general geology and 2008 sample locations for the Howson Basin area are shown on Figure 11, covering the Royal showings at the head of Evening Creek and on Figure 12, covering the War Eagle area. The Princess showing is shown on Figure 13. The Evening, Starr and Tom showings were not investigated in 2008 or 2009.

The 2008 results returned 0.82% Cu and 22.5 g/t Ag over 2m from the Duchess Vein and adjacent wallrock at the adit portal with mineralized blocks of vein material returning 7.91% Cu and 100 g/t Ag which is similar to a previously reported assay of 9% Cu and 88 g/t Ag over 1m *(Jamieson, 1991b)*. A grab sample across a 15m wide exposure of possibly the Duchess Vein at the Countess showing, 400m north of the Duchess, returned 5.27% Cu and 69.9 g/t Ag. Another 250m to the north along strike elevated

values were obtained along the ridge with results of 0.25% Cu and 5.2 g/t Ag in rock and anomalous soils in the area returned maximum values of 1070 ppm Cu and 41 ppm Mo.

Soil samples from the Silver Heels showing, 1.4 km north of the Duchess, returned maximum values of 1960 ppm Cu and 42 ppm Mo and a quartz vein trending 025º/75ºW, 600m east of the Silver Heels, assayed 2.35% Cu and 142 g/t Ag from the wallrock.

At the War Eagle showing abundant, narrow northerly trending quartz-limonite veins were found to carry values of 5.01% Cu and 87.8 g/t Ag, and 1.00% Cu and 46.4 g/t Ag.

Significant results were obtained from the War Eagle Pyrite zone, 800m southeast of the main War Eagle showing, adjacent to the northern finger of the War Eagle feldspar porphyry stock in 2008. Quartz-chalcopyrite float hosted by andesite on the eastern edge of the finger returned 6.74% Cu and 99.8 g/t Ag. On the west side quartz-pyrite veinlets and adjacent silicified andesite returned maximum values of 1.32% Cu and 31.6 g/t Ag. Soils from this area returned maximum values of 1958 ppm Cu and 64 ppm Mo. No significant values were obtained from within the War Eagle stock but soils from the western edge returned anomalous values up to 282 ppm Cu.

At Joker Ridge, 5 km northwest of the War Eagle, an extensive iron oxide-pyrite-silica zone, similar to but less intensely altered than the War Eagle Pyrite zone, is associated with rhyolite dykes that may be related to a buried intrusion in this area similar to the War Eagle stock.

At the Princess showing *(Figure 13)* a 030º/60º E trending quartz-carbonate vein cutting garnet-epidote-diopside skarn with ±chalcopyrite and sphalerite returned 0.71% Cu with 9.7% Zn.

No significant gold values were obtained from the Howson Basin showings, but results of 0.70 and 0.275 oz/t Au over 10 feet is reported from the one hole (collar was located in 2008) drilled on the War Eagle Pyrite zone from pyritic, quartz veined ±sheared rhyolite and felsite *(Cuttle, 1990a)*.

10.7 Starr Creek (MSJ, Ant, Wolverine)

The general geology and sample locations for the Starr Creek area are shown on Figure 13, covering the MSJ and Princess showings and on Figure 18, covering the Ant, Lefty (part of the Ant) and Wolverine showings. Copper, molybdenum, gold and silver response ratios from the MSJ MMI soil sampling program are shown on Figures 14 to 17. The geology and sample locations from the MSJ showing are plotted on Figure 14 with the Cu MMI results. The MSJ and Wolverine showings were investigated in 2009.

The MSJ showing covers a gossanous phyllic alteration zone along Trail Creek. Exposure is extremely poor but a 5,000 by 10,000 ft chargeability high was delineated by Hudson's Bay Oil and Gas Co. Ltd. in 1974. Widely spaced grid soil sampling by Cominco in 1991 returned spotty anomalous copper values along the western margin of the stock. Sampling was hampered by thick overburden and till throughout most of the

stock. Consequently a more closely spaced MMI soil grid was completed in 2009 to evaluate the showing and chargeability high anomaly *(Figure 14)*.

The contoured response ratios for copper show a northeast trending copper anomalous zone that corresponds to a magnetic low anomaly obtained from the 2009 airborne geophysics survey, part of which corresponds to a broader zone of lower anomalous copper strongly correlative with the 1974 induced polarization chargeability high anomaly. A similar pattern exists for gold *(Figure 15)* and to a lesser degree molybdenum *(Figure 16)*.

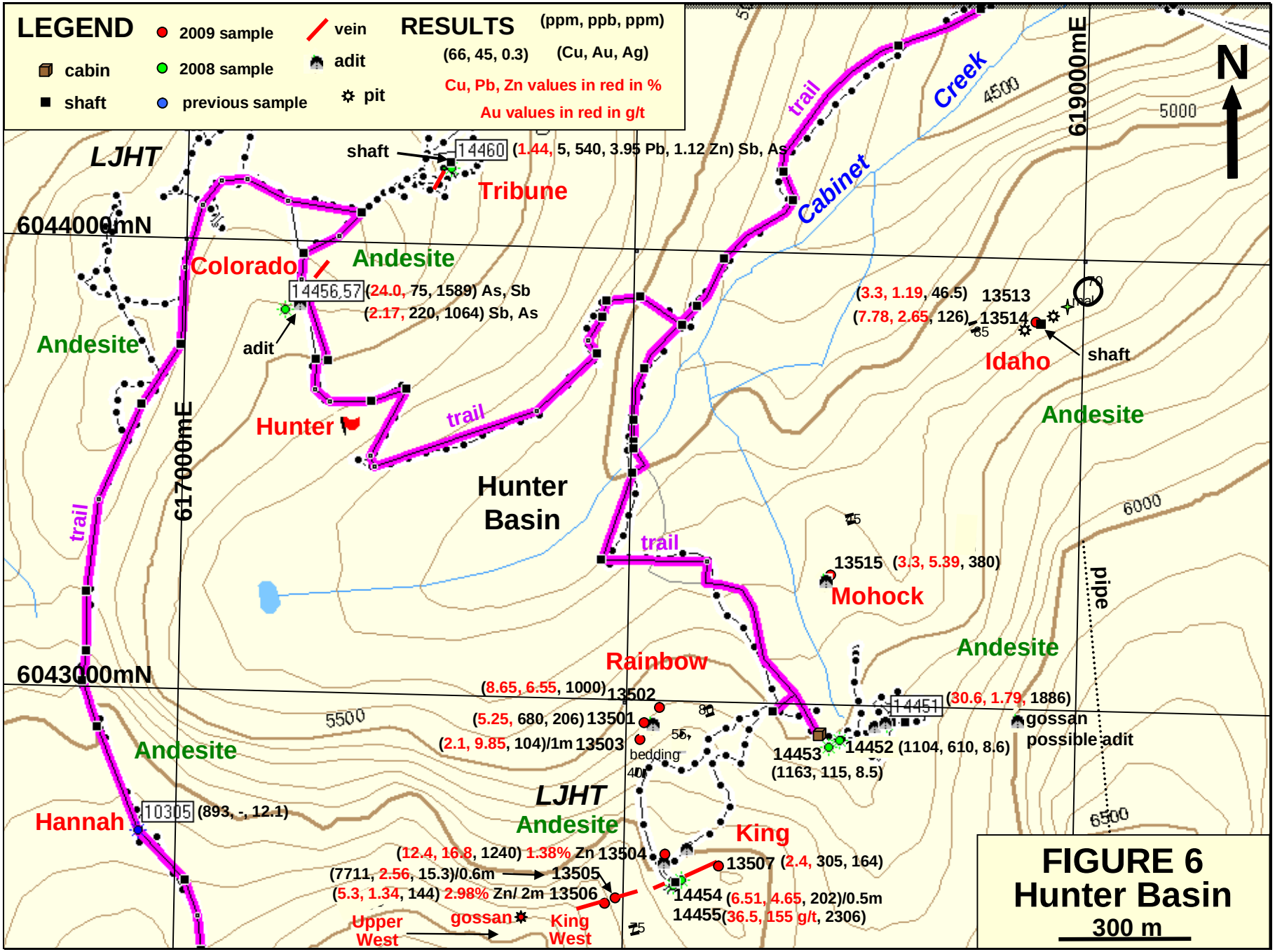
Significant copper-silver mineralization is associated with felsic dykes intruding andesite along the western margin of the MSJ stock. Values of 891 and 708 ppm Cu were obtained in 2009 (Samples 13539, 37 - *(Figure 13)*. Results of 4.03% Cu and 146 g/t Ag over 2m were obtained from andesite adjacent to the dykes in 2008 along the northwestern margin, approximately 1.5 km to the north *(Figure 13)*.

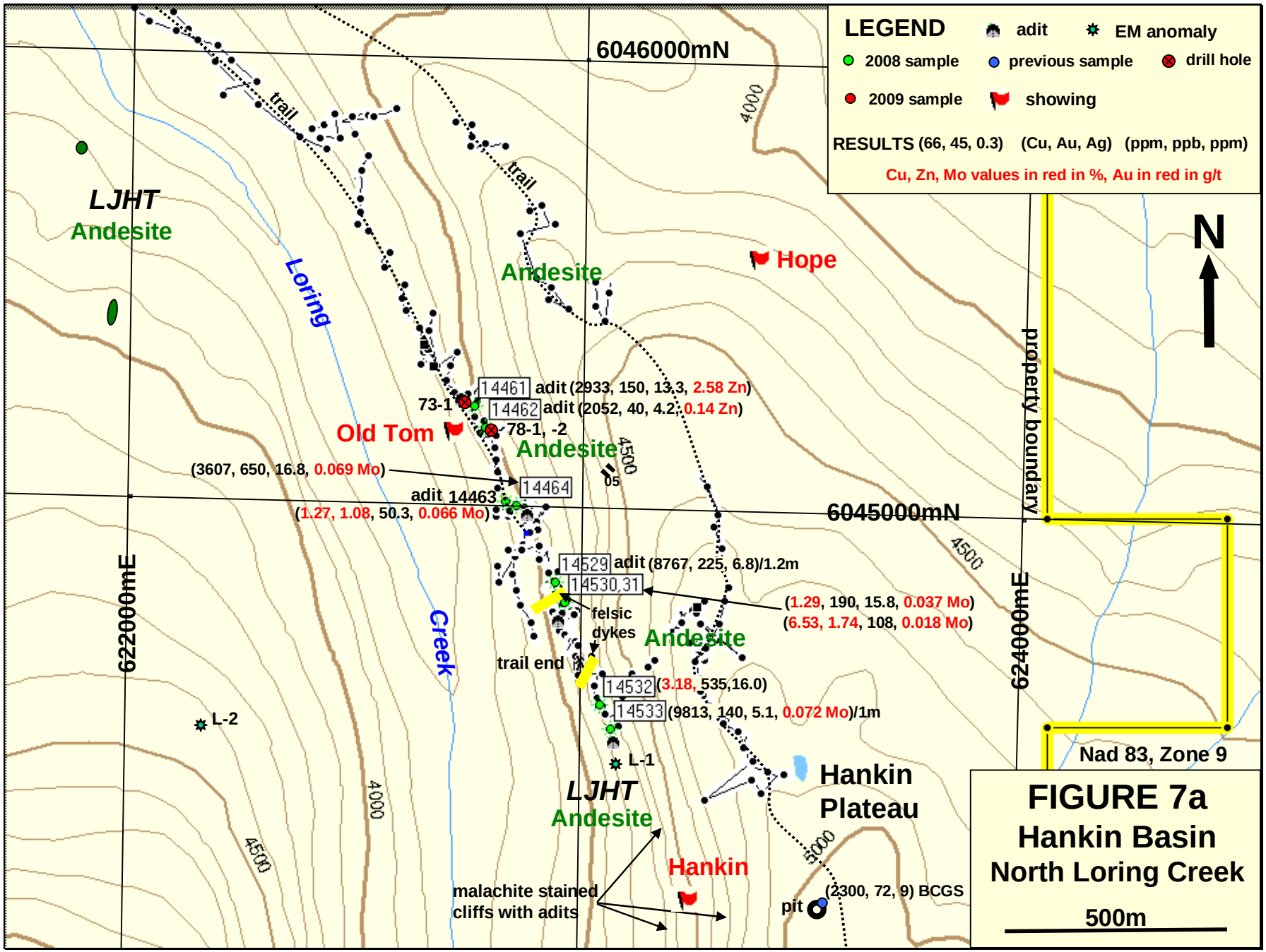
Examination of an airborne magnetic low anomaly in the Starr Creek area uncovered a monzonitic subvolcanic intrusion, but no mineralization was encountered and no anomalous results obtained (13548-49). However, very little exposure is evident within the magnetic low anomaly.

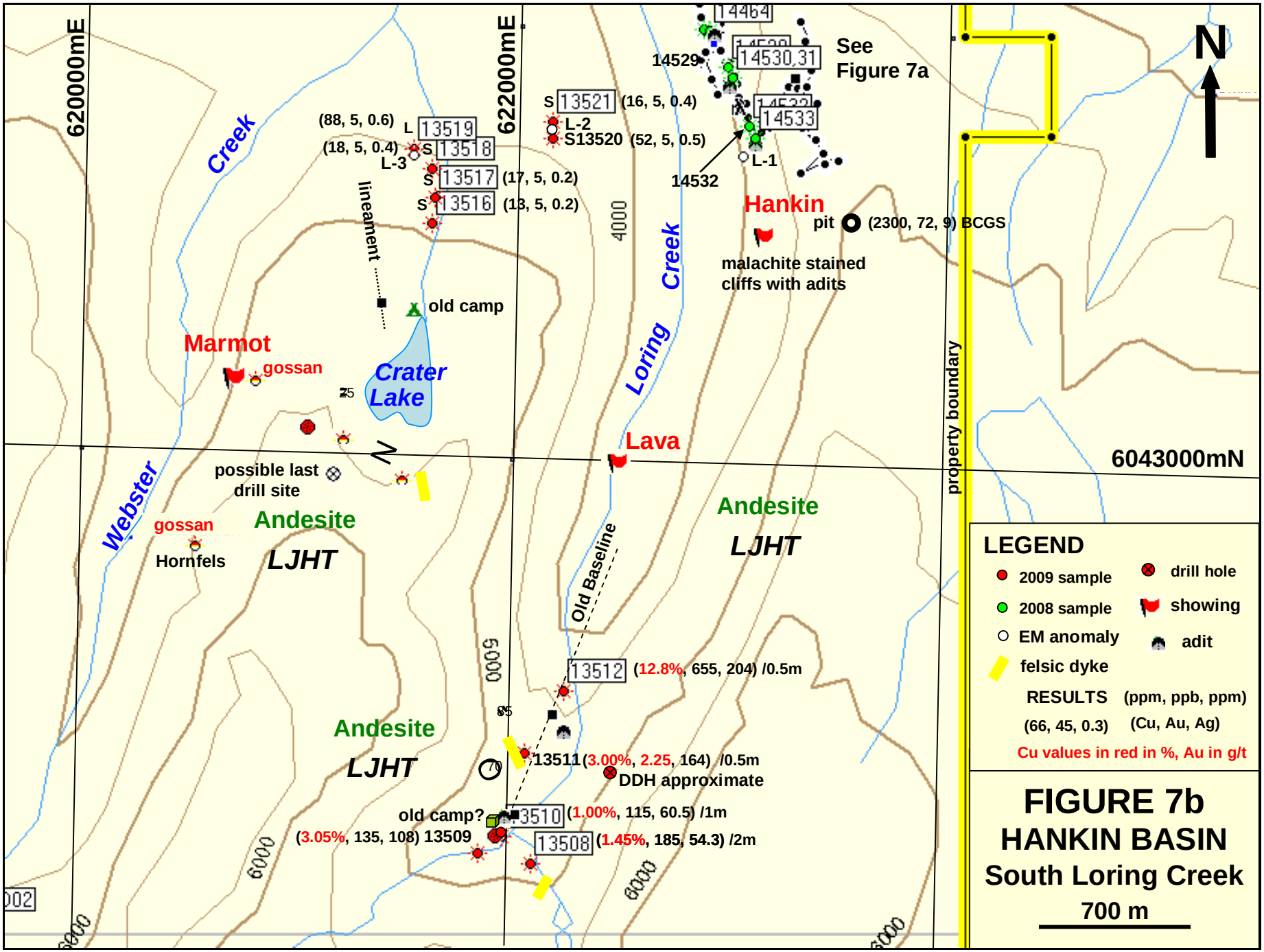
The Wolverine showing was located in 2009, consisting of quartz ±carbonate stockwork to breccia and shear hosted mineralization *(Figure 18)* with maximum results of 0.64% Cu, 165 ppb Au, 30.3 g/t Ag and 0.92% Zn across 1.5m (Sample 13547).

The similar 800m long northeast trending shear zone at the Ant prospect was located in 2008, 900m southeast of the Wolverine showing. The structure occurs within an obvious lineament with associated silicification, a fine quartz stockwork and fine disseminated sulphide mineralization, which consists of minor sphalerite and chalcopyrite. The southern end was sampled returning only 251 ppm Cu and 2.2 ppm Ag over 3m from within a 6m wide strongly altered exposure, with slightly higher values of 841 ppm Cu and 28.2 ppm Ag, 100m along strike to the northeast. No significant gold values were obtained.

More significant results were obtained from the Lefty showing in 2008, 1.5 km to the west, which is located to the east of the property and primarily within Burnie-Shea Park. Quartz veins, stockwork and breccia zones with minor pyrite, chalcopyrite and sphalerite, locally with more massive pyrite and chalcopyrite zones, are exposed over a 3 by 0.6 km area. Maximum values obtained were 0.69% Cu, 4.96 g/t Au across 1.5m from the hanging wall of a quartz stockwork breccia zone which returned 0.21% Cu, 2.09 g/t Au with 0.15% Zn across 1.5m.


LEGEND
2009 sample
2008 sample
previous sample
vein
adit
pit
cabin
shaft
RESULTS (ppm, ppb, ppm)
(66, 45, 0.3) (Cu, Au, Ag)
Cu, Pb, Zn values in red in %
Au values in red in g/t
N
LJHT
shaft
14460 (1.44, 5, 540, 3.95 Pb, 1.12 Zn) Sb, As
Tribune
6044000mN
Colorado
Andesite
14456,57 (24.0, 75, 1589) As, Sb
(2.17, 220, 1064) Sb, As
adit
Andesite
Hunter
trail
617000mE
Hunter Basin
trail
trail
Cabinet
Creek
619000mE
(3.3, 1.19, 46.5)
13513
(7.78, 2.65, 126)
13514
Idaho
shaft
Andesite
6000
13515 (3.3, 5.39, 380)
Mohock
pipe
Andesite
Rainbow
6043000mN
(8.65, 6.55, 1000) 13502
(5.25, 680, 206) 13501
(2.1, 9.85, 104)/1m 13503
bedding
14451 (30.6, 1.79, 1886)
gossan
possible adit
14453
14452 (1104, 610, 8.6)
(1163, 115, 8.5)
5500
Andesite
Hannah
10305 (893, -, 12.1)
LJHT
Andesite
King
(12.4, 16.8, 1240) 1.38% Zn 13504
13507 (2.4, 305, 164)
(7711, 2.56, 15.3)/0.6m 13505
(5.3, 1.34, 144) 2.98% Zn/ 2m 13506
14454 (6.51, 4.65, 202)/0.5m
14455(36.5, 155 g/t, 2306)
Upper West
gossan
King West
6500
FIGURE 6
Hunter Basin
300 m


LEGEND
adit
EM anomaly
2008 sample
previous sample
drill hole
2009 sample
showing
RESULTS (66, 45, 0.3) (Cu, Au, Ag) (ppm, ppb, ppm)
Cu, Zn, Mo values in red in %, Au in red in g/t
6046000mN
6045000mN
622000mE
624000mE
property boundary
N
trail
trail
LJHT
Andesite
Loring
Creek
Andesite
Hope
14461 adit (2933, 150, 13.3, 2.58 Zn)
73-1
14462 adit (2052, 40, 4.2, 0.14 Zn)
78-1, -2
Old Tom
Andesite
(3607, 650, 16.8, 0.069 Mo)
14464
adit 14463
(1.27, 1.08, 50.3, 0.066 Mo)
14529 adit (8767, 225, 6.8)/1.2m
14530,31
(1.29, 190, 15.8, 0.037 Mo)
(6.53, 1.74, 108, 0.018 Mo)
felsic dykes
Andesite
trail end
14532 (3.18, 535,16.0)
14533 (9813, 140, 5.1, 0.072 Mo)/1m
L-2
L-1
LJHT
Andesite
Hankin Plateau
Hankin
malachite stained cliffs with adits
pit
(2300, 72, 9) BCGS
4000
4500
5000
05
Nad 83, Zone 9
FIGURE 7a
Hankin Basin
North Loring Creek
500m


620000mE
622000mE
Creek
(88, 5, 0.6)
L 13519
(18, 5, 0.4)
S 13518
L-3
S 13517 (17, 5, 0.2)
S 13516 (13, 5, 0.2)
lineament
old camp
Marmot
gossan
Crater Lake
possible last drill site
Webster
gossan
Hornfels
Andesite
LJHT
S 13521 (16, 5, 0.4)
L-2
S13520 (52, 5, 0.5)
4000
Loring Creek
14464
14529
14530,31
14533
L-1
14532
See Figure 7a
Hankin
pit (2300, 72, 9) BCGS
malachite stained cliffs with adits
Lava
6043000mN
property boundary
Old Baseline
13512 (12.8%, 655, 204) /0.5m
13511 (3.00%, 2.25, 164) /0.5m
DDH approximate
old camp?
13510 (1.00%, 115, 60.5) /1m
(3.05%, 135, 108) 13509
13508 (1.45%, 185, 54.3) /2m
6000
N
LEGEND
2009 sample
2008 sample
EM anomaly
felsic dyke
drill hole
showing
adit
RESULTS (ppm, ppb, ppm)
(66, 45, 0.3) (Cu, Au, Ag)
Cu values in red in %, Au in g/t
FIGURE 7b
HANKIN BASIN
South Loring Creek
700 m

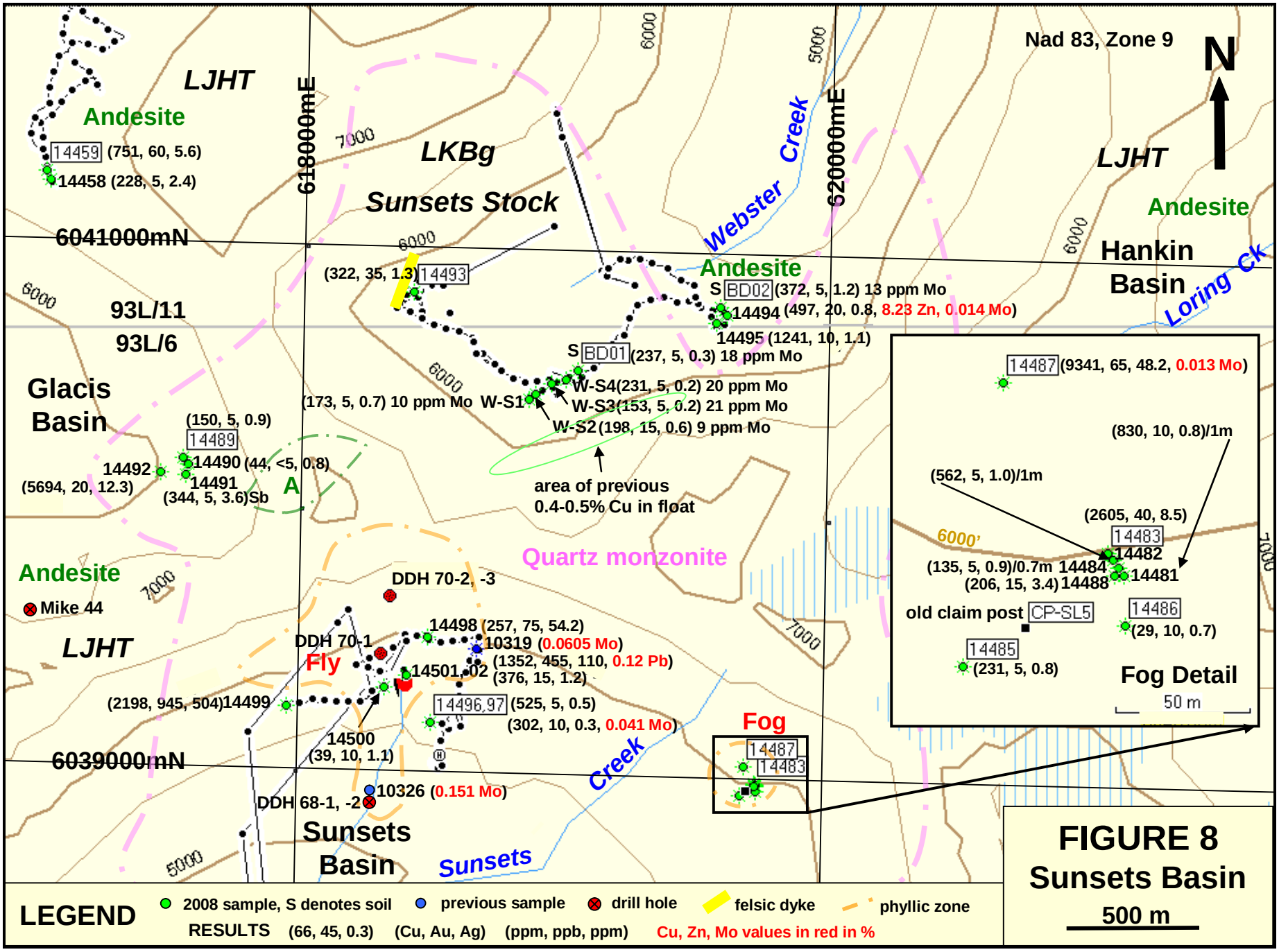
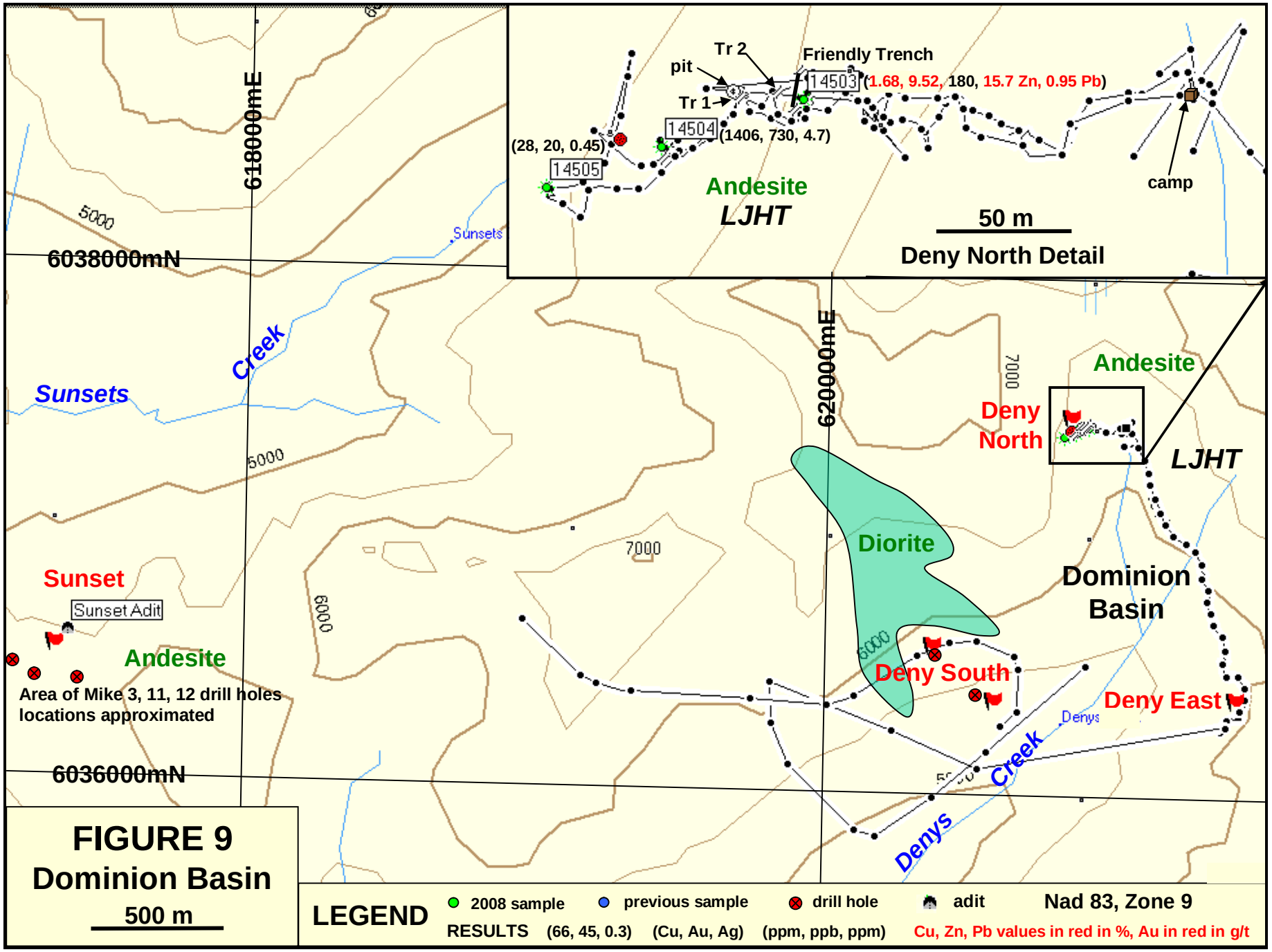
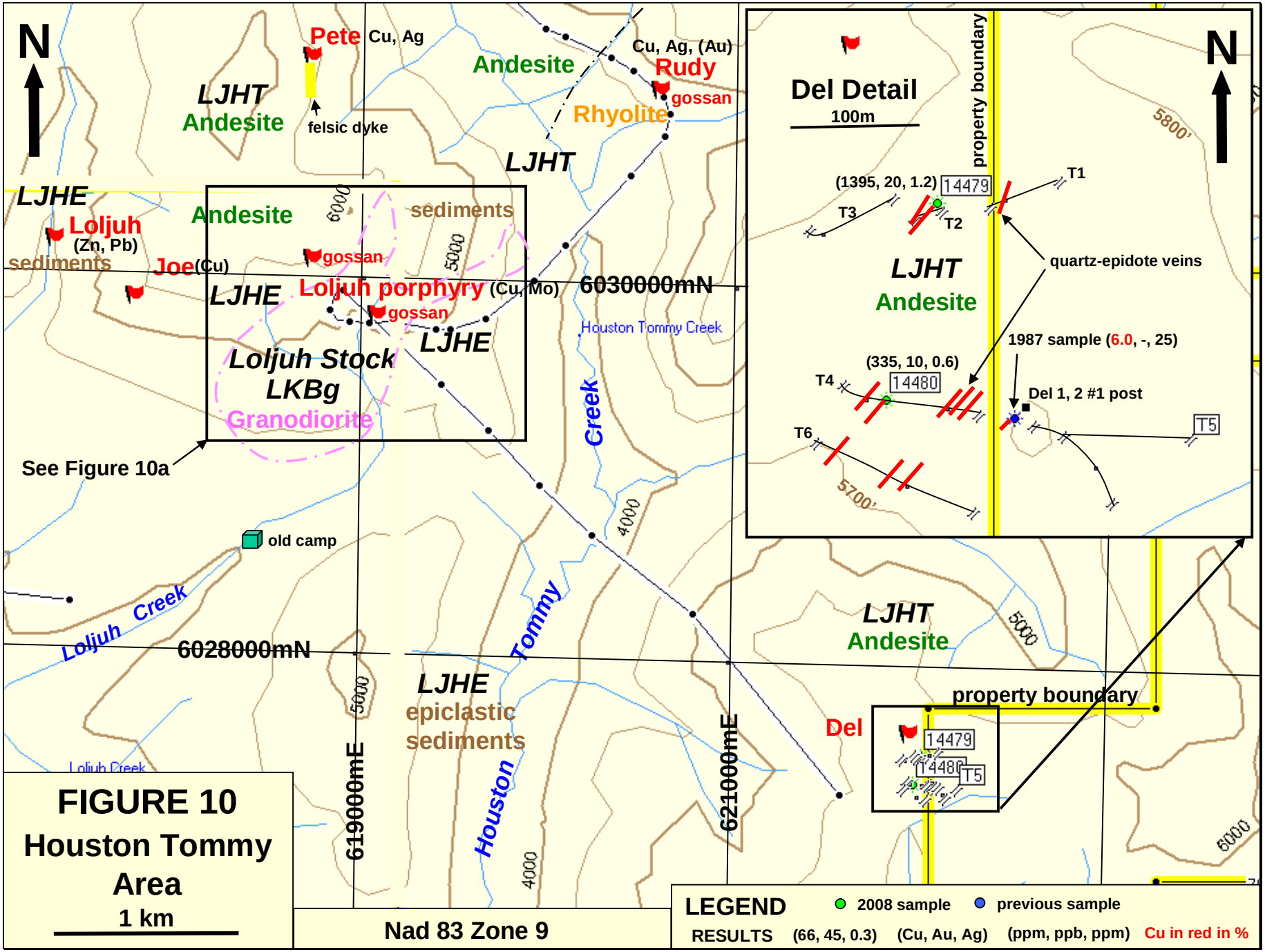
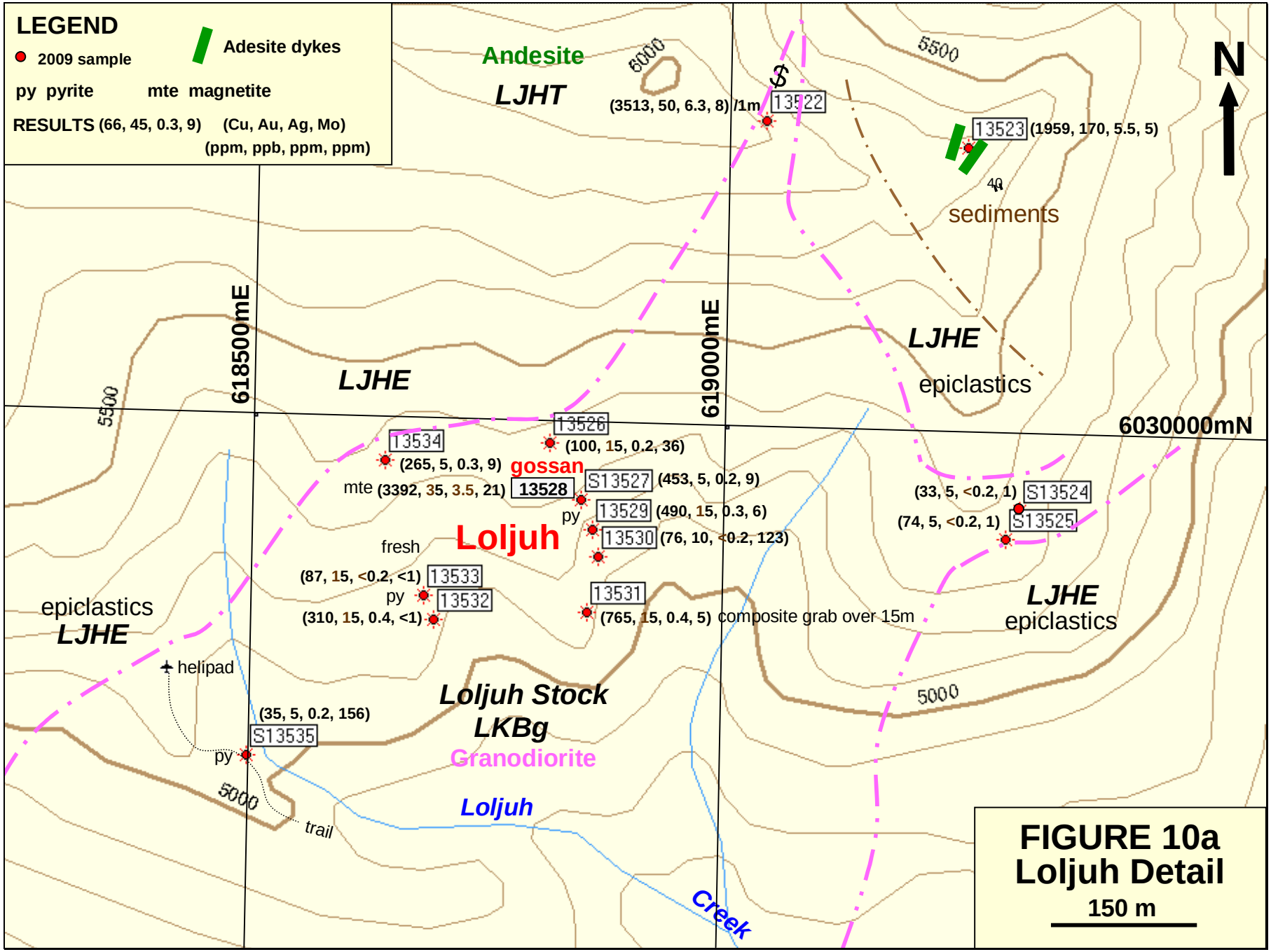
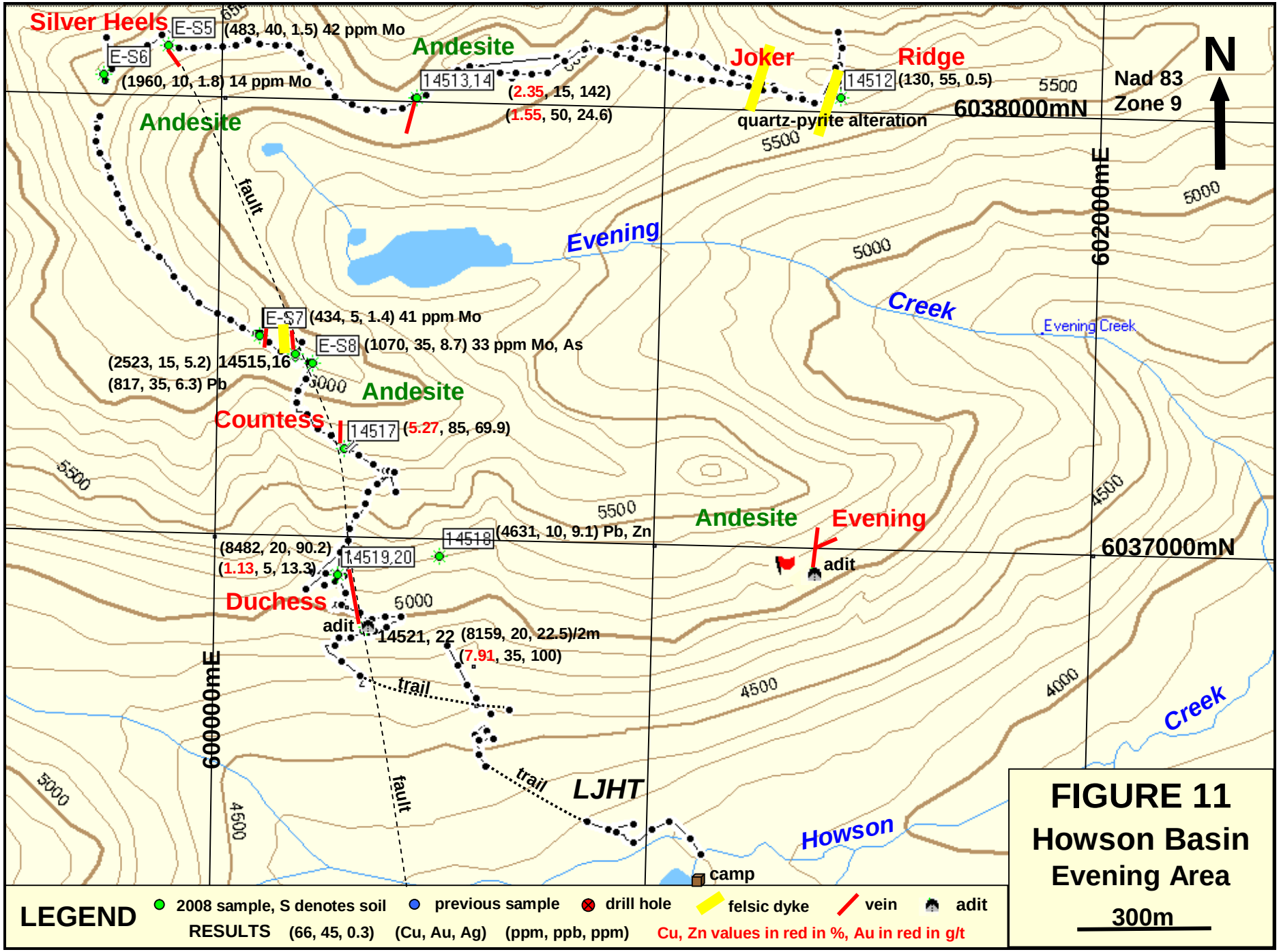


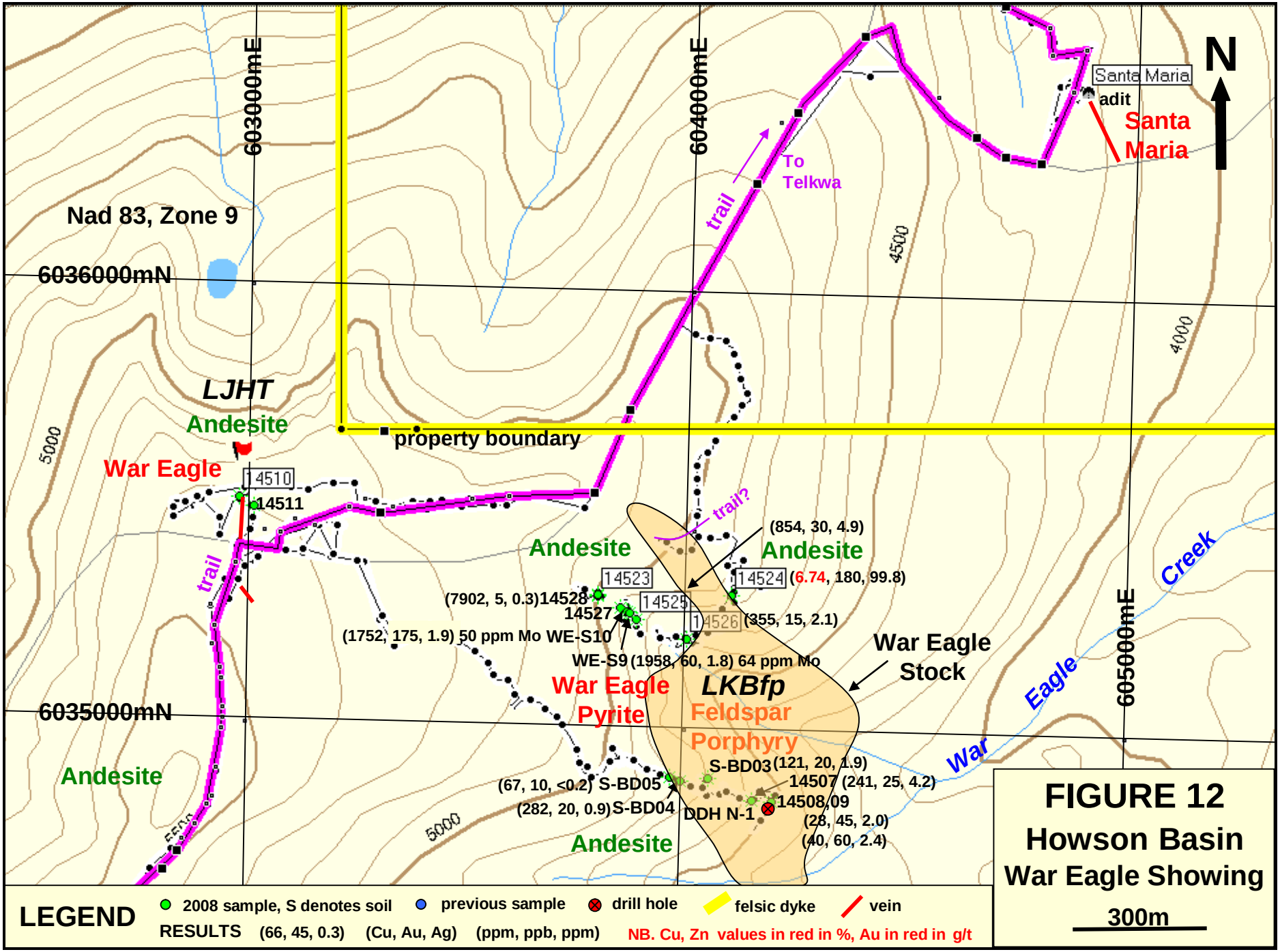
FIGURE 8
Sunsets Basin
500 m

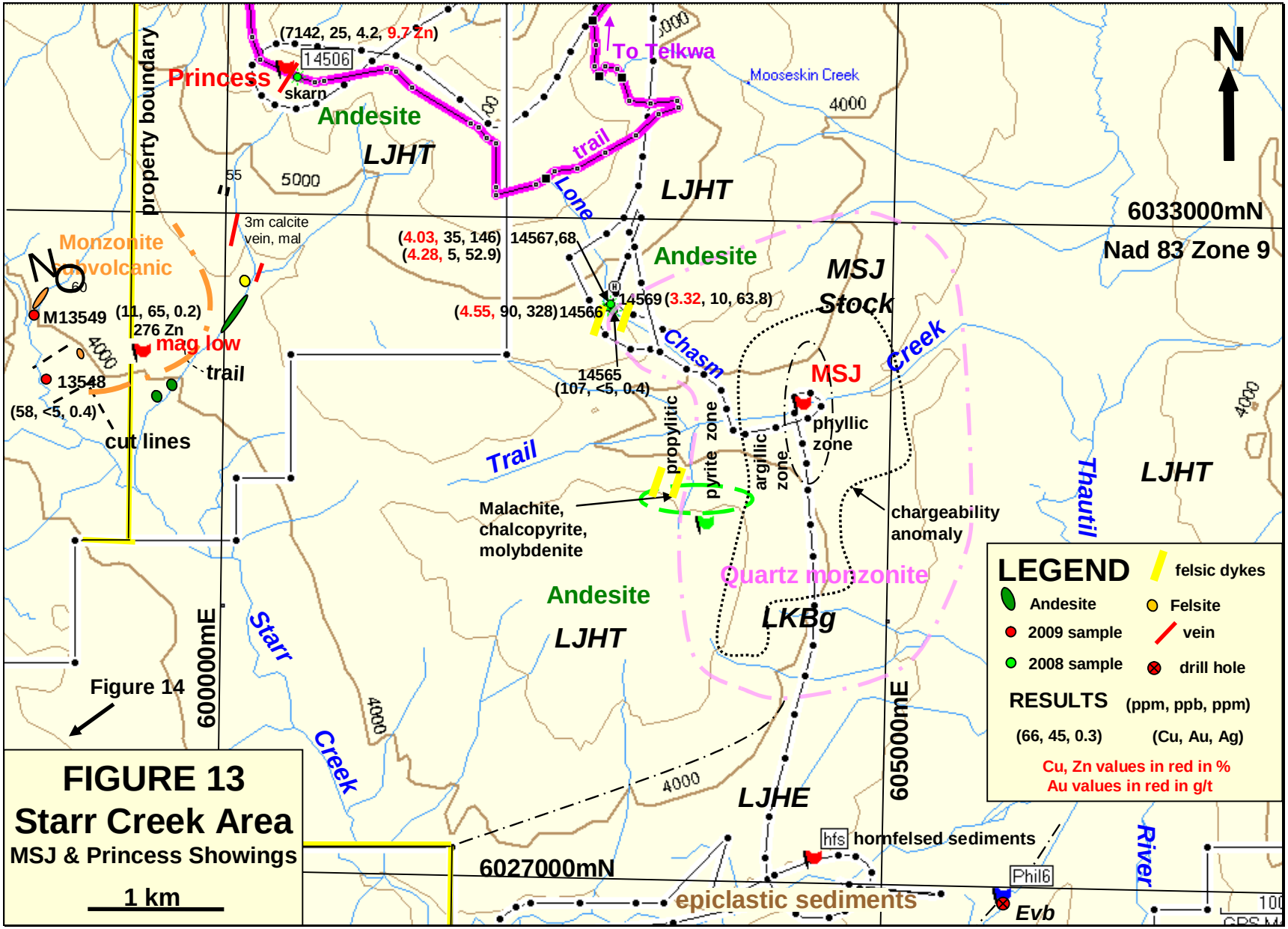

Tr 2
pit
Friendly Trench
14503
(1.68, 9.52, 180, 15.7 Zn, 0.95 Pb)
Tr 1
14504
(1406, 730, 4.7)
(28, 20, 0.45)
14505
Andesite
LJHT
camp
50 m
Deny North Detail
618000mE
620000mE
6038000mN
6036000mN
Sunsets
Creek
5000
6000
7000
Andesite
Deny
North
LJHT
Diorite
Dominion
Basin
Sunset
Sunset Adit
Andesite
Area of Mike 3, 11, 12 drill holes
locations approximated
Deny South
Deny East
Denys
Creek
Denys
FIGURE 9
Dominion Basin
500 m
LEGEND
2008 sample
previous sample
drill hole
adit
Nad 83, Zone 9
RESULTS (66, 45, 0.3) (Cu, Au, Ag) (ppm, ppb, ppm)
Cu, Zn, Pb values in red in %, Au in red in g/t

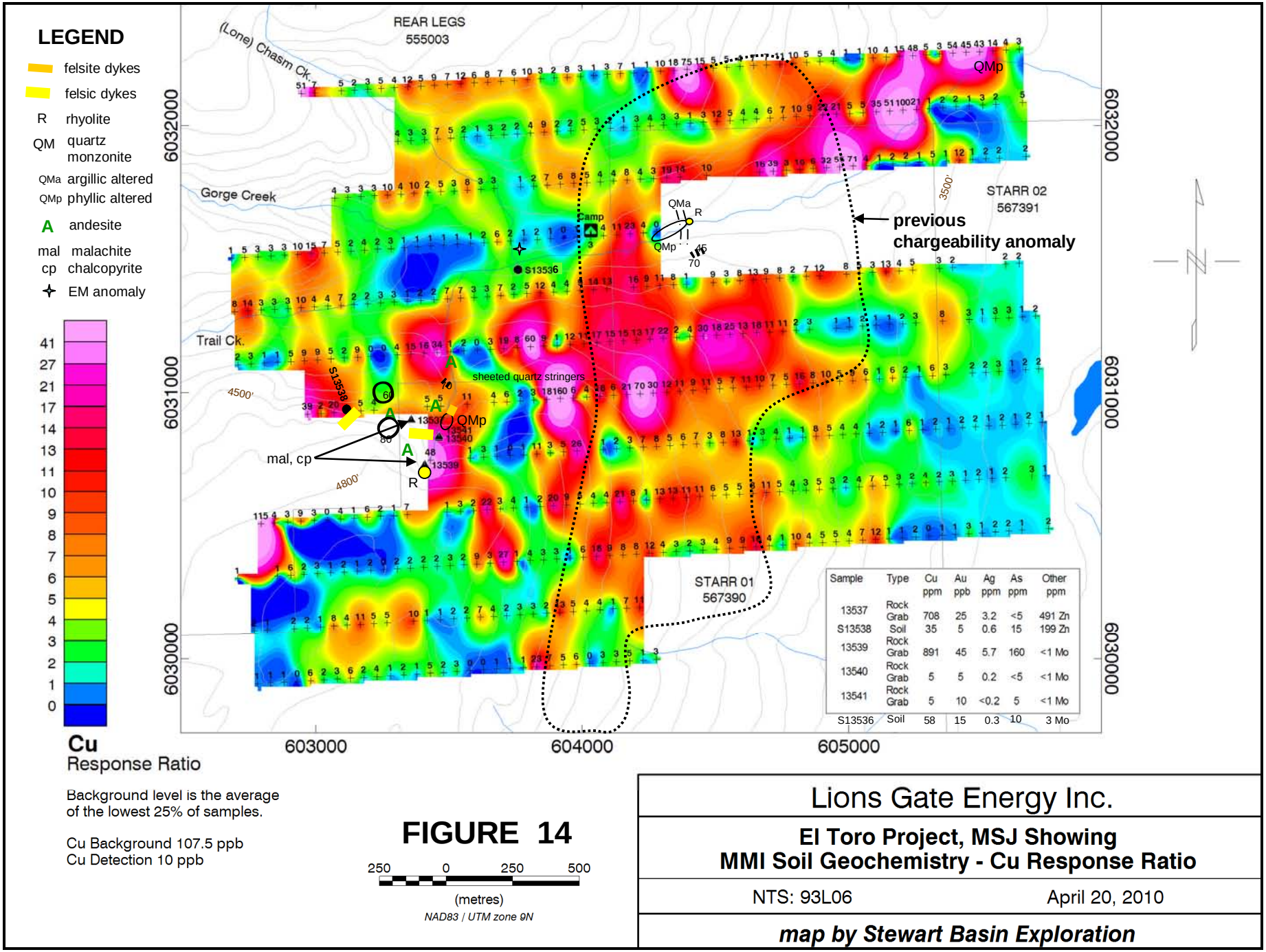

N
Pete
Cu, Ag
felsic dyke
LJHT
Andesite
Andesite
Cu, Ag, (Au)
Rudy
gossan
Rhyolite
LJHT
LJHE
Loljuh
(Zn, Pb)
sediments
Andesite
sediments
6000
5000
gossan
Joe(Cu)
LJHE
Loljuh porphyry (Cu, Mo)
6030000mN
gossan
LJHE
Houston Tommy Creek
Loljuh Stock
LKBg
Granodiorite
See Figure 10a
Creek
4000
old camp
Loljuh Creek
6028000mN
Tommy
LJHT
Andesite
5000
LJHE
epiclastic
sediments
property boundary
Del
619000mE
Houston
621000mE
Loljuh Creek
4000
6000
Del Detail
100m
property boundary
5800'
(1395, 20, 1.2)
14479
T1
T3
T2
quartz-epidote veins
LJHT
Andesite
1987 sample (6.0, -, 25)
(335, 10, 0.6)
T4
14480
Del 1, 2 #1 post
T5
T6
5700'
FIGURE 10
Houston Tommy
Area
1 km
Nad 83 Zone 9
LEGEND
2008 sample
previous sample
RESULTS
(66, 45, 0.3)
(Cu, Au, Ag)
(ppm, ppb, ppm)
Cu in red in %

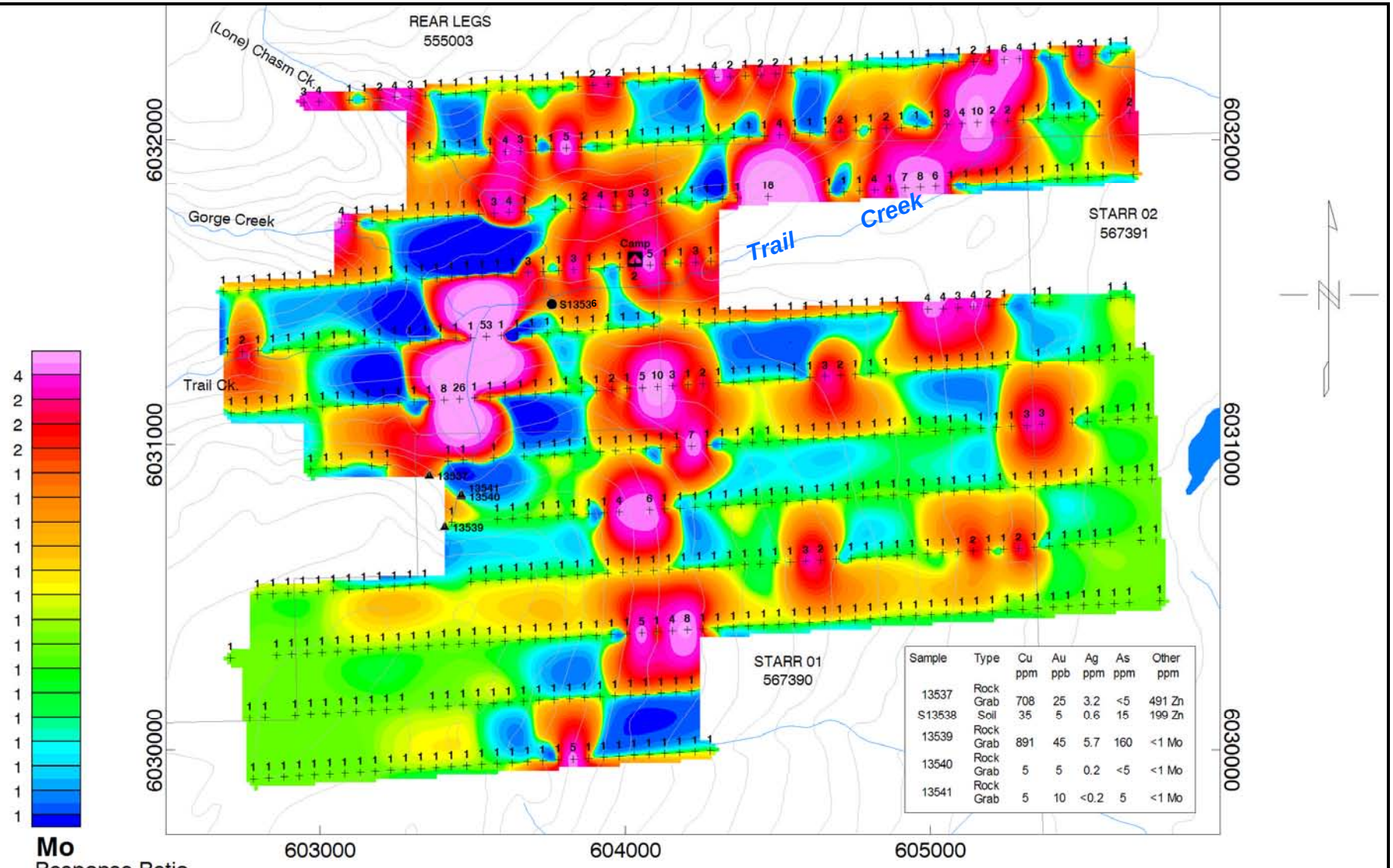

LEGEND
2009 sample
Adesite dykes
py pyrite
mte magnetite
RESULTS (66, 45, 0.3, 9) (Cu, Au, Ag, Mo)
(ppm, ppb, ppm, ppm)
Andesite
LJHT
6000
5500
(3513, 50, 6.3, 8) /1m
13522
13523 (1959, 170, 5.5, 5)
40
sediments
N
618500mE
619000mE
6030000mN
LJHE
epiclastics
LJHE
13534
(265, 5, 0.3, 9)
13526
(100, 15, 0.2, 36)
gossan
mte (3392, 35, 3.5, 21) 13528
S13527 (453, 5, 0.2, 9)
13529 (490, 15, 0.3, 6)
py
13530 (76, 10, <0.2, 123)
Loljuh
fresh
(87, 15, <0.2, <1) 13533
py 13532
(310, 15, 0.4, <1)
13531
(765, 15, 0.4, 5) composite grab over 15m
(33, 5, <0.2, 1) S13524
(74, 5, <0.2, 1) S13525
LJHE
epiclastics
epiclastics
LJHE
helipad
(35, 5, 0.2, 156)
S13535
py
Loljuh Stock
LKBg
Granodiorite
5000
trail
Loljuh
Creek
FIGURE 10a
Loljuh Detail
150 m


Silver Heels
E-S5
(483, 40, 1.5) 42 ppm Mo
E-S6
(1960, 10, 1.8) 14 ppm Mo
Andesite
Andesite
14513,14
(2.35, 15, 142)
(1.55, 50, 24.6)
Joker
Ridge
14512
(130, 55, 0.5)
quartz-pyrite alteration
Nad 83
Zone 9
N
6038000mN
602000mE
fault
Evening
Creek
Evening Creek
E-S7
(434, 5, 1.4) 41 ppm Mo
E-S8
(1070, 35, 8.7) 33 ppm Mo, As
(2523, 15, 5.2) 14515,16
(817, 35, 6.3) Pb
Andesite
Countess
14517
(5.27, 85, 69.9)
Andesite
Evening
adit
14518
(4631, 10, 9.1) Pb, Zn
6037000mN
(8482, 20, 90.2)
(1.13, 5, 13.3)
14519,20
Duchess
adit
14521, 22
(8159, 20, 22.5)/2m
(7.91, 35, 100)
trail
600000mE
fault
trail
LJHT
Howson
Creek
camp
5500
5000
4500
4000
LEGEND
2008 sample, S denotes soil
previous sample
drill hole
felsic dyke
vein
adit
RESULTS (66, 45, 0.3) (Cu, Au, Ag) (ppm, ppb, ppm) Cu, Zn values in red in %, Au in red in g/t
FIGURE 11
Howson Basin
Evening Area
300m


603000mE
604000mE
605000mE
N
Santa Maria
adit
Santa Maria
To Telkwa
trail
Nad 83, Zone 9
6036000mN
6035000mN
LJHT
Andesite
War Eagle
property boundary
14510
14511
trail
trail?
Andesite
Andesite
14523
14524
14525
14526
(854, 30, 4.9)
(6.74, 180, 99.8)
(7902, 5, 0.3)14528
14527
(355, 15, 2.1)
(1752, 175, 1.9) 50 ppm Mo WE-S10
WE-S9 (1958, 60, 1.8) 64 ppm Mo
War Eagle Stock
War Eagle
Pyrite
LKBfp
Feldspar
Porphyry
Andesite
S-BD03 (121, 20, 1.9)
14507 (241, 25, 4.2)
(67, 10, <0.2) S-BD05
(282, 20, 0.9)S-BD04
DDH N-1
14508,09
(28, 45, 2.0)
(40, 60, 2.4)
Andesite
4500
4000
5000
5000
Creek
Eagle
War
LEGEND
2008 sample, S denotes soil
previous sample
drill hole
felsic dyke
vein
RESULTS (66, 45, 0.3) (Cu, Au, Ag) (ppm, ppb, ppm)
NB. Cu, Zn values in red in %, Au in red in g/t
FIGURE 12
Howson Basin
War Eagle Showing
300m


(7142, 25, 4.2, 9.7 Zn)
14506
Princess
skarn
Andesite
LJHT
property boundary
55
5000
3m calcite
vein, mal
Monzonite
volcanic
M13549
(11, 65, 0.2)
276 Zn
mag low
trail
13548
(58, <5, 0.4)
cut lines
To Telkwa
Mooseskin Creek
4000
trail
Lone
LJHT
6033000mN
Nad 83 Zone 9
(4.03, 35, 146)
(4.28, 5, 52.9)
14567,68
Andesite
MSJ
Stock
(4.55, 90, 328)
14566
14569
(3.32, 10, 63.8)
Chasm
Creek
14565
(107, <5, 0.4)
MSJ
phyllic
zone
propylitic
pyrite zone
argillic
zone
Trail
Malachite,
chalcopyrite,
molybdenite
chargeability
anomaly
Thautil
LJHT
Quartz monzonite
LKBg
Andesite
LJHT
600000mE
Starr
Creek
Figure 14
605000mE
LJHE
hfs
hornfelsed sediments
6027000mN
epiclastic sediments
Phil6
Evb
River
N
LEGEND
felsic dykes
Andesite
Felsite
2009 sample
vein
2008 sample
drill hole
RESULTS
(ppm, ppb, ppm)
(66, 45, 0.3)
(Cu, Au, Ag)
Cu, Zn values in red in %
Au values in red in g/t
FIGURE 13
Starr Creek Area
MSJ & Princess Showings
1 km


LEGEND
felsite dykes
felsic dykes
R rhyolite
QM quartz monzonite
QMa argillic altered
QMp phyllic altered
A andesite
mal malachite
cp chalcopyrite
EM anomaly
41
27
21
17
14
13
11
10
9
8
7
6
5
4
3
2
1
0
Cu
Response Ratio
Background level is the average of the lowest 25% of samples.
Cu Background 107.5 ppb
Cu Detection 10 ppb
REAR LEGS
555003
(Lone) Chasm Ck.
Gorge Creek
Trail Ck.
Camp
QMa
QMp
R
S13536
S13538
sheeted quartz stringers
mal, cp
4500'
4800'
3500'
STARR 02
567391
STARR 01
567390
previous chargeability anomaly
6032000
6031000
6030000
603000
604000
605000
Sample Type Cu ppm Au ppb Ag ppm As ppm Other ppm
13537 Rock Grab 708 25 3.2 <5 491 Zn
S13538 Soil 35 5 0.6 15 199 Zn
13539 Rock Grab 891 45 5.7 160 <1 Mo
13540 Rock Grab 5 5 0.2 <5 <1 Mo
13541 Rock Grab 5 10 <0.2 5 <1 Mo
S13536 Soil 58 15 0.3 10 3 Mo
FIGURE 14
250 0 250 500
(metres)
NAD83 / UTM zone 9N
Lions Gate Energy Inc.
El Toro Project, MSJ Showing
MMI Soil Geochemistry - Cu Response Ratio
NTS: 93L06
April 20, 2010
map by Stewart Basin Exploration



Sample	Type	Cu ppm	Au ppb	Ag ppm	As ppm	Other ppm
13537	Rock Grab	708	25	3.2	<5	491 Zn
S13538	Soil	35	5	0.6	15	199 Zn
13539	Rock Grab	891	45	5.7	160	<1 Mo
13540	Rock Grab	5	5	0.2	<5	<1 Mo
13541	Rock Grab	5	10	<0.2	5	<1 Mo

Background level is the average of the lowest 25% of samples.

Mo Background 2.5 ppb
Mo Detection 5 ppb

FIGURE 15

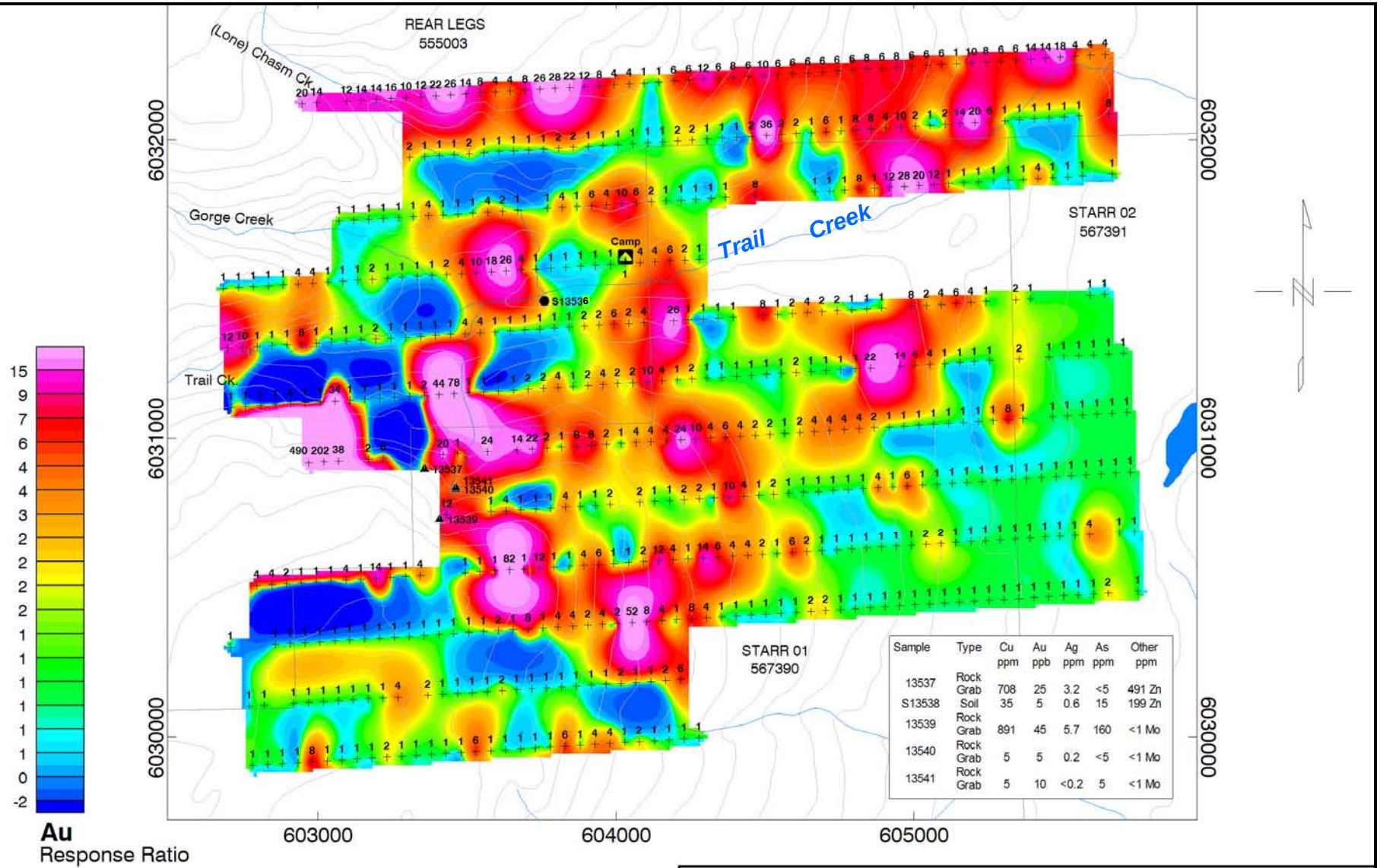
250 0 250 500
(metres)
NAD83 / UTM zone 9N

Lions Gate Energy Inc.

El Toro Project, MSJ Showing
MMI Soil Geochemistry - Mo Response Ratio

NTS: 93L06 April 20, 2010

map by Stewart Basin Exploration



Sample	Type	Cu ppm	Au ppb	Ag ppm	As ppm	Other ppm
13537	Rock Grab	708	25	3.2	<5	491 Zn
S13538	Soil	35	5	0.6	15	199 Zn
13539	Rock Grab	891	45	5.7	160	<1 Mo
13540	Rock Grab	5	5	0.2	<5	<1 Mo
13541	Rock Grab	5	10	<0.2	5	<1 Mo

Background level is the average of the lowest 25% of samples.

Au Background 0.05 ppb
Au Detection 0.1 ppb

FIGURE 16

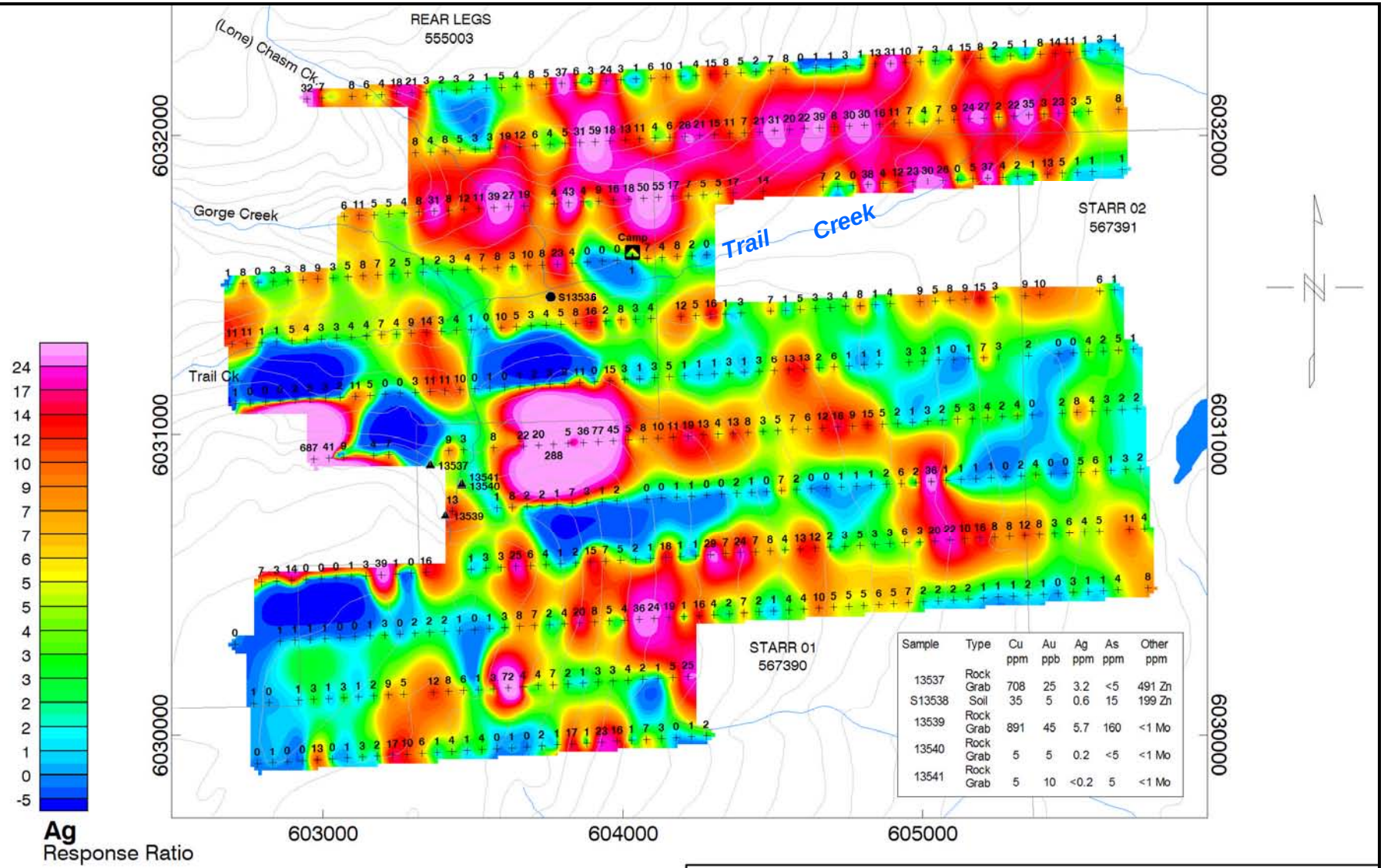
250 0 250 500
(metres)
NAD83 / UTM zone 9N

Lions Gate Energy Inc.

El Toro Project, MSJ Showing
MMI Soil Geochemistry - Au Response Ratio

NTS: 93L06 April 20, 2010

map by Stewart Basin Exploration



Sample	Type	Cu ppm	Au ppb	Ag ppm	As ppm	Other ppm
13537	Rock Grab	708	25	3.2	<5	491 Zn
S13538	Soil	35	5	0.6	15	199 Zn
13539	Rock Grab	891	45	5.7	160	<1 Mo
13540	Rock Grab	5	5	0.2	<5	<1 Mo
13541	Rock Grab	5	10	<0.2	5	<1 Mo

Background level is the average of the lowest 25% of samples.

Ag Background 2.75 ppb
Ag Detection 1 ppb

FIGURE 17

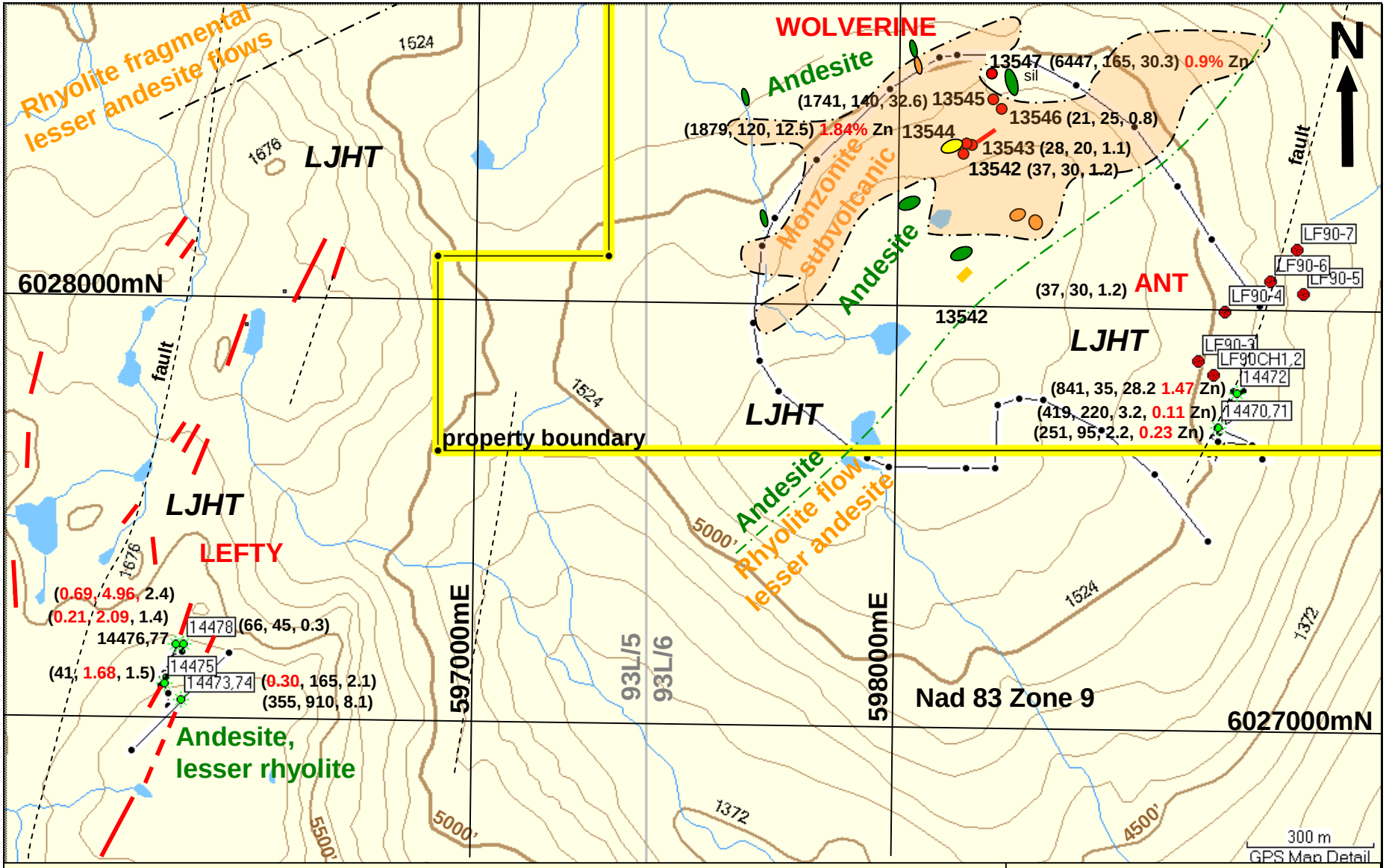
250 0 250 500
(metres)
NAD83 / UTM zone 9N

Lions Gate Energy Inc.

El Toro Project, MSJ Showing
MMI Soil Geochemistry - Ag Response Ratio

NTS: 93L06 April 20, 2010

map by Stewart Basin Exploration



LEGEND

Andesite | Rhyolite fragmental | Rhyolite dyke

2009 sample | 2008 sample | drill hole | vein

RESULTS (66, 45, 0.3) (Cu, Au, Ag) (ppm, ppb, ppm) NB. Cu, Zn values in red in %, Au in red in g/t

FIGURE 18
Starr Creek Area
Ant, Lefty & Wolverine

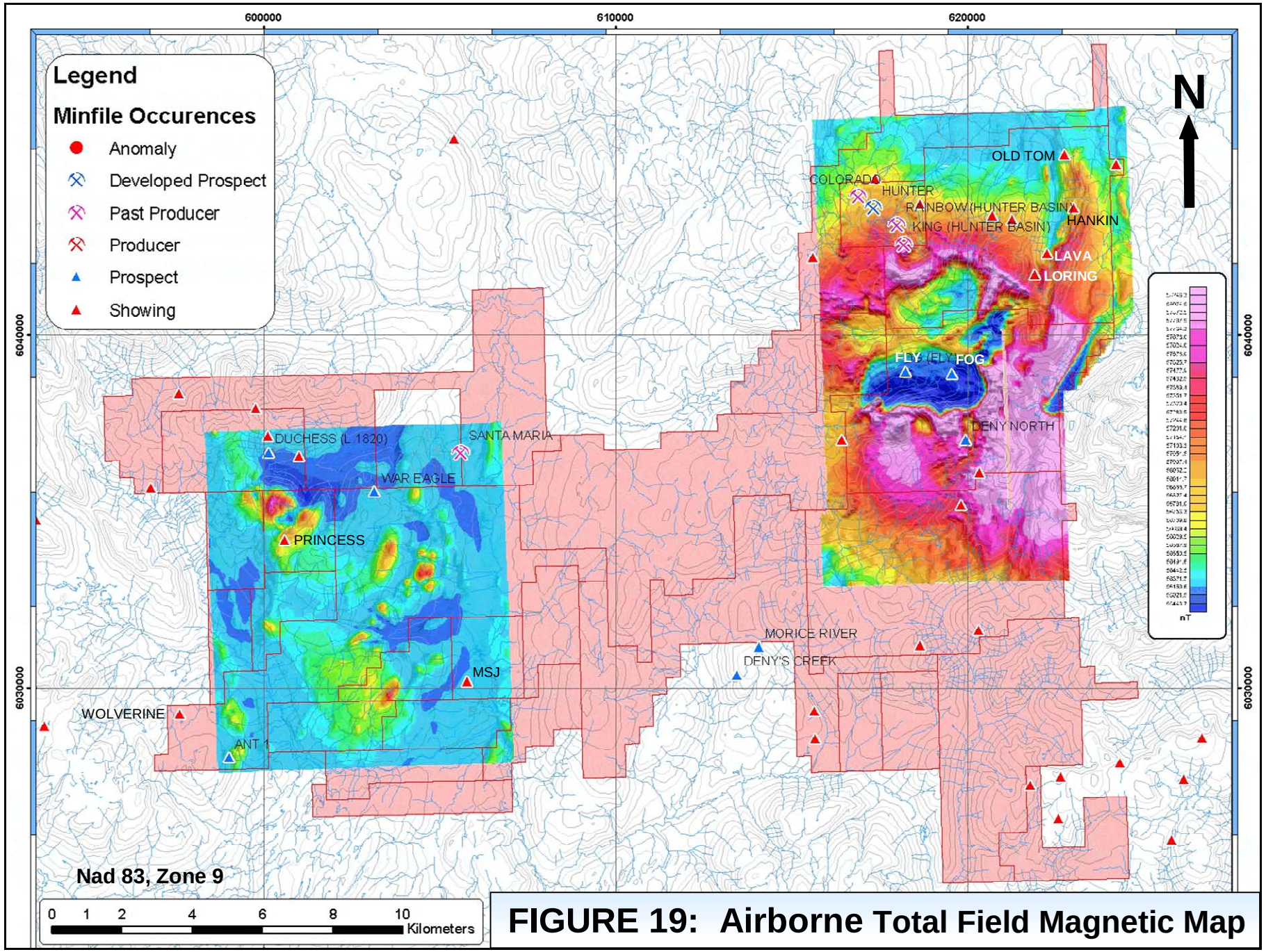


FIGURE 19: Airborne Total Field Magnetic Map

11.0 SAMPLING METHOD AND APPROACH

A total of 37 rock samples, 10 soil samples (denoted by “S”), 2 stream sediment samples and 558 MMI soil samples were collected from the property during the 2009 program for geochemical analysis. The samples were located and recorded by GPS in the field using UTM coordinates, Nad 83 datum, Zone 9 projection. Sample locations, and descriptions with select results (copper, gold, silver, arsenic ± molybdenum, zinc and lead) are documented in Appendix II and complete results are outlined in Appendix III. Sample locations are shown in Figures 6 to 14 and 18 with previous results.

The rock samples across the property primarily consisted of chip and grab samples of quartz veins, sulphide mineralization and altered zones, exposed as float, subcrop and outcrop. The samples were placed in clear plastic sample bags, numbered and secured in the field.

The conventional soil samples were collected as reconnaissance samples from the B or C horizon with a rock hammer and placed in waterproof kraft bags, numbered and secured.

The MMI soil samples were collected from the MSJ porphyry showing area along twelve 090º trending lines, 200m apart, at a 50m sample spacing. The samples were collected using shovels, generally 10-25 cm below the base of the organic horizon, placed in plastic zip-lock bags and then into pre-numbered Kraft soil bags. The shovel was cleaned after each sample with a J-cloth to avoid contamination. Sample sites were marked in the field with flagging and an aluminum tag with sample number, and locations recorded by GPS. Response ratios were calculated from the results, as recommended by SGS, by determining the background level, the average of the lowest 25% of the samples, and dividing each sample result by the background.

12.0 SAMPLE PREPARATION AND SECURITY

The rock and reconnaissance soil and silt samples were personally delivered to Greyhound in Smithers and sent directly to Eco Tech Laboratory Ltd. (Alex Stewart Geochemical), Kamloops, British Columbia, an ISO 9001 accredited facility, registration number CDN 52172-07 for preparation and analysis. The samples were analyzed for Al, Sb, As, Ba, Bi, Cd, Ca, Cr, Co, Cu, Fe, La, Pb, Mg, Mn, Mo, Na, Ni, P, Ag, Sr, Ti, Sn, W, U, V, Y and Zn using a 28 element ICP package which involves a nitric-aqua regia digestion. Gold was analyzed by fire assay with an atomic absorption finish. Laboratory sample preparation and analysis procedures are outlined in Appendix III.

Quality control procedures were implemented at the laboratory, involving the regular insertion of blanks and standards and check repeat analyses and resplits (re-analysis on the original sample prior to splitting).

MMI samples were sent to, and processed at, SGS Mineral Services in Toronto, an ISO/IEC 17025 accredited facility. Samples are subjected to a weak leach resulting in

dissolution of only the mobile metal ions in the soil, allowing the detection of deeply buried mineralization.

There is no evidence of any tampering with or contamination of the samples during collection, shipping, analytical preparation or analysis. All sample preparation was conducted by the laboratories.

13.0 DATA VERIFICATION

The current geochemical data was verified by sourcing original analytical certificates and digital data. Analytical data quality assurance and quality control was indicated by the favourable reproducibility obtained in laboratory standards, blanks and duplicates. There does not appear to have been any tampering with or contamination of the samples during collection, shipping, analytical preparation or analysis.

14.0 GEOPHYSICS

Two airborne magnetic and electromagnetic surveys were carried out over the El Toro Project by Lions Gate Energy Inc. between October 25 and November 26, 2008 by Aeroquest Limited utilizing an Aerotem 3 system with east-west lines and 100m line spacing. East-west lines were used due the predominance of north to northeasterly trending structures throughout the project area. The western block (995 line km) covers the Howson Basin and Starr Creek areas and the eastern block (500 line km) surrounds the 629 line km Sunsets Creek Aerotem 2 magnetic-electromagnetic survey flown by Lions Gate Energy Inc. in 2007 to cover Hunter, Hankin and Dominion Basins. The survey areas are outlined in Figure 2 and total field magnetic results are shown on Figure 19.

A number of persistent northeast trending electromagnetic high anomalies occur in Hunter Basin *(Pautler, 2009c)*, which suggest that the high sulphide veins in this area (with associated high grade copper-silver-gold mineralization) have additional potential along strike.

The closely spaced copper-silver-gold mineralized permeable horizons along Loring Creek in the Hankin Basin area show up as a moderate electromagnetic high anomaly *(Pautler, 2009c)*. The most intense electromagnetic signature along the main horizon trend is at UTM co-ordinates 6044426mN, 623041mE, Nad 83, Zone 9 projection, which lies approximately 100m further south of the area investigated in 2008. Two similar northerly trending anomalies that could be indicative of similar mineralization were noted centred at 6044500mN, 622150mE and 6044390mN, 621511mE and investigated in 2009 (Figure 7b).

An electromagnetic high anomaly occurs at the junction of Lone Chasm and Trail Creeks peripheral to the MSJ stock at 6031489mN, 603752mE *(Figure 14)*, which could be related to an associated high sulphide vein.

An electromagnetic high anomaly coincident with a magnetic low was identified in the Denys Creek area at 6033000mN, 616360mE and a second electromagnetic high at 6034564mN, 616300mE *(Pautler, 2009c)*. No showings or previous work have been documented in this area. The response may be indicative of a high sulphide vein(s) outboard of the Sunsets stock.

A 2 km diameter magnetic low was identified *(Figure 13)*, centred at approximately 6031766mN, 599330mE (with a favourable landing site at this locality) which may reflect an altered intrusion related to the skarn mineralization at the Princess showing.

The 2007 airborne magnetic survey outlined a classic porphyry style donut shaped magnetic low within the Sunsets stock *(Pozza and Garrie, 2007)*.

15.0 Drilling

No drilling was undertaken by Lions Gate Energy Inc. during the 2007 to 2009 programs. At least 16 drill programs, only totalling approximately 3800 metres in approximately 60 holes, were completed on twelve of the showings on the El Toro Project between 1967 and 1990 and are summarized in Table 3 below. Complete details of most of the programs are not available in the assessment records with some programs only mentioned in the annual reports of the British Columbia Ministry of Energy, Mines and Petroleum Resources (formerly the British Columbia Department of Mines).

Table 3: Drill programs

Year	Showing	Company	Holes	Type	Size	Depth (m)
1967	Duchess	Norcan Mines Ltd.	6	diamond	BQ	150?
1967	Loljuh	Noranda	7	diamond	BQ	90.2
1968?	King	Canadian American Mining Co.?	?	diamond	AQ	100?
1968	War Eagle Py	Pathfinder Resources Ltd.	1	diamond	NQ	>177 (250?)
1968	Fly	Whitesail Mines Ltd.	2	diamond	AX?	152.4
1968	Loring	Falconbridge Nickel Mines Inc.	4	diamond	AX	210.6
1968	Sunset, etc.	Pyramid Mining Co. Ltd.	5?	?		150?
1969	Deny N	Falconbridge Nickel Mines Inc.	3	diamond	AX	27.6
1969	NE Deny S	Falconbridge Nickel Mines Inc.	4	diamond	AX	181.2
1970	Fly	Ducanex Resources Ltd.	3	diamond	BQ	478
1973	Old Tom	Maharaja Minerals	1	diamond	BQ	short 20
1974	Deny S	Maharaja Minerals	9	diamond	BQ	400?
1975	Marmot	Maharaja Minerals	2?	diamond	BQ	150?
1978	Old Tom	Cardero Resources Ltd.	2	diamond	BQ	182
1978	Marmot	Maharaja Minerals	2?	diamond	BQ	150?
1990	Ant	Atna Resources Ltd.	7	diamond	BQ	1100
TOTAL	**12 properties**	**16 programs**	**58+**			**3792m**

There is no record of drill hole locations, specifications or results from the 1967 diamond drill program by Noranda on the Loljuh copper-molybdenum porphyry target *(BCDM, 1969)*. There is no record of the drilling on the King but minor drill core was observed on

site and may have followed an induced polarization survey in 1967 *(Baird, 1967)*. There is no documentation of the two Fly drill programs, but locations were shown in assessment records *(Allen, 1981)* with specifications shown for the 1968 program *(Woolverton, 1969)*. Details of the 1969 programs on the Deny North and NE Deny South showings by Falconbridge were not found but locations were documented with some specifications in subsequent assessment reports *(Kikuchi, 1981)*.

In 1968 one hole was diamond drilled on the Phil 6 claim (south of Starr Creek), one on the Al 4 claim (near outlet of Glacis Creek), one on the Mike 44 claim (west of Fly) and some holes on the Mike 3, 11, and 12 claims (above Sunset Adit) by Pyramid Mining Co. Ltd. *(BCDM, 1969)*. A number of proposed holes and claim locations are shown in the assessment records *(Baird, 1968)*, so approximate locations can be inferred and are shown in Figures 2, 8, 9 and 13.

The results and specifications of the 1973 drill program on the Old Tom showing could not be found but the hole location was documented in the 1978 drill report *(Allen, 1972)* and was possibly located in the field in 2008. No record of or hole locations from the 1974 BQ diamond drill program on Deny South by Maharaja Minerals could be located *(Kikuchi, 1981)*. Although there are a number of references to small drill programs on the Marmot in 1975 and 1978 by Maharaja Minerals, there is no documentation of this work either.

The following drill specifications have been obtained from assessment reports and by location in the field in 2008-2009. Locations are shown in Figures 6 to 14 with some shown in Figure 2.

TABLE 4: Drill hole specifications

DDH	Target	UTM Nad 83,	Zone 9	Elev.	Az.	Dip	Depth
No.	Showing	Northing	Easting	(m)	(°)	(°)	(m)
67-4*	Duchess	6036804	600340	1512	-	-90	
68L-1 or -2	Loring	6041460	622275				50?
68L-3	Loring	6041252	621975		260	-45	40
68L-4**t	Loring	6041252	621975	1393	260	-45	65
68N-1*	War Eagle Py	6034842	604202	1409	070	-70	deep
69RS1*	Deny N	6037421	619924	1974	295		10.8
69RS2	Deny N				295		12.2
69RS3	Deny N				310		4.6
69D1	NE Deny S				235		
69D1A	NE Deny S	same as	69D1		088		
69D2	NE Deny S				100		
69D3	NE Deny S				090		
68-1*	Fly	6038983	618280	1615	-	-90	short
68-2*	Fly	6038983	618280	1615	030	-45	short
70-1*	Fly	6039456	618317	1813			233.2
70-2*	Fly	6039677	618344	1920			155.45
70-3*	Fly	6039677	618344	1920			88.85
73-1*	Old Tom	6045210	622760	1120			
78-1**	Crater	6043121	621051	1620			
78-2** t	Crater	6042904	621179	1670			
78-1*	Old Tom	6045176	622792	1138	050	+30	59.7

78-2*	Old Tom	6045176	622792	1138	050	-80	122.5
LF90CH01*	Ant	6027867	598749	1463	307	-45	152.4
LF90CH02*	Ant	6027867	598749	1463	115	-45	152.4
LF90CH03*	Ant	6027899	598711	1493	295	-45	149.4
LF90CH04*	Ant	6028017	598771	1457	120	-45	201.2
LF90CH05*	Ant	6028061	598959	1378	115	-45	140.2
LF90CH06*	Ant	6028092	598880	1414	115	-45	148.7
LF90CH07*	Ant	6028167	598940	1372	115	-45	145.0

* denotes collar located in 2008; ** denotes collar located in 2009
t denotes 68L-3 or 68-4 collar; ŧ denotes final DDH as indicated by pilot, no evidence remains

Although at least six holes were reported *(Preto, 1967)* only 99.7m of drilling in four holes is documented on the Duchess prospect *(Price, 1983)*. Holes 67-1 to -3, with northwest azimuths, did not intersect the vein due to offset along a 050º/45ºSW fault *(BCDM, 1969)*. Hole 67-4 is thought to be a vertical hole near the upper adit portal *(Price, 1983)*. Results are shown in Table 5.

Four holes were reportedly drilled by Falconbridge in 1968 on their Lava claims which covered the Loring and Lava showings *(BCDM, 1969, p 129)*. Two of the holes were drilled on the Loring showing (Slump Block) and referred to in a subsequent assessment report (*McAndrew et. al., 1973)*. A gossan zone, 100 meters east of the main Loring showing, containing significant amounts of epidote, iron oxide, pyrite, magnetite, minor chalcopyrite and malachite was also drilled, reportedly averaging 0.3% Cu *(Kikuchi, 1981)*. The approximate location is shown on Figure 2 but drill specifications and assay results could not be located.

The results and specifications of the 1978 drill program on the Old Tom showing is documented and drill holes located in the field in 2008. Significant results are summarized in Table 5 *(Allen, 1972)*. The details and results of the drill program on the Ant prospect are also documented *(Hanson, 1991)* with only low order anomalous results obtained which are summarized in Table 5.

TABLE 5: Significant drill results

Showing Name	DDH No.	From (m)	To (m)	Interval (m)	Cu (%)	Ag (g/t)	Au (g/t)
Duchess	67-4	top	bottom	15.8	2.95	45.26	-
	including	top		3.05	11.8	202.29	-
War Eagle Py	68-N1	51.82	54.87	3.05	trace	17.14	24.0
	and	109.73	112.78	3.05	trace	30.17	9.43
Old Tom	78-1	5.3	6.3	1.0	0.41	8.91	low
	and	17.7	19.6	1.9	0.16	3.09	low
Old Tom	78-2	3.0	6.0	3.0	0.68	18.17	0.96
	and	90.5	92.32	1.82	minor	low	low
Ant	LF90CH04	89.3	139.3	50.0			
Ant	including			10.4	0.25	6.3 g/t	low
Ant	LF90CH05	20.1	23.6	3.5	0.65	44 g/t	0.32 g/t

The one hole drilled on the War Eagle Pyrite zone, which was located in 2008, reportedly intersected typical porphyry style alteration but no significant results *(Sharp, 1970)*. However, in 2009 unpublished previous data was uncovered for a single diamond drill hole on the War Eagle showing indicating results of 24.0 and 9.43 g/t Au over 10 feet, which

had not been followed up *(Cuttle, 1990a)*. At the War Eagle stock copper-silver mineralization occurs peripheral to a porphyry intrusion as is the case at the Huckleberry Mine.

There is no documentation of the results from the two Fly drill programs, but locations were shown in assessment records and subsequent representative sampling of the 1970 core on site indicated low order anomalous values *(Allen, 1981)*.

16.0 ADJACENT PROPERTIES

The 677 ha Santa Maria property, tenure number 512882, is contained within the northwest El Toro Project area. The tenure covers the past producing Santa Maria mine, Minfile number 093L 063, and is owned by Bearclaw Capital Corp. Claims are valid to March, 2016 *(http://www.mtonline.gov.bc.ca)*. In 1917 217 tonnes of ore was produced from the Santa Maria mine recovering 69,422 g Ag and 33,203 kg Cu. Recent work has included some drilling. The Santa Maria covers a 330º/SW vein system over a 75-90m width, associated with felsic dykes, and has been traced for 520m on strike *(Preto, 1967)*.

Another property, tenure numbers 589404-409, adjoins the southeastern portion of the El Toro Project, covering the Erin and part of the B showings, Minfile numbers 093L 298 and 093L 048. The 245 ha property is owned by Kelly Funk of Nanaimo. Copper-silver with local gold values are associated with bornite, chalcopyrite, tetrahedrite, chalcocite in quartz veins, stringers and as disseminated to massive patches within the andesite *(British Columbia Minfile, 2008)*.

17.0 MINERAL PROCESSING AND METALLURGICAL TESTING

The El Toro property is at an early exploration stage and no metallurgical testing has been carried out.

18.0 RESOURCE AND MINERAL RESERVE ESTIMATES

There has not been sufficient drilling on the El Toro property to undertake a resource calculation or to delineate the limits of mineralization in any direction.

19.0 OTHER RELEVANT DATA AND INFORMATION

To the author’s knowledge, there is no additional information or explanation necessary to make this technical report understandable and not misleading.

20.0 INTERPRETATION AND CONCLUSIONS

There is good potential on the 33,565 ha El Toro Project to discover a subvolcanic copper-gold-silver (arsenic, antimony) deposit similar to Equity Silver, 60 km to the southeast, which produced 33.8 million tonnes of 0.4% copper, 64.9 g/t Ag, and 0.46 g/t Au based on the abundance of mineral showings of this type on the property, significant previous results, and lack of recent systematic exploration. There is also potential for the discovery of a calc-alkaline porphyry copper±molybdenum±gold(silver) deposit based on the abundance of stocks and small plugs of the Bulkley plutonic suite across the property, which hosts the Huckleberry Mine, four of which are known to exhibit porphyry style alteration and/or mineralization. Only 3800 metres of diamond drilling in approximately 60 holes has been completed within the project area, 1100m in 7 holes of which tested the Ant showing (one of 36 Minfile occurrences on the property).

Combined production from the King and Rainbow mines between 1914 and 1962 totaled 293.5 tonnes producing 8,533g Au, 294,905g Ag, and 44,357 kg copper. In 1914 38 tonnes of ore was shipped from the Colorado mine recovering 155,515 g Ag and 2722 kg Cu. In Hankin Basin along Loring Creek, copper-silver±gold mineralization occurs in permeable horizons within andesite tuffs. At the Loring showing three mineralized horizons, up to 1.5m wide, occur within a 20m wide zone with previous assays averaging 65.14 g/t Ag with 0.45 to 3.12% Cu. The average assay from previous chip sampling a 24.3m cliff section on the Marmot showing is 4.3% Cu and 109.71 g/t Ag. The Friendly Vein in Dominion Basin yielded an average of 70.2 g/t Ag and 2.21 g/t Au along 8.5m of the vein. Previous diamond drill results from the Duchess prospect in Howson Basin include 2.9% Cu and 45.26 g/t Ag over 15.8, including 11.8% Cu and 202.3 g/t Ag over 3.05m from hole 67-4, but true width is not known.

Four stocks of the Bulkley plutonic suite with calc-alkaline porphyry copper ±molybdenum±gold(silver) potential were identified, the Sunsets, MSJ, War Eagle and Loljuh stocks. Insufficient work has been undertaken to evaluate them. The Huckleberry Mine, 70 km south of the El Toro Project, is an example of this deposit type and is associated with a stock of the Late Cretaceous Bulkley plutonic suite. Drilling of the Ant epithermal showing in 1990 did not intersect significant mineralization but, based on results from the Lefty, potential exists to uncover gold-silver±copper epithermal veins, and stockwork mineralization in this area.

The 2009 program identified additional copper-silver-gold vein mineralization in Hunter's Basin, additional strataform mineralization in Loring Creek, 3 km upstream of mineralization located in 2008 (indicating potential for the discovery of a subvolcanic copper-gold-silver deposit similar to Equity Silver). Significant porphyry copper-molybdenum mineralization was found to be associated with the Loljuh stock, and a favourable copper, gold, molybdenum ±silver MMI soil geochemical signature, associated with a chargeability high anomaly in a favourable geological setting for the discovery of a porphyry copper-gold-molybdenum deposit, was outlined at the MSJ stock. A previous DDH record was uncovered from the War Eagle Pyrite showing indicating results of 24.0 and 9.43 g/t Au, each over 3.05m, which had not been followed up.

In Hunter's Basin 2.1% Cu with 9.85 g/t Au and 104 g/t Ag were obtained over 1m from the Rainbow past producer and 5.5% Cu, with 1.34 g/t Au, 144 g/t Ag and 2.98% Zn from a 2m by 1m panel sample west of the main King workings, with a grab sample from the King past producing mine dump returning 12.4% Cu, 16.8 g/t Au and 1240 g/t Ag. The Idaho shaft was located, with a grab sample from the shaft dump returning 7.8% Cu, 2.65 g/t Au and 126 g/t Ag, and 3.3% Cu, 5.39 g/t Au and 380 g/t Ag over 0.75m was obtained from the Mohock showing. In upper Loring Creek results of 1.0 to 3.0 % Cu, 0.12 to 2.25 g/t Au and 54.3 to 164 g/t Ag were obtained from three chip samples of strataform mineralization, and 12.8% Cu, 0.66 g/t Au and 204 g/t Ag over 0.5m from a crosscutting zone. At the Loljuh stock initial and limited reconnaissance returned maximum values of 0.35% Cu over 1m from a chip sample, and 453 ppm Cu and 156 ppm Mo in soil.

Previous production records and 2008 sampling (6.51% Cu, 4.65 g/t Au and 202 g/t Ag over 0.5m from the King Vein with 36.5% Cu, 155 g/t Au and 2306 g/t Ag from a grab sample) indicate high grade copper-gold-silver vein type mineralization from the south side of Hunter Basin. Geophysical surveys and observed lineaments and a gossan, suggest continuity to the hosting structure of the King Vein. There does not appear to have been significant drilling to test the structures. The Rainbow and King Veins have potential to host similar mineralization along strike and down dip.

The Hankin Basin area has potential for possible bulk tonnage and local high grade copper-silver-gold mineralization with significant similarities to the past producing Equity Silver mine. Mineralization, traced for 5 km along strike and 2 km along dip, occurs in permeable horizons within andesite tuffs and in cross fractures and stockwork-breccia zones.

In Dominion Basin a significant quartz sulphide vein is exposed for 15m in the Friendly Trench returning 9.52 g/t Au, 180 g/t Ag, 1.68% Cu, 15.7% Zn and 0.95% Pb across 1.0m in 2008. There does not appear to have been extensive work in this area to trace the vein and additional veins are suggested by the discovery of gold-bearing quartz carbonate float in upper Hankin Basin *(Jamieson, 1991a)*.

Although mineralization was locally restricted at the Duchess prospect due to late faults, there is significant potential along strike of the persistent, 4.2 km long Princess-Duchess-Countess-Silver Heels structure.

Previous porphyry copper±molybdenum±gold(silver) exploration in the Sunsets stock focussed on the phyllic alteration zones, but previous soil sampling and continued exploration in 2008 has indicated better grades peripheral to these zones. At the War Eagle stock copper-silver mineralization occurs peripheral to the intrusion as is the case at the Huckleberry Mine. High grade copper-silver mineralization is associated with felsic dykes peripheral to the poorly exposed MSJ stock and similar mineralization is associated with felsic dykes at the Joker Ridge quartz-pyrite zone and possibly related high grade Duchess copper-silver vein prospect in the Howson Basin area. The dykes may be related to mineralized stocks, the MSJ stock in the former case and a near surface buried intrusion at Joker Ridge. A mineralized dyke is also documented at the Pete showing in the Houston Tommy Creek area, outboard of the Loljuh stock.

21.0 RECOMMENDATIONS

Additional mapping and sampling is warranted in south Hunter, Hankin, Sunsets, Dominion and Howson Basins and at the MSJ, Loljuh and War Eagle stocks. The Hunter developed prospect in north Hunter Basin should also be examined.

The high grade quartz-sulphide mineralization at south Hunter Basin and the Princess-Duchess-Countess-Silver Heels structure can be traced by electromagnetic geophysics surveys. HLEM may be necessary due to the topographic variance with VLF-EM. Initially the survey can be tested over known mineralization and, if effective, completed over the strike extensions. An attempt should be made to trace the gold intersections from the War Eagle Pyrite showing DDH, by mapping, detailed prospecting and possibly geophysics.

Induced polarization geophysics is recommended over the MSJ stock. Detailed soil/talus fine sampling should be undertaken in Sunsets Basin, followed by induced polarization geophysics to delineate drill targets. Soil sampling is recommended over the Loljuh stock to determine the extent of mineralization and an attempt should be made to locate the 1967 diamond drill core.

An initial Phase 1 exploration program consisting of mapping, detailed prospecting and sampling, with select conventional soil and geophysical surveys, is recommended on the El Toro Project at a cost of $250,000 in order to delineate drill targets. Phase 1 should be followed up by a 2,500m diamond drill program in Phase 2, with priority targets in Hankin Basin, Sunsets stock and the MSJ stock, at an estimated cost of $500,000. The detailed budget is summarized below.

Phase 1: mapping, prospecting, geochemistry ,geophysics

• geology wages (30 man days)	$20,000
• wages (geochemistry contractors, including data processing)	38,000
• groceries and meals	15,000
• geochemistry (300 rocks @ $30/ea, 1500 soils @ $25/ea, shipping)	38,000
• transportation (trucks, ATVs, fuel)	10,000
• helicopter	45,000
• IP, HLEM geophysics	55,000
• preparation, report and drafting	15,000
• contingency and miscellaneous (communication, mob, demob)	15,000
TOTAL:	**$250,000**
Phase 2: diamond drilling	**$500,000**
TOTAL of Phases 1 & 2	**$750,000**

Respectfully submitted,

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April 30, 2009

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23.0 CERTIFICATE, DATE AND SIGNATURE

1) I, Jean Marie Pautler of 103-108 Elliott Street, Whitehorse, Yukon Territory am self-employed as a consultant geologist, authored and am responsible for this report entitled “Geological and geochemical assessment report on the El Toro Project”, dated April 30, 2009.

2) I am a graduate of Laurentian University, Sudbury, Ontario with an Honours B.Sc. degree in geology (May, 1980) and 30 years mineral exploration experience in the North American Cordillera. Pertinent experience includes the acquisition and delineation of the Tsacha epithermal gold deposit, British Columbia and the evaluation of various deposit types including porphyry, subvolcanic and redbed copper for Teck Exploration Limited, and drilling the Brenda gold-copper porphyry property in the Kemess Camp for Northgate Exploration Limited.

3) I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC Registration Number 19804).

4) I have visited the subject mining property of this report and am a “Qualified Person” in the context of and have read and understand National Instrument 43-101 and the Companion Policy to NI 43-101.

5) This report is based upon work conducted on the project area between August 16 and September 23, 2009, and a review of pertinent data.

6) As stated in this report, in my professional opinion the property is of potential merit and further exploration work is justified.

7) As of the date of this report I am not aware of material facts that are not reflected in this report by written inclusion or reference.

8) I do not have any agreement, arrangement or understanding with Lions Gate Energy Inc. and any affiliated company to be or become an insider, associate or employee.

9) I do not own securities in Lions Gate Energy Inc. and my professional relationship with Lions Gate Energy Inc. is at arm’s length as an independent consultant, and I have no expectation that the relationship will change.

Dated at Whitehorse, Yukon Territory this 30th day of April, 2009.

“Signed and Sealed”

_____

Jean Pautler, P.Geo. (APEGBC Reg. No. 19804)
JP Exploration Services Inc.
#103-108 Elliott St
Whitehorse, Yukon Y1A 6C4

24.0 APPENDICES

APPENDIX I

Statement of Claims

(http://www.mtonline.gov.bc.ca)

Tenure Number	Claim Name	Owner Number	Issue Date	Good To Date	Area (ha)
525417	BULL	144284 (100%)	2006/jan/14	2011/nov/27	450.474
554953	THE HOOF	144284 (100%)	2007/mar/24	2011/nov/27	621.821
554956	EL TORRO 33	144284 (100%)	2007/mar/24	2011/nov/27	939.781
554994	R EYE	144284 (100%)	2007/mar/25	2011/nov/27	3003.585
554998	MOUTH	144284 (100%)	2007/mar/25	2011/nov/27	2799.986
554999	TAIL	144284 (100%)	2007/mar/25	2011/nov/27	2818.634
555000	CHEST	144284 (100%)	2007/mar/25	2011/nov/27	3291.951
555001	GUTS	144284 (100%)	2007/mar/25	2011/nov/27	3760.121
555002	BELLY	144284 (100%)	2007/mar/25	2011/nov/27	2634.6712
555003	REAR LEGS	144284 (100%)	2007/mar/25	2011/nov/27	3499.407
555004	EAR & HORNS	144284 (100%)	2007/mar/25	2011/nov/27	1989.799
555005	FRONT LEG	144284 (100%)	2007/mar/25	2011/nov/27	2334.945
567390	STARR 01	144284 (100%)	2007/oct/03	2011/nov/27	470.5269
567391	STARR 02	144284 (100%)	2007/oct/03	2011/nov/27	470.5024
567601	MO - 01	144284 (100%)	2007/oct/06	2011/nov/27	470.6883
567602	MO - 02	144284 (100%)	2007/oct/06	2011/nov/27	470.6905
567603	MO - 03	144284 (100%)	2007/oct/06	2011/nov/27	470.404
567604	MO - 04	144284 (100%)	2007/oct/06	2011/nov/27	470.6835
567605	MO - 05	144284 (100%)	2007/oct/06	2011/nov/27	470.8162
567606	MO - 06	144284 (100%)	2007/oct/06	2011/nov/27	470.9044
592347	PRINCESS1	144284 (100%)	2008/oct/01	2011/nov/27	470.1239
592348	PRINCESS2	144284 (100%)	2008/oct/01	2011/nov/27	413.9032
592349	PRINCESS3	144284 (100%)	2008/oct/01	2011/nov/27	319.8904
592351	PRINCESS4	144284 (100%)	2008/oct/01	2011/nov/27	451.3433
602408	LOLJUH 1	144284 (100%)	2009/apr/10	2011/nov/27	451.8834
602409	LOLJUH 2	144284 (100%)	2009/apr/10	2011/nov/27	338.9134
TOTAL:	**26 claims**				**34,356.449**

Owner No. 144284: Lions Gate Energy Inc.

APPENDIX II

Sample Descriptions and Results

EL TORO PROJECT, YT
2009 SAMPLE DESCRIPTIONS AND RESULTS

Au, Ag in red by assay in g/t

Cu, Zn in red in %

SAMPLE	GENERAL	NAD 83, ZONE 9		ELEV.			Cu	Au	Ag	As	Other
NUMBER	LOCATION	EASTING	NORTHING	(ft)	TYPE	DESCRIPTION	ppm	ppb	ppm	ppm	ppm
13501	Rainbow	618046	6042951	5809	Rock Grab	malachite, azurite, magnetite, chalcopyrite, chalcocite, pyrite, bornite with silica on randomly oriented fractures in carbonate altered andesite tuff from dump of possible caved gopher hole	5.25	680	206	<5	755 Zn 41 Mo
13502	Rainbow	618088	6042979	5843	Rock Grab	main fracture trending 65/80S with epidote, specularite, malachite, chalcopyrite, chalcocite, weak magnetite, trace bornite; bedding 030/55E	8.65	6.55	1000	15	
13503	Rainbow	618039	6042921	5841	1m chip	quartz stringer stockwork, part of horizon trending 005/40E, epidote, specularite on fractures, chalcopyrite, malachite, Mn stain, strong magnetite and local strong silicification	2.1	9.85	104	25	468 Zn
13504	King	618103	6042654	5979	Rock Grab	quartz breccia veinlets, mineralized tuff with bornite, chalcopyrite, epidote specularite, sparse malachite, strong magnetite, from mine dump	12.4	16.8	1240	80	1.38 Zn 56 Mo
13505	West King	617993	6042555	6205	0.6m chip	vertical seam @ 75° with slight dip S, Mn, malachite, chalcopyrite, chalcocite, intense silicification and much magnetite	7711	2.56	15.3	<5	1822 Zn
13506	West King	617978	6042537	1913	2m chip	2m x 1m panel (mineralized zone), controlled by 020°/steep W fractures, also 80/75S fractures, malachite, chlorite, epidote, some Mn, with much chalcopyrite, altered +/- weak rust	5.3	1.34	144	<5	2.98 Zn
13507	King trench	618231	6042630	6057	1.2m chip	vein 070/80S with malachite, chalcocite, sphalerite, some silicification	2.4	305	164	<5	3.45 Zn
13508	Upper Loring	622137	6041131	4872	2m chip	basaltic host, just outside hornfels, rusty malachite stained horizon, malachite, chalcopyrite, pyrite, epidote altered, old ribbon=BD1371R1	1.45	185	54.3	10	63 Mo
13509	Upper Loring	621894	6041172	4723	Rock Grab	middle of 3 horizons on slump block, malachite, epidote, chalcopyrite, pyrite	3.05	135	108	15	
13510	Upper Loring	622014	6041248	4701	1m chip	malachite, chalcopyrite, pyrite, epidote, slight Mn, from gopher hole face, old ribbon=MS-90-70	1.00	115	60.5	25	555 Zn
13511	Upper Loring	622096	6041645	4666	0.5m chip	chalcopyrite, malachite, pyrite, epidote, no magnetite, related to horizontal controlling fracture set, massive chalcopyrite veinlet parallels the zone on western cliffs, related to 60/70SE fracture set, rhyodacite dyke trend 150/steep NE	3.00	2.25	164	25	
13512	Upper Loring	622273	6041931	4218	0.5m chip	fracture vein in cliff, 130/80N, massive chalcopyrite, scant malachite, epidote, pyrite, limonite, no magnetite, but locally there is magnetite	12.8	655	204	<5	
13513	Idaho shaft	618910	6043857	5274	Rock Grab	bleached, sericite altered, drusy quartz veinlets (to few cm wide) with blebby chalcopyrite, +/- bornite, chalcocite, malachite, +/- malachite xls, Cu wad in amygdaloidal andesite host	3.30	1.19	46.5	20	44 Mo
13514	Idaho shaft	618911	6043858	5276	Rock Grab	chalcopyrite +/- bornite, chalcocite, Cu wad, malachite stockwork with veinlets to 2-3 cm wide in andesite amyg +/- limonite altered	7.78	2.65	126	5	37 Mo
13515	Mohock	618443	6043256	5220	0.75m chip	chalcopyrite, bornite in veinlets, along fractures and in pillow tops in pillow basalt, as breccia and replacing fragments, also in parallel vnlets trending 070/45N, from zone above adit	3.30	5.39	380	600	287 Zn

EL TORO PROJECT, YT
2009 SAMPLE DESCRIPTIONS AND RESULTS

Au, Ag in red by assay in g/t
Cu, Zn in red in %

SAMPLE	GENERAL	NAD 83, ZONE 9		ELEV.			Cu	Au	Ag	As	Other
NUMBER	LOCATION	EASTING	NORTHING	(ft)	TYPE	DESCRIPTION	ppm	ppb	ppm	ppm	ppm
S13516	N Crater Lake	621602	6044077	4583	Soil	N Crater Lake, near L-3 EM anomaly (W side of creek). medium brown (bit reddish) B 30 cm, rhyolite dyke fragments	13	5	<0.2	15	9 Mo
S13517	N Crater Lake	621613	6044199	4432	Soil	N Crater Lake, above L-3 EM anomaly, medium brown (bit brick red) B horizon, 35-40 cm depth, fragments of andesite tuff +/- weak rusty blebs	17	5	<0.2	15	3 Mo
S13518	N Crater Lake	621596	6044329	4298	Soil	above L-3 EM anomaly, medium brown B, 25 cm depth, amygdaloidal basalt-andesite fragments	18	5	0.4	5	1 Mo
L13519	N Crater Lake	621510	6044421	4167	Silt	fine muddy silt from mod flowing seep from swampy area draining EM anom. EM due to swamp or swamp due to sulphide?	88	5	0.6	55	4 Mo
S13520	N Crater Lake	622152	6044488	4252	Soil	L-2 EM anomaly, from below windfall, medium brown B 25 cm, area not swampy but looks like old bed from seep/runoff (now dry with pools)	52	5	0.5	10	<1 Mo
S13521	N Crater Lake	622152	6044563	4272	Soil	below L-2 EM anomaly, medium brown B, 30-35 cm depth, andesite fragments	16	5	0.4	10	<1 Mo
13522	Loljuh	619034	6030323	5915	1m chip	fine disseminated pyrite, in quartz-diorite to granodiorite?? intrusive cutting sedimentary rocks (volcaniclastic) +/- trace chalcopyrite	3513	50	6.3	<5	8 Mo
13523	Loljuh	619247	6030300	5269	Rock Grab	pyritic hornfels +/- zones with chalcopyrite	1959	170	5.8	<5	5 Mo
S13524	Loljuh	619312	6029919	5392	Soil	orange-brown B-C talus fines near contact with coarse grained granodiorite and volcaniclastic sedimentary rocks above	33	5	<0.2	5	1 Mo
S13525	Loljuh	619298	6029889	5226	Soil	yellow B-C, much angular intrusive fragments	74	5	<0.2	20	1 Mo
13526	Loljuh	618813	6029978	5383	Rock Grab	minor pyrite, trace chalcopyrite in granodiorite to quartz-diorite intrusion, rusty weathering, patchy mineralization	100	15	0.2	<5	36 Mo
S13527	Loljuh	618848	6029918	5269	Soil	very orange C, 25 cm depth, angular fragments of intrusive rock, next to 13528	453	5	0.2	25	9 Mo
13528	Loljuh	618848	6029918	5269	Rock Grab	1% chalcopyrite with less malachite (malachite coats cp), 3 % pyrite as disseminations and aggregates in granodiorite?, some magnetite	3392	35	3.5	<5	21 Mo
13529	Loljuh	618860	6029887	5240	Rock Grab	rusty intrusive outcrop with 3% pyrite, chalcopyrite	490	15	0.3	<5	6 Mo
13530	Loljuh	618866	6029859	5226	Rock Grab	intrusive with drusy quartz veinlets +/- pyrite, and Mn	76	10	<0.2	5	123 Mo
13531	Loljuh	618856	6029800	5121	Rock Grab	composite grab across 15m from rusty outcrop with minor chalcopyrite and pyrite	765	15	0.4	<5	5 Mo
13532	Loljuh	618694	6029789	5168	Rock Grab	composite grab of rep mineralization with 2% dissem pyrite, minor chalcopyrite (< 0.5%) and trace malachite	310	15	0.4	<5	<1 Mo
13533	Loljuh	618682	6029814	5190	Rock Grab	aphanitic intrusive (chilled margin?) with ~1% chalcopyrite, also pyrite	87	15	<0.2	<5	<1 Mo
13534	Loljuh	618639	6029956	5400	Rock Grab	minor chalcopyrite in medium grained pink phase ?? intrusion, <0.5% chalcopyrite, no pyrite	265	5	0.3	<5	9 Mo
S13535	Loljuh	618499	6029642	5039	Soil	light, very orange B-C, talus fines from rusty area of strongly pyritic intrusives, old tin can	35	5	0.2	<5	156 Mo

EL TORO PROJECT, YT
2009 SAMPLE DESCRIPTIONS AND RESULTS

Au, Ag in red by assay in g/t
Cu, Zn in red in %

SAMPLE	GENERAL	NAD 83, ZONE 9		ELEV.			Cu	Au	Ag	As	Other
NUMBER	LOCATION	EASTING	NORTHING	(ft)	TYPE	DESCRIPTION	ppm	ppb	ppm	ppm	ppm
S13536	MSJ	603759	6031469	3724	Soil	south slope near confluence, medium brown B, 20 cm depth, rounded and angular fragments of volcanic?	58	15	0.3	10	3 Mo
13537	MSJ	603357	6030899	4472	Rock Grab	minor malachite/azurite, 1-2% pyrite, trace chalcopyrite, in andesite volcanics as talus below cliffs	708	25	3.2	<5	491 Zn
S13538	MSJ	603158	6030912	3737	Soil	medium brown (reddish) B above rhyolite quartz feldspar porphyry dyke	35	5	0.6	15	199 Zn
13539	MSJ	603408	6030731		Rock Grab	pyrite/Mn gouge in rusty seam, ~040/80NW, 10 cm wide hosted by very siliceous, fine-grained white volcanic	891	45	5.7	160	<1 Mo
13540	MSJ	603462	6030831	4456	Rock Grab	silica breccia in rhyolite dyke with minor pyrite, 095/50S	5	5	0.2	<5	<1 Mo
13541	MSJ	603462	6030836	4450	Rock Grab	1m+ zone of parallel grey quartz veinlets 2-3 cm in rhyolite dyke trend 045/70NW	5	10	<0.2	5	<1 Mo
13542	Wolverine area	598141	6028373	5217	Rock Grab	rhyolite fragmental with qtz str stwk, +/- dissem py in host, +/- Mn stain on margins of strs.	37	30	1.2	5	402 Zn
13543	Wolverine area	598147	6028381	5217	0.2m chip	quartz breccia vein +/- bit rusty (NVS), @ 075°/vertical.	28	20	1.1	5	895 Zn
13544	Wolverine area	598143	6028382	5203	Rock Grab	local angular float, quartz-carbonate stockwork in sericite altered rhyolite fragmental, trace chalcopyrite, minor malachite, boxwork texture due to weathered carbonate	1879	120	12.5	135	1.84 Zn 2540 Pb
13545	Wolverine area	598201	6028506	5144	Rock Grab	local float (5+ pieces up to 15x20 cm within 3m2 of quartz stringer stockwork with minor chalcopyrite, malachite, andesite host	1741	140	32.6	10	373 Zn 862 Pb
13546	Wolverine area	598209	6028494	5150	Rock Grab	fine cubes of pyrite in silicified latite, ~7% pyrite, +/- quartz stringers, rust, Mn stain.	21	25	0.8	<5	622 Zn
13547	Wolverine area	598206	6028567	5118	1.5m chip	shear zone trending 055/85SE in pink andesite feldspar porphyry flow to subvolcanic host, +/- calcite	6447	165	30.3	55	9202 Zn 17 Mo 1550 Pb
M13548	Starr Creek	598633	6031664	3862	Moss Mat	moderate flow, 50 cm creek draining magnetic low, moss mat from boulders in creek, moderate silt	58	<5	0.4	25	276 Zn
13549	Starr Creek	598540	6032168	3990	Rock Chip	subrounded creek float, orange trachytic volcanic, moderate-strong silicification with quartz stringer stockwork, similar volcanics as outcrop in canyon	11	65	0.2	15	<1 Mo

El TORO PROJECT, BC
2008 ROCK SAMPLE DESCRIPTIONS AND RESULTS

Au in red in g/t

Cu, Pb, Zn, Mo in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 9 NORTHING	ELEV. (m)	TYPE	DESCRIPTION	Cu ppm	Au ppb	Ag ppm	As ppm	Other ppm	Mo ppm
14470	Ant 1	598760	6027744	1530	grab	from centre of 6m wide gossanous quartz stockwork zone with fine disseminated pyrite in silicified volcanic/volcaniclastic, trace galena, chalcopyrite, sphalerite, manganese & limonite staining, beside qfp felsic dyke, fractures trend 060/75SE	419	220	3.2	155	2253Zn	7
14471	Ant 1	598760	6027744	1530	3m chip	chip from above	251	95	2.2	70	1122Zn	4
14472	Ant 1	598804	6027825	1525	grab	pink felsite or felsic volcanic with fine sphalerite, weak malachite, CuSo4, in less altered zone along strike of above; same zone or another one?	841	35	28.2	95	1.47 Zn	39
14473	Lefty	596312	6027045	1746	grab	rusty silicified andesite host for 14473, minor quartz stockwork, fine pyrite, less chalcopyrite, proximal to ferrocrete	2992	165	2.1	40		20
14474	Lefty	596314	6027048	1749	grab	drusy quartz vein up to 10 cm with fine pyrite, limonite knots and on fractures, from subcrop, chalcopyrite	355	910	8.1	105		11
14475	Lefty	596273	6027084	1744	0.5m chip	20 cm quartz vein, trending N/60W with adjacent stockwork/il zone, minor fine pyrite	41	1.68	1.5	20		29
14476	Lefty	596297	6027177	1728	1.5m chip	hanging wall of 14477 stockwork zone, malachite stained, with vuggy quartz and chalcedony in silicified andesite with fine pyrite, minor chalcopyrite with much manganese crusting, botryoidal texture	6886	4.96	2.4	<5		3
14477	Lefty	596301	6027176	1728	1.5m chip	1-1.5m wide 000-010/70W trending malachite stained, quartz stockwork-breccia zone with fine quartz stringers and chalcedony and strongly silicified andesite with fine pyrite, minor chalcopyrite, sphalerite? with much manganese crusting	2065	2.09	1.4	<5	1493Zn	11
14478	Lefty	596317	6027177	1729	grab	drusy quartz vein with limonite boxwork, trending 020/75W, in intensely silicified andesite with 5% pyrite	66	45	0.3	<5		28
14479	Del	622047	6027527	1748	grab	malachite in quartz in epidote matrix, from trench	1395	20	1.2	10		<1
14480	Del	622012	6027376	1756	grab	separate trench, trace malachite in quartz stockwork in chalky epidote altered andesite	335	10	0.6	5		<1
14481	Fog	619747	6038987	1838	1m chip	phyllic (QSP) altered quartz monzonite with 2-3% fine disseminated pyrite, minor chalcopyrite, trace malachite on fractures, associated with 335/85NE fractures, Zone 2?	830	10	0.8	<5		5
14482	Fog	619740	6038997	1844	1m chip	subcrop/outcrop of strongly silicified with disseminated chalcopyrite and on 335/85NE fractures, also chalcopyrite noted between 14481 and 14482	562	5	1.0	<5		43
14483	Fog	619741	6038995	1844	grab	2 cm quartz veinlets, malachite on fractures, disseminated chalcopyrite, trace molybdenite?	2605	40	8.5	100		42
14484	Fog	619745	6038990	1842	0.7m chip	crumbly yellow weathering quartz monzonite with rusty fractures, 3% pyrite, trace chalcopyrite?, 060/80SE fractures	135	5	0.9	<5		19
14485	Fog	619688	6038951	1834	grab	very strong dark rusty subcrop, possible ferromolybdate?, 5% fine pyrite	231	5	0.8	<5		16
14486	Fog	619748	6038968	1835	grab	subcrop of phyllic (QSP) altered quartz monzonite with 2-3% fine disseminated pyrite, yellow oxide	29	10	0.7	<5		8
14487	Fog	618508	6039204	1699	grab	quartz-muscovite-pyrite (QSP) altered intrusion with 2 cm quartz-silica veinlet with pyrite, chalcopyrite, trace molybdenite, trend 060/55SE	9341	65	48.2	<5		134
14488	Fog	619743	6038989	1842	grab	subcrop of altered quartz monzonite, rusty fractures, subcrop/float	206	15	3.4	<5		57

El TORO PROJECT, BC
2008 ROCK SAMPLE DESCRIPTIONS AND RESULTS

Au in red in g/t

Cu, Pb, Zn, Mo in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 9 NORTHING	ELEV. (m)	TYPE	DESCRIPTION	Cu ppm	Au ppb	Ag ppm	As ppm	Other ppm	Mo ppm
14489	Glacis Basin	617545	6040184	1864	talus float	strong rusty, QSP (phyllic) altered monzonite	150	5	0.9	<5		3
14490	Glacis Basin	617564	6040157	1872	talus float	yellow weathering, siliceous vein? with pyrite, minor QSP alteration	44	<5	0.8	5		2
14491	Glacis Basin	617558	6040117	1888	talus float	7 cm vuggy, drusy quartz-pyrite vein, pyrite in vugs	344	5	3.6	120	580Sb	14
14492	Glacis Basin	617050	6039813	1830	talus float	quartz-silica-chalcopyrite-pyrite vein in quartz-biotite-pyrite intrusion, as talus below lone spire, GPS approximate, 250m at 200 rom wpt 186	5694	20	12.3	15		4
14493	Webster	618410	6040843	1824	felsen-mere	strongly silicified, sericite altered (volcanics?) with disseminated pyrite & pyrite in quartz stringers, near quartz feldspar porphyry dyke, from 50x30 cm felsenmere block	322	35	1.3	10		2
14494	Webster	619595	6040778	1732	felsen-mere	5% brown-black sphalerite, 5-7% pyrite in hornfelsed andesite as felsenmere below dark, rusty cliffs	497	20	0.8	<5	8.23Zn	142
14495	Webster	619557	6040746	1737	felsen-mere	rusty weathering andesite with 10% pyrite as disseminations and stringers, trace chalcopyrite	1241	10	1.1	<5		3
14496	Fly	618510	6039197	1705	old core	monzonite with pyrite, trace chalcopyrite as stringers, disseminations and fracture coatings, Farid sample = 10320	525	5	0.5	<5		14
14497	Fly	618510	6039197	1705	old core	pyrite, minor molybdenite on fractures in monzonite from 2 old core boxes, no markings, Farid sample = 10320	302	10	0.3	<5		410
14498	Fly	618487	6039523	1805	talus	vuggy qtz veins, some drusy, cutting phyllic altered monzonite (qsp), trace molybdenite?	257	75	54.2	85		42
14499	Fly	617962	6039252	1785	talus	Mn stained, 1-2 cm drusy quartz, trace tetrahedrite, cutting monzonite	2198	945	504	2440	5220Sb	3
14500	Fly	618329	6039330	1742		white clay altered monzonite, few % pyrite, some quartz stockwork	39	10	1.1	10		6
14501	Fly	618411	6039376	1753	grab	from gorge on creek, shows possible molybdenite=galena	1352	455	110	100	1200Pb	21
14502	Fly	618411	6039376	1753	grab	from gorge on creek, shows sulphide	376	15	1.2	10		12
14503	Deny North Friendly Trench	619991	6037438	1945	1.0m chip	high sulphide quartz-carbonate vein, vuggy, trend 000-005/35W, malachite/azurite or CuSo4 stain, sphalerite>>chalcopyrite>pyrite>galena, bedded epiclastic host	1.68	9.52	180	535	9520Pb 15.7Zn	201
14504	Deny North above Friendly	619939	6037419	1970	grab	silica-diopside-epidote-garnet skarn, trace malachite stain, minor chalcopyrite, sphalerite, magnetite, northerly trend, from 3m long Trench	1406	730	4.7	25		13
14505	Deny North above Friendly	619897 619940	6037403 6037421	1996 1974	grab	high magnetite, with diopside-epidote-garnet-silica skarn boulders	28	20	0.45	<5		7
14506	Princess	600478	6033997	1779	grab	quartz-carbonate vein, trend 030-/60W, chalcopyrite, malachite, CuSo4, hydrozincite, trace sphalerite in epidote-diopside-garnet skarn host	7142	25	5.4	35	9.71Zn	<1
14507	War Eagle Pyrite	604206	6034841	1409	grab	pyritized, Ksp altered intrusion with semi-massive, fine disseminated pyrite, trace molybdenum?	241	25	4.2	25		13
14508	War Eagle Pyrite	604206	6034841	1409	grab	highly pyritic, cloritized, hornfelsed volcanics near drill hole; chalcopyrite, pyrite	28	45	2.0	35		4
14509	War Eagle Pyrite	604206	6034841	1409	grab	high quartz-Ksp altered with dark chlorite, highly pyritized, some epidote, skarn?	40	60	2.4	125		5
14510	War Eagle N W	602976	6035512	1649	grab	strongly oxidized, vuggy quartz-limonite vein with 10% pyrite; some chalcopyrite, malachite, limonite and Mn on fractures	1.00	45	46.4	65		5
14511	War Eagle N W	603010	6035493	1648	grab	minor quartz-limonite vein with pyrite, specularite, chalcopyrite	5.01	25	87.8	<5	340Sb	94

El TORO PROJECT, BC
2008 ROCK SAMPLE DESCRIPTIONS AND RESULTS

Au in red in g/t

Cu, Pb, Zn, Mo in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 9 NORTHING	ELEV. (m)	TYPE	DESCRIPTION	Cu ppm	Au ppb	Ag ppm	As ppm	Other ppm	Mo ppm
14512	Joker Ridge	601401	6038033	1753	grab	rhyolite dyke/sill with quartz veinlets,some grey, trace pyrite, clay-sericite-pyrite altered host	130	55	0.5	<5		5
14513	Silver Heels E	600436	6038010	1850	grab	rusty quartz vein with chalcopyrite in andesite; above old tr, trend 025/75W	2.35	15	142	<5		18
14514	Silver Heels E	599471	6037987	1947	grab	quartz breccia with malachite, chalcopyrite in quartz; quartz fragments in andesite matrix	1.55	50	24.6	<5		50
14515	above Countess	600174	6037420	1887	grab	malachite, chalcopyrite, pyrite in silicified andesite, adjacent to dyke	2523	15	5.2	<5		17
14516	above Countess	600174	6037420	1887	grab	silicified andesite with minor galena, trace chalcopyrite, malachite, pyrite, specularite, adjacent to felsite dyke	817	35	6.3	15	2284Pb	2
14517	Countess	600288	6037206	1768	grab	quartz with chalcopyrite in volcanics, 005/80E, trench	5.27	85	69.9	<5		10
14518	Countess	600510	6036966	1603	grab	minor chalcopyrite throughout rusty altered volcanics	4631	10	9.1	<5	2846Pb 2830Zn	13
14519	Duchess	600280	6036918	1573	grab	rusty quartz with chalcopyrite in andesite and felsite from old pit	8482	20	90.2	<5		47
14520	Duchess	600280	6036918	1573	grab	chloritic andesite with chalcopyrite and malachite at same old pit	1.13	5	13.3	<5		15
14521	Duchess	600351	6036804	1512	2m chip	quartz vein and footwall chloritic andesite with chalcopyrite in quartz and disseminated chalcopyrite in andesite, from portal of adit	8159	20	22.5	200		102
14522	Duchess	600351	6036804	1512	grab	high grade chalcopyrite in chloritic andesite	7.91	35	100	<5		51
14523	War Eagle P	603795	6035304	1536	grab	chalcopyrite, malachite in quartz in silicified volcanics, trend 290/steep	1.32	105	31.6	15		6
14524	War Eagle P	604100	6035311	1520	float	angular quartz with chalcopyrite, specularite in area of andesite tuffs	6.74	180	99.8	50	3246Zn	<1
14525	War Eagle P	603886	6035252	1484	grab	highly pyritic silicified andesite, grey colour, ferricrete on top of (above) it	854	30	4.9	15		53
14526	War Eagle P	603999	6035207	1464	grab	rusty, silicified andesite tuff to lapilli tuff, disseminated pyrite and pyritized clasts, from cliffs	355	15	2.1	<5		<1
14527	War Eagle P	603847	6035278	1494	grab	chalcopyrite, pyrite and quartz in andesite, strongly associated with 330/55SW fracture set associated with lots pyrite and some clay	1.14	35	11.7	55		16
14528	War Eagle P	603795	6035307	1518	float	malachite stain and chalcocite in amygdaloidal? Andesite tuff, 5m downstream of 14523	7902	5	0.3	5		<1
14529	Hankin	622955	6044833	1215	1.2m chip	old 2m adit; abundant malachite stain locally, magnetite, chalcopyrite in silicified, epidote altered andesite, along bedding but locally cross cutting	8767	225	6.8	<5		12
14530	Hankin	622977	6044791	1201	grab	dark rusty andesite in hanging wall of rhyolite dyke, but follows bedding in andesite; chalcopyrite, epidote, quartz, magnetite, malachite	1.29	190	15.8	<5		374
14531	Hankin	622964	6044777	1218	grab	rusty, semi-massive chalcopyrite, some pyrite, in quartz-silica zone beside 050/50SE trending felsic dyke; trend 330/85SW, in two 30 cm wide zones 25 cm apart	6.53	1.74	108	<5		180
14532	Hankin	623062	6044564	1258	grab	red stained calc-silicate altered quartz-epidote with pyrite, chalcopyrite, malachite, local float	3.18	535	16.0	<5		47
14533	Hankin	623089	6044510	1291	1m chip	chalcopyrite-malachite-epidote-quartz-magnetite horizon 0.6-1m wide in andesite, with disseminated over 1.5-2m	9813	140	5.1	<5		0.072

El TORO PROJECT, BC
2008 SOIL SAMPLE DESCRIPTIONS AND RESULTS

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 9 NORTHING	ELEV.	DESCRIPTION	Cu ppm	Au ppb	Ag ppm	As ppm	Mo ppm	Pb ppm
S-BD01	Webster Basin	619036	6040554	1751	soil below talus slope, talus fines, C horizon	237	5	0.3	<5	18	32
S-BD02	Webster Basin	619567	6040804	1704	soil below talus slope, talus fines, C horizon	372	5	1.2	120	13	28
S-BD03	WarEagle	604055	6034893	1458	light orange, rusty gouge from 70/75NW fracture zone, fault zone, some breccia?, C horizon	121	20	1.9	<5	6	22
S-BD04	WarEagle	603993	6034883	1479	red orange clay, decomposed, C horizon	282	20	0.9	<5	15	18
S-BD05	WarEagle	603968	6034894	1488	red-yellow colour, B horizon	67	10	<0.2	105	17	36
W-S1	Webster Basin	618850	6040437	1768	light orange-brown talus fines, C horizon	173	5	0.7	<5	10	104
W-S2	Webster Basin	618878	6040459	1760	light orange-brown talus fines, C horizon	198	15	0.6	10	9	102
W-S3	Webster Basin	618936	6040502	1744	light orange-brown talus fines, C horizon	153	5	0.2	<5	21	44
W-S4	Webster Basin	618990	6040518	1782	light orange-brown talus fines, C horizon	231	5	0.2	<5	20	34
E-S5	Evening	599869	6038119	1970	red soil from northerly trending fracture zone in andesite, proximal to red, silicified pyritic andesite with quartz veinlets, some drusy, with specularite, trace chalcopyrite, C horizon	483	40	1.5	80	42	44
E-S6	Evening	599723	6038048	2016	rusty red fracture in andesite, northerly trending zone, 100 trending zone below, C horizon	1960	10	1.8	<5	14	54
E-S7	Evening	600092	6037461	1887	blood red soil in volcanics from northerly fracture, proximal minor quartz float , C horizon	434	5	1.4	75	41	20
E-S8	Evening	600214	6037401	1860	red-yellow soil in oxidized volcanics, B horizon	1070	35	8.7	465	33	820
WE-S9	War Eagle	603868	6035264	1485	rusty medium brown B-C, black oxidized chips, from south bank	1958	60	1.8	20	64	54
WE-S10	War Eagle	603865	6035268	1490	above red-brown oxidized zone in andesite, B horizon	1752	175	1.9	345	50	38

APPENDIX III

Geochemical Procedure and Results

ECO TECH LABS – Analytical Method for

GEOCHEMICAL GOLD ANALYSIS

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

The sample is weighed to 10/15/30 grams and fused along with proper fluxing materials. The bead is digested in aqua regia and analyzed on an atomic absorption instrument. Over-range values for rocks are re-analyzed using gold assay methods.

Appropriate reference materials accompany the samples through the process allowing for quality control assessment. Results are entered and printed along with quality control data (repeats and standards). The data is faxed and/or mailed to the client.

MULTI ELEMENT ICP ANALYSIS

Samples are catalogued and dried. Soil samples are screened to obtain a -80 mesh sample. Samples unable to produce adequate -80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and pulverized on a ring mill pulverizer to minus 140 mesh, rolled and homogenized.

A 0.5 gram sample is digested with aqua regia which contains beryllium which acts as an internal standard. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

GOLD ASSAY

Samples are sorted and dried (if necessary). The samples are crushed through a jaw crusher and cone or rolls crusher to -10 mesh. The sample is split through a Jones riffle until a -250 gram subsample is achieved. The subsample is pulverized in a ring & puck pulverizer to 95% - 140 mesh. The sample is rolled to homogenize.

A 1/2 or 1.0 A.T. sample size is fire assayed using appropriate fluxes. The resultant dore bead is parted and then digested with aqua regia and then analyzed on a Perkin Elmer AA instrument.

Appropriate standards and repeat sample (Quality Control components) accompany the samples on the data sheet.

BASE METAL ASSAYS (Ag, Cu, Pb, Zn)

Samples are catalogued and dried. Rock samples are 2 stage crushed followed by pulverizing a 250 gram subsample. The subsample is rolled and homogenized and bagged in a pre-numbered bag.

A suitable sample weight is digested with aqua regia. The sample is allowed to cool, bulked up to a suitable volume and analyzed by an atomic absorption instrument, to .01 % detection limit.

Appropriate certified reference materials accompany the samples through the process providing accurate quality control.

Result data is entered along with standards and repeat values and are faxed and/or mailed to the client.

CERTIFICATE OF ASSAY AK 2009-0452

Lions Gate Energy Corp 22-Sep-09
15th Floor 675 W Hastings St
Vancouver, BC
V6B 1N2

No. of samples received: 15
Sample Type: Rock
Project: El Toro
Shipment #: 1
Submitted by: Jean Pautler

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)	Zn (%)
1	G13501			206	6.01	5.25	
2	G13502	6.55	0.191	1000	29.16	8.65	
3	G13503	9.85	0.287	104	3.03	2.10	
4	G13504	16.8	0.490	1240	36.16	12.4	1.38
5	G13505	2.56	0.075				
6	G13506	1.34	0.039	144	4.20	5.30	2.98
7	G13507			164	4.78	2.40	3.45
8	G13508			54.3	1.58	1.45	
9	G13509			108	3.15	3.05	
10	G13510			60.5	1.76	1.00	
11	G13511	2.25	0.066	164	4.78	3.00	
12	G13512			204	5.95	12.8	
13	G13513	1.19	0.035	46.5	1.36	3.30	
14	G13514	2.65	0.077	126	3.68	7.78	
15	G13515	5.39	0.157	380	11.08	3.30	
17	G13544						1.84
18	G13545			32.6	0.95		
20	G13547			30.3	0.88		
QC DATA:							
Repeats:							
1	G13501			202	5.89	5.32	
3	G13503	10.0	0.292				
15	G13515	5.66	0.165				
Resplit:							
1	G13501			204	5.95	5.15	
Standard:							
Hisilk2		3.48	0.101				
Pb104				106	3.09		1.47
Cu120						1.53	

NM/nw
XLS/09

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

16-Sep-09

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4
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Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2009- 0452

Lions Gate Energy Corp
15th Floor 675 W Hastings St
Vancouver, BC
V6B 1N2

No. of samples received: 15
Sample Type: Rock
Project: El Toro
Shipment #: 1
Submitted by: Jean Pautler

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G13501	680	>30	2.18	<5	<5	50	0.49	6	32	12	>10000	>10	<10	1.92	4760	41	0.02	4	310	96	<5	<20	3	0.03	<10	21	<10	6	755
2	G13502	>1000	>30	0.76	15	35	415	1.85	7	9	40	>10000	5.92	<10	0.38	1217	<1	0.01	4	610	54	10	<20	17	0.05	<10	21	<10	9	66
3	G13503	>1000	>30	1.86	25	20	125	0.20	7	27	30	>10000	>10	<10	1.08	4725	6	0.02	10	280	154	15	<20	4	<0.01	<10	24	<10	5	468
4	G13504	>1000	>30	1.53	80	<5	690	0.58	88	30	94	>10000	7.79	<10	1.49	2311	56	0.02	35	430	342	10	<20	10	0.02	<10	50	<10	2	>10000
5	G13505	>1000	15.3	1.09	<5	10	<5	0.19	12	18	87	7711	7.01	<10	0.85	2710	2	0.02	34	170	86	5	<20	4	0.05	<10	42	<10	2	1822
6	G13506	>1000	>30	2.55	<5	5	140	0.39	101	32	96	>10000	6.30	<10	1.88	4262	<1	0.01	39	450	224	<5	<20	7	0.07	<10	55	<10	3	>10000
7	G13507	305	>30	2.55	<5	5	295	0.32	162	36	122	>10000	6.26	<10	2.23	4475	7	0.01	53	440	724	<5	<20	8	0.05	<10	64	<10	3	>10000
8	G13508	185	>30	1.17	10	<5	25	1.61	3	64	35	>10000	5.25	<10	0.85	1752	63	0.01	7	590	86	<5	<20	18	0.15	<10	20	<10	4	170
9	G13509	135	>30	1.30	15	<5	5	1.65	4	21	31	>10000	4.33	<10	0.85	1747	4	0.01	14	1060	16	<5	<20	25	0.27	<10	41	<10	3	155
10	G13510	115	>30	1.39	25	<5	25	1.78	6	63	43	9943	4.39	<10	0.81	1765	3	0.02	10	990	188	<5	<20	22	0.53	10	74	<10	4	555
11	G13511	>1000	>30	1.49	25	10	650	0.83	5	37	85	>10000	6.67	<10	1.22	1692	<1	0.02	31	460	340	5	<20	13	0.15	<10	62	<10	2	184
12	G13512	655	>30	0.81	<5	25	110	1.09	12	21	20	>10000	8.53	<10	0.27	2959	<1	0.02	5	840	78	<5	<20	18	0.07	<10	28	<10	11	229
13	G13513	>1000	>30	0.34	20	10	10	0.06	2	8	74	>10000	6.08	<10	0.05	962	44	0.02	2	800	6	<5	<20	2	<0.01	<10	10	<10	11	164
14	G13514	>1000	>30	0.47	5	15	15	0.02	4	10	41	>10000	8.95	<10	0.16	588	37	0.02	<1	570	6	<5	<20	1	<0.01	<10	7	<10	5	142
15	G13515	>1000	>30	0.36	600	55	140	4.49	3	14	69	>10000	1.85	<10	0.23	2938	<1	<0.01	19	300	58	<5	<20	44	<0.01	<10	32	<10	4	287
QC DATA:																														
Repeat:																														
1	G13501	675	>30	2.29	<5	<5	55	0.51	6	33	11	>10000	>10	<10	2.01	4798	42	0.02	4	320	98	5	<20	4	0.03	<10	21	10	6	765
9	G13509	150																												
10	G13510	100	>30	1.31	25	<5	20	1.69	5	59	41	>10000	4.20	<10	0.77	1724	3	0.01	10	960	176	<5	<20	21	0.51	<10	70	<10	4	537
Resplit:																														
1	G13501	710	>30	2.26	<5	<5	60	0.56	6	35	11	>10000	>10	<10	2.02	4780	48	0.02	4	320	108	5	<20	4	0.02	<10	22	10	6	769
Standard:																														
Pb129a			11.4	0.85	5	60	<5	0.45	56	6	11	1390	1.53	<10	0.68	359	2	0.03	5	440	6244	15	<20	29	0.05	<10	16	<10	2	9934
OXE74		610																												

ICP: Aqua Regia Digest / ICP- AES Finish.
Ag : Aqua Regia Digest / AA Finish.
Au: 30g Fire Assay/ AA Finish.

NM/ap
df/2_452s
XLS/09

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

16-Sep-09

Stewart Group

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10041 Dallas Drive
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Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2009- 0466

Lions Gate Energy Corp
15th Floor 675 W Hastings St
Vancouver, BC
V6B 1N2

No. of samples received: 21
Sample Type: Rock
Project: El Toro
Shipment #: 2
Submitted by: Jean Pautler

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G13522	50	6.3	3.67	<5	120	15	0.89	2	12	66	3513	4.20	<10	1.41	750	8	0.20	2	1320	16	<5	<20	55	0.19	30	53	<10	15	98
2	G13523	170	5.8	3.37	<5	50	25	0.99	4	28	44	1959	9.05	<10	0.93	375	5	0.24	5	1190	14	<5	<20	82	0.13	30	299	<10	7	91
3	G13526	15	0.2	2.23	<5	165	10	0.69	2	20	72	100	4.59	<10	1.45	595	36	0.08	7	930	10	<5	<20	37	0.20	30	112	<10	8	42
4	G13528	35	3.5	1.76	<5	35	15	0.35	1	11	107	3392	3.83	10	1.20	550	21	0.07	10	670	10	<5	<20	24	0.04	20	84	<10	10	42
5	G13529	15	0.3	1.09	<5	40	10	0.41	<1	25	84	490	2.66	<10	0.71	452	6	0.05	7	570	6	<5	<20	30	<0.01	20	57	<10	8	30
6	G13530	10	<0.2	0.34	5	60	5	0.93	1	22	157	76	2.44	10	0.08	489	123	0.04	13	350	6	<5	<20	18	<0.01	10	12	<10	18	37
7	G13531	15	0.4	0.55	<5	60	10	0.56	1	7	99	765	2.16	<10	0.22	267	5	0.04	7	480	8	<5	<20	32	<0.01	20	27	<10	9	32
8	G13532	15	0.4	1.49	<5	125	10	0.28	1	9	120	310	3.14	<10	0.97	488	<1	0.06	8	630	8	<5	<20	21	0.05	20	73	<10	9	32
9	G13533	15	<0.2	0.69	<5	60	5	0.25	<1	8	95	87	2.03	<10	0.49	266	<1	0.05	5	310	6	<5	<20	13	0.03	20	40	<10	6	19
10	G13534	5	0.3	1.43	<5	520	10	0.69	1	7	110	265	3.06	<10	1.00	475	<1	0.05	8	510	8	<5	<20	30	<0.01	20	60	<10	11	33
11	G13537	25	3.2	1.61	<5	15	15	0.53	5	56	59	708	7.22	<10	1.11	2214	<1	0.08	8	780	12	<5	<20	11	<0.01	20	100	<10	18	491
12	G13539	45	5.7	0.42	160	20	20	0.14	2	24	78	891	5.85	10	0.07	383	<1	0.04	5	260	26	20	<20	5	<0.01	20	40	<10	11	87
13	G13540	5	0.2	0.35	<5	60	5	3.90	3	5	84	5	2.22	<10	0.87	1380	<1	0.03	10	70	18	<5	<20	53	<0.01	10	62	<10	13	217
14	G13541	10	<0.2	0.33	5	245	<5	0.55	<1	1	97	5	0.70	<10	0.03	254	<1	0.01	3	30	8	<5	<20	10	<0.01	20	3	<10	4	33
15	G13542	30	1.2	0.21	5	135	<5	0.04	3	<1	131	37	0.86	<10	0.02	724	<1	0.04	3	110	116	<5	<20	3	<0.01	20	3	<10	5	402
16	G13543	20	1.1	0.10	5	905	<5	0.34	6	2	184	28	1.16	<10	0.02	2062	<1	0.02	6	40	172	<5	<20	6	<0.01	20	2	<10	6	895
17	G13544	120	12.5	0.25	135	65	<5	0.45	115	2	90	1879	1.12	<10	0.15	1025	<1	0.01	3	460	2540	25	<20	10	<0.01	10	4	<10	8	>10000
18	G13545	140	>30	0.77	10	65	15	0.06	2	8	167	1741	4.08	<10	0.28	1009	2	0.03	6	200	862	<5	<20	2	<0.01	20	27	<10	4	373
19	G13546	25	0.8	0.16	<5	15	10	0.08	4	11	117	21	3.47	<10	0.03	257	5	0.02	3	260	68	<5	<20	7	<0.01	20	4	<10	3	622
20	G13547	165	>30	2.64	55	60	20	2.51	41	25	76	6447	5.37	<10	1.60	2108	17	0.03	11	380	1550	<5	<20	25	<0.01	10	68	<10	9	9202
21	G13549	65	0.2	0.26	15	45	<5	0.03	<1	<1	127	11	0.58	10	0.02	97	<1	0.03	2	50	10	<5	<20	4	<0.01	20	2	<10	7	32
QC DATA:																														
Repeat:																														
1	G13522	45	6.1	3.89	<5	125	15	0.94	3	13	70	3598	4.37	<10	1.47	772	8	0.21	2	1380	18	<5	<20	58	0.20	30	55	<10	16	103
2	G13523	190																												
10	G13534	10	0.3	1.49	<5	535	10	0.71	1	7	113	275	3.13	10	1.03	490	<1	0.06	8	520	8	<5	<20	30	<0.01	20	63	<10	11	34
18	G13545	165																												
20	G13547	170																												
Resplit:																														
1	G13522	45	5.9	3.49	<5	110	10	0.85	2	12	49	3391	3.83	<10	1.32	696	7	0.19	1	1270	14	<5	<20	53	0.19	30	49	<10	14	89
Standard:																														
Pb129a			12.2	0.81	5	65	5	0.49	63	6	14	1400	1.53	<10	0.64	331	2	0.04	6	430	6210	15	<20	27	0.06	10	20	<10	3	>10000
SF30		830																												

ICP: Aqua Regia Digest / ICP- AES Finish.
Ag : Aqua Regia Digest / AA Finish.
Au: 30g Fire Assay/ AA Finish.

NM/ap
df/1_6121S
XLS/09

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

01-Oct-09

Stewart Group

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4
www.stewartgroupglobal.com

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2009- 0467

Lions Gate Energy Corp
15th Floor 675 W Hastings St
Vancouver, BC
V6B 1N2

No. of samples received: 13
Sample Type: Soil
Project: El Toro
Shipment #: 2
Submitted by: Jean Pautler

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	S13516	5	<0.2	1.45	15	90	<5	0.10	2	7	13	13	3.91	<10	0.21	203	9	0.02	4	310	16	<5	<20	10	0.04	<10	99	<10	3	40
2	S13517	5	<0.2	1.89	15	50	<5	0.06	2	9	14	17	4.92	<10	0.34	260	3	0.02	5	640	14	<5	<20	5	0.03	<10	96	<10	3	55
3	S13518	5	0.4	1.92	5	75	<5	0.09	2	9	14	18	3.73	<10	0.36	388	1	0.02	5	640	14	<5	<20	8	0.01	<10	68	<10	3	57
4	S13520	5	0.5	3.35	10	340	<5	0.36	2	13	18	52	3.31	<10	0.68	453	<1	0.02	12	600	14	<5	<20	16	0.02	<10	73	<10	16	130
5	S13521	5	0.4	1.84	10	160	<5	0.77	2	10	14	16	3.57	<10	0.54	443	<1	0.02	7	310	12	<5	<20	25	0.05	<10	94	<10	3	121
6	S13524	5	<0.2	1.75	5	305	<5	0.55	2	30	4	33	4.45	20	0.33	2430	1	0.02	6	1020	14	<5	<20	19	<0.01	<10	67	<10	35	74
7	S13525	5	<0.2	4.49	20	275	<5	0.76	2	22	7	74	4.37	<10	0.84	726	1	0.02	7	930	14	<5	<20	41	<0.01	<10	85	<10	5	53
8	S13527	5	0.2	0.92	25	135	<5	0.04	3	38	2	453	7.46	10	0.03	384	9	0.02	15	780	14	<5	<20	4	<0.01	<10	30	<10	12	83
9	S13535	5	0.2	3.74	<5	185	<5	0.13	2	21	7	35	4.41	30	0.42	227	156	0.04	5	850	26	<5	<20	27	<0.01	<10	45	<10	3	25
10	S13536	15	0.3	1.93	10	235	<5	0.50	2	19	22	58	3.91	<10	0.77	1636	3	0.03	15	710	26	<5	<20	25	0.07	<10	88	<10	12	154
11	S13538	5	0.6	2.78	15	360	<5	0.06	3	23	38	98	7.37	<10	0.49	2141	<1	0.02	17	900	30	<5	<20	7	0.02	<10	174	<10	8	199
12	S13548	<5	0.4	2.22	25	265	<5	1.52	4	18	29	31	4.20	10	0.70	7460	<1	0.04	15	880	32	<5	<20	71	0.11	<10	108	<10	33	276
13	L13519	5	0.6	2.14	55	175	<5	2.95	2	12	30	88	2.21	<10	0.55	2099	4	0.03	10	1160	24	<5	<20	77	<0.01	<10	58	<10	29	85
QC DATA:																														
Repeat:																														
1	S13516	5	<0.2	1.55	15	95	<5	0.10	2	7	14	14	4.26	<10	0.22	220	7	0.02	4	340	18	<5	<20	10	0.04	<10	107	<10	3	43
10	S13536	5	<0.2	1.90	10	230	<5	0.48	2	18	22	58	3.87	<10	0.76	1612	2	0.03	15	690	24	<5	<20	24	0.07	<10	86	<10	12	152
Standard:																														
Till3			1.5	1.07	95	55	<5	0.55	<1	15	71	24	1.99	10	0.66	320	26	0.03	34	450	20	<5	<20	18	0.08	<10	41	<10	7	42
SF30		810																												

ICP: Aqua Regia Digest / ICP- AES Finish.
Ag : Aqua Regia Digest / AA Finish.
Au: 30g Fire Assay/ AA Finish.

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/ap
df/
XLS/09

MMI SOIL RESULTS

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L200S-00+50W	3	75	<10	<0.1	2960	<1	180	10	23	224	<100	830	12	8.8	2.4	171	10	10	<5	39	19	0.6	23	179	40	<1	4	<1	54	2	39	7	<1	1140	<1	2	<10	2.3	73	<0.5	135	<1	87	8	640	17
L200S-1+00W	53	104	<10	0.2	5600	<1	340	186	174	61	<100	810	94	73.6	12.8	32	59	39	<5	76	11	0.6	91	190	390	<1	17	<1	51	<1	76	32	<1	1910	<1	11	<10	3.1	72	0.7	416	<1	563	54	1000	32
L200S-1+50W	65	114	<10	0.4	7830	<1	370	113	59	25	<100	950	162	138	20.4	45	96	53	<5	88	<5	<0.5	123	296	570	<1	21	<1	119	<1	69	47	<1	2300	<1	18	<10	3.1	48	<0.5	283	1	1340	102	2150	24
L200S-2+00W	100	63	<10	2.6	3910	<1	350	85	74	100	<100	1890	27	14.5	8.9	20	36	27	<5	63	13	<0.5	74	106	160	<1	12	<1	105	2	19	24	<1	1710	<1	5	<10	11	7	<0.5	232	<1	193	12	4380	32
L200S-2+50W	11	229	<10	0.1	3170	<1	180	156	17	121	<100	620	36	29.2	2.6	128	12	10	14	56	<5	0.7	18	56	500	<1	3	<1	144	<1	31	6	<1	1320	<1	3	<10	9.7	224	<0.5	84	<1	235	19	11300	14
L200S-3+00W	13	105	<10	0.2	4910	<1	380	850	56	23	<100	80	32	20.8	7.7	70	31	31	11	80	<5	<0.5	65	215	30	<1	13	<1	130	1	74	21	<1	2330	<1	5	<10	6.5	63	<0.5	1170	<1	240	17	19600	24
L200S-3+50W	22	>300	<10	0.1	1340	<1	<10	11	<5	26	<100	310	2	2.8	<0.5	38	<1	<1	<5	5	<5	<0.5	<1	34	30	<1	<1	<1	198	<1	20	<1	<1	140	<1	<1	<10	0.9	5	<0.5	2	<1	13	3	480	<5
L200S-4+00W	55	287	<10	0.2	1810	<1	20	39	61	74	<100	340	74	37.4	11	31	51	23	<5	6	<5	1.4	91	37	440	<1	15	<1	159	<1	46	29	<1	350	<1	10	<10	3.9	607	<0.5	7	<1	367	25	650	21
L200S-4+50W	10	286	<10	0.2	850	<1	20	44	9	22	<100	400	9	5.1	1	25	5	3	<5	5	<5	1.4	8	41	300	<1	1	<1	142	<1	22	3	<1	200	<1	1	<10	2.6	449	<0.5	2	<1	42	3	870	20
L200S-5+00W	5	186	<10	<0.1	380	<1	<10	11	<5	59	<100	150	4	4.4	<0.5	28	<1	1	<5	3	<5	1.1	2	15	70	<1	<1	<1	212	<1	21	<1	<1	30	<1	<1	<10	2.2	232	<0.5	3	<1	19	4	230	28
L200S-5+50W	20	123	<10	0.4	1790	<1	310	145	82	5	<100	2900	159	79.1	28	17	120	111	<5	31	<5	<0.5	243	40	180	<1	44	<1	119	<1	90	74	<1	830	<1	22	<10	4.2	12	<0.5	39	<1	932	44	2120	9
L200S-6+00W	21	257	<10	<0.1	1020	<1	<10	25	<5	94	<100	290	15	12.9	0.5	11	4	2	<5	2	<5	<0.5	4	43	140	<1	<1	<1	140	<1	29	2	<1	40	<1	1	<10	1.2	48	<0.5	1	<1	85	10	390	5
L200S-6+50W	7	218	<10	0.1	1330	<1	40	67	89	8	<100	1000	198	109	30	19	130	63	<5	7	<5	4.5	245	65	350	<1	41	<1	188	<1	88	83	<1	190	<1	27	<10	8.5	323	<0.5	24	<1	1250	69	630	45
L200S-7+00W	2	>300	<10	<0.1	2520	1	100	13	<5	30	<100	170	12	10.5	<0.5	58	2	2	<5	7	<5	<0.5	2	31	70	<1	<1	<1	20	<1	33	<1	<1	200	<1	<1	<10	2.3	16	<0.5	2	<1	66	8	890	<5
L200S-7+50W	1	216	<10	<0.1	1380	<1	110	59	31	13	<100	320	35	19.8	4.2	39	21	9	<5	27	<5	0.6	34	65	340	<1	6	<1	176	<1	39	12	<1	370	<1	4	<10	3.4	140	<0.5	3	<1	186	13	1400	12
L200S-8+00W	2	265	<10	<0.1	2710	<1	110	40	36	14	<100	230	53	30.5	6.4	38	32	13	<5	28	<5	<0.5	53	87	700	<1	9	<1	113	<1	42	18	<1	400	<1	7	<10	4.7	143	0.7	5	<1	319	21	890	15
L200S-8+50W	5	229	<10	<0.1	1970	<1	100	69	104	15	<100	260	123	65.4	20.8	29	96	50	<5	22	<5	<0.5	183	69	200	<1	31	<1	113	<1	52	62	<1	360	<1	18	<10	5.8	203	<0.5	22	<1	789	38	800	11
L200S-9+00W	6	118	<10	<0.1	4270	<1	220	349	31	6	<100	240	82	45.7	10.2	37	50	23	<5	59	<5	<0.5	71	88	170	<1	12	<1	95	<1	42	26	<1	1130	<1	11	<10	1.9	25	<0.5	331	<1	445	26	4980	11
L200S-9+50W	6	277	<10	<0.1	790	<1	<10	29	<5	55	<100	230	12	10.8	<0.5	21	3	2	<5	5	<5	0.7	3	27	60	<1	<1	<1	119	<1	33	1	<1	80	<1	1	<10	1.4	212	<0.5	3	<1	66	9	440	11
L200S-10+00W	<1	257	<10	<0.1	830	<1	<10	10	<5	69	<100	30	<1	<0.5	<0.5	108	<1	<1	7	7	<5	<0.5	<1	34	<10	<1	<1	<1	60	<1	12	<1	<1	110	<1	<1	<10	<0.5	26	<0.5	<1	<1	<5	<1	120	<5
L200S-10+50W	8	204	<10	<0.1	720	<1	<10	9	<5	37	<100	180	9	7.5	<0.5	15	3	<1	<5	1	<5	<0.5	2	24	50	<1	<1	<1	73	<1	22	1	<1	20	<1	<1	<10	1	137	0.6	1	<1	49	6	110	7
L200S-11+00W	4	156	<10	<0.1	1150	<1	100	18	67	<5	<100	130	105	55.2	15.2	8	77	32	<5	5	<5	<0.5	125	42	60	<1	20	<1	46	<1	39	44	<1	360	<1	15	<10	1.9	109	<0.5	5	<1	605	33	620	7
L200S-11+50W	1	256	<10	<0.1	550	<1	10	17	<5	175	<100	250	11	13.2	<0.5	99	2	1	<5	7	<5	<0.5	2	33	60	<1	<1	<1	47	<1	34	<1	<1	100	<1	<1	<10	1.5	233	0.6	<1	<1	55	12	1150	7
L200S-12+00W	<1	219	<10	<0.1	1550	1	130	92	19	9	<100	160	24	12.8	3.6	29	17	9	<5	15	<5	0.6	29	32	470	<1	5	<1	28	<1	19	10	<1	520	<1	3	<10	4.1	161	<0.5	3	<1	141	9	1690	8
L200S-12+50W	4	255	<10	<0.1	690	1	20	39	26	12	<100	280	79	41.7	9.3	18	46	9	<5	2	<5	0.6	52	26	500	<1	7	<1	80	<1	39	23	<1	100	<1	10	<10	3.2	122	0.8	2	<1	417	25	480	8
L200S-13+00W	2	263	<10	<0.1	420	<1	<10	22	5	41	<100	210	13	15.4	0.6	33	3	3	<5	2	<5	<0.5	5	25	150	<1	<1	<1	111	<1	26	2	<1	40	<1	<1	<10	1.6	229	<0.5	1	<1	70	13	290	10
L200S-13+50W	4	238	<10	<0.1	1140	<1	10	60	<5	45	<100	620	10	7.8	<0.5	59	2	1	<5	3	<5	<0.5	2	33	150	<1	<1	<1	78	<1	19	1	<1	140	<1	<1	<10	2	177	<0.5	1	<1	49	6	500	8
L200S-14+00W	2	98	<10	<0.1	3340	<1	360	64	12	19	<100	110	55	37.5	8.5	59	38	23	<5	14	<5	<0.5	56	36	70	<1	10	<1	29	<1	30	21	<1	1170	<1	7	<10	1.7	23	<0.5	13	<1	367	25	1120	12
L200S-15+50W	<1	237	<10	<0.1	660	<1	<10	8	5	165	<100	80	2	3.2	<0.5	130	1	3	5	4	<5	0.6	3	24	30	<1	<1	<1	77	<1	24	<1	<1	50	<1	<1	<10	2	276	<0.5	1	<1	11	4	400	11
L200S-0+00E	44	107	<10	0.4	2960	<1	290	33	43	29	<100	1330	101	63.3	12.5	12	66	44	<5	50	<5	<0.5	92	49	260	<1	17	<1	139	<1	78	36	<1	1320	<1	13	<10	5.9	89	<0.5	98	<1	544	43	300	29
L200S-0+50E	10	266	10	0.2	2780	<1	20	25	19	47	<100	430	29	19.1	1.7	54	9	5	8	9	<5	1.6	12	57	250	<1	2	<1	129	<1	82	4	<1	260	<1	3	<10	9.8	1020	<0.5	31	<1	124	14	940	50
L200S-1+00E	6	274	<10	<0.1	1040	<1	40	20	<5	52	<100	310	3	3.2	<0.5	101	<1	<1	<5	8	<5	<0.5	<1	35	150	<1	<1	<1	46	<1	10	<1	<1	370	<1	<1	<10	0.9	95	<0.5	2	<1	13	3	300	<5
L200S-1+50E	19	165	<10	<0.1	2360	<1	230	29	62	20	<100	230	58	31	11.1	23	53	45	<5	47	<5	0.9	97	37	290	<1	18	<1	66	<1	27	31	<1	1390	<1	8	<10	3	328	<0.5	9	<1	319	19	550	10
L200S-2+00E	6	255	10	<0.1	530	<1	<10	60	19	35	<100	370	24	14.3	2.2	40	11	7	<5	1	<5	1.7	17	18	220	<1	3	<1	129	<1	34	6	<1	40	<1	3	<10	3.8	490	<0.5	3	<1	128	10	380	21
L200S-2+50E	2	193	<10	<0.1	1570	<1	140	62	12	190	<100	430	127	101	7.3	125	37	13	<5	28	<5	<0.5	45	64	430	<1	7	<1	89	<1	74	17	<1	870	<1	11	<10	5.1	182	<0.5	15	<1	804	67	1200	11
L200S-3+00E	10	219	<10	<0.1	2230	<1	140	75	101	8	<100	1000	131	69.1	23.1	28	109	47	<5	34	<5	0.6	201	66	130	<1	32	<1	134	<1	75	67	<1	840	<1	19	<10	5.7	445	<0.5	9	<1	769	43	840	24
L200S-3+50E	11	167	<10	<0.1	3360	<1	220	57	62	13	<100	980	355	221	37.9	20	185	57	<5	64	<5	<0.5	246	66	390	<1	38	<1	140	<1	125	95	<1	1400	<1	42	<10	4	82	<0.5	28	1	2220	136	360	12
L200S-4+00E	28	184	<10	0.1	830	<1	50	74	174	19	<100	1690	393	194	51.8	17	248	111	<5	11	<5	<0.5	356	53	180	<1	59	<1	90	<1	162	130	<1	360	<1	52	<10	8.5	203	0.7	41	1	1980	108	150	24
L200S-4+50E	15	212	10	0.1	2470	<1	110	55	82	51	<100	450	154	83.5	24.1	74	120	75	<5	19	<5	2.3	214	52	260	<1	37	<1	111	<1	59	73	<1	660	<1	22	<10	4.4	1170	<0.5	6	<1	930	54	820	22
L200S-5+00E	14	248	20	<0.1	2310	<1	90	167	13	65	<100	150	8	4.7	1.1	91	6	7	<5	16	<5	1.9	10	64	350	<1	2	<1	80	<1	19	3	<1	480	<1	1	<10	5.5	1690	<0.5	3	<1	45	3	2680	31
L200S-5+50E	13	181	<10	<0.1	2490	<1	110	80	93	9	<100	1110	252	136	30.9	23	156	40	<5	35	<5	<0.5	217	73	220	<1	33	<1	102	<1	130	85	<1	1000	<1	33	<10	5.8	148	<0.5	12	<1	1430	81	670	14
L200S-6+00E	17	202	<10	<0.1	3730	<1	230	53	99	29	<100	460	111	63.2	18.8	40	93	53	<5	49	<5	0.9	150	71	360	<1	25	<1	62	<1	87	53	<1	1430	<1	16	<10	5.1	449	<0.5	11	<1	665	42	1020	18
L200S-6+50E	15	174	<10	<0.1	2990	<1	190	27	203	8	<100	520	174	87.3	33.3	20	150	94	<5	34	<5	0.7	258	71	110	<1	44	<1	206	<1	133	93	<1	970	<1	26	<10	7.8	411	<0.5	15	<1	924	54	560	22
L200S-7+00E	18	207	20	<0.1	2070	<1	120	28	113	28	<100	510	159	87.2	27.1	72	128	93	<5	21	<5	6.1	209	60	160	<1	38	<1	120	<1	109	74	<1	460	<1	22	<10	11.6	2140	<0.5	16	<1	842	55	310	55
L200S-7+50E	5	115	<10	<0.1	4780	<1	240	82	68	16	<100	480	233	140	35.8	16	169	92	<5	43	<5	<0.5	248	87	130	<1	43	<1	81	<1	107	95	<1	1320	<1	31	<10	4.9	22	<0.5	15	<1	1380	84	1420	14
L200S-8+00E	5	133	<10	<0.1	3700	<1	140	80	84	14	<100	730	452	240	53.7	22	271	60	<5	35	<5	<0.5	339	47	190	<1	50	<1	45	<1	221	135	<1	1340	<1	60	<10	4.5	59	<0.5	15	2	2720	141	770	10
L200S-8+50E	5	153	<10	<0.1	4020	<1	80	60	39	24	<100	1330	355	207	32.1	34	166	29	<5	23	<5	<0.5	168	76	210	<1	23	<1	21	<1	172	76	<1	740	<1	42	<10	6.1	105	<0.5	23	1	2020	128	710	15
L200S-9+00E	6	293	30	<0.1	3000	<1	30	11	55	43	<100	130	23	12.5	4.9	115	20	26	<5	9	<5	6.7	46	25	110	<1	9	<1	140	<1	56	15	2	210	<1	4	<10	9	3300	<0.5	5	<1	111	9	250	66
L200S-9+50E	3	143	30	<0.1	850	<1	90	3	11	28	<100	90	4	3	0.6	128	3	6	<5	13	<5	4.3	7	43	110	<1	2	<1	105	<1	34	2	1	200	<1	<1	<10	4.6	2070	0.5	2	<1	26	3	930	60
L200S-10+00E	2	220	70	<0.1	1310	<1	20	14	13	536	<100	180	3	2	<0.5	263	2	7	<5	4	<5	8.9	6	68	50	<1	1	<1	46	<1	42	1	2	140	<1	<1	<10	11.6	1530	<0.5	3	<1	17	2	860	120
L200S-10+50E	3	229	80	<0.1	1950	<1	<10	3	15	152	<100	50	4	2.4	0.7	124	3	8	<5	3	<5	3.7	9	26	190	<1	2	<1	93	<1	34	2	<1	100	<1	<1	<10	11.3	1850	<0.5	2	<1	20	2	390	78
L200S-11+00E	5	293	40	<0.1	2450	<1	30	10	21	76	<100	120	6	4	0.7	134	3	8	<5	10	<5	9.2	9	32	240	<1	2	<1	22	<1	37	2	2	200	<1	<1	<10	4.1	5080	<0.5	2	<1	29	3	770	48
L200S-11+50E	4	189	30	<0.1	6510	<1	80	10	45	199	<100	130	17	8.9	3.7	150	17	25	<5	13	<5	2.6	40	23	140	<1	8	<1	171	<1	30	11	<1	550	<1	3	<10	5.7	1410	<0.5	3	<1	100	6	760	41
L200S-12+00E	1	118	<10	<0.1	6540	<1	170	79	82	8	<100	290	342	202	46.9	15	233	68	<5	46	<5	<0.5	248	34	110	<1	37	<1	84	<1	245	115	<1	1160	<1	43	<10	11.6	72	<0.5	57	1	2060	130	550	34
L200S-12+50E	8	259	30	<0.1	1630	<1	40	19	33	77	<100	130	19	11.2	4.1	143	19	26	<5	6	<5	6.5	43	22	150	<1	9	<1	126	<1	40	13	1	270	<1	3	<10	6.2	4030	<0.5	3	1	112	8	960	66
L200S-13+00E	4	235	20	<0.1	350	<1	<10	6	12	26	<100	200	3	2.3	0.5	139	2	9	<5	1	<5	4.1	8	11	30	<1	2	<1	18	<1	20	2	<1	30	<1	<1	<10	4.8	1800	<0.5	2	<1	15	3	260	49
L200S-13+50E	4	>300	30	<0.1	1570	<1	10	11	113	54	<100	180	19	8.7	4	155	17	58	<5	4	<5	7.7	55	16	110	<1	13	<1	51	<1	45	13	1	100	<1	3	<10	12.4	3280	<0.5	5	<1	66	6	440	98
L200S-14+00E	12	63	20	0.1	6740	<1	190	6	54	12	<100	160	35	17.9	9.5	52	41	33	<5	43	<5	6.5	83	23	30	<1	14	<1	64	<1	29	28	<1	1030	<1	6	<10	8	1360	<0.5	12	<1	189	13	310	43
L200S-15+00E	22	186	<10	<0.1	600	<1	<10	9	28	21	<100	230	21	11.8	3.1	40	17	25	<5	<1	<5	1.4	34	21	130	<1	7	<1	122	<1	35	10	<1	40	<1	3	<10	5.9	621	<0.5	3	<1	134	7	150	56

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo
METHOD	MI-M	MI-M	MI-M	MI-M	MMI-M5	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MMI-M5	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb
L400S-00+50W	70	110	<10	0.3	2600	<1	230	67	42	38	<100	1210	252	244	22.9	41	114	46	<5	45	<5
L400S-1+00W	14	84	<10	0.1	2380	<1	300	80	46	31	<100	730	117	93.8	15.1	29	72	34	<5	50	<5
L400S-1+50W	2	276	<10	<0.1	2200	<1	100	12	<5	101	<100	130	2	4.5	<0.5	65	<1	1	5	26	<5
L400S-2+00W	5	145	<10	<0.1	3550	<1	300	45	27	21	<100	390	120	75.9	17	29	92	44	<5	57	<5
L400S-2+50W	10	165	<10	0.1	5100	<1	270	60	21	39	<100	480	259	197	29.5	52	157	49	<5	54	<5
L400S-3+00W	9	260	<10	<0.1	6890	<1	140	65	10	145	<100	540	277	398	9.9	41	53	20	<5	26	<5
L400S-3+50W	9	90	<10	<0.1	2620	<1	440	321	32	12	<100	1350	505	378	53	33	260	106	<5	57	<5
L400S-4+00W	4	238	<10	<0.1	2320	<1	160	56	<5	301	<100	180	26	22.7	1.1	89	7	3	<5	24	<5
L400S-4+50W	5	241	<10	<0.1	1420	<1	50	41	<5	77	<100	340	8	6.9	<0.5	33	2	1	<5	16	<5
L400S-5+00W	18	151	<10	<0.1	1880	<1	200	48	18	37	<100	310	48	27.9	7.3	38	34	17	<5	40	<5
L400S-5+50W	11	208	<10	<0.1	2220	<1	140	61	<5	151	<100	190	5	7.6	<0.5	69	1	1	<5	32	<5
L400S-6+00W	10	112	<10	<0.1	2190	<1	340	122	19	13	<100	440	54	42.2	6.7	31	32	21	<5	47	<5
L400S-6+50W	198	92	10	0.1	5700	<1	350	32	13	<5	<100	710	747	438	163	9	652	547	<5	63	<5
L400S-7+00W	9	233	<10	<0.1	2370	<1	50	60	<5	14	<100	240	29	25.2	1.6	28	8	6	<5	7	<5
L400S-7+50W	3	252	<10	<0.1	1000	<1	80	18	5	16	<100	180	14	8.8	1.5	39	8	4	<5	15	<5
L400S-8+00W	17	248	<10	<0.1	1670	<1	50	8	<5	91	<100	140	2	5.3	<0.5	60	<1	2	<5	18	<5
L400S-8+50W	23	161	<10	<0.1	1230	<1	100	17	106	7	<100	110	86	39.7	15.5	13	73	59	<5	24	<5
L400S-09+00W	33	71	<10	0.1	4160	<1	430	72	8	<5	<100	1110	202	139	32.7	9	163	40	<5	88	<5
L400S-10+00W	15	136	<10	0.2	3280	<1	110	37	50	32	<100	490	464	270	60.1	54	273	65	<5	19	<5
L400S-10+50W	24	134	<10	<0.1	4080	<1	260	75	24	6	<100	510	265	146	39.6	12	193	86	<5	25	<5
L400S-11+00W	5	174	<10	<0.1	3390	<1	200	98	30	40	<100	1180	275	195	23.3	29	116	32	<5	22	<5
L400S-11+50W	3	259	<10	<0.1	850	<1	<10	33	5	84	<100	380	8	8.3	<0.5	30	2	2	<5	2	<5
L400S-12+00W	8	136	<10	<0.1	2030	<1	100	47	34	37	<100	860	252	179	23.2	57	104	30	<5	6	<5
L400S-12+50W	2	207	<10	<0.1	390	<1	<10	5	<5	44	<100	120	<1	1.2	<0.5	126	<1	1	<5	3	<5
L400S-13+00W	9	222	<10	<0.1	430	<1	<10	18	5	34	<100	230	8	7.3	<0.5	31	2	4	<5	<1	<5
L400S-13+50W	3	201	<10	<0.1	1300	<1	20	21	21	39	<100	240	42	23.8	6.2	25	31	13	<5	3	<5
L400S-14+50W	1	240	<10	<0.1	300	<1	<10	10	<5	43	<100	100	2	3.2	<0.5	66	<1	<1	<5	2	<5
L400S-15+00W	2	256	<10	<0.1	820	<1	<10	12	<5	93	<100	200	5	6.5	<0.5	16	<1	<1	<5	2	<5
DUP-L200S-3+50W	22	>300	<10	0.1	1350	<1	<10	10	<5	25	<100	280	2	2.5	<0.5	38	<1	<1	<5	5	<5
DUP-L200S-8+50W	5	215	<10	<0.1	1980	<1	110	67	110	14	<100	270	123	63.8	20	28	99	51	<5	21	<5
DUP-L200S-2+00E	6	243	10	<0.1	510	<1	<10	58	19	34	<100	350	22	13.4	2.1	42	10	8	<5	1	<5
DUP-L200S-6+00E	17	197	<10	<0.1	3720	<1	220	53	99	30	<100	470	116	70	18.5	40	89	53	<5	48	<5
DUP-L200S-13+50E	3	>300	30	<0.1	1530	<1	10	11	99	58	<100	180	17	8.6	3.8	161	16	55	<5	4	<5
DUP-L400S-09+00W	25	67	<10	0.2	3740	<1	400	75	8	<5	<100	1030	214	137	34.3	8	167	39	<5	86	<5
DUP-L400S-12+50W	2	197	<10	<0.1	380	<1	<10	6	<5	40	<100	130	<1	1.3	<0.5	127	<1	2	<5	3	<5
MMISRM18	21	22	10	9.3	160	<1	170	73	21	74	<100	710	3	1.1	1.1	3	6	7	<5	85	34
MMISRM16	17	38	10	32	80	<1	180	4	14	59	<100	600	3	0.9	1.1	2	4	5	<5	26	49
MMISRM18	19	23	10	9.2	200	<1	160	72	21	75	<100	720	4	1.6	1.3	3	6	7	<5	79	33
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5

ANALYTE	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MMI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MMI-M	MI-M	MMI-M5	MI-M
DETECTION	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L400S-00+50W	<0.5	126	176	310	<1	21	<1	43	<1	101	52	<1	1090	<1	25	<10	2.5	81	<0.5	195	2	2110	177	930	34
L400S-1+00W	<0.5	86	138	200	<1	15	<1	105	<1	58	35	<1	1230	<1	14	<10	2.4	8	<0.5	90	<1	966	69	1150	17
L400S-1+50W	<0.5	1	40	20	<1	<1	<1	72	<1	22	<1	<1	1100	<1	<1	<10	1.8	22	<0.5	3	<1	11	9	120	<5
L400S-2+00W	<0.5	115	56	330	<1	19	<1	111	<1	41	44	<1	1260	<1	16	<10	3.6	31	<0.5	16	<1	901	45	370	11
L400S-2+50W	<0.5	162	76	350	<1	25	<1	150	<1	71	71	<1	1280	<1	32	<10	5.2	83	<0.5	28	1	1830	139	1170	17
L400S-3+00W	<0.5	53	55	110	<1	9	<1	114	<1	357	22	<1	1150	<1	20	<10	5.7	118	<0.5	21	2	1910	364	330	16
L400S-3+50W	<0.5	318	51	380	<1	54	<1	125	<1	131	126	<1	2630	<1	58	<10	2.7	9	<0.5	124	2	3450	249	1400	8
L400S-4+00W	<0.5	6	51	490	<1	1	<1	78	<1	34	3	<1	1610	<1	2	<10	3.7	51	<0.5	4	<1	173	16	930	<5
L400S-4+50W	<0.5	2	57	230	<1	<1	<1	194	<1	16	<1	<1	670	<1	<1	<10	2.1	53	<0.5	2	<1	44	6	1040	6
L400S-5+00W	<0.5	60	54	310	<1	10	<1	163	<1	30	20	<1	2230	<1	6	<10	1.8	97	<0.5	4	<1	321	19	300	6
L400S-5+50W	0.7	2	73	90	<1	<1	<1	134	<1	26	<1	<1	1300	<1	<1	<10	2.4	346	<0.5	3	<1	26	7	1040	11
L400S-6+00W	<0.5	47	65	130	<1	8	<1	111	<1	40	17	<1	2140	<1	6	<10	1.6	7	<0.5	16	<1	355	29	2040	16
L400S-6+50W	<0.5	1290	29	50	<1	234	<1	74	<1	156	414	<1	2050	<1	##	<10	1.3	6	<0.5	49	3	4910	269	1050	18
L400S-7+00W	<0.5	12	61	40	<1	2	<1	173	<1	47	4	<1	410	<1	3	<10	1.6	89	0.6	2	<1	160	19	1920	7
L400S-7+50W	<0.5	11	39	210	<1	2	<1	59	<1	15	4	<1	640	<1	2	<10	1.6	58	<0.5	1	<1	84	6	1050	<5
L400S-8+00W	<0.5	2	47	10	<1	<1	<1	100	<1	22	<1	<1	310	<1	<1	<10	1.3	27	<0.5	2	<1	11	8	240	<5
L400S-8+50W	<0.5	158	29	80	<1	29	<1	30	<1	28	48	<1	330	<1	13	<10	1.7	127	<0.5	3	<1	454	22	100	12
L400S-09+00W	<0.5	171	83	50	<1	25	<1	175	<1	62	81	<1	990	<1	27	<10	1	6	<0.5	27	<1	1270	89	2060	13
L400S-10+00W	<0.5	337	77	510	<1	48	<1	18	<1	197	146	<1	570	<1	59	<10	1.9	160	<0.5	85	2	2610	175	130	18
L400S-10+50W	<0.5	268	65	220	<1	43	<1	111	<1	119	101	<1	1070	<1	36	<10	2.3	20	<0.5	47	<1	1740	85	1090	14
L400S-11+00W	<0.5	144	73	260	<1	21	<1	103	<1	139	55	<1	930	<1	29	<10	4.5	237	<0.5	12	1	1710	129	1010	17
L400S-11+50W	0.7	4	34	70	<1	<1	<1	150	<1	31	1	<1	50	<1	<1	<10	2.4	400	<0.5	2	<1	45	7	750	17
L400S-12+00W	0.6	123	61	320	<1	20	<1	43	<1	125	52	<1	410	<1	27	<10	2.1	146	0.7	24	1	1420	126	550	22
L400S-12+50W	1.6	1	18	10	<1	<1	<1	33	<1	15	<1	<1	50	<1	<1	<10	1.7	434	<0.5	1	<1	<5	2	90	12
L400S-13+00W	1.6	4	21	80	<1	<1	<1	73	<1	29	1	<1	20	<1	<1	<10	2.7	854	<0.5	2	<1	48	6	160	23
L400S-13+50W	0.7	54	34	140	<1	9	<1	85	<1	42	18	<1	180	<1	6	<10	2.7	795	<0.5	2	<1	255	16	180	22
L400S-14+50W	1	1	11	10	<1	<1	<1	61	<1	12	<1	<1	40	<1	<1	<10	1	185	<0.5	1	<1	10	3	140	9
L400S-15+00W	<0.5	1	29	10	<1	<1	<1	57	<1	27	<1	<1	120	<1	<1	<10	0.6	32	<0.5	<1	<1	25	6	150	<5
DUP-L200S-3+50W	<0.5	<1	34	20	<1	<1	<1	206	<1	20	<1	<1	130	<1	<1	<10	0.8	9	<0.5	1	<1	9	3	410	<5
DUP-L200S-8+50W	<0.5	188	68	200	<1	31	<1	108	<1	50	63	<1	340	<1	18	<10	5.5	202	<0.5	22	<1	769	40	780	11
DUP-L200S-2+00E	1.9	16	17	210	<1	3	<1	127	<1	29	6	<1	40	<1	3	<10	3.9	484	<0.5	3	<1	118	9	370	23
DUP-L200S-6+00E	0.8	159	74	350	<1	26	<1	56	<1	86	54	<1	1480	<1	16	<10	5.3	426	<0.5	11	<1	690	44	1110	16
DUP-L200S-13+50E	7.3	51	15	100	<1	11	<1	43	<1	45	13	1	90	<1	3	<10	12.1	3180	<0.5	5	<1	62	7	450	97
DUP-L400S-09+00W	<0.5	182	76	50	<1	25	<1	174	<1	56	87	<1	990	<1	28	<10	1	9	<0.5	24	<1	1360	84	1920	11
DUP-L400S-12+50W	2.2	2	17	20	<1	<1	<1	37	<1	15	<1	<1	50	<1	<1	<10	2.1	640	<0.5	2	<1	<5	2	150	16
MMISRM18	<0.5	16	498	260	13	3	6	165	<1	<5	4	<1	1230	<1	<1	<10	15.8	<3	<0.5	23	<1	17	<1	620	23
MMISRM16	<0.5	15	209	80	26	3	<1	300	<1	<5	4	<1	400	<1	<1	<10	19.2	7	<0.5	46	<1	11	<1	220	17
MMISRM18	<0.5	17	497	290	13	3	6	156	<1	<5	5	<1	1180	<1	<1	<10	17.9	<3	<0.5	24	<1	21	<1	580	24
BLANK	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L1200N-0+50E	20	174	<10	<0.1	2770	<1	310	89	37	32	<100	410	25	17.3	4.6	95	21	23	<5	25	<5	<0.5	39	249	440	<1	7	<1	120	<1	48	13	<1	860	<1	4	<10	7.6	140	0.9	11	<1	177	13	2650	13
L1200N-1+00E	14	229	<10	<0.1	1860	<1	190	100	16	16	<100	360	19	12	1.8	95	11	6	<5	39	<5	<0.5	15	196	360	<1	3	<1	86	<1	45	6	<1	990	<1	2	<10	5.3	207	0.8	3	<1	116	9	5540	15
L1200N-1+50E	13	135	<10	<0.1	1560	<1	480	255	29	17	<100	1990	177	145	20.2	60	108	56	<5	74	<5	<0.5	146	174	150	<1	26	<1	48	<1	75	58	<1	2010	<1	21	<10	3.4	17	0.6	28	<1	1250	109	4120	9
L1200N-2+00E	47	291	10	<0.1	2160	1	70	184	30	13	<100	1540	38	24.6	3.2	88	17	12	<5	15	<5	0.8	23	125	240	<1	4	<1	96	<1	85	9	<1	320	<1	5	<10	10.4	536	0.6	10	<1	194	18	4110	28
L1200N-3+00E	38	72	<10	0.4	1120	<1	520	254	25	194	<100	1030	6	3.7	1.4	11	6	7	<5	54	46	<0.5	14	311	20	<1	3	<1	98	<1	15	5	<1	2500	<1	1	<10	3.1	61	1.1	58	<1	32	3	1690	6
L1200N-5+00E	18	110	<10	<0.1	220	<1	300	320	17	44	<100	1700	23	16.4	4.3	20	23	18	<5	29	<5	0.9	39	626	<10	<1	7	<1	157	<1	12	13	<1	1670	<1	4	<10	1.8	64	<0.5	12	<1	216	13	3540	7
L1200N-5+50E	6	207	<10	<0.1	630	<1	230	233	88	7	<100	4240	284	173	29.8	28	148	72	<5	42	<5	<0.5	203	114	160	<1	35	<1	118	<1	130	75	<1	1950	<1	34	<10	5.1	29	<0.5	32	1	1840	101	10000	11
L1200N-6+00E	<1	242	10	<0.1	1320	3	50	35	22	154	<100	290	27	34.8	1.8	248	9	14	<5	14	<5	0.6	19	38	230	<1	4	<1	37	<1	66	6	<1	280	<1	2	<10	2.8	422	<0.5	3	<1	156	28	4590	18
L1200N-6+50E	104	132	<10	0.4	1230	<1	360	87	51	13	<100	1690	100	50.8	21.1	14	95	80	<5	37	10	<0.5	164	63	210	<1	30	<1	129	<1	96	60	<1	1340	<1	15	<10	6.1	68	<0.5	23	<1	570	33	1660	22
L1200N-7+00E	12	>300	<10	<0.1	830	2	10	28	11	64	<100	660	8	6	<0.5	134	2	4	<5	7	<5	<0.5	4	44	360	<1	<1	<1	84	<1	49	2	<1	110	<1	<1	<10	3.7	273	<0.5	4	<1	34	4	1630	19
L1200N-7+50E	34	65	<10	0.6	1450	<1	530	155	161	15	<100	3430	74	43.4	19.7	26	84	62	<5	66	17	<0.5	156	188	60	<1	28	<1	66	<1	52	53	<1	1900	<1	12	<10	5	12	0.6	37	<1	488	33	2820	11
L1200N-8+00E	62	70	<10	1.4	1190	<1	430	155	245	25	<100	5920	95	52.8	27.5	33	114	87	<5	51	21	<0.5	234	232	70	<1	40	<1	124	<1	69	75	<1	1340	<1	17	<10	6	9	0.7	46	<1	670	40	3460	14
L1200N-8+50E	82	71	<10	1	2200	<1	430	59	173	13	<100	7600	108	56.3	33	19	137	87	<5	51	15	<0.5	243	134	90	<1	41	<1	73	<1	55	89	<1	1330	<1	19	<10	8.8	5	<0.5	30	<1	758	40	2190	15
L1200N-9+00E	71	16	<10	0.6	7800	<1	310	48	26	13	<100	430	11	6.1	3.2	6	14	4	5	21	<5	<0.5	14	22	160	<1	2	<1	55	<1	13	7	<1	710	<1	2	<10	0.8	67	<0.5	3	<1	66	4	430	<5
L1200N-9+50E	<1	86	10	<0.1	980	<1	70	<1	6	377	<100	80	2	3.1	<0.5	352	1	3	<5	34	<5	1.2	3	145	<10	<1	<1	<1	24	<1	18	<1	<1	500	<1	<1	<10	1.9	816	<0.5	2	<1	13	3	60	19
L1200N-10+00E	15	297	<10	<0.1	920	<1	20	9	<5	178	<100	170	1	1.7	<0.5	130	<1	1	6	7	<5	1.1	1	31	30	<1	<1	<1	41	<1	19	<1	<1	170	<1	<1	<10	1.4	712	<0.5	1	<1	6	2	430	16
L1200N-10+50E	102	268	10	<0.1	580	<1	<10	22	11	69	<100	240	4	4.4	<0.5	110	2	6	<5	2	<5	2.9	6	20	110	<1	1	<1	119	<1	22	2	<1	40	<1	<1	<10	3.5	1310	<0.5	2	<1	26	3	460	36
L1200N-11+00E	10	>300	<10	<0.1	570	<1	10	5	7	13	<100	70	2	1.4	<0.5	71	<1	4	<5	3	<5	2	3	11	330	<1	<1	<1	36	<1	21	<1	<1	90	<1	<1	<10	2.3	1100	0.6	1	<1	13	1	530	26
L1200N-11+50E	6	164	<10	<0.1	8910	<1	260	152	122	17	<100	510	95	69.5	11.9	69	60	19	<5	58	<5	0.5	63	94	170	<1	10	<1	63	<1	139	30	<1	990	<1	12	<10	8.3	138	<0.5	22	<1	663	48	3750	21
L1200N-12+00E	3	98	<10	<0.1	12400	<1	480	49	12	14	<100	100	9	5.9	1.5	36	9	7	<5	41	<5	<0.5	15	37	150	<1	3	<1	39	<1	23	5	<1	960	<1	1	<10	1.6	38	<0.5	9	<1	66	4	860	6
L1200N-12+50E	36	124	<10	0.2	13800	<1	260	92	45	10	<100	1320	324	326	23.9	44	134	44	<5	50	<5	<0.5	130	349	110	<1	21	<1	42	<1	242	59	<1	980	<1	32	<10	4.7	30	0.5	226	2	3010	280	720	36
L1200N-13+00E	13	248	<10	<0.1	1020	<1	50	16	6	59	<100	100	5	3.2	<0.5	161	2	3	<5	6	<5	1.9	3	29	180	<1	<1	<1	56	<1	21	<1	<1	240	<1	<1	<10	3.2	593	<0.5	3	<1	32	2	670	25
L1200N-13+50E	3	241	<10	<0.1	2040	1	110	39	11	56	<100	170	10	7.3	1.5	106	8	6	<5	25	<5	2.2	14	25	450	<1	2	<1	28	<1	55	5	<1	510	<1	1	<10	3.9	1510	<0.5	4	<1	67	6	1780	27
L1200N-14+00E	4	203	<10	<0.1	3910	<1	180	35	39	123	<100	190	43	27.5	7.1	91	35	20	<5	29	<5	1.2	53	46	300	<1	9	<1	14	<1	39	21	<1	900	<1	6	<10	3.3	639	<0.5	6	<1	283	19	1020	10
L1200N-15+00E	4	273	10	<0.1	2250	<1	170	28	10	137	<100	180	4	4.1	<0.5	232	2	4	<5	22	<5	3	6	54	160	<1	1	<1	78	<1	26	1	<1	810	<1	<1	<10	3.8	1570	<0.5	2	<1	25	4	4120	32
L1200N-BL00+00W	47	>300	10	<0.1	1640	<1	30	40	20	81	<100	810	11	10.9	0.8	129	4	7	<5	6	<5	2	10	114	360	<1	2	<1	178	<1	39	3	<1	170	<1	1	<10	5.4	956	<0.5	5	<1	55	10	2040	29
L1200N-00+50W	150	>300	40	0.1	1870	2	40	42	32	61	<100	410	12	6.7	1.5	168	8	12	<5	13	<5	3.8	17	129	400	<1	4	<1	142	<1	56	5	<1	330	<1	2	<10	11.3	3170	<0.5	5	<1	65	5	2320	59
L1200N-1+00W	138	214	20	0.3	610	1	220	35	27	19	<100	390	7	3.1	1	93	5	10	<5	21	7	1.5	10	30	830	<1	2	<1	263	<1	30	3	<1	370	<1	<1	<10	7.2	1300	<0.5	7	<1	27	2	290	32
L1200N-1+50W	50	>300	20	0.5	1210	1	20	25	271	129	<100	570	24	13	3.4	147	15	111	<5	9	7	1.3	55	42	450	<1	15	<1	244	<1	39	11	<1	200	<1	3	<10	41	757	0.8	12	<1	138	8	1140	49
L1200N-2+00W	43	>300	20	0.2	2880	2	50	45	35	204	<100	890	16	10.3	1.5	131	10	10	<5	17	<5	2.1	19	108	570	<1	3	<1	163	<1	46	6	<1	490	<1	2	<10	10	1790	<0.5	7	<1	103	8	2420	26
L1200N-2+50W	25	205	10	0.3	1220	1	280	38	81	63	<100	630	9	5.1	1.7	142	7	22	<5	52	9	1.5	25	91	260	<1	6	<1	269	<1	44	6	<1	880	<1	1	<10	14	929	0.8	7	<1	42	4	920	54
L1200N-3+00W	12	>300	20	<0.1	1280	2	20	23	28	56	<100	730	9	5.4	0.8	180	4	10	6	9	5	2.2	9	54	350	<1	2	<1	229	2	44	3	<1	140	<1	1	<10	13.6	2450	0.8	4	<1	44	4	840	45
L1200N-3+50W	117	295	20	0.2	710	2	<10	33	23	59	<100	250	10	6.3	1.1	171	6	10	<5	4	<5	2.3	11	34	300	<1	3	<1	252	<1	43	4	<1	60	<1	1	<10	7.3	2660	0.6	5	<1	55	5	440	31
L1200N-4+00W	10	284	<10	<0.1	800	1	60	25	6	79	<100	160	4	2.6	<0.5	169	1	3	<5	11	<5	1.3	3	42	280	<1	<1	<1	40	<1	19	<1	<1	220	<1	<1	<10	3	993	<0.5	2	<1	24	2	1260	14
L1200N-5+00W	51	267	30	<0.1	950	1	130	39	16	81	<100	340	7	4.2	0.9	136	5	5	<5	19	<5	1.5	9	62	440	<1	2	<1	129	<1	27	3	<1	450	<1	<1	<10	6.4	1650	<0.5	3	<1	40	3	720	32
L1200N-5+50W	73	225	30	0.1	680	2	<10	40	39	75	<100	320	21	13.8	3.1	142	15	16	<5	1	9	2.2	30	34	470	<1	6	<1	111	1	59	10	<1	20	<1	3	<10	8.1	1930	<0.5	6	<1	123	12	820	26
L1200N-6+00W	108	>300	40	0.2	1400	2	20	45	154	81	<100	880	11	5.9	1.6	136	7	18	<5	5	7	1.1	20	77	600	<1	5	<1	257	<1	37	6	<1	120	<1	2	<10	25.3	1300	0.5	10	<1	44	5	3070	39
L1200N-6+50W	31	269	20	<0.1	270	1	<10	22	14	32	<100	280	9	7.1	0.8	120	4	5	<5	1	<5	1.8	9	26	210	<1	2	<1	99	<1	31	3	<1	20	<1	<1	<10	4.4	1480	<0.5	2	<1	52	6	590	34
L1200N-7+00W	33	288	10	<0.1	650	<1	<10	71	11	63	<100	590	7	6.5	0.5	70	3	4	<5	5	<5	1.8	5	60	160	<1	1	<1	147	<1	35	2	<1	90	<1	<1	<10	3.3	1650	<0.5	3	<1	40	5	1210	32
L1200N-7+50W	23	>300	<10	<0.1	1230	<1	40	25	9	41	<100	260	9	6.1	0.8	78	4	4	<5	12	<5	3.9	6	68	140	<1	1	<1	92	<1	33	2	<1	430	<1	1	<10	4.9	2560	<0.5	3	<1	53	5	610	34
L1200N-8+00W	86	>300	30	0.2	1280	2	40	34	56	100	<100	1070	15	7.3	2.4	105	11	17	<5	13	<5	3.5	23	56	540	<1	5	<1	176	<1	75	7	<1	270	<1	2	<10	8.1	2400	<0.5	4	<1	71	5	1070	58
L1200N-8+50W	22	283	<10	<0.1	1980	<1	110	41	10	103	<100	400	12	7.2	1	110	6	4	<5	22	<5	2.3	8	85	190	<1	1	<1	136	<1	32	3	<1	960	<1	1	<10	3.6	1230	<0.5	3	<1	70	5	1870	28
L1200N-9+00W	10	>300	20	<0.1	1310	<1	90	33	55	152	<100	1080	47	31.8	3.2	98	20	11	<5	46	<5	1.6	28	166	270	<1	5	<1	168	<1	99	11	<1	580	<1	5	<10	9.9	1600	<0.5	6	<1	263	24	1760	34
L1200N-9+50W	14	291	20	<0.1	970	1	70	23	21	121	<100	370	13	7.4	1.4	168	7	7	<5	25	<5	7	12	83	270	<1	2	<1	207	1	52	4	1	530	<1	2	<10	5.9	4310	<0.5	3	1	67	6	620	56
L1200N-10+00W	13	204	10	<0.1	2590	<1	220	16	42	23	<100	300	20	11.1	2.9	42	13	17	<5	43	<5	1.6	25	43	240	<1	5	<1	277	<1	66	8	<1	1310	<1	3	<10	6.9	1280	<0.5	5	<1	106	8	220	48
L1200N-10+50W	30	282	50	<0.1	660	1	70	33	37	46	<100	370	17	9.9	3	122	15	9	<5	26	<5	1	25	88	390	<1	4	<1	165	<1	76	10	<1	230	<1	3	<10	5.2	938	<0.5	3	<1	92	8	2560	24
L1200N-11+00W	16	>300	40	<0.1	2220	3	90	20	167	142	<100	420	32	17.6	5	108	26	47	<5	42	10	0.6	72	173	270	<1	14	<1	251	1	63	20	<1	520	<1	5	<10	23.2	493	0.7	7	<1	168	14	1230	33
L400N-BL00-00	51	198	<10	1.2	1300	<1	120	88	62	35	<100	7540	107	54.7	18.1	60	80	53	<5	30	17	1.1	135	106	440	<1	25	<1	136	<1	45	46	<1	930	<1	15	<10	6.9	443	<0.5	38	<1	706	30	230	14
L400N-00+50W	30	208	<10	0.2	2680	<1	260	98	<5	80	<100	2240	19	20.4	0.8	76	5	2	<5	68	<5	<0.5	5	99	340	<1	<1	<1	75	<1	26	2	<1	2590	<1	2	<10	1.8	87	<0.5	6	<1	126	16	740	<5
L400N-1+00W	27	285	<10	0.2	530	<1	30	37	<5	397	<100	640	5	4.6	<0.5	95	1	<1	<5	13	<5	<0.5	<1	52	180	<1	<1	<1	79	<1	17	<1	<1	450	<1	<1	<10	1.3	120	<0.5	2	<1	31	4	490	<5
L400N-1+50W	22	169	<10	0.2	1000	<1	250	119	7	132	<100	1910	52	40.1	4.6	37	23	7	<5	53	<5	<0.5	27	95	270	<1	4	<1	127	<1	50	10	<1	1730	<1	6	<10	2.2	150	<0.5	10	<1	398	29	1290	9
L400N-2+00W	13	>300	<10	<0.1	2090	<1	10	16	<5	46	<100	390	1	4	<0.5	41	<1	<1	<5	10	<5	<0.5	<1	67	<10	<1	<1	<1	165	<1	42	<1	<1	270	<1	<1	<10	1.3	22	<0.5	2	<1	8	8	340	<5
L400N-2+50W	124	239	<10	0.1	510	<1	20	64	8	41	<100	680	7	4.5	0.6	72	3	6	<5	6	<5	0.9	6	77	260	<1	1	<1	178	<1	25	2	<1	130	<1	<1	<10	4.2	642	<0.5	3	<1	42	3	500	34
L400N-3+00W	211	245	<10	0.4	1200	<1	<10	117	55	95	<100	17200	54	43.6	6.5	32	27	38	<5	3	<5	1.7	55	39	80	<1	11	<1	142	<1	35	18	<1	80	<1	6	<10	3.4	1520	<0.5	8	<1	311	28	500	30
L400N-3+50W	99	259	<10	0.4	250	<1	<10	55	7	23	<100	1890	17	21.1	1	45	4	3	<5	1	<5	0.5	6	12	480	<1	1	<1	96	<1	18	2	<1	30	<1	1	<10	2.5	245	0.9	18	<1	89	19	840	11
L400N-4+00W	13	272	<10	<0.1	1240	<1	50	70	<5	281	<100	350	1	2.4	<0.5	89	<1	<1	<5	12	<5	<0.5	<1	57	50	<1	<1	<1	52	<1	15	<1	<1	270	<1	<1	<10	1.6	253	<0.5	3	<1	9	3	8970	9

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MI-M	MI-M	MI-M	MI-M	MMI-M5	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MMI-M5	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M5	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M5	MI-M	MI-M	MI-M	MI-M	MI-M5	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L400N-4+50W	791	>300	<10	0.1	400	<1	<10	6	<5	21	<100	180	5	4.5	<0.5	71	1	1	<5	3	<5	1.8	2	20	310	<1	<1	<1	76	<1	35	<1	<1	70	<1	<1	<10	2.5	854	0.5	2	<1	28	4	510	19
L400N-5+00W	56	194	<10	1.1	2040	<1	30	15	69	24	<100	620	226	124	41.4	19	200	119	<5	9	<5	0.5	389	20	340	<1	67	<1	142	<1	130	130	<1	290	<1	35	<10	5.8	506	0.8	12	<1	1590	85	280	36
L400N-5+50W	61	151	<10	0.7	280	<1	<10	14	<5	41	<100	480	<1	0.6	<0.5	71	<1	1	<5	3	<5	<0.5	2	20	40	<1	<1	<1	153	<1	9	<1	<1	40	<1	<1	<10	1.5	172	<0.5	2	<1	<5	<1	60	9
L400N-6+50W	22	>300	40	1.2	4040	<1	<10	31	225	88	<100	1130	37	19.5	5.3	66	26	40	10	7	<5	3.9	58	121	350	<1	12	<1	187	2	100	19	<1	160	<1	5	<10	14.3	3760	1.4	9	<1	156	15	1460	176
L400N-7+50W	7	288	<10	<0.1	1920	<1	50	23	<5	285	<100	540	1	3.4	<0.5	140	<1	1	<5	20	<5	<0.5	1	38	10	<1	<1	<1	28	<1	77	<1	<1	240	<1	<1	<10	1.8	70	<0.5	3	<1	7	6	670	<5
L400N-8+00W	26	266	20	1	750	3	20	55	14	85	<100	500	8	7.8	0.6	148	4	4	<5	7	<5	<0.5	5	33	400	<1	1	<1	181	2	46	2	<1	80	<1	<1	<10	6	403	0.8	3	<1	50	7	3110	15
L400N-10+00W	20	172	10	0.3	980	6	140	33	38	59	<100	470	29	18.1	4.2	55	22	15	<5	11	<5	<0.5	33	48	220	<1	6	<1	236	1	33	13	<1	180	<1	4	<10	4	308	0.7	5	<1	154	12	250	10
L400N-10+50W	11	133	<10	0.1	9960	<1	480	765	33	180	<100	530	30	25.4	4.1	108	19	11	5	65	<5	<0.5	26	128	3470	<1	5	<1	71	<1	105	11	<1	570	<1	4	<10	4	54	<0.5	18	<1	180	23	6370	7
L400N-11+50W	25	115	<10	1.9	3120	<1	580	177	271	67	<100	2180	238	164	48.5	67	194	56	<5	81	<5	<0.5	203	920	310	<1	32	<1	82	<1	442	101	<1	620	<1	33	<10	4.8	12	<0.5	33	1	1760	125	490	16
L400N-12+00W	114	5	<10	10.1	960	<1	430	41	<5	14	<100	250	3	1.6	1	5	4	<1	<5	114	<5	<0.5	3	81	30	<1	<1	<1	62	<1	24	2	<1	950	<1	<1	<10	<0.5	<3	<0.5	5	<1	28	1	70	<5
L400N-12+50W	1890	70	60	24.5	1560	3	220	263	442	156	<100	4210	314	177	119	43	410	149	<5	31	<5	<0.5	811	72	73100	<1	123	<1	192	4	250	369	<1	150	<1	58	<10	18.2	12	0.6	51	1	1670	145	530	31
L400N-0+50E	36	196	<10	0.5	2120	<1	140	33	57	35	<100	3180	50	26.3	9.4	18	44	36	<5	24	<5	0.7	89	78	980	<1	16	<1	96	<1	37	27	<1	1240	<1	8	<10	2.4	529	<0.5	12	<1	313	16	370	12
L400N-1+00E	11	117	<10	0.2	3150	<1	230	57	45	8	<100	1320	168	97.5	24.8	18	111	65	<5	42	<5	<0.5	181	59	300	<1	31	<1	107	<1	78	62	<1	1500	<1	22	<10	1.9	12	<0.5	49	<1	1130	59	1480	10
L400N-1+50E	37	165	<10	0.3	2640	<1	220	59	10	79	<100	1160	53	35.1	5.7	38	26	16	<5	53	<5	<0.5	41	84	820	<1	7	<1	122	<1	37	14	<1	1520	<1	6	<10	2.8	49	<0.5	14	<1	346	23	1250	8
L400N-2+00E	23	150	<10	0.2	1870	<1	220	41	33	8	<100	1000	80	44.1	13.9	15	61	65	<5	46	<5	<0.5	123	54	330	<1	23	<1	127	<1	59	37	<1	1340	<1	12	<10	2.6	84	<0.5	25	<1	520	26	240	13
L400N-2+50E	8	212	<10	0.1	2090	<1	210	63	29	75	<100	1150	106	65	11.6	43	56	22	<5	45	<5	<0.5	83	40	510	<1	12	<1	80	<1	55	30	<1	1650	<1	13	<10	2.4	94	<0.5	10	<1	672	41	760	8
L400N-3+00E	13	277	<10	0.1	530	<1	30	25	<5	68	<100	570	5	5.1	<0.5	32	<1	<1	<5	7	<5	<0.5	1	42	170	<1	<1	<1	77	<1	18	<1	<1	200	<1	<1	<10	1	148	<0.5	2	<1	26	4	480	5
L400N-3+50E	18	252	10	<0.1	2360	<1	160	54	56	21	<100	790	68	38.1	12.3	52	60	38	<5	37	<5	1.8	109	57	420	<1	18	<1	79	<1	57	35	<1	1080	<1	10	<10	3.8	1220	<0.5	7	<1	430	23	680	25
L400N-4+00E	16	217	<10	0.1	1120	<1	60	42	146	30	<100	1210	121	56.7	24	31	110	78	<5	16	<5	1.1	219	61	330	<1	39	<1	163	<1	103	72	<1	380	<1	20	<10	4.5	803	0.5	14	<1	696	35	370	28
L400N-4+50E	34	217	<10	0.2	1660	<1	110	54	79	18	<100	1120	140	79.7	22.6	23	108	58	<5	22	<5	0.6	185	71	440	<1	31	<1	129	<1	105	64	<1	630	<1	21	<10	5.2	435	<0.5	23	<1	907	48	680	25
L400N-5+00E	45	190	10	0.2	2070	<1	160	71	63	35	<100	760	78	43.5	13.3	38	61	47	<5	27	<5	1.6	112	56	500	<1	20	<1	120	<1	54	37	<1	1090	<1	11	<10	4.9	1100	<0.5	13	<1	473	28	570	29
L400N-5+50E	24	203	20	0.2	2350	<1	150	61	77	23	<100	580	90	53	14.8	67	69	48	<5	28	<5	1.8	124	54	460	<1	22	<1	94	<1	62	41	<1	990	<1	13	<10	5.6	1490	<0.5	9	<1	569	36	910	32
L400N-6+00E	40	249	<10	0.2	940	<1	40	79	107	58	<100	1720	173	82.5	29.4	35	133	61	<5	8	<5	2.3	224	56	610	<1	36	<1	92	<1	101	81	<1	320	<1	27	<10	5.4	942	<0.5	17	<1	971	50	680	28
L400N-6+50E	14	238	<10	0.1	3190	<1	150	38	14	274	<100	850	73	77.6	3.6	74	18	7	6	37	<5	0.6	21	80	360	<1	4	<1	104	<1	97	9	<1	1230	<1	6	<10	4.7	304	<0.5	13	<1	447	62	990	14
L400N-7+00E	6	158	<10	<0.1	1860	<1	90	114	112	5	<100	1040	289	163	45.6	18	211	63	<5	21	<5	<0.5	333	58	390	<1	51	<1	94	<1	196	124	<1	740	<1	41	<10	4.2	129	<0.5	22	<1	1920	107	770	15
L400N-7+50E	3	264	<10	<0.1	2020	<1	80	103	32	57	<100	540	78	44.8	10.4	50	52	19	<5	20	<5	0.9	80	36	390	<1	13	<1	24	<1	51	30	<1	640	<1	11	<10	3.8	489	<0.5	6	<1	492	28	1240	12
L400N-8+00E	7	258	20	<0.1	2380	<1	80	79	66	29	<100	930	93	53.1	14.5	106	71	38	<5	17	<5	4.3	117	47	390	<1	20	<1	98	<1	71	41	<1	530	<1	13	<10	5.8	1780	<0.5	9	<1	625	34	890	32
L400N-8+50E	5	196	<10	<0.1	2730	<1	80	67	44	17	<100	640	177	112	17.2	33	94	19	<5	21	<5	0.7	101	76	380	<1	15	<1	84	<1	131	43	<1	610	<1	22	<10	4.5	194	<0.5	13	<1	1140	71	1240	12
L400N-9+00E	15	155	<10	<0.1	280	<1	<10	15	<5	80	<100	150	3	4.2	<0.5	47	1	1	<5	3	<5	1	2	22	120	<1	<1	<1	85	<1	22	<1	<1	40	<1	<1	<10	1.2	468	<0.5	2	<1	18	4	490	15
L400N-9+50E	9	52	<10	<0.1	22800	<1	370	120	9	<5	<100	680	423	433	26.5	15	160	25	<5	106	<5	<0.5	118	423	50	<1	17	<1	40	<1	392	63	<1	2870	<1	41	<10	1.6	7	<0.5	50	3	3170	331	3860	12
L400N-10+00E	12	257	20	<0.1	2890	<1	40	30	20	172	<100	200	41	25.9	4.5	123	23	11	<5	11	<5	5.6	31	39	510	<1	5	<1	56	<1	45	12	<1	390	<1	5	<10	4.6	1780	<0.5	3	1	260	19	1290	32
L400N-10+50E	6	289	40	<0.1	570	<1	<10	12	11	51	<100	130	2	2.7	<0.5	213	2	6	<5	3	<5	10.2	6	21	90	<1	1	<1	48	<1	25	1	2	60	<1	<1	<10	4.3	4150	<0.5	3	<1	16	3	490	58
L400N-11+00E	12	126	<10	0.4	4570	<1	270	44	44	116	<100	600	23	14.2	4.3	30	22	14	<5	45	7	1.9	37	66	70	<1	6	<1	144	<1	37	13	<1	970	<1	4	<10	2.2	327	<0.5	14	<1	141	10	470	39
L400N-11+50E	1	101	20	<0.1	1080	<1	70	20	81	95	<100	360	39	24.3	10.9	121	43	64	<5	8	7	0.7	121	43	60	<1	24	<1	39	<1	49	34	<1	280	<1	7	<10	3.6	276	0.8	12	<1	222	18	250	19
L400N-12+50E	6	>300	40	<0.1	1190	<1	20	15	16	121	<100	220	7	5.9	0.9	202	4	8	<5	6	<5	16.2	10	27	100	<1	2	<1	55	<1	46	3	3	140	1	<1	<10	5	5390	<0.5	3	1	35	6	1320	68
L400N-13+00E	23	297	40	<0.1	860	<1	<10	11	27	54	<100	180	10	7.8	1.7	153	8	19	<5	2	<5	8.9	22	29	190	<1	5	<1	129	<1	45	6	1	50	<1	1	<10	6.6	3990	<0.5	3	<1	74	6	450	82
L400N-13+50E	12	234	20	<0.1	400	<1	<10	23	15	57	<100	310	9	7	0.8	111	5	8	<5	4	<5	4	9	32	190	<1	2	<1	120	<1	28	3	<1	90	<1	1	<10	4.1	2100	<0.5	2	<1	57	5	370	42
L400N-14+00E	7	124	<10	<0.1	2180	<1	290	36	61	9	<100	80	41	22.2	8.8	15	42	24	<5	41	<5	0.7	70	45	60	<1	11	<1	50	<1	30	26	<1	1260	<1	7	<10	2.3	232	<0.5	7	<1	236	15	440	20
L400N-14+50E	5	225	10	<0.1	2200	<1	140	23	83	112	<100	180	21	11.8	4.1	166	19	24	<5	22	<5	11.9	46	39	180	<1	9	<1	44	<1	65	13	2	680	<1	3	<10	4.5	2770	<0.5	5	<1	125	8	1500	46
L400N-15+00E	5	281	30	<0.1	680	<1	<10	14	28	77	<100	220	6	4.2	0.8	191	4	12	<5	2	<5	7.1	12	17	120	<1	3	<1	100	<1	35	3	<1	40	<1	<1	<10	7.2	3020	<0.5	3	<1	28	4	450	68
DUP-L1200N-7+50	34	63	<10	0.7	1380	<1	540	148	162	14	<100	3410	71	40.9	19.2	26	80	57	<5	68	17	<0.5	150	172	60	<1	25	<1	71	<1	49	52	<1	1790	<1	12	<10	5.1	5	0.7	31	<1	438	31	2460	10
DUP-L1200N-9+50	1	99	10	<0.1	840	<1	70	<1	8	274	<100	130	3	4.3	<0.5	374	2	4	<5	29	<5	1.4	4	117	10	<1	<1	<1	15	<1	15	1	<1	450	<1	<1	<10	1.9	1040	<0.5	1	<1	18	4	40	20
DUP-L1200N-5+00	49	266	30	<0.1	920	1	110	39	16	75	<100	380	8	4.3	0.9	132	5	6	<5	17	<5	1.4	10	59	430	<1	2	<1	130	<1	28	3	<1	410	<1	1	<10	6.3	1680	<0.5	3	<1	42	3	710	31
DUP-L1200N-7+50	20	>300	<10	<0.1	1200	<1	50	26	7	42	<100	260	8	5.8	0.7	72	3	3	<5	12	<5	2.8	5	68	120	<1	<1	<1	91	<1	29	2	<1	450	<1	<1	<10	4.1	1730	<0.5	3	<1	51	5	600	25
DUP-L400N-10+00	20	170	10	0.3	1060	6	170	27	49	74	<100	410	28	15.3	4.7	67	24	17	<5	11	<5	<0.5	39	43	200	<1	7	<1	232	1	34	15	<1	170	<1	4	<10	4.5	362	0.7	5	<1	137	11	240	16
DUP-L400N-2+50E	6	193	<10	<0.1	2190	<1	210	68	19	84	<100	1180	96	70.1	7.7	47	41	13	<5	43	<5	<0.5	47	40	430	<1	8	<1	72	<1	62	19	<1	1600	<1	11	<10	2.3	105	<0.5	10	<1	589	46	820	8
DUP-L400N-12+50	6	>300	30	<0.1	1060	<1	20	15	13	111	<100	200	6	5.6	0.7	185	3	7	<5	5	<5	13.8	8	22	100	<1	2	<1	50	<1	40	2	2	130	<1	<1	<10	4.3	4750	<0.5	2	1	31	5	1190	62
DUP-L400N-14+00	8	130	<10	<0.1	2470	<1	300	33	57	10	<100	70	40	22.3	8.7	15	43	23	<5	43	<5	0.7	68	46	60	<1	11	<1	53	<1	29	26	<1	1370	<1	7	<10	2.4	221	<0.5	7	<1	227	14	450	20
MMISRM18	20	28	20	8.8	130	<1	180	75	23	72	<100	770	4	1.6	1.3	4	6	7	<5	86	36	<0.5	18	540	320	13	3	6	157	<1	<5	5	<1	1170	<1	<1	<10	18.9	5	<0.5	27	<1	22	<1	620	26
MMISRM16	19	49	20	29.9	60	<1	190	5	16	67	<100	690	3	1.1	1.2	2	5	4	<5	27	56	<0.5	15	263	120	29	3	<1	324	<1	9	5	<1	420	<1	<1	<10	21.6	<3	<0.5	53	<1	12	<1	240	18
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	1	<1	<1	<5	<1	<5	0.6	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1	<5	<1	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L600N- 0+00W	3	162	<10	<0.1	530	<1	80	3	8	151	<100	1400	5	5.9	0.6	185	3	4	<5	24	<5	0.7	8	44	<10	<1	2	<1	56	<1	17	2	<1	790	<1	<1	<10	2.1	378	<0.5	3	<1	22	6	20	11
L600N- 0+50W	15	115	<10	0.2	810	<1	220	108	17	62	<100	1650	49	47.6	4.3	40	25	13	<5	41	8	<0.5	33	184	90	<1	6	<1	99	<1	38	12	<1	1810	<1	5	<10	1.5	31	<0.5	25	<1	300	39	1100	9
L600N- 1+00W	7	170	<10	0.5	1260	<1	170	74	39	161	<100	1590	77	70.3	6.4	100	30	14	<5	39	26	<0.5	45	163	190	<1	8	<1	50	<1	99	16	<1	1370	<1	8	<10	3.6	249	<0.5	37	<1	379	52	1940	25
L600N- 1+50W	2	100	<10	0.1	520	<1	160	22	8	90	<100	1790	7	7.3	1.1	147	5	6	<5	37	13	<0.5	12	68	10	<1	2	<1	98	<1	17	4	<1	1480	<1	<1	<10	1.4	134	<0.5	9	<1	44	6	80	7
L600N- 2+00W	7	238	<10	0.1	920	<1	70	113	6	40	<100	1180	15	9.5	0.8	62	5	3	<5	18	<5	0.6	6	61	90	<1	1	<1	108	<1	24	2	<1	470	<1	1	<10	2.4	346	<0.5	4	<1	63	6	3290	11
L600N- 2+50W	41	181	<10	0.2	740	<1	100	62	43	92	<100	1260	72	34.8	13.7	44	62	64	<5	24	5	<0.5	133	41	500	<1	25	<1	99	<1	41	40	<1	570	<1	11	<10	3.1	338	<0.5	14	<1	395	19	290	12
L600N- 3+00W	1	74	<10	0.1	2080	<1	280	301	9	15	<100	110	12	9.3	2.4	34	10	8	6	82	<5	<0.5	19	97	<10	<1	3	<1	137	<1	35	6	<1	1640	<1	2	<10	1.3	19	<0.5	113	<1	65	9	12200	7
L600N- 3+50W	29	258	<10	<0.1	880	<1	100	177	5	126	<100	1020	34	38.5	1.4	92	8	3	<5	26	<5	<0.5	8	39	310	<1	1	<1	15	<1	17	3	<1	650	<1	3	<10	1.9	143	<0.5	5	<1	207	27	5470	<5
L600N- 4+00W	9	189	<10	0.2	310	<1	<10	9	107	15	<100	6450	44	29	8.9	141	36	39	<5	3	<5	1.2	81	13	10	<1	17	<1	108	<1	17	26	<1	50	<1	7	<10	3.6	806	0.9	84	<1	146	29	100	19
L600N- 4+50W	9	236	<10	0.1	2700	<1	90	70	5	113	<100	850	12	20.9	0.5	75	3	2	<5	30	<5	<0.5	5	71	50	<1	<1	<1	61	<1	44	2	<1	610	<1	<1	<10	2.7	97	<0.5	5	<1	63	24	2980	7
L600N- 5+00W	5	121	<10	0.1	1660	<1	220	401	17	19	<100	2000	19	18.7	2.5	23	11	9	<5	56	<5	<0.5	21	155	10	<1	4	<1	147	<1	23	7	<1	1040	<1	2	<10	1.1	22	<0.5	97	<1	113	16	10700	8
L600N- 5+50W	4	214	30	<0.1	1410	2	60	51	28	263	<100	360	8	5.7	0.7	181	4	7	6	22	<5	2.3	9	62	690	<1	2	<1	51	<1	40	3	<1	410	<1	<1	<10	7	1530	<0.5	4	<1	39	5	2510	34
L600N- 6+00W	<1	244	<10	<0.1	1570	<1	90	10	<5	91	<100	40	<1	<0.5	<0.5	77	<1	<1	8	24	<5	<0.5	<1	40	<10	<1	<1	<1	59	<1	15	<1	<1	560	<1	<1	<10	0.8	58	<0.5	<1	<1	<5	<1	260	6
L600N- 6+50W	2	291	<10	<0.1	1980	<1	120	8	<5	137	<100	210	4	9.7	<0.5	38	1	1	<5	42	<5	<0.5	2	57	10	<1	<1	<1	75	<1	56	<1	<1	790	<1	<1	<10	2.4	98	<0.5	3	<1	20	16	170	10
L600N- 7+00W	1	275	<10	<0.1	2340	<1	50	9	<5	145	<100	60	<1	1.4	<0.5	42	<1	<1	<5	18	<5	<0.5	<1	52	<10	<1	<1	<1	73	<1	32	<1	<1	660	<1	<1	<10	1.1	32	<0.5	<1	<1	<5	3	120	9
L600N- 7+50W	28	114	10	3.9	5850	<1	220	43	446	58	<100	3620	256	135	56.1	17	276	193	<5	61	64	<0.5	489	143	110	<1	94	<1	103	<1	76	166	<1	1440	<1	41	<10	15.5	27	0.8	45	1	1350	82	970	20
L600N- 8+00W	29	257	20	2.2	1460	1	40	185	381	200	<100	1680	104	44.6	26.3	142	101	81	<5	4	21	0.9	217	264	170	<1	40	<1	208	1	223	78	<1	90	<1	18	<10	22	572	<0.5	99	<1	224	34	1590	121
L600N- 8+50W	30	143	<10	0.1	1520	<1	140	95	56	22	<100	1650	333	206	50.1	8	270	118	<5	43	<5	<0.5	380	53	240	<1	66	<1	158	<1	55	145	<1	830	<1	46	<10	1.6	92	<0.5	177	2	2310	135	370	6
L600N- 9+00W	8	214	<10	<0.1	730	<1	30	19	<5	53	<100	380	1	0.7	<0.5	172	1	1	<5	5	<5	<0.5	3	16	<10	<1	<1	<1	75	<1	<5	<1	<1	200	<1	<1	<10	<0.5	51	<0.5	1	<1	7	<1	160	<5
L600N- 9+50W	<1	225	<10	<0.1	930	<1	90	23	<5	53	<100	20	<1	<0.5	<0.5	153	<1	<1	18	24	<5	<0.5	<1	27	<10	<1	<1	<1	93	<1	11	<1	<1	480	<1	<1	<10	<0.5	43	<0.5	1	<1	<5	<1	260	<5
L600N-10+00W	<1	265	<10	<0.1	1060	1	30	9	<5	145	<100	30	<1	<0.5	<0.5	83	<1	<1	20	16	<5	<0.5	<1	27	<10	<1	<1	<1	75	<1	15	<1	<1	250	<1	<1	<10	0.7	39	0.7	<1	<1	<5	<1	220	6
L600N-10+50W	15	269	<10	<0.1	2010	<1	140	29	<5	10	<100	940	38	27.4	3	51	15	2	<5	57	<5	<0.5	15	90	20	<1	2	<1	101	<1	49	7	<1	620	<1	4	<10	1.2	7	<0.5	3	<1	196	20	690	<5
L600N-11+00W	29	127	<10	<0.1	3620	<1	170	62	10	82	<100	210	11	7.8	1.8	124	8	4	<5	50	<5	<0.5	10	128	320	<1	2	<1	163	<1	46	4	<1	560	<1	1	<10	1.9	100	<0.5	7	<1	65	6	1680	9
L600N-11+50W	6	178	<10	1.7	4080	<1	150	75	154	111	<100	550	82	47.8	14.4	119	62	28	<5	38	<5	<0.5	97	217	480	<1	16	<1	144	<1	220	36	<1	430	<1	11	<10	9.3	78	<0.5	17	<1	371	34	1020	15
L600N-12+00W	7	199	<10	<0.1	2190	2	90	133	24	506	<100	920	21	20.5	1.3	201	6	4	9	30	<5	<0.5	9	115	1180	<1	2	<1	179	<1	92	3	<1	300	<1	2	<10	4.6	197	0.6	7	<1	100	18	2100	9
L600N-12+50W	13	196	<10	<0.1	2220	<1	130	372	91	129	<100	1010	102	71.1	11	154	53	21	<5	44	<5	<0.5	64	88	1320	<1	11	<1	24	<1	238	29	<1	370	<1	12	<10	9.5	102	<0.5	16	<1	429	50	3340	14
L600N-13+00W	6	282	<10	0.2	1150	3	50	19	47	52	<100	520	23	14	2.1	122	13	12	<5	15	<5	<0.5	22	84	70	<1	5	<1	90	<1	54	7	<1	150	<1	3	<10	5.3	135	<0.5	4	<1	123	9	1240	16
L600N-13+50W	<1	>300	<10	<0.1	690	<1	<10	8	<5	81	<100	120	<1	2.2	<0.5	72	<1	<1	<5	10	<5	<0.5	<1	27	<10	<1	<1	<1	30	<1	18	<1	<1	140	<1	<1	<10	0.6	59	<0.5	1	<1	<5	4	190	<5
L600N-14+00W	<1	272	<10	<0.1	440	<1	20	6	<5	71	<100	100	2	3.6	<0.5	83	<1	<1	5	10	<5	<0.5	4	21	20	<1	<1	<1	34	<1	15	<1	<1	100	<1	<1	<10	1.7	52	<0.5	2	<1	10	4	580	<5
L600N-14+50W	<1	>300	<10	<0.1	2180	<1	20	14	<5	163	<100	330	15	20.9	0.6	61	3	2	<5	11	<5	0.6	5	46	110	<1	<1	<1	157	<1	36	2	<1	190	<1	1	<10	2.3	328	<0.5	3	<1	93	20	910	12
L600N-15+00W	3	>300	<10	<0.1	1210	<1	20	10	<5	79	<100	170	4	6.9	<0.5	38	<1	1	<5	12	<5	<0.5	2	39	20	<1	<1	<1	111	<1	49	<1	<1	170	<1	<1	<10	0.6	26	<0.5	2	<1	20	8	330	<5
L600N-0+50E	3	126	<10	0.1	960	<1	100	11	30	266	<100	1830	10	7.6	1.9	226	8	11	<5	37	6	3.1	22	88	10	<1	4	<1	84	<1	33	6	<1	840	<1	1	<10	4.3	1430	<0.5	7	<1	48	6	130	34
L600N-1+00E	3	122	<10	<0.1	1640	<1	100	7	15	54	<100	2370	13	13.2	2.2	243	9	9	<5	26	<5	1.5	22	121	<10	<1	4	<1	88	<1	27	7	<1	870	<1	2	<10	2.3	961	<0.5	4	<1	61	12	40	15
L600N-1+50E	7	227	<10	<0.1	640	<1	50	15	<5	54	<100	230	3	2.1	<0.5	103	1	2	<5	9	<5	1.6	3	32	290	<1	<1	<1	44	<1	8	<1	<1	290	<1	<1	<10	2.3	940	<0.5	1	<1	15	2	1540	20
L600N-2+00E	2	217	<10	<0.1	450	<1	60	21	8	293	<100	380	2	2	<0.5	116	<1	2	<5	16	<5	2.8	3	36	60	<1	<1	<1	29	<1	14	<1	<1	310	<1	<1	<10	3.1	1510	<0.5	2	<1	11	2	1490	23
L600N-2+50E	8	185	<10	<0.1	810	<1	50	153	31	47	<100	3190	146	91.6	9.8	10	47	11	<5	14	<5	<0.5	51	38	330	<1	8	<1	91	<1	148	23	<1	460	<1	16	<10	3.2	110	<0.5	17	<1	571	54	490	11
L600N-3+00E	17	234	<10	<0.1	630	<1	20	97	74	38	<100	1890	127	64.3	17.1	42	78	28	<5	7	<5	1.8	125	57	250	<1	20	<1	107	<1	78	46	<1	280	<1	17	<10	3.2	1390	<0.5	9	<1	491	39	480	22
L600N-3+50E	35	259	<10	<0.1	890	<1	60	105	71	30	<100	2700	112	58.3	15.9	31	73	24	<5	18	<5	<0.5	125	61	460	<1	20	<1	67	<1	54	43	<1	590	<1	16	<10	2.9	248	<0.5	9	<1	456	33	600	7
L600N-4+00E	37	234	<10	0.1	1060	<1	70	120	101	12	<100	1450	90	42.2	15.8	23	71	41	<5	18	<5	1.4	131	43	460	<1	24	<1	142	<1	64	44	<1	600	<1	13	<10	3.9	1160	<0.5	10	<1	384	24	730	19
L600N-4+50E	6	197	<10	<0.1	530	<1	40	130	97	39	<100	1980	205	117	22.7	25	114	31	<5	10	7	0.7	160	50	570	<1	24	<1	125	<1	128	62	<1	360	<1	26	<10	5.1	487	<0.5	17	<1	823	67	830	21
L600N-5+00E	17	274	<10	<0.1	510	<1	10	89	74	205	<100	1150	91	55.4	8.9	63	45	33	<5	4	5	1.5	74	34	390	<1	14	<1	151	<1	79	26	<1	160	<1	11	<10	4.4	1130	<0.5	12	<1	378	35	520	27
L600N-5+50E	3	161	<10	<0.1	1010	<1	70	54	12	52	<100	1220	160	238	4.8	50	27	5	<5	22	<5	<0.5	27	25	190	<1	4	<1	81	<1	233	12	<1	620	<1	11	<10	4.7	27	<0.5	21	2	669	199	560	7
L600N-6+00E	2	269	20	<0.1	710	2	30	20	17	103	<100	180	8	6.9	1	159	4	8	<5	11	<5	4.3	11	17	250	<1	2	<1	21	<1	23	3	<1	320	<1	<1	<10	4.6	1660	<0.5	4	<1	41	6	530	30
L600N-6+50E	4	197	<10	1.1	770	<1	90	41	12	36	<100	290	69	81	3.3	42	18	5	<5	36	<5	<0.5	21	28	130	<1	3	<1	53	<1	85	8	<1	760	<1	5	<10	3.7	127	<0.5	10	<1	387	67	830	9
L600N-7+50E	9	>300	<10	0.7	510	<1	<10	14	<5	60	<100	130	3	2.8	<0.5	80	<1	2	<5	3	<5	0.6	2	14	190	<1	<1	<1	42	<1	14	<1	<1	90	<1	<1	<10	2.8	411	<0.5	2	<1	13	3	270	12
L600N- 8+00E	7	195	<10	0.2	1160	<1	60	29	<5	49	<100	120	<1	1.2	<0.5	187	<1	2	<5	7	<5	2.3	2	16	70	<1	<1	<1	44	<1	8	<1	<1	410	<1	<1	<10	2.2	895	<0.5	2	<1	5	1	660	13
L600N- 8+50E	3	166	<10	0.2	630	<1	<10	4	<5	31	<100	260	<1	0.5	<0.5	227	<1	3	<5	3	<5	1.6	2	20	20	<1	<1	<1	53	<1	<5	<1	<1	90	<1	<1	<10	2.3	865	<0.5	1	<1	<5	<1	60	17
L600N- 9+00E	1	281	<10	<0.1	470	<1	10	5	<5	28	<100	100	<1	0.8	<0.5	127	<1	1	5	6	<5	1.3	1	9	60	<1	<1	<1	10	<1	9	<1	<1	100	<1	<1	<10	2.6	676	<0.5	2	<1	<5	1	280	13
L600N- 9+50E	2	>300	<10	<0.1	1300	<1	30	12	<5	38	<100	60	2	1.5	<0.5	104	<1	2	<5	6	<5	1	2	16	50	<1	<1	<1	11	<1	9	<1	<1	270	<1	<1	<10	1.6	604	<0.5	2	<1	11	1	770	12
L600N-10+00E	20	205	10	<0.1	3480	<1	140	32	53	51	<100	180	26	12.3	6.5	55	30	35	<5	30	<5	2.3	73	26	240	<1	15	<1	47	<1	30	21	1	560	<1	4	<10	4.1	1340	<0.5	6	<1	140	7	290	21
L600N-10+50E	7	152	<10	<0.1	5040	<1	190	50	100	10	<100	350	123	67.1	26.1	21	130	69	<5	41	<5	0.8	213	54	150	<1	38	<1	60	<1	47	78	<1	760	<1	20	<10	2.6	259	<0.5	8	<1	641	40	860	9
L600N-11+50E	5	162	<10	0.1	2720	<1	90	49	136	6	<100	850	368	184	49.8	27	245	58	<5	24	<5	<0.5	330	70	440	<1	51	<1	115	<1	272	134	<1	690	<1	52	<10	6	77	<0.5	40	2	1550	109	870	14
L600N-12+50E	1	124	<10	<0.1	2400	<1	150	140	169	15	<100	280	113	80.7	17.4	34	83	34	<5	36	<5	<0.5	117	33	170	<1	21	<1	33	<1	92	49	<1	830	<1	16	<10	6.4	100	<0.5	9	<1	608	52	1180	11
L600N-13+00E	1	259	<10	<0.1	480	1	20	11	9	25	<100	160	4	2.9	<0.5	143	2	5	<5	9	<5	2.7	6	15	160	<1	1	<1	9	<1	16	2	<1	130	<1	<1	<10	3.6	1820	<0.5	3	<1	18	3	570	30
L600N-13+50E	12	292	40	<0.1	1020	<1	10	13	46	116	<100	290	9	5.7	1.5	211	8	20	<5	10	<5	3.9	20	50	140	<1	5	<1	93	1	52	5	<1	110	<1	1	<10	11.9	2810	<0.5	3	<1	42	4	820	69
L600N-14+00E	6	215	<10	<0.1	2030	<1	90	34	59	89	<100	310	46	28.8	7.4	77	35	23	<5	30	<5	1.9	61	70	220	<1	11	<1	74	<1	44	22	<1	600	<1	7	<10	5.4	1370	<0.5	6	<1	238	20	1770	30
L600N-14+50E	14	176	10	<0.1	2060	<1	90	24	86	71	<100	120	67	34.6	18.9	62	84	71	<5	18	<5	4.7	194	36	180	<1	37	<1	77	1	62	61	1	420	<1	12	<10	5.2	1950	<0.5	6	<1	345	24	690	37
L600N-15+00E	3	260	20	<0.1	630	<1	<10	10	27	38	<100	240	11	7.7	1.3	124	7	16	<5	2	<5	6.3	17	17	150	<1	4	<1	67	1	29	4	1	40	<1	1	<10	5.5	2530	<0.5	3	<1	59	5	430	44
L1000N-BL0+00W	23	274	10	0.3	960	2	20	36	419	30	<100	2430	358	178	62.8	36	282	144	<5	8	<5	<0.5	556	106	470	<1	95	<1	179	<1	271	179	<1	210	<1	55	<10	13.1	533	<0.5	33	1	1380	108	1570	40
L1000N-00+50W	11	233	<10	0.2	1680	<1	60	133	85	<5	<100	1130	353	216	38.4	23	198	52	<5	13	<5	<0.5	269	60	200	<1	42	<1	147	<1	263	102	<1	450	<1	46	<10	9.9	152	<0.5	161	2	1860	144	2980	16
L1000N-00+100W	20	278	50	0.2	500	4	<10	27	102	90	<100	450	39	22.9	5.5	148	26	29	<5	1	13	1.5	55	22	590	<1	10	<1	156	2	101	18	<1	30	<1	5	<10	19.3	2290	<0.5	20	1	154	18	470	75

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L1000N-00+150W	4	299	30	<0.1	1530	3	30	30	15	63	<100	300	11	7.3	1.2	143	6	5	<5	10	6	2.4	11	40	230	<1	2	<1	65	2	48	4	<1	350	<1	1	<10	6.9	2910	<0.5	4	<1	57	6	3540	29
L1000N-00+200W	1	249	<10	<0.1	1350	<1	30	20	<5	81	<100	110	5	5.9	<0.5	80	1	<1	6	10	<5	0.6	1	19	120	<1	<1	<1	24	<1	28	<1	<1	330	<1	<1	<10	2.3	416	<0.5	2	<1	27	6	1610	8
L1000N-00+250W	<1	267	<10	<0.1	1430	<1	30	8	<5	50	<100	<10	<1	<0.5	<0.5	118	<1	<1	32	12	<5	<0.5	<1	9	<10	<1	<1	<1	127	<1	12	<1	<1	230	<1	<1	<10	0.7	36	<0.5	<1	<1	<5	<1	310	<5
L1000N-03+00W	<1	246	<10	<0.1	580	1	60	10	<5	19	<100	130	1	1.3	<0.5	112	<1	1	<5	6	<5	0.6	1	12	60	<1	<1	<1	10	<1	9	<1	<1	450	<1	<1	<10	2.7	451	<0.5	2	<1	6	2	730	6
L1000N-03+50W	12	>300	60	<0.1	800	3	30	18	37	87	<100	260	7	3.7	0.9	241	5	13	<5	4	8	2.6	13	26	400	<1	3	<1	131	<1	35	3	<1	120	<1	<1	<10	21.2	2900	<0.5	6	<1	27	3	540	42
L1000N-04+00W	63	>300	30	<0.1	680	2	<10	15	19	29	<100	110	6	3.9	0.7	164	4	7	<5	4	<5	4.9	9	24	130	<1	2	<1	165	<1	43	3	<1	50	<1	<1	<10	10.6	2690	<0.5	5	<1	24	3	790	41
L1000N-04+50W	22	280	40	<0.1	670	3	20	14	61	80	<100	240	24	12.8	3.6	151	19	25	<5	3	<5	1.4	43	22	360	<1	9	<1	88	1	59	13	<1	70	<1	3	<10	10.6	1490	<0.5	5	<1	94	9	720	50
L1000N-05+00W	27	>300	60	0.2	810	2	<10	14	105	179	<100	690	18	8.8	3.6	208	16	38	<5	4	7	3.4	42	50	470	<1	11	<1	137	<1	91	11	<1	50	<1	3	<10	33.3	2390	<0.5	8	<1	96	7	920	107
L1000N-05+50W	9	273	<10	1.3	500	1	10	4	7	17	<100	170	3	1.8	<0.5	139	2	4	<5	3	<5	4.7	4	8	130	<1	<1	<1	40	<1	25	1	1	80	<1	<1	<10	4.4	2040	<0.5	2	<1	11	2	420	25
L1000N-06+00W	23	>300	20	0.9	380	<1	<10	7	17	26	<100	110	8	5.3	1	114	5	7	<5	3	<5	5.9	11	12	160	<1	2	<1	81	<1	41	3	1	50	<1	<1	<10	6.1	4020	<0.5	3	<1	37	4	300	37
L1000N-06+50W	19	299	30	0.5	300	2	<10	4	20	9	<100	80	7	4.4	1.4	123	7	8	<5	3	<5	14.8	14	13	130	<1	3	<1	107	1	33	4	3	40	1	1	<10	6.8	5550	<0.5	3	1	35	4	140	45
L1000N-07+00W	10	293	<10	0.2	350	1	<10	9	10	16	<100	110	4	2.6	<0.5	58	2	5	<5	3	<5	13.6	6	8	210	<1	1	<1	13	<1	15	1	2	80	<1	<1	<10	5.1	3860	<0.5	3	1	21	2	440	36
L1000N-07+50W	9	>300	10	0.1	160	<1	<10	5	5	18	<100	60	4	3.7	<0.5	80	2	2	<5	3	<5	5.1	3	5	190	<1	<1	<1	16	<1	17	<1	<1	30	<1	<1	<10	3.6	1980	<0.5	2	<1	21	3	300	55
L1000N-08+00W	6	>300	<10	<0.1	230	<1	<10	6	11	19	<100	100	13	8.9	1	55	6	4	<5	3	<5	5.8	7	10	120	<1	1	<1	24	<1	37	3	1	30	<1	1	<10	2.5	3340	<0.5	2	1	60	7	270	44
L1000N-08+50W	4	271	<10	<0.1	490	<1	<10	3	9	43	<100	80	4	3.1	<0.5	127	2	4	<5	5	<5	4.7	4	11	160	<1	<1	<1	18	<1	25	<1	1	80	<1	<1	<10	3.2	2700	<0.5	2	<1	19	3	570	62
L1000N-09+00W	14	266	60	<0.1	630	<1	10	11	159	29	<100	320	37	17	7.9	63	37	57	<5	4	<5	3.9	101	12	290	<1	22	<1	205	1	78	29	<1	40	<1	6	<10	11	3080	<0.5	6	1	156	13	390	75
L1000N-09+50W	6	294	<10	<0.1	870	<1	40	9	<5	78	<100	230	3	2.7	<0.5	40	<1	<1	<5	14	<5	<0.5	1	38	30	<1	<1	<1	80	<1	25	<1	<1	220	<1	<1	<10	0.8	137	<0.5	1	<1	11	3	350	8
L1000N-10+00W	18	171	<10	0.1	1610	<1	70	9	41	22	<100	420	22	12.4	2.8	29	14	11	<5	20	<5	1.5	24	27	90	<1	5	<1	321	<1	67	9	<1	280	<1	3	<10	3.4	2360	<0.5	5	<1	92	9	370	51
L1000N-10+50W	23	262	30	<0.1	840	<1	40	20	41	18	<100	220	22	12.4	3.5	91	17	12	<5	9	<5	8.1	32	52	160	<1	6	<1	109	<1	52	11	<1	180	<1	3	<10	5.7	3640	<0.5	5	<1	97	9	1450	46
L1000N-11+00W	14	225	<10	<0.1	1040	<1	60	71	55	20	<100	560	89	49	10.9	21	52	20	<5	14	<5	<0.5	94	69	240	<1	16	<1	138	<1	109	32	<1	440	<1	12	<10	3.2	322	<0.5	12	<1	374	35	690	18
L1000N-11+50W	8	232	<10	<0.1	1170	<1	50	71	20	24	<100	710	60	39	5.3	19	27	5	<5	15	<5	<0.5	37	88	180	<1	6	<1	153	<1	97	15	<1	460	<1	7	<10	2	98	<0.5	7	<1	296	30	780	9
L1000N-12+00W	26	92	<10	0.2	2600	<1	450	30	7	5	<100	1660	91	59	14.9	6	78	45	<5	83	<5	<0.5	118	25	10	<1	19	<1	44	<1	80	41	<1	2450	<1	13	<10	1.1	10	<0.5	7	<1	432	40	5690	13
L1000N-12+50W	21	111	<10	0.2	2440	<1	410	24	11	<5	<100	1050	80	40.9	17.5	8	83	50	<5	77	<5	<0.5	133	22	20	<1	22	<1	43	<1	70	49	<1	2060	<1	12	<10	1	11	<0.5	6	<1	363	25	4090	15
L1000N-13+00W	9	196	<10	<0.1	1060	<1	<10	13	6	46	<100	270	16	14.4	0.6	9	3	2	<5	5	<5	<0.5	4	20	30	<1	<1	<1	61	<1	44	2	<1	70	<1	1	<10	0.5	49	<0.5	2	<1	68	12	90	7
L1000N-13+50W	9	247	<10	<0.1	930	<1	<10	14	6	62	<100	300	16	13.2	0.6	15	4	2	<5	4	<5	<0.5	4	27	40	<1	<1	<1	69	<1	40	1	<1	60	<1	1	<10	0.8	149	<0.5	2	<1	63	10	160	9
L1000N-14+00W	<1	218	<10	<0.1	1630	<1	240	37	<5	137	<100	370	11	18.4	<0.5	49	3	1	<5	81	<5	<0.5	4	78	30	<1	<1	<1	90	<1	40	1	<1	1380	<1	<1	<10	0.9	83	<0.5	2	<1	72	19	1030	<5
L1000N-14+50W	23	>300	<10	<0.1	800	<1	20	27	6	98	<100	560	16	10.2	1	26	5	2	<5	14	<5	<0.5	6	80	80	<1	<1	<1	52	<1	34	3	<1	270	<1	2	<10	0.8	344	<0.5	2	<1	67	7	340	10
L1000N-15+00W	2	288	<10	<0.1	850	<1	100	29	<5	110	<100	90	<1	<0.5	<0.5	51	<1	<1	6	43	<5	<0.5	<1	54	<10	<1	<1	<1	59	<1	23	<1	<1	510	<1	<1	<10	<0.5	38	<0.5	<1	<1	<5	<1	390	<5
L1000N-00+50E	5	145	30	0.1	850	1	120	30	323	45	<100	420	49	23.4	12.3	55	54	78	<5	19	7	0.7	148	62	240	<1	33	<1	142	<1	95	42	<1	470	<1	8	<10	14	692	<0.5	19	<1	193	17	1900	58
L1000N-01+00E	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
DUP-L600N- 2+00W	6	228	<10	<0.1	950	<1	80	93	<5	41	<100	920	8	7.7	<0.5	64	2	2	<5	20	<5	<0.5	3	58	60	<1	<1	<1	100	<1	21	<1	<1	490	<1	<1	<10	1.9	151	<0.5	4	<1	34	6	2820	7
DUP-L600N- 9+00W	6	198	<10	<0.1	680	<1	30	17	<5	55	<100	510	<1	0.5	<0.5	233	<1	1	<5	4	<5	<0.5	2	18	<10	<1	<1	<1	76	<1	<5	<1	<1	200	<1	<1	<10	0.6	84	<0.5	1	<1	<5	<1	170	<5
DUP-L600N-14+00W	<1	256	<10	<0.1	480	<1	20	5	<5	80	<100	70	1	2.5	<0.5	91	<1	<1	6	10	<5	<0.5	<1	19	<10	<1	<1	<1	32	<1	15	<1	<1	100	<1	<1	<10	1.6	30	<0.5	2	<1	<5	4	390	<5
DUP-L600N-11+50E	6	166	<10	0.2	3080	<1	90	46	151	<5	<100	830	367	186	53.6	29	261	70	<5	23	<5	<0.5	371	73	430	<1	57	<1	116	<1	266	146	<1	670	<1	52	<10	6.9	77	<0.5	44	2	1540	113	900	17
DUP-L1000N-03+00W	<1	265	<10	<0.1	550	<1	60	8	<5	19	<100	130	1	1.3	<0.5	118	<1	1	<5	5	<5	0.6	1	13	60	<1	<1	<1	10	<1	9	<1	<1	420	<1	<1	<10	2.4	385	<0.5	2	<1	6	2	690	<5
DUP-L1000N-08+00W	6	293	<10	<0.1	280	<1	<10	6	14	21	<100	90	13	9.1	1.2	65	6	5	<5	3	<5	7.5	8	10	120	<1	2	<1	33	1	40	3	2	30	<1	1	<10	3.1	4420	<0.5	2	1	60	8	280	62
DUP-L1000N-12+00W	25	103	<10	0.2	2780	<1	470	28	8	<5	<100	1460	79	52.5	14.2	7	70	46	<5	88	<5	<0.5	107	27	10	<1	20	<1	43	<1	82	39	<1	2440	<1	11	<10	1	6	<0.5	7	<1	403	35	5230	15
MMISRM18	20	31	20	9.3	130	<1	130	82	35	64	<100	760	5	1.7	1.7	4	8	10	<5	93	31	<0.5	28	504	400	14	5	6	164	<1	5	7	<1	1040	<1	1	<10	28.3	22	<0.5	30	<1	26	1	720	27
MMISRM16	16	47	20	31.9	70	<1	170	4	22	50	<100	620	3	1.1	1.2	3	5	5	<5	38	45	<0.5	18	209	130	27	3	<1	333	<1	10	5	<1	470	<1	<1	<10	26.4	37	<0.5	57	<1	11	<1	220	14
MMISRM18	24	49	20	9.7	190	<1	140	88	46	72	100	710	8	3.3	2.2	6	12	14	<5	89	35	<0.5	32	593	570	15	7	7	162	<1	11	9	<1	910	<1	2	<10	42.3	21	<0.5	39	<1	39	2	720	33
BLANK	<1	1	<10	<0.1	10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	9	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	30	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	2	<10	<0.1	10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	21	<0.5	<1	<1	<5	<1	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Line6+00S BL(06+00S)	6	230	<10	<0.1	2500	<1	150	38	70	37	<100	290	32	14.3	6.9	48	30	36	<5	32	<5	0.8	79	42	400	<1	15	<1	58	1	23	21	<1	1250	<1	5	<10	5.3	185	<0.5	4	<1	186	8	740	7
Line6+00S 00+50w	4	>300	<10	<0.1	770	<1	20	10	13	93	<100	120	16	8.5	2	65	10	7	<5	5	<5	2.9	17	26	280	<1	3	<1	85	<1	20	5	<1	180	<1	2	<10	3.1	879	<0.5	2	<1	97	5	490	14
Line6+00S 01+00w	1	194	<10	<0.1	1670	<1	150	62	192	53	<100	490	270	130	49.1	34	219	152	<5	28	<5	1	419	33	570	<1	78	<1	102	1	64	137	<1	740	<1	40	<10	5.3	250	<0.5	10	1	1410	71	620	10
Line6+00S 01+50w	7	113	<10	<0.1	1590	<1	300	39	57	100	<100	370	69	38	15	60	69	64	<5	41	<5	0.5	129	52	300	<1	24	<1	98	<1	42	43	<1	1100	<1	11	<10	2.6	73	<0.5	10	<1	401	24	380	6
Line6+00S 02+00w	20	83	<10	0.1	2590	<1	460	53	9	40	<100	310	28	27.9	3.7	7	19	16	<5	64	<5	<0.5	31	95	120	<1	6	<1	90	<1	27	10	<1	2030	<1	3	<10	2.5	10	<0.5	21	<1	178	26	230	10
Line6+00S 02+50w	2	>300	<10	<0.1	1840	<1	110	8	<5	203	<100	50	2	6.3	<0.5	80	<1	2	7	29	<5	<0.5	2	55	<10	<1	<1	<1	39	<1	62	<1	<1	680	<1	<1	<10	2.8	23	<0.5	5	<1	14	13	110	<5
Line6+00S 03+00w	43	80	<10	0.2	2950	<1	560	36	14	23	<100	660	54	46.1	8.2	7	37	26	<5	73	<5	<0.5	56	95	70	<1	10	<1	144	<1	35	21	<1	2210	<1	7	<10	2.7	<3	<0.5	34	<1	354	39	430	10
Line6+00S 03+50w	64	72	<10	0.2	1710	<1	460	69	15	21	<100	520	54	50.2	6.9	6	37	20	<5	58	<5	<0.5	48	141	150	<1	8	<1	65	<1	28	18	<1	1830	<1	7	<10	2.4	6	<0.5	64	<1	348	43	440	7
Line6+00S 04+00w	4	158	<10	<0.1	1470	<1	350	119	62	40	<100	790	66	45	9	34	43	31	<5	30	<5	<0.5	68	89	450	<1	13	<1	320	<1	65	24	<1	980	<1	9	<10	8.3	14	<0.5	65	<1	418	28	3470	8
Line6+00S 04+50w	48	64	<10	0.3	720	<1	330	354	121	6	<100	2430	56	40.6	9.3	9	41	18	9	16	12	<0.5	51	147	90	<1	8	<1	38	<1	30	20	<1	1100	<1	7	<10	0.8	<3	<0.5	435	<1	396	33	1280	13
Line6+00S 05+00w	4	>300	<10	<0.1	1210	<1	<10	11	<5	48	<100	90	<1	1.7	<0.5	37	<1	<1	<5	5	<5	<0.5	<1	26	<10	<1	<1	<1	109	<1	22	<1	<1	160	<1	<1	<10	1.1	25	<0.5	2	<1	<5	4	70	<5
Line6+00S 05+50w	5	294	<10	<0.1	510	<1	<10	9	<5	34	<100	110	1	1.9	<0.5	43	<1	<1	<5	3	<5	<0.5	<1	13	20	<1	<1	<1	126	<1	11	<1	<1	60	<1	<1	<10	1.1	102	<0.5	2	<1	6	2	60	<5
Line6+00S 06+00w	<1	268	<10	<0.1	750	<1	<10	4	<5	56	<100	120	1	2.1	<0.5	28	<1	<1	<5	4	<5	<0.5	<1	16	30	<1	<1	<1	128	<1	16	<1	<1	90	<1	<1	<10	1.6	47	0.8	2	<1	5	2	130	8
Line6+00S 06+50w	3	>300	<10	<0.1	720	<1	<10	9	<5	21	<100	30	<1	0.7	<0.5	82	<1	<1	<5	3	<5	<0.5	<1	12	<10	<1	<1	<1	70	<1	12	<1	<1	80	<1	<1	<10	0.6	38	<0.5	<1	<1	<5	2	200	<5
Line6+00S 07+00w	<1	268	<10	<0.1	3490	<1	40	33	<5	156	<100	20	<1	0.7	<0.5	122	<1	1	<5	10	<5	1.1	1	25	10	<1	<1	<1	87	<1	48	<1	<1	290	<1	<1	<10	2.2	113	<0.5	2	<1	<5	2	690	6
Line6+00S 07+50w	10	254	<10	0.3	2150	<1	<10	27	160	14	<100	310	42	21.8	6.4	9	34	60	<5	1	<5	0.9	108	17	130	<1	22	<1	131	<1	32	25	<1	40	<1	7	<10	3.4	850	0.6	3	<1	243	14	240	37
Line6+00S 08+00w	3	252	<10	<0.1	550	<1	<10	21	8	27	<100	180	17	13.2	0.8	72	6	3	<5	3	<5	1	7	27	360	<1	1	<1	116	<1	18	3	<1	90	<1	2	<10	2.7	319	<0.5	2	<1	90	10	440	9
Line6+00S 08+50w	11	235	<10	<0.1	1270	<1	80	64	53	38	<100	510	83	44.9	11.3	35	54	19	<5	15	<5	2	93	49	580	<1	14	<1	179	<1	55	33	<1	600	<1	12	<10	4.4	302	<0.5	11	<1	374	26	1130	14
Line6+00S 09+00w	3	297	<10	<0.1	2730	<1	50	25	<5	99	<100	120	<1	2.1	<0.5	50	<1	<1	<5	12	<5	<0.5	<1	38	<10	<1	<1	<1	91	<1	17	<1	<1	600	<1	<1	<10	0.5	10	<0.5	<1	<1	<5	4	180	<5
Line6+00S 09+50w	16	145	<10	<0.1	930	<1	50	25	43	39	<100	260	91	44.7	13.7	8	69	28	<5	7	<5	<0.5	130	39	110	<1	21	<1	46	<1	76	41	<1	380	<1	13	<10	0.7	107	<0.5	4	<1	419	27	300	<5
Line6+00S 10+00w	28	177	<10	<0.1	1280	<1	100	11	69	6	<100	160	35	15.2	6.5	5	32	33	<5	27	<5	<0.5	74	19	150	<1	14	<1	29	<1	26	20	<1	510	<1	6	<10	0.7	37	<0.5	3	<1	179	9	60	<5
Line6+00S 10+50w	48	90	<10	0.1	5350	<1	230	11	9	<5	<100	420	148	89.6	23.5	5	118	60	<5	59	<5	<0.5	170	22	60	<1	28	<1	19	<1	128	63	<1	1270	<1	22	<10	0.6	7	<0.5	13	<1	864	52	100	10
Line6+00S 11+00w	6	285	<10	<0.1	440	<1	<10	12	<5	8	<100	170	3	3.4	<0.5	27	<1	1	<5	1	<5	<0.5	2	9	50	<1	<1	<1	51	<1	9	<1	<1	30	<1	<1	<10	0.6	65	<0.5	<1	<1	18	3	100	<5
Line6+00S 11+50w	7	119	<10	<0.1	4550	<1	270	55	22	6	<100	610	130	79.7	15.8	14	78	33	<5	51	<5	<0.5	106	46	170	<1	19	<1	51	<1	70	40	<1	1750	<1	17	<10	1.4	8	<0.5	18	<1	731	48	830	7
Line6+00S 12+00w	2	269	<10	<0.1	1900	<1	60	52	<5	18	<100	280	25	18.2	1.2	50	7	2	<5	15	<5	<0.5	6	56	110	<1	<1	<1	75	<1	79	3	<1	450	<1	2	<10	3.4	158	<0.5	7	<1	122	12	1020	9
Line6+00S 12+50w	<1	248	<10	<0.1	1860	<1	70	50	<5	26	<100	210	16	16	0.7	49	4	1	<5	17	<5	<0.5	4	53	70	<1	<1	<1	84	<1	85	2	<1	460	<1	1	<10	3.1	121	<0.5	7	<1	88	13	1060	8
Line6+00S 13+00w	35	117	<10	0.4	2460	<1	220	12	26	43	100	680	160	187	17.1	24	78	31	<5	31	<5	<0.5	98	138	80	<1	16	<1	25	<1	176	39	<1	1320	<1	16	<10	2	25	<0.5	74	2	921	174	430	22
Line6+00S 13+50w	<1	204	<10	<0.1	1820	<1	90	13	<5	73	<100	10	<1	0.6	<0.5	122	<1	<1	11	19	<5	<0.5	<1	29	<10	<1	<1	<1	32	<1	19	<1	<1	580	<1	<1	<10	0.6	41	<0.5	2	<1	<5	1	150	<5
Line6+00S 14+00w	<1	227	<10	<0.1	1870	<1	100	53	<5	84	<100	160	7	9.5	<0.5	46	1	<1	<5	27	<5	<0.5	1	68	40	<1	<1	<1	68	<1	46	<1	<1	980	<1	<1	<10	1.3	58	<0.5	1	<1	40	9	460	<5
Line6+00S 14+50w	2	276	<10	<0.1	490	<1	<10	10	<5	24	<100	100	<1	1	<0.5	34	<1	<1	<5	3	<5	<0.5	<1	15	<10	<1	<1	<1	75	<1	12	<1	<1	60	<1	<1	<10	<0.5	63	<0.5	<1	<1	<5	2	50	<5
Line6+00S 15+00w	<1	294	<10	<0.1	640	<1	<10	9	<5	118	<100	110	2	3.8	<0.5	39	<1	<1	<5	5	<5	<0.5	<1	35	<10	<1	<1	<1	111	<1	37	<1	<1	90	<1	<1	<10	0.6	88	<0.5	<1	<1	10	5	210	5
Line200N 00+50E	1	108	<10	0.1	3070	<1	240	42	18	199	<100	890	16	17.3	2.6	76	11	17	<5	78	<5	<0.5	28	221	300	<1	6	<1	113	<1	31	8	<1	1640	<1	2	<10	2.3	44	<0.5	38	<1	95	17	370	9
Line200N 1+00E	<1	111	<10	<0.1	2600	<1	300	98	11	58	<100	500	53	65.8	2.6	32	15	8	<5	105	<5	<0.5	19	56	310	<1	3	<1	89	<1	34	7	<1	2380	<1	4	<10	1	19	<0.5	14	<1	366	59	1100	<5
Line200N 1+50E	6	121	<10	0.5	2790	<1	230	42	50	99	<100	640	36	32.4	6.2	31	25	31	<5	63	<5	<0.5	54	176	980	<1	12	<1	106	<1	42	16	<1	1530	<1	5	<10	3.6	25	<0.5	37	<1	229	29	800	18
Line200N 2+00E	2	138	<10	0.2	2620	<1	230	50	23	153	<100	720	47	41.5	6.3	61	28	26	<5	71	<5	<0.5	52	45	780	<1	9	<1	49	<1	25	17	<1	1690	<1	5	<10	2.4	55	<0.5	9	<1	284	31	1290	9
Line200N 2+50E	1	>300	<10	<0.1	1800	<1	70	16	<5	91	<100	320	1	2.8	<0.5	60	<1	<1	<5	19	<5	<0.5	1	44	30	<1	<1	<1	87	<1	22	<1	<1	580	<1	<1	<10	1.8	90	<0.5	1	<1	9	4	250	5
Line200N 3+00E	20	152	<10	0.1	2550	<1	150	58	118	10	<100	820	145	79.2	25.2	17	117	69	<5	36	<5	<0.5	213	78	290	<1	35	<1	197	<1	80	72	<1	1170	<1	20	<10	5.2	199	<0.5	29	<1	643	47	1120	14
Line200N 3+50E	5	186	<10	<0.1	1800	<1	150	90	175	<5	<100	1360	241	128	36.1	19	174	73	<5	44	<5	<0.5	303	84	260	<1	49	<1	83	<1	96	104	<1	1370	<1	34	<10	4.1	54	<0.5	15	1	1200	74	900	7
Line200N 4+00E	1	207	<10	<0.1	1190	<1	140	42	<5	65	<100	100	9	9	0.5	86	3	1	<5	44	<5	<0.5	4	38	110	<1	<1	<1	40	<1	22	1	<1	1290	<1	<1	<10	2.2	44	<0.5	2	<1	52	7	690	<5
Line200N 4+50E	<1	149	<10	<0.1	1950	<1	150	205	22	41	<100	340	48	87.9	2.8	34	14	9	<5	39	<5	<0.5	23	67	90	<1	4	<1	114	<1	49	8	<1	1420	<1	4	<10	1.3	30	0.6	9	<1	309	84	1600	<5
Line200N 5+00E	4	270	<10	<0.1	1380	<1	100	50	<5	69	<100	390	7	7	<0.5	112	2	1	<5	22	<5	<0.5	3	45	300	<1	<1	<1	30	<1	28	1	<1	590	<1	<1	<10	3	226	<0.5	3	<1	36	6	690	6
Line200N 5+50E	2	294	<10	<0.1	390	<1	<10	6	7	20	<100	120	3	1.9	<0.5	64	1	3	<5	4	<5	3.4	4	19	300	<1	<1	<1	95	<1	16	1	<1	90	<1	<1	<10	2.6	1450	<0.5	1	<1	15	2	300	30
Line200N 6+00E	2	>300	10	<0.1	850	<1	30	19	8	66	<100	160	4	2.8	<0.5	70	2	3	<5	5	<5	2.6	5	36	430	<1	1	<1	86	<1	24	1	<1	210	<1	<1	<10	3.9	1290	<0.5	1	<1	21	3	710	33
Line200N 6+50E	6	280	20	0.2	1960	<1	30	51	102	194	<100	910	126	79.8	12.3	96	58	33	<5	10	<5	1.7	84	78	240	<1	16	<1	135	<1	209	34	<1	190	<1	15	<10	20.3	1280	<0.5	12	<1	473	58	1480	92
Line200N 7+00E	17	>300	20	<0.1	910	<1	<10	39	22	92	<100	500	11	7.4	1.1	93	5	9	<5	4	<5	2.1	11	32	140	<1	3	<1	93	<1	36	4	<1	90	<1	1	<10	9.6	1330	0.5	3	<1	46	6	610	50
Line200N 7+50E	5	229	30	0.3	1920	<1	60	14	55	103	<100	380	92	77.3	7.8	91	39	16	<5	14	<5	3.6	49	59	290	<1	8	<1	232	<1	146	21	<1	340	<1	10	<10	16.5	2580	0.5	16	<1	434	61	1300	94
Line200N 8+00E	98	264	<10	<0.1	1080	<1	<10	13	<5	185	<100	380	9	7.9	0.6	59	3	2	<5	4	<5	0.8	4	44	170	<1	<1	<1	33	<1	22	1	<1	120	<1	<1	<10	3	588	<0.5	4	<1	49	6	590	13
Line200N 8+50E	2	221	<10	<0.1	2650	<1	100	31	<5	42	<100	100	16	14.7	0.9	99	5	2	<5	23	<5	<0.5	6	38	100	<1	<1	<1	16	<1	22	2	<1	610	<1	2	<10	2.6	317	<0.5	3	<1	102	12	1250	8
Line200N 9+00E	3	>300	<10	<0.1	460	<1	10	8	<5	10	<100	180	2	1.5	<0.5	79	<1	2	<5	3	<5	1	2	11	60	<1	<1	<1	40	<1	8	<1	<1	120	<1	<1	<10	1.4	742	<0.5	1	<1	8	2	260	12
Line200N 9+50E	2	272	<10	<0.1	540	<1	40	6	5	57	<100	60	3	2.2	<0.5	117	1	3	<5	11	<5	2.9	4	21	100	<1	<1	<1	17	<1	21	<1	<1	240	<1	<1	<10	2.6	1080	<0.5	2	<1	13	2	370	20
Line200N 10+00E	4	170	<10	<0.1	2890	<1	90	80	33	37	<100	630	287	184	23.3	42	127	18	<5	34	<5	<0.5	123	54	260	<1	18	<1	86	<1	150	57	<1	780	<1	32	<10	5.3	82	<0.5	12	1	1550	106	1240	8
Line200N 10+50E	<1	77	<10	<0.1	1470	<1	70	16	10	102	<100	80	12	11.7	1.9	78	9	6	<5	25	<5	0.5	17	12	20	<1	3	<1	30	<1	44	5	<1	600	<1	2	<10	2.6	157	<0.5	16	<1	67	9	480	9
Line200N 11+00E	5	149	<10	<0.1	3000	<1	160	25	104	45	<100	190	182	95.3	34	40	173	98	<5	42	<5	<0.5	285	52	170	<1	50	<1	60	<1	111	97	<1	900	<1	27	<10	5.1	160	<0.5	10	<1	969	57	450	17
Line200N 11+50E	11	285	10	<0.1	480	<1	<10	9	7	42	<100	110	7	5.2	0.7	102	4	6	<5	3	<5	2.2	7	11	210	<1	1	<1	28	<1	16	2	<1	100	<1	<1	<10	3.9	1440	<0.5	2	<1	40	3	280	27
Line200N 12+00E	1	185	<10	<0.1	2980	<1	80	67	148	26	<100	180	168	97.8	20.8	36	107	31	<5	26	<5	0.7	145	35	230	<1	24	<1	28	<1	83	60	<1	720	<1	21	<10	5.3	341	<0.5	7	<1	884	59	770	10
Line200N 12+50E	<1	156	<10	<0.1	2010	<1	80	31	57	38	<100	220	152	97.4	14.4	62	80	24	<5	22	<5	0.6	92	27	150	<1	15	<1	50	<1	112	37	<1	670	<1	18	<10	7.7	209	<0.5	19	1	820	54	290	15
Line200N 13+00E	13	287	10	<0.1	570	<1	20	9	14	82	<100	140	10	6.2	1.1	109	6	9	<5	5	<5	10.4	12	18	180	<1	2	<1	50	<1	20	4	1	160	<1	1	<10	4.1	2050	<0.5	2	<1	60	4	550	46
Line200N 13+50E	16	237	30	<0.1	1710	<1	70	18	41	91	<100	190	17	8.1	3	94	15	21	<5	5	<5	2.6	33	43	210	<1	7	<1	206	1	35	10	<1	350	<1	3	<10	10.7	1940	<0.5	5	<1	81	5	960	59
Line200N 14+00E	3	288	20	<0.1	730	<1	<10	6	9	23	<100	120	7	4.8	0.8	111	4	6	<5	2	<5	3.8	9	17	230	<1	2	<1	41	<1	19	2	<1	90	<1	<1	<10	3	2930	<0.5	2	<1	46	4	400	32
Line200N 14+50E	7	263	10	<0.1	1270	<1	10	16	25	33	<100	220	12	6.9	2.1	107	9	11	<5	4	<5	4.5	21	24	140	<1	4	<1	43	1	27	7	<1	210	<1	2	<10	5.1	2480	<0.5	3	<1	54	6	660	44
Line200N 15+00E	5	263	<10	<0.1	2060	<1	30	19	18	42	<100	140	10	7.5	1.7	122	8	8	<5	8	<5	3.9	17	42	170	<1	3	<1	27	2	34	5	<1	310	<1	1	<10	5.5	2280	<0.5	3	<1	52	6	1020	45
Line200N BL 0+00N	3	88	<10	0.1	3020	<1	210	28	17	180	<100	770	14	22.6	1.7	61	7	9	<5	68	<5	<0.5	17	201	60	<1	3	<1	50	<1	27	5	<1	1530	<1	2	<10	1.6	28	<0.5	51	<1	80	23	420	7
Line200N 00+50w	3	146	<10	<0.1	1910	<1	350	33	37	17	<100	320	87	47.4	26	52	104	144	<5	90	<5	<0.5	254	40	320	<1	48	<1	47	<1	40	68	<1	1880	<1	15	<10	5	38	<0.5	10	<1	519	26	570	<5
Line200N 01+00w	<1	166	<10	<0.1	3860	<1	200	56	<5	57	<100	220	27	27.1	2.3	74	11	5	<5	62	<5	<0.5	14	45	120	<1	3	<1	131	<1	23	6	<1	1540	<1	3	<10	1.9	39	<0.5	13	<1	160	19	3580	<5
Line200N 01+50w	<1	27	<10	0.1	1430	<1	130	5	<5	137	<100	60	2	1.5	<0.5	33	2	1	<5	38	15	<0.5	4	352	<10	<1	<1	<1	71	<1	5	1	<1	730	<1	<1	<10	<0.5	14	<0.5	19	<1	16	1	460	5
Line200N 02+50w	5	73	<10	0.1	1290	<1	150	60	22	132	<100	2840	24	14.8	5.9	140	22	31	<5	38	11	<0.5	56	235	300	<1	10	<1	149	<1	32	17	<1	790	<1	4	<10	2.2	62	<0.5	51	<1	151	10	670	7
Line200N 03+00w	2	86	<10	<0.1	2910	<1	290	293	36	11	<100	560	111	72.3	21.1	15	101	42	<5	67	<5	<0.5	138	74	120	<1	22	<1	120	<1	54	54	<1	1370	<1	16	<10	1.9	11	<0.5	24	<1	681	42	1240	10
Line200N 03+50w	9	292	<10	<0.1	2580	<1	20	63	<5	141	<100	270	<1	2.8	<0.5	47	<1	<1	<5	15	<5	<0.5	<1	57	<10	<1	<1	<1	45	<1	19	<1	<1	290	<1	<1	<10	<0.5	14	<0.5	1	<1	6	5	360	<5
Line200N 04+00w	20	222	<10	0.2	5820	<1	20	421	8	<5	<100	1230	34	32.4	3	36	15	9	<5	7	<5	1	25	103	10	<1	5	<1	86	<1	106	9	<1	210	<1	3	<10	11.5	395	<0.5	57	<1	179	24	12700	20
Line200N 04+50w	3	293	<10	<0.1	1310	2	<10	6	<5	23	<100	90	<1	1	<0.5	71	<1	<1	<5	4	<5	<0.5	<1	24	50	<1	<1	<1	53	<1	12	<1	<1	260	<1	<1	<10	0.7	181	0.5	1	<1	<5	2	390	<5
Line200N 05+00w	5	288	<10	<0.1	910	<1	<10	7	<5	27	<100	20	<1	<0.5	<0.5	100	<1	<1	<5	5	<5	<0.5	<1	17	<10	<1	<1	<1	42	<1	9	<1	<1	120	<1	<1	<10	0.8	28	<0.5	1	<1	<5	<1	160	<5
Line200N 05+50w	5	>300	<10	<0.1	490	<1	<10	8	<5	52	<100	110	<1	1.5	<0.5	45	<1	<1	<5	3	<5	<0.5	<1	22	30	<1	<1	<1	47	<1	16	<1	<1	70	<1	<1	<10	0.9	17	0.6	2	<1	<5	2	190	<5
Line200N 06+00w	22	279	<10	0.2	350	2	<10	25	19	55	<100	350	9	4.9	1.1	33	5	4	<5	3	<5	<0.5	9	98	140	<1	2	<1	187	<1	33	3	<1	30	<1	1	<10	6.4	217	1.3	3	<1	38	3	430	13
Line200N 06+50w	3	>300	<10	<0.1	770	<1	<10	19	<5	43	<100	100	<1	<0.5	<0.5	64	<1	<1	<5	3	<5	<0.5	<1	14	<10	<1	<1	<1	65	<1	<5	<1	<1	110	<1	<1	<10	1	<3	0.6	2	<1	<5	<1	180	<5
Line200N 08+00w	37	114	<10	0.6	1200	<1	230	90	748	26	<100	5160	98	48.2	27.4	25	114	250	<5	73	<5	<0.5	356	49	20	<1	77	<1	211	<1	126	94	<1	470	<1	17	<10	7.5	14	1.9	6	<1	425	31	3840	<5
DUP-Line6+00S 02+50w	2	>300	<10	<0.1	1530	<1	100	7	<5	195	<100	80	7	15.1	<0.5	81	2	2	<5	28	<5	<0.5	4	56	<10	<1	<1	<1	42	<1	63	<1	<1	650	<1	<1	<10	4	25	<0.5	7	<1	39	21	110	<5
DUP-Line6+00S 11+00w	5	270	<10	<0.1	480	<1	<10	13	<5	8	<100	180	4	4.1	<0.5	26	<1	<1	<5	1	<5	<0.5	<1	12	50	<1	<1	<1	51	<1	11	<1	<1	30	<1	<1	<10	<0.5	38	<0.5	<1	<1	18	4	100	<5
DUP-Line200N 2+50E	1	>300	<10	<0.1	2070	<1	80	13	<5	102	<100	250	<1	2.1	<0.5	62	<1	<1	<5	18	<5	<0.5	<1	47	20	<1	<1	<1	87	<1	19	<1	<1	650	<1	<1	<10	1.7	61	<0.5	1	<1	6	3	230	5
DUP-Line200N 10+00E	5	174	<10	<0.1	2890	<1	80	76	44	38	<100	660	291	176	27.8	45	147	24	<5	32	<5	<0.5	163	55	270	<1	23	<1	85	<1	146	72	<1	690	<1	34	<10	6.2	93	<0.5	12	1	1610	108	1190	8
DUP-Line200N 01+00w	2	150	<10	<0.1	3440	<1	200	50	<5	63	<100	200	24	24.7	2	67	9	5	<5	60	<5	<0.5	14	44	120	<1	2	<1	131	<1	20	5	<1	1430	<1	2	<10	1.6	41	<0.5	13	<1	137	18	3110	<5
DUP-Line200N 03+00w	2	82	<10	<0.1	2690	<1	280	276	22	22	<100	560	79	63.9	13.1	13	64	29	<5	68	<5	<0.5	90	62	120	<1	15	<1	116	<1	43	34	<1	1320	<1	11	<10	1.5	9	<0.5	24	<1	525	40	1160	9
MMISRM18	19	29	20	8.5	170	<1	140	77	35	68	<100	820	5	2.1	1.8	4	9	10	<5	92	31	<0.5	29	548	440	12	5	6	165	<1	9	8	<1	1310	<1	1	<10	29.1	11	<0.5	34	<1	31	1	710	29
MMISRM16	15	56	20	28.6	60	<1	170	4	25	52	<100	580	3	1.2	1.2	3	5	6	<5	35	44	<0.5	18	221	100	23	3	<1	343	<1	11	5	<1	490	<1	<1	<10	28.7	9	<0.5	52	<1	11	<1	210	16
BLANK	2	1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	14	<0.5	<1	<1	<5	<1	<20	<5
BLANK	1	1	<10	<0.1	20	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	19	<0.5	<1	<1	<5	<1	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L1400N-BL0+00	17	262	10	<0.1	700	1	50	20	8	136	<100	130	4	3.4	<0.5	155	2	4	<5	12	<5	4.4	4	39	140	<1	<1	<1	16	1	25	1	1	240	<1	<1	<10	4.8	2510	0.7	2	1	22	3	1330	27
L1400N-0+50W	10	255	10	<0.1	810	<1	20	18	12	78	<100	210	5	4.1	<0.5	162	2	5	<5	6	<5	4.1	6	20	130	<1	1	<1	23	<1	25	1	<1	150	<1	<1	<10	5.8	1920	<0.5	3	<1	25	3	1120	37
L1400N-1+00W	31	269	10	<0.1	1220	<1	90	32	22	69	<100	330	28	20.2	1.9	128	10	10	<5	21	<5	1.9	18	43	260	<1	3	<1	19	<1	29	6	<1	400	<1	3	<10	4.7	1990	<0.5	5	<1	144	15	1590	25
L1400N-1+50W	37	>300	20	<0.1	850	1	<10	14	43	39	<100	520	25	13.1	2.6	82	12	17	<5	6	<5	3.2	25	56	230	<1	5	<1	178	<1	58	8	<1	100	<1	3	<10	9.8	3190	<0.5	4	<1	116	9	490	69
L1400N-2+00W	50	223	<10	<0.1	600	<1	<10	15	15	62	<100	260	3	2.2	<0.5	79	2	8	<5	2	<5	2.7	6	27	60	<1	1	<1	121	<1	10	1	<1	70	<1	<1	<10	3.9	2070	<0.5	2	<1	14	2	360	39
L1400N-2+50W	162	211	10	<0.1	730	<1	<10	14	13	42	<100	210	13	8.9	1.1	79	5	7	<5	2	<5	3.4	10	29	170	<1	2	<1	161	<1	31	3	<1	60	<1	1	<10	4.2	2180	<0.5	3	<1	70	7	440	52
L1400N-3+00W	84	>300	50	0.1	1970	2	20	18	97	68	<100	1000	29	14.9	3.7	119	19	33	<5	7	<5	3.3	44	57	550	<1	9	<1	159	1	63	12	<1	220	<1	4	<10	22.7	3870	<0.5	6	<1	142	10	770	92
L1400N-3+50W	15	>300	80	0.1	850	2	<10	11	159	27	<100	450	24	12.2	5	114	25	48	<5	1	13	4.4	70	14	560	<1	15	<1	144	<1	82	19	<1	30	<1	4	<10	55.6	4430	<0.5	11	2	109	10	170	92
L1400N-4+00W	10	287	30	<0.1	650	<1	20	14	41	212	<100	170	18	12.4	2.1	192	11	20	<5	11	<5	1.8	24	51	440	<1	5	<1	237	<1	68	7	<1	140	<1	2	<10	18.5	4130	<0.5	6	<1	111	10	670	42
L1400N-4+50W	17	>300	20	<0.1	630	3	<10	15	25	86	<100	260	9	8.2	0.8	157	5	15	<5	3	<5	1.9	14	16	300	<1	3	<1	57	<1	23	3	<1	30	<1	1	<10	9.6	2270	<0.5	4	<1	64	7	270	26
L1400N-5+00W	32	>300	50	<0.1	450	3	<10	14	28	78	<100	270	8	5.3	1.3	207	6	14	<5	3	7	2.8	16	34	490	<1	3	<1	251	<1	38	4	<1	40	<1	1	<10	19.1	3360	<0.5	7	<1	47	5	410	44
L1400N-5+50W	53	268	30	<0.1	520	2	30	19	39	65	<100	140	10	5.4	1.6	185	8	17	<5	5	10	3.3	20	27	370	<1	4	<1	211	1	47	6	<1	90	<1	1	<10	22	2540	<0.5	7	<1	50	5	250	45
L1400N-6+00W	7	>300	20	<0.1	1630	2	20	28	64	93	<100	220	14	8.1	2.6	225	11	27	7	8	<5	2.3	32	76	200	<1	7	<1	276	<1	99	9	1	110	<1	2	<10	15.5	2070	<0.5	6	<1	64	7	1780	34
L1400N-6+50W	9	244	20	0.1	760	1	70	41	216	48	<100	530	29	13.7	5	80	23	31	<5	10	<5	0.8	50	49	630	<1	10	<1	228	<1	120	17	<1	130	<1	5	<10	25.2	969	<0.5	5	<1	126	10	650	72
L1400N-7+00W	15	202	10	<0.1	2300	2	140	136	57	86	<100	760	28	22.7	3.5	145	17	16	<5	36	<5	0.6	29	183	330	<1	6	<1	240	<1	199	10	<1	280	<1	4	<10	9.5	536	<0.5	5	<1	164	21	6990	19
L1400N-7+50W	22	211	20	<0.1	1390	2	120	87	25	51	<100	300	10	6.9	1.7	138	7	8	<5	17	<5	1.1	15	48	500	<1	3	<1	418	<1	66	5	<1	260	<1	1	<10	7.7	1130	<0.5	4	<1	56	6	2620	20
L1400N-8+00W	12	264	50	<0.1	1790	4	10	42	27	211	<100	290	8	6.8	1	283	5	12	10	7	<5	3	12	72	480	<1	3	<1	250	1	51	4	<1	130	<1	1	<10	10.1	3310	<0.5	5	<1	50	6	1260	45
L1400N-8+50W	22	156	50	0.1	320	<1	220	30	169	23	<100	430	88	44.2	20.2	38	87	68	<5	41	<5	0.8	158	17	300	<1	27	<1	154	<1	307	57	<1	300	<1	15	<10	7.4	1460	<0.5	7	<1	391	32	190	59
L1400N-0+50E	72	>300	20	0.1	1320	4	20	18	30	92	<100	330	16	11.9	1.1	147	6	14	<5	6	<5	4.5	15	35	420	<1	3	<1	116	<1	23	4	<1	140	<1	2	<10	10	1510	<0.5	5	<1	97	10	1090	31
L1400N-1+00E	59	295	10	0.1	540	3	<10	22	19	44	<100	470	18	12.3	0.9	101	7	10	<5	4	<5	2.3	13	25	470	<1	3	<1	186	<1	18	4	<1	90	<1	2	<10	10	1000	<0.5	4	<1	115	9	1930	22
L1400N-1+50E	42	199	10	<0.1	600	<1	<10	10	13	309	<100	360	2	2	<0.5	258	2	6	5	3	<5	9.7	6	40	30	<1	1	<1	182	<1	15	2	1	70	<1	<1	<10	6	2500	0.5	3	<1	13	2	270	34
L1400N-2+00E	31	254	<10	<0.1	1360	<1	30	54	<5	42	<100	300	6	5	<0.5	81	2	1	<5	8	<5	0.6	2	56	190	<1	<1	<1	68	<1	15	<1	<1	310	<1	<1	<10	2	403	<0.5	2	<1	33	4	1720	11
L1400N-2+50E	20	>300	<10	<0.1	1170	<1	<10	13	<5	200	<100	160	<1	2	<0.5	66	<1	<1	<5	10	<5	<0.5	<1	39	20	<1	<1	<1	88	<1	20	<1	<1	140	<1	<1	<10	1.1	53	<0.5	1	<1	<5	4	320	<5
L1400N-3+00E	59	271	10	0.1	1200	1	<10	16	8	54	<100	340	2	1.5	<0.5	121	1	4	<5	2	<5	3.5	3	26	700	<1	<1	<1	145	<1	15	<1	<1	40	<1	<1	<10	7.6	1250	0.6	3	<1	9	2	1060	39
L1400N-3+50E	85	>300	40	1.8	1580	4	<10	21	20	68	<100	1250	4	2.9	<0.5	170	2	7	<5	4	9	2.7	6	42	1480	<1	2	<1	166	1	25	2	<1	70	<1	<1	<10	20.4	1870	<0.5	7	<1	23	2	1320	78
L1400N-4+00E	55	>300	40	0.1	1650	1	20	66	31	108	<100	500	15	9.1	1.8	154	9	11	<5	10	<5	3.1	18	91	370	<1	3	<1	78	<1	43	6	<1	220	<1	2	<10	7.6	3780	<0.5	4	<1	72	7	1900	71
L1400N-4+50E	60	290	20	0.1	1620	2	20	83	15	71	<100	440	5	3.1	<0.5	198	3	8	<5	6	<5	2	7	37	730	<1	2	<1	118	<1	15	2	<1	180	<1	<1	<10	4.1	921	<0.5	3	<1	24	2	1670	23
L1400N-5+00E	108	235	20	<0.1	2540	1	210	190	22	36	<100	440	9	5.1	1.2	164	7	10	<5	29	<5	2.1	14	153	520	<1	3	<1	126	<1	34	4	<1	1030	<1	1	<10	5.7	1110	<0.5	4	<1	52	4	5150	26
L1400N-5+50E	22	172	30	0.3	1700	1	260	649	246	116	<100	600	35	18.3	7.1	124	32	37	<5	26	6	1.3	77	145	990	<1	15	<1	42	<1	101	24	<1	750	<1	5	<10	13.2	1010	<0.5	8	<1	161	15	7500	57
L1400N-6+00E	82	>300	20	<0.1	5340	<1	30	128	26	116	<100	780	11	9.8	0.7	185	4	9	<5	12	<5	1.3	11	184	580	<1	2	<1	131	<1	42	3	<1	350	<1	1	<10	9.8	600	<0.5	5	<1	57	8	10700	24
L1400N-6+50E	83	189	10	0.4	4150	<1	310	96	94	66	<100	1050	83	45.5	16.6	93	72	59	<5	40	<5	<0.5	138	264	890	<1	24	<1	174	<1	75	48	<1	1530	<1	13	<10	7	434	<0.5	10	<1	476	32	5220	27
L1400N-7+00E	44	262	30	0.4	7210	2	150	157	154	47	<100	1000	76	46	13.6	138	59	54	<5	31	6	2	128	304	1490	<1	23	<1	89	<1	112	40	<1	900	<1	10	<10	13.4	1210	<0.5	9	<1	378	35	5600	73
L1400N-7+50E	30	214	<10	0.2	5190	<1	220	140	73	17	<100	2320	304	194	34.8	48	163	58	<5	43	<5	<0.5	219	226	510	<1	34	<1	109	<1	140	86	<1	1640	<1	36	<10	3.4	45	<0.5	22	1	1780	137	2820	12
L1400N-8+00E	18	147	<10	0.5	10100	<1	420	178	26	22	<100	2270	265	230	12.7	72	72	11	<5	84	<5	<0.5	70	224	500	<1	9	<1	98	<1	164	31	<1	3520	<1	22	<10	5.1	8	<0.5	30	2	1630	174	5480	9
L1400N-8+50E	11	291	20	0.1	860	1	<10	32	38	64	<100	500	25	15.5	2.1	115	11	11	<5	3	<5	0.7	19	56	460	<1	4	<1	125	<1	73	6	<1	50	<1	3	<10	6.4	918	<0.5	4	<1	121	11	1560	41
L1400N-9+00E	20	>300	50	<0.1	1230	3	10	39	76	98	<100	510	20	10.7	2.8	191	14	25	<5	5	7	1.7	36	42	320	<1	7	<1	85	<1	74	11	<1	90	<1	3	<10	15.2	2140	<0.5	8	<1	89	7	1570	88
L1400N-9+50E	24	96	<10	0.1	1740	<1	530	174	183	8	<100	3770	469	252	118	8	503	331	<5	57	9	<0.5	833	149	110	<1	144	<1	115	<1	81	313	<1	2230	<1	78	<10	2.7	20	<0.5	50	2	3430	160	2230	10
L1400N-10+00E	66	64	<10	0.7	1720	<1	580	96	205	29	<100	5500	74	40.3	24.8	29	98	75	<5	60	24	<0.5	212	241	90	<1	35	<1	66	<1	43	68	<1	1970	<1	13	<10	5.6	20	<0.5	23	<1	525	31	2190	10
L1400N-10+50E	73	149	20	1	3400	<1	430	173	644	26	<100	10700	315	183	75.2	58	306	273	5	68	6	<0.5	619	575	170	<1	114	<1	200	<1	471	204	<1	1510	<1	48	<10	17.5	77	0.5	73	1	2190	148	9630	60
L1400N-11+00E	6	267	30	0.3	4410	2	80	137	263	53	<100	2300	365	176	75.5	97	302	98	<5	23	6	0.8	476	130	1490	<1	69	<1	136	2	148	180	<1	630	<1	56	<10	15	880	<0.5	33	1	1870	109	3390	47
L1400N-11+50E	61	278	<10	<0.1	1200	<1	<10	14	<5	99	<100	160	3	3	<0.5	72	<1	<1	<5	4	<5	<0.5	1	19	60	<1	<1	<1	79	<1	12	<1	<1	70	<1	<1	<10	1.2	171	0.6	1	<1	16	3	340	8
L1400N-12+00E	95	>300	30	<0.1	1970	<1	70	27	32	88	<100	180	22	13.6	2.3	152	12	12	5	12	<5	3	21	71	280	<1	4	<1	205	<1	60	7	<1	540	<1	3	<10	7.9	2850	<0.5	4	<1	121	10	1700	49
L1400N-12+50E	7	291	<10	<0.1	780	<1	20	17	<5	51	<100	210	1	2.3	<0.5	102	<1	<1	<5	7	<5	0.6	1	23	40	<1	<1	<1	15	<1	15	<1	<1	180	<1	<1	<10	1.2	434	<0.5	<1	<1	7	3	430	9
L1400N-13+00E	64	241	<10	<0.1	580	<1	<10	19	<5	64	<100	90	4	4.3	<0.5	75	1	2	<5	3	<5	1.9	3	14	110	<1	<1	<1	73	<1	16	<1	<1	60	<1	<1	<10	2.7	936	<0.5	2	<1	23	4	320	19
L1400N-13+50E	7	150	<10	<0.1	14300	<1	290	297	99	41	<100	330	59	32.8	12.3	46	58	36	<5	67	<5	0.9	106	51	260	<1	18	<1	30	<1	36	37	<1	1930	<1	9	<10	2.3	490	<0.5	6	<1	338	21	2450	9
L1400N-14+00E	14	188	10	<0.1	8290	<1	270	42	81	26	<100	180	54	29.7	11.6	56	57	39	<5	44	<5	3.5	106	59	210	<1	18	<1	47	<1	49	36	<1	1670	<1	8	<10	3.6	1760	<0.5	7	<1	312	20	1320	33
L1400N-15+00E	22	122	10	0.4	1060	<1	310	158	197	47	<100	510	38	20	10.3	84	38	39	5	32	6	<0.5	99	161	150	<1	18	<1	149	<1	97	30	<1	980	<1	6	<10	7.8	210	<0.5	24	<1	164	17	16300	37
L1600N-BL0+00	27	256	<10	<0.1	1170	<1	90	66	86	29	<100	720	141	78.3	20	52	102	45	<5	17	<5	3.9	191	67	300	<1	30	<1	115	1	52	63	<1	680	<1	20	<10	5.3	1230	<0.5	12	<1	857	58	1130	23
L1600N-00+50W	17	271	<10	<0.1	970	<1	<10	25	11	20	<100	350	18	16.8	0.7	102	4	4	<5	6	<5	2.8	7	70	270	<1	1	<1	186	<1	49	3	<1	110	<1	2	<10	12.3	1390	<0.5	6	<1	100	16	1600	23
L1600N-01+00W	2	>300	<10	0.2	4290	<1	30	40	<5	79	<100	100	2	4.2	<0.5	16	<1	2	<5	10	<5	<0.5	1	19	<10	<1	<1	<1	88	<1	38	<1	<1	370	<1	<1	<10	0.7	10	0.5	1	<1	10	10	140	<5
L1600N-01+50W	7	>300	<10	0.2	450	<1	20	14	<5	75	<100	290	6	5.6	<0.5	103	2	3	<5	11	<5	5	3	50	150	<1	<1	<1	10	<1	26	1	<1	170	<1	<1	<10	4	1480	<0.5	3	<1	33	5	740	27
L1600N-02+00W	65	>300	20	0.4	3140	8	120	71	108	165	<100	840	158	95.2	24.9	177	108	107	<5	15	6	8	245	51	1140	<1	45	<1	174	<1	71	70	1	470	<1	21	<10	14.2	2190	<0.5	22	1	1090	71	1680	32
L1600N-02+50W	8	>300	40	0.6	1050	3	<10	17	58	55	100	230	18	12	2.9	300	12	24	13	6	6	17.9	28	39	180	<1	6	<1	286	3	80	8	2	40	<1	2	<10	14.9	6580	<0.5	6	1	89	10	900	86
L1600N-03+00W	16	>300	40	1.1	1640	3	<10	9	25	54	100	290	10	7.6	1.3	233	6	11	11	4	<5	9.6	14	57	320	<1	3	<1	223	2	70	4	2	30	<1	1	<10	8.4	7150	<0.5	4	1	48	7	1080	69
L1600N-03+50W	102	>300	20	1.4	2670	2	70	147	105	122	<100	1110	189	98.8	33.3	140	144	62	6	19	<5	7.1	253	69	840	<1	39	<1	219	1	101	95	<1	380	<1	27	<10	5.9	4200	<0.5	7	2	946	74	2650	54
L1600N-04+00W	14	>300	10	1.3	1700	1	20	71	30	254	<100	650	29	18.2	2.8	154	14	16	<5	7	<5	5.4	25	52	740	<1	5	<1	147	1	65	8	<1	150	<1	3	<10	5.7	3700	<0.5	4	<1	143	13	850	42
L1600N-04+50W	23	>300	<10	0.4	1140	1	20	44	19	165	<100	700	28	32.6	1.9	150	9	13	<5	7	<5	1.9	18	55	150	<1	4	<1	263	<1	58	5	<1	200	<1	2	<10	4.3	1180	<0.5	5	<1	181	30	730	27
L1600N-05+00W	10	>300	20	0.2	1090	1	390	52	14	73	100	880	10	6.2	1.1	158	5	6	<5	67	<5	1.5	10	84	820	<1	2	<1	271	<1	38	3	<1	930	<1	1	<10	5.6	1630	<0.5	4	<1	53	5	2650	35
L1600N-05+50W	14	>300	10	0.2	1460	1	300	86	37	147	<100	600	126	80.3	16.1	170	80	41	<5	33	<5	1.1	125	75	670	<1	20	<1	104	<1	75	43	<1	1280	<1	15	<10	4.3	880	<0.5	10	<1	926	56	990	20
L1600N-06+00W	4	189	<10	0.4	1670	<1	210	84	40	36	<100	1290	363	225	35.5	24	177	23	<5	29	<5	<0.5	188	65	390	<1	25	<1	130	<1	184	86	<1	1400	<1	44	<10	2.5	42	<0.5	12	2	2440	153	730	8

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L1600N-06+50W	5	264	<10	0.7	2390	<1	260	52	27	55	<100	730	177	134	13.2	66	69	18	<5	53	<5	<0.5	77	39	170	<1	12	<1	135	<1	94	32	<1	1850	<1	19	<10	2.9	188	<0.5	9	<1	1140	96	1040	13
L1600N-07+00W	9	>300	20	1.3	2680	<1	240	86	113	74	100	920	59	45.9	6.5	99	33	22	7	77	<5	<0.5	59	161	1240	<1	10	<1	193	1	202	20	<1	1030	<1	7	<10	8.6	831	<0.5	9	<1	300	41	3230	58
L1600N-07+50W	5	>300	60	1.1	2570	2	20	24	56	336	<100	550	22	14	2.7	160	11	14	8	7	<5	2.8	23	52	1010	<1	5	<1	98	2	95	7	<1	180	<1	3	<10	14.5	6230	<0.5	7	1	106	12	1470	89
L1600N-08+00W	9	220	<10	0.6	3110	<1	720	243	15	31	<100	1290	338	272	25.6	76	131	31	<5	102	<5	<0.5	151	130	140	<1	22	<1	200	<1	149	62	<1	4020	<1	34	<10	2.5	55	<0.5	20	2	2310	197	1980	11
L1600N-08+50W	58	>300	50	0.5	1150	1	60	30	137	32	<100	400	129	75.4	20.9	204	96	82	6	13	7	9.1	210	46	340	<1	36	<1	232	1	128	62	1	390	<1	17	<10	6.4	6950	<0.5	11	2	823	54	420	82
L1600N-09+00W	50	>300	120	0.8	850	3	10	29	122	151	100	590	36	20.8	6	225	25	25	<5	6	10	6.3	50	44	880	<1	9	<1	213	2	143	17	1	60	<1	5	<10	20	12000	<0.5	12	2	165	18	730	143
L1600N-09+50W	12	>300	50	0.7	1040	2	20	14	81	114	<100	290	19	12.8	2.3	209	11	14	7	13	5	3.4	22	70	510	<1	4	<1	185	<1	91	7	<1	110	<1	2	<10	9.8	3140	<0.5	7	<1	90	11	960	68
L1600N-10+00W	16	130	<10	0.7	2000	<1	610	15	171	<5	<100	220	48	26.9	10.4	8	44	24	<5	110	<5	<0.5	62	37	30	<1	10	<1	267	<1	90	25	<1	1370	<1	7	<10	1.5	18	<0.5	3	<1	269	20	50	7
L1600N-10+50W	23	>300	30	0.6	990	2	20	40	74	27	<100	510	28	14.4	4.2	117	20	21	9	8	<5	2.7	44	49	220	<1	8	<1	164	1	87	14	<1	120	<1	4	<10	11.2	2300	<0.5	5	<1	134	11	1040	70
L1600N-11+50W	18	278	80	0.7	300	2	70	15	115	34	100	750	28	12.4	5.6	105	25	23	6	6	9	1.2	50	21	250	<1	9	<1	145	2	147	18	<1	60	<1	4	<10	11.4	1740	<0.5	6	<1	99	10	260	48
L1600N-12+00W	89	250	60	1	1780	1	260	75	906	64	100	5490	766	434	183	79	812	853	<5	49	8	1	1860	138	820	<1	329	<1	168	2	704	542	<1	1010	1	126	<10	26.9	1230	0.9	215	4	5270	302	2620	116
L1600N-0+50E	3	>300	<10	0.3	1600	<1	60	11	<5	147	<100	100	<1	<0.5	<0.5	146	<1	1	9	15	<5	<0.5	2	21	<10	<1	<1	<1	62	<1	21	<1	<1	230	<1	<1	<10	1.6	58	<0.5	2	<1	<5	<1	360	<5
L1600N-01+00E	10	>300	<10	0.3	1690	<1	60	10	<5	114	<100	60	<1	1.2	<0.5	136	<1	<1	<5	15	<5	<0.5	<1	36	<10	<1	<1	<1	43	<1	20	<1	<1	260	<1	<1	<10	2.4	34	<0.5	2	<1	<5	3	510	6
L1600N-01+50E	41	>300	30	0.6	1460	2	10	30	62	152	<100	1050	12	8.3	1	178	5	13	8	9	11	5	13	32	1420	<1	3	<1	217	<1	46	4	<1	70	<1	1	<10	21.9	2110	0.7	14	<1	53	8	1720	63
L1600N-02+00E	21	>300	<10	0.3	2860	<1	20	40	62	206	<100	1950	187	154	10.3	117	52	46	6	11	6	2.3	77	82	710	<1	15	<1	208	<1	127	26	<1	210	<1	17	<10	19.7	904	<0.5	101	1	1070	124	1040	31
L1600N-02+50E	15	154	<10	0.4	5430	<1	570	320	44	125	<100	8020	85	69.7	13.3	62	62	74	<5	64	<5	<0.5	125	52	290	<1	25	<1	142	<1	56	37	<1	1970	<1	11	<10	4.5	59	<0.5	56	<1	625	56	2620	8
L1600N-03+00E	5	110	<10	0.3	5940	<1	840	195	9	20	<100	1640	126	151	8.2	41	46	14	<5	86	6	<0.5	47	64	60	<1	7	<1	69	<1	55	20	<1	4050	<1	12	<10	0.8	13	<0.5	109	1	1040	139	3490	5
L1600N-03+50E	19	92	<10	0.5	5440	<1	880	133	12	13	<100	550	249	231	26.1	15	136	57	<5	86	6	<0.5	160	118	70	<1	26	<1	64	<1	69	64	<1	4700	<1	28	<10	1	9	<0.5	226	2	2140	181	1100	8
L1600N-04+00E	22	199	<10	0.3	2720	<1	450	36	39	21	<100	540	266	173	24	26	126	29	<5	77	<5	<0.5	154	129	300	<1	22	<1	97	<1	169	60	<1	2930	<1	31	<10	1.3	26	<0.5	22	1	1830	122	670	7
L1600N-04+50E	1	167	<10	0.3	2910	<1	610	102	20	73	<100	420	130	141	8.6	53	47	16	<5	88	<5	<0.5	56	63	380	<1	8	<1	109	<1	67	22	<1	3800	<1	12	<10	1.9	55	<0.5	26	1	1040	122	510	7
L1600N-05+00E	4	286	<10	0.3	1360	<1	200	34	<5	44	<100	760	12	7.5	0.9	75	5	1	<5	53	<5	<0.5	6	93	180	<1	<1	<1	33	<1	35	2	<1	1080	<1	1	<10	2	194	<0.5	2	<1	69	5	1350	6
L1600N-05+50E	2	280	<10	0.3	2210	<1	370	60	10	278	<100	780	40	33.2	2.6	126	14	6	<5	79	<5	<0.5	18	95	1060	<1	3	<1	65	<1	40	7	<1	2240	<1	4	<10	2.4	67	<0.5	12	<1	242	26	1950	6
L1600N-06+00E	7	140	<10	0.3	2670	<1	620	129	26	41	<100	1210	125	100	14	31	68	30	<5	94	<5	<0.5	85	177	280	<1	14	<1	99	<1	92	34	<1	3550	<1	15	<10	1.9	4	<0.5	141	<1	843	79	1640	10
L1600N-06+50E	3	134	<10	0.3	3180	<1	680	139	27	23	<100	1050	148	139	11	47	59	17	<5	119	<5	<0.5	66	94	220	<1	10	<1	75	<1	113	27	<1	3710	<1	15	<10	1.1	<3	<0.5	71	1	1040	121	1450	8
L1600N-07+00E	37	>300	<10	0.4	2660	<1	30	18	<5	114	<100	570	3	3.8	<0.5	55	<1	<1	<5	12	<5	<0.5	1	63	240	<1	<1	<1	141	<1	21	<1	<1	320	<1	<1	<10	2.2	69	<0.5	3	<1	14	3	970	10
L1600N-07+50E	86	299	10	0.3	2490	<1	130	78	47	36	<100	490	67	39.1	8.3	88	43	15	<5	41	<5	1.7	67	123	530	<1	10	<1	61	<1	52	25	<1	820	<1	9	<10	4.4	1410	<0.5	7	<1	349	28	2950	27
L1600N-08+00E	28	>300	20	0.4	2390	<1	20	73	39	69	<100	390	44	23.6	4.6	116	23	17	6	13	<5	4.3	39	68	560	<1	7	<1	100	<1	48	14	<1	300	<1	6	<10	5.6	2390	<0.5	6	1	209	16	1860	33
L1600N-08+50E	18	>300	<10	0.3	970	1	<10	30	12	115	<100	90	4	3.4	<0.5	109	2	6	<5	6	<5	1.5	5	25	130	<1	1	<1	50	<1	18	1	<1	140	<1	<1	<10	2.6	609	<0.5	3	<1	20	3	260	13
L1600N-09+00E	7	>300	<10	0.3	2120	<1	150	114	<5	75	<100	110	2	1.5	<0.5	166	1	3	<5	16	<5	1.6	3	35	410	<1	<1	<1	35	<1	15	<1	<1	880	<1	<1	<10	3.2	733	<0.5	2	<1	15	1	1610	18
L1600N-09+50E	10	271	<10	0.3	4790	<1	250	168	83	19	<100	1060	233	130	31.1	78	142	64	<5	49	<5	<0.5	223	116	550	<1	37	<1	117	<1	154	84	<1	1530	<1	31	<10	6.4	205	<0.5	37	<1	1390	87	2140	14
L1600N-10+00E	41	203	10	<0.1	1930	<1	260	94	220	21	<100	440	171	89.9	48.8	36	186	167	<5	27	6	0.5	442	86	230	<1	87	<1	153	<1	162	141	<1	860	<1	31	<10	9.2	539	0.6	35	1	955	61	820	52
L1600N-10+50E	22	140	<10	0.5	4870	<1	400	139	86	<5	<100	1610	233	142	34.1	21	163	76	<5	56	<5	<0.5	245	176	530	<1	40	<1	173	<1	187	91	<1	2010	<1	32	<10	3.9	23	<0.5	33	1	1500	101	2340	19
L1600N-11+00E	5	170	20	0.4	1700	<1	190	59	158	132	<100	5170	155	81.2	43.9	111	161	257	<5	27	16	<0.5	468	90	80	<1	95	<1	107	3	211	133	<1	900	<1	26	<10	5.7	575	0.5	25	1	832	64	240	28
L1600N-11+50E	14	188	30	0.3	1740	1	230	25	131	63	<100	530	107	51.1	33.4	124	129	168	<5	19	10	0.8	362	56	180	<1	69	<1	73	<1	138	102	<1	500	<1	19	<10	10.2	1160	<0.5	7	<1	551	36	1380	40
L1600N-12+00E	2	>300	10	0.3	670	<1	100	67	9	46	<100	310	7	4.4	0.7	139	3	4	<5	18	<5	0.5	6	45	460	<1	1	<1	34	<1	36	2	<1	270	<1	<1	<10	5.1	814	<0.5	4	<1	40	3	3790	38
L1600N-12+50E	21	145	<10	0.7	1290	<1	310	137	239	17	<100	5820	294	184	52.7	55	233	128	<5	50	<5	<0.5	349	309	220	<1	58	<1	59	<1	338	133	<1	1040	<1	41	<10	12.9	33	<0.5	73	1	1880	135	4310	30
L1600N-13+00E	39	160	10	0.7	2210	<1	450	150	379	36	<100	4890	203	124	46	62	189	172	<5	59	<5	<0.5	366	472	200	<1	69	<1	108	<1	312	120	<1	1390	<1	31	<10	11.7	117	<0.5	56	<1	1280	97	8090	39
L1600N-13+50E	30	122	10	0.9	1440	<1	540	111	279	17	<100	4630	142	83.7	35.9	48	143	119	<5	71	8	<0.5	296	257	140	<1	52	<1	63	<1	169	98	<1	1440	<1	23	<10	7.4	51	<0.5	42	<1	870	65	3430	23
L1600N-14+00E	3	266	<10	0.2	1980	<1	60	28	16	215	<100	1480	22	55.5	2.2	173	9	9	7	23	<5	<0.5	21	82	20	<1	4	<1	29	<1	142	7	<1	380	<1	2	<10	3.9	144	<0.5	10	<1	121	118	1080	16
L1600N-14+50E	7	193	10	0.2	2290	1	250	44	23	116	<100	410	9	5.6	1.1	223	5	7	7	32	<5	0.5	12	71	380	<1	2	<1	24	<1	59	3	<1	890	<1	1	<10	4.9	507	<0.5	4	<1	40	4	8170	24
L1600N-15+00E	3	>300	<10	0.2	1220	<1	10	11	<5	187	<100	350	2	3.1	<0.5	123	<1	<1	14	13	<5	<0.5	1	36	20	<1	<1	<1	140	<1	51	<1	<1	140	<1	<1	<10	1.1	60	<0.5	2	<1	8	4	510	5
DUP-L1400N-5+50W	47	267	30	<0.1	540	3	30	23	33	77	<100	140	9	5.5	1.5	183	7	14	<5	5	8	3	17	33	400	<1	4	<1	197	1	45	5	<1	90	<1	1	<10	20.8	2270	<0.5	7	<1	54	5	270	40
DUP-L1400N-8+00W	12	284	50	<0.1	2010	4	10	44	31	218	<100	290	8	6.6	1.2	303	6	15	8	8	5	2.9	15	80	480	<1	3	<1	225	1	53	4	<1	140	<1	1	<10	10.1	3260	<0.5	5	1	50	6	1170	47
DUP-L1400N-5+50E	16	179	30	0.2	1730	1	240	638	223	124	<100	520	32	17.6	6.5	123	29	36	<5	25	7	1.2	74	132	1020	<1	14	<1	34	<1	96	23	<1	730	<1	5	<10	13	921	<0.5	7	<1	148	15	7050	54
DUP-L1600N-01+00W	2	>300	<10	0.3	5710	<1	50	53	<5	104	<100	80	2	3.5	<0.5	18	<1	3	<5	14	<5	<0.5	1	24	<10	<1	<1	<1	101	<1	48	<1	<1	500	<1	<1	<10	0.6	23	0.6	1	<1	9	10	180	<5
DUP-L1600N-07+00W	11	>300	20	1.5	2730	<1	260	83	152	80	100	830	62	46.4	8.2	99	39	31	<5	70	<5	<0.5	75	144	1210	<1	14	<1	191	1	203	25	<1	1000	<1	8	<10	10.1	861	<0.5	10	<1	302	41	2980	69
DUP-L1600N-03+50E	21	91	<10	0.4	5300	<1	970	144	10	12	<100	550	234	222	24.5	14	133	52	<5	91	5	<0.5	149	131	80	<1	23	<1	67	<1	73	59	<1	4810	<1	26	<10	1	12	<0.5	233	2	2180	173	1140	8
DUP-L1600N-09+00E	8	>300	<10	0.3	2440	<1	170	123	<5	83	<100	130	2	1.6	<0.5	163	<1	2	<5	18	<5	1.1	2	41	350	<1	<1	<1	42	<1	12	<1	<1	960	<1	<1	<10	3	538	<0.5	2	<1	14	1	1560	16
DUP-L1600N-12+50E	19	138	<10	0.7	1470	<1	320	158	218	16	<100	6530	307	196	51.3	57	228	129	<5	49	<5	<0.5	341	304	220	<1	59	<1	54	<1	364	133	<1	1120	<1	42	<10	12.2	28	<0.5	73	2	2090	146	4470	30
MMISRM18	23	21	10	9.1	180	<1	200	73	19	63	<100	740	3	1.1	1	4	5	6	<5	95	35	<0.5	16	522	250	13	3	6	190	<1	<5	4	<1	1590	<1	<1	<10	14.4	4	<0.5	22	<1	16	<1	660	20
MMISRM16	21	49	20	33.6	70	<1	250	5	19	79	<100	850	3	1.2	1.3	2	5	4	<5	36	61	<0.5	18	299	110	32	3	<1	387	<1	10	5	<1	580	<1	<1	<10	24.7	3	<0.5	62	<1	12	<1	260	24
MMISRM18	21	28	20	9.5	150	<1	210	67	20	65	<100	760	3	1.2	1.2	4	5	6	<5	111	32	<0.5	18	527	280	13	3	6	163	<1	5	5	<1	1410	<1	<1	<10	16.2	<3	<0.5	25	<1	19	<1	650	23
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	1	<1	<1	<5	<1	<5	<0.5	1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<10	0.3	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M5	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M5	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M5	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M	MMI-M5	MMI-M	MMI-M5	MMI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L800N-0+00W	34	150	<10	1.3	3300	<1	300	50	47	34	<100	1750	92	76.8	12.2	49	55	24	<5	28	<5	<0.5	81	226	400	<1	14	<1	143	<1	137	31	<1	1920	<1	11	<10	7.2	60	<0.5	21	<1	567	66	1570	40
L800N-1+00W	12	165	<10	0.2	2560	<1	160	52	18	737	<100	1350	68	69.1	4.4	59	23	11	<5	28	<5	0.5	33	70	90	<1	6	<1	124	<1	50	12	<1	1170	<1	6	<10	2	144	<0.5	4	<1	397	49	430	13
L800N-1+50W	7	196	<10	0.1	2160	<1	110	76	24	132	<100	1510	148	100	10.6	23	57	15	<5	31	<5	<0.5	62	71	210	<1	9	<1	70	<1	111	26	<1	1000	<1	16	<10	2.3	127	<0.5	8	<1	843	71	1100	12
L800N-2+00W	22	149	<10	0.3	1800	<1	170	114	23	17	<100	1000	38	30.6	4.7	16	23	17	<5	44	<5	<0.5	41	261	90	<1	8	<1	142	<1	70	13	<1	1400	<1	5	<10	3.2	39	<0.5	32	<1	229	22	11100	20
L800N-2+50W	6	147	<10	0.1	2140	<1	240	170	13	<5	<100	410	27	24.3	4.1	34	18	15	<5	52	<5	<0.5	35	264	<10	<1	7	<1	253	<1	56	12	<1	1810	<1	4	<10	2.9	51	<0.5	39	<1	186	20	16900	18
L800N-3+00W	43	76	<10	0.1	470	<1	<10	31	<5	36	<100	380	15	12.7	0.6	10	3	1	<5	5	<5	0.6	4	52	100	<1	<1	<1	237	<1	22	2	<1	80	<1	1	<10	0.7	326	<0.5	2	<1	66	10	160	11
L800N-3+50W	23	227	<10	<0.1	3690	<1	270	112	99	19	<100	1340	196	102	21.6	25	111	58	<5	66	<5	<0.5	173	131	140	<1	28	<1	68	<1	92	58	<1	2360	<1	26	<10	2.5	174	<0.5	3	<1	1210	64	1400	16
L800N-4+00W	13	241	<10	<0.1	1340	<1	50	71	6	34	<100	520	7	4.2	0.6	83	3	3	<5	12	<5	0.5	5	79	410	<1	<1	<1	133	<1	21	2	<1	340	<1	<1	<10	2.6	459	<0.5	2	<1	37	3	1410	19
L800N-4+50W	10	239	<10	<0.1	1140	<1	40	9	<5	144	<100	260	<1	1.3	<0.5	91	<1	<1	<5	16	<5	<0.5	<1	64	<10	<1	<1	<1	25	<1	17	<1	<1	300	<1	<1	<10	0.9	59	<0.5	<1	<1	<5	2	250	<5
L800N-5+00W	9	>300	<10	<0.1	1540	<1	20	51	<5	85	<100	740	4	5	<0.5	31	<1	<1	<5	8	<5	<0.5	1	85	50	<1	<1	<1	77	<1	26	<1	<1	200	<1	<1	<10	0.9	128	<0.5	1	<1	21	4	900	9
L800N-5+50W	15	286	10	<0.1	600	<1	<10	25	24	33	<100	290	4	2.9	<0.5	85	2	3	<5	1	<5	1.3	4	24	160	<1	<1	<1	109	<1	19	1	<1	50	<1	<1	<10	4	1410	<0.5	2	<1	18	2	400	29
L800N-6+00W	27	>300	<10	<0.1	720	<1	<10	20	<5	27	<100	330	<1	0.8	<0.5	30	<1	<1	<5	3	<5	<0.5	<1	20	30	<1	<1	<1	64	<1	9	<1	<1	140	<1	<1	<10	0.6	41	0.6	<1	<1	<5	<1	200	<5
L800N-6+50W	1	67	<10	0.2	3050	<1	310	24	10	69	<100	790	14	11.5	2.8	65	12	9	<5	62	132	<0.5	27	147	<10	<1	5	<1	71	<1	42	8	<1	1320	<1	2	<10	1.1	29	0.5	44	<1	93	11	520	9
L800N-7+00W	3	251	<10	0.2	2910	<1	60	30	9	606	<100	780	9	15.5	<0.5	88	2	3	6	31	<5	<0.5	4	109	50	<1	<1	<1	18	<1	87	1	<1	500	<1	<1	<10	4.3	360	<0.5	7	<1	41	20	1480	16
L800N-7+50W	11	245	<10	<0.1	750	<1	10	12	<5	24	<100	170	<1	0.5	<0.5	112	<1	<1	<5	6	<5	<0.5	<1	14	<10	<1	<1	<1	119	<1	10	<1	<1	150	<1	<1	<10	0.6	34	0.5	1	<1	<5	<1	140	<5
L800N-8+00W	7	268	<10	<0.1	290	<1	10	3	<5	94	<100	170	<1	1.3	<0.5	94	<1	<1	<5	7	<5	<0.5	<1	18	<10	<1	<1	<1	62	<1	16	<1	<1	120	<1	<1	<10	<0.5	155	0.6	<1	<1	<5	2	230	5
L800N-8+50W	38	297	<10	<0.1	300	<1	<10	4	<5	21	<100	110	<1	1.3	<0.5	66	<1	<1	<5	4	<5	<0.5	<1	9	<10	<1	<1	<1	87	<1	9	<1	<1	50	<1	<1	<10	<0.5	47	0.7	<1	<1	<5	2	80	<5
L800N-9+00W	25	>300	50	<0.1	660	<1	<10	29	161	72	<100	310	34	15.7	7	74	32	44	<5	1	<5	3.2	78	42	160	<1	16	<1	191	2	92	25	<1	30	<1	5	<10	10.6	2900	0.9	6	<1	119	12	300	128
L800N-9+50W	10	234	20	<0.1	1410	<1	60	34	33	103	<100	270	17	12	2.2	151	10	9	<5	20	<5	0.9	22	74	180	<1	4	<1	27	2	83	7	<1	200	<1	2	<10	4.3	730	<0.5	3	<1	88	10	1990	43
L800N-10+00W	18	>300	10	0.1	1290	<1	<10	9	13	48	<100	250	20	12.8	1.4	71	8	3	<5	13	<5	0.6	8	62	390	<1	1	<1	133	<1	41	4	<1	170	<1	2	<10	2.3	758	0.7	2	<1	115	10	1030	21
L800N-10+50W	11	>300	<10	<0.1	430	<1	<10	9	7	70	<100	170	6	6.5	0.5	98	2	3	<5	3	<5	1.9	5	33	40	<1	<1	<1	88	1	27	1	<1	50	<1	<1	<10	2.2	2450	<0.5	2	<1	38	6	370	39
L800N-11+00W	10	281	<10	<0.1	630	<1	<10	20	41	28	<100	740	24	14.3	2.1	31	10	11	<5	1	<5	2.2	18	28	210	<1	4	<1	104	1	71	7	<1	30	<1	3	<10	6.5	1720	<0.5	5	<1	88	11	250	140
L800N-11+50W	8	295	<10	<0.1	970	<1	20	25	12	106	<100	430	7	5.2	0.5	91	3	5	<5	8	<5	2.8	6	58	100	<1	1	<1	210	1	34	2	<1	110	<1	<1	<10	4.2	1630	<0.5	3	<1	33	4	970	56
L800N-12+00W	7	228	<10	<0.1	950	<1	<10	25	<5	17	<100	480	10	8.2	<0.5	26	3	<1	<5	5	<5	<0.5	2	40	70	<1	<1	<1	127	<1	34	1	<1	90	<1	<1	<10	1	290	<0.5	1	<1	61	7	670	12
L800N-12+50W	11	114	<10	0.4	3420	<1	710	18	126	21	<100	1060	95	65.5	15.2	9	76	52	<5	103	<5	<0.5	129	50	60	<1	21	<1	69	<1	135	40	<1	3350	<1	13	<10	1.9	48	<0.5	5	<1	610	45	480	33
L800N-13+00W	14	217	<10	<0.1	1460	<1	120	18	50	24	<100	270	35	19.7	4.7	49	22	18	<5	18	<5	1.6	38	27	220	<1	6	<1	193	1	87	13	<1	660	<1	5	<10	3.9	1400	<0.5	3	<1	196	15	160	47
L800N-13+50W	2	>300	10	<0.1	1450	<1	20	41	37	89	<100	290	16	11.7	1.5	140	7	14	7	11	<5	6.9	17	94	190	<1	4	<1	174	2	54	5	<1	180	<1	2	<10	7.8	3920	<0.5	3	<1	81	9	1720	61
L800N-14+00W	4	169	<10	<0.1	1020	<1	280	50	56	31	<100	320	18	10	2.7	35	11	12	<5	49	<5	0.6	22	48	130	<1	4	<1	512	1	77	8	<1	910	<1	3	<10	5.5	577	<0.5	7	<1	83	8	700	69
L800N-14+50W	30	55	<10	0.5	830	<1	640	40	103	14	<100	1480	45	20.2	13.8	7	59	24	<5	27	6	<0.5	92	76	20	<1	13	<1	23	<1	29	36	<1	1290	<1	8	<10	4.2	21	<0.5	5	<1	253	14	110	8
L800N-15+00W	29	124	<10	0.6	2260	<1	410	40	244	11	<100	830	205	123	42	6	209	84	<5	60	<5	<0.5	295	61	130	<1	45	<1	91	<1	142	111	<1	1810	<1	31	<10	3.6	18	<0.5	6	<1	1250	82	620	26
L800N-0+50E	13	207	<10	<0.1	2300	<1	200	30	29	465	<100	990	47	30.6	4.9	102	24	17	<5	50	<5	0.6	47	113	100	<1	8	<1	118	<1	57	15	<1	1160	<1	5	<10	4.1	306	<0.5	7	<1	250	20	800	16
L800N-1+00E	44	149	10	<0.1	1350	<1	100	57	130	10	<100	1210	720	447	108	12	525	111	<5	21	<5	<0.5	718	57	120	<1	107	<1	75	<1	199	286	<1	620	<1	101	<10	2	77	<0.5	20	3	4690	279	460	13
L800N-1+50E	3	255	<10	<0.1	1580	<1	80	49	7	124	<100	810	30	50.5	1.4	27	7	6	<5	23	<5	<0.5	15	59	20	<1	3	<1	131	<1	113	4	<1	710	<1	2	<10	1	65	<0.5	3	<1	158	53	820	6
L800N-2+00E	7	>300	<10	<0.1	1260	<1	60	8	<5	115	<100	80	2	3.5	<0.5	33	<1	2	<5	17	<5	<0.5	3	59	<10	<1	<1	<1	54	<1	25	<1	<1	540	<1	<1	<10	0.6	70	<0.5	<1	<1	9	6	130	<5
L800N-3+00E	19	119	<10	0.4	3700	<1	280	68	74	17	<100	970	137	104	14.9	22	73	19	<5	34	<5	<0.5	88	95	220	<1	13	<1	62	<1	134	37	<1	1120	<1	16	<10	1.9	15	<0.5	78	<1	774	81	2280	19
L800N-3+50E	3	283	<10	<0.1	2640	<1	120	23	<5	65	<100	350	10	26.3	<0.5	69	3	2	<5	27	<5	<0.5	5	61	30	<1	1	<1	66	<1	62	2	<1	1010	<1	<1	<10	2	69	<0.5	4	<1	55	36	580	8
L800N-4+00E	15	290	<10	0.1	1090	<1	20	34	18	39	<100	830	27	20.7	2.2	78	11	7	<5	6	<5	2.3	18	56	320	<1	3	<1	134	<1	43	6	<1	160	<1	3	<10	4.4	958	<0.5	4	<1	149	16	770	40
L800N-4+50E	9	265	<10	0.2	1220	<1	40	73	98	28	<100	1360	140	72.9	24	33	107	37	<5	9	<5	1.5	190	52	630	<1	30	<1	114	<1	109	66	<1	290	<1	22	<10	4.7	737	0.6	8	<1	732	46	630	30
L800N-5+00E	8	>300	<10	0.1	830	<1	20	38	15	310	<100	1020	50	55	2.1	87	10	7	<5	7	<5	0.9	16	46	320	<1	3	<1	71	<1	73	5	<1	220	<1	4	<10	3.6	485	<0.5	9	<1	252	46	380	20
L800N-5+50E	10	279	10	0.1	1490	<1	70	75	12	59	<100	830	13	8.6	1	130	5	6	<5	15	<5	1.6	8	103	900	<1	2	<1	117	<1	25	3	<1	410	<1	1	<10	4.6	992	<0.5	3	<1	55	6	1880	30
L800N-6+00E	23	>300	<10	<0.1	640	<1	10	15	<5	76	<100	250	3	3.9	<0.5	76	<1	1	<5	7	<5	0.6	2	27	160	<1	<1	<1	80	<1	17	<1	<1	150	<1	<1	<10	1.6	458	<0.5	2	<1	15	4	500	14
L800N-6+50E	2	217	<10	<0.1	1790	<1	50	31	<5	46	<100	750	38	92.2	0.9	32	5	2	<5	13	<5	<0.5	6	36	140	<1	<1	<1	106	<1	157	3	<1	580	<1	2	<10	3.1	43	<0.5	7	<1	201	109	750	7
L800N-#+7+00E	12	259	<10	<0.1	1180	<1	50	114	159	12	<100	1270	245	134	32.2	34	156	40	<5	13	<5	<0.5	236	74	520	<1	35	<1	122	<1	148	90	<1	460	<1	34	<10	5.4	369	<0.5	12	<1	1300	89	970	17
L800N-8+00E	26	230	40	0.4	990	2	<10	15	48	139	<100	810	10	6.1	2.4	371	9	21	<5	2	11	5.3	29	27	110	<1	6	<1	138	2	37	7	<1	50	<1	2	10	10.1	3440	0.5	4	<1	41	6	200	64
L800N-8+50E	14	227	50	0.1	1220	3	<10	3	21	193	<100	560	3	1.7	0.7	414	3	11	<5	3	9	3.7	11	33	60	<1	2	<1	147	2	19	2	<1	110	<1	<1	<10	7.2	2620	0.6	2	<1	14	2	150	41
L800N-9+00E	21	230	10	0.2	3310	1	240	36	248	33	<100	290	94	53.7	22.4	72	96	73	<5	39	7	4.4	223	65	320	<1	37	<1	80	<1	90	68	<1	1210	<1	15	<10	6.5	2440	<0.5	9	<1	579	38	1120	28
L800N-9+50E	25	242	20	0.3	3040	1	50	33	230	416	<100	1370	87	57.7	19.3	181	76	101	<5	11	10	6.3	210	89	60	<1	41	<1	127	1	109	60	1	390	<1	13	<10	13.3	3080	<0.5	23	1	474	46	460	61
L800N-10+00E	41	257	20	0.2	4880	1	150	47	153	18	<100	470	106	57.9	23.5	80	102	79	<5	24	5	6.9	203	70	350	<1	35	<1	95	<1	95	68	1	800	<1	17	<10	9.8	4180	<0.5	15	1	612	39	930	49
L800N-10+50E	9	187	<10	<0.1	4610	<1	140	164	111	8	<100	590	391	238	46.8	55	224	50	<5	35	<5	<0.5	281	84	350	<1	42	<1	105	<1	213	114	<1	1290	<1	49	<10	8	34	0.5	36	2	2650	151	1270	18
L800N-11+50E	26	277	20	0.1	800	<1	<10	29	15	38	<100	330	8	6	1	129	4	9	<5	2	<5	3.7	10	33	140	<1	2	<1	121	<1	22	3	<1	70	<1	<1	<10	5.8	1050	<0.5	4	<1	44	4	740	45
L800N-12+00E	28	>300	10	<0.1	3290	<1	30	14	35	109	<100	170	19	13.2	2.2	92	11	14	<5	10	<5	5.3	24	42	90	<1	5	<1	11	<1	37	7	<1	270	<1	2	<10	3.9	2670	<0.5	4	<1	123	9	810	33
L800N-14+00E	16	257	20	<0.1	630	<1	<10	10	46	28	<100	240	29	14.9	5	84	22	23	<5	2	<5	5	48	27	230	<1	9	<1	145	1	51	14	<1	70	<1	4	<10	4.8	1970	<0.5	3	<1	160	10	270	54
L800N-14+50E	4	>300	20	<0.1	640	<1	<10	7	13	127	<100	200	5	4	<0.5	137	2	6	5	4	<5	2.7	7	38	190	<1	2	<1	24	<1	28	2	<1	80	<1	<1	<10	5.4	2100	<0.5	2	<1	28	3	1130	55
DUP-L800N-4+00\	15	267	10	<0.1	1320	<1	40	59	10	54	<100	510	8	3.8	0.9	107	4	5	<5	11	<5	1.1	9	84	490	<1	2	<1	140	<1	23	3	<1	310	<1	<1	<10	4.5	945	<0.5	3	<1	36	3	1500	28
DUP-L800N-8+50\	38	>300	<10	<0.1	360	<1	<10	4	<5	22	<100	100	<1	1.2	<0.5	65	<1	<1	<5	4	<5	<0.5	<1	9	<10	<1	<1	<1	83	<1	9	<1	<1	50	<1	<1	<10	<0.5	31	0.7	<1	<1	<5	2	60	<5
DUP-L800N-4+00E	12	>300	<10	0.1	1230	<1	20	38	18	42	<100	880	30	21.1	2.3	78	11	7	<5	7	<5	2.2	18	57	350	<1	3	<1	131	<1	47	6	<1	180	<1	3	<10	4.7	937	0.5	4	<1	151	17	870	39
DUP-L800N-14+0(	16	261	20	<0.1	520	<1	<10	10	45	28	<100	250	30	14.9	5	82	23	23	<5	2	<5	4.7	49	27	230	<1	9	<1	141	<1	55	15	<1	70	<1	4	<10	5.1	1890	<0.5	3	<1	158	10	260	48
DUP-L800N-14+5(	4	>300	20	<0.1	600	<1	<10	7	13	137	<100	210	5	4.3	<0.5	141	2	5	5	5	<5	2.6	6	37	200	<1	1	<1	23	<1	29	2	<1	80	<1	<1	<10	5.1	2150	<0.5	2	<1	28	4	1190	52
MMISRM18	25	32	20	9.6	170	<1	200	81	24	74	<100	830	4	1.5	1.4	4	6	7	<5	104	39	<0.5	20	560	320	15	4	7	177	<1	6	6	<1	1240	<1	<1	<10	18.3	<3	<0.5	28	<1	20	<1	720	25
MMISRM16	19	60	30	29.1	60	<1	220	5	20	73	<100	760	3	1.3	1.3	3	5	4	<5	34	58	<0.5	19	280	120	30	3	<1	340	<1	12	5	<1	470	<1	<1	<10	25.2	4	<0.5	59	<1	12	<1	250	24
BLANK	<1	2	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	2	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M	MI-M
DETECTION	1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L0+00-BL0+00	2	>300	<10	<0.1	3120	<1	210	14	<5	85	<100	60	1	2.8	<0.5	124	<1	3	6	39	<5	<0.5	3	40	<10	<1	<1	<1	5	<1	26	<1	<1	910	<1	<1	<10	1.3	48	<0.5	2	<1	9	7	190	<5
L0+00-0+50W	2	139	<10	0.2	4480	<1	410	142	20	62	<100	830	45	71.8	3.2	46	15	11	<5	91	<5	<0.5	25	72	140	<1	5	<1	96	<1	43	8	<1	1960	<1	4	<10	1.1	24	<0.5	41	<1	358	73	1810	9
L0+00-1+00W	49	156	<10	0.6	2990	<1	370	214	60	117	<100	2230	71	79	9.2	38	39	40	<5	72	<5	0.6	74	458	340	<1	15	<1	177	<1	57	23	<1	2150	<1	8	<10	3.5	63	<0.5	65	<1	516	71	2720	24
L0+00-1+50W	2	221	<10	0.1	3450	<1	320	109	7	435	<100	450	30	39.2	2.2	121	10	7	<5	86	<5	<0.5	16	59	220	<1	3	<1	90	<1	33	5	<1	2090	<1	3	<10	2.7	39	<0.5	11	<1	227	37	930	<5
L0+00-2+00W	5	157	<10	<0.1	2540	<1	410	150	14	29	<100	450	57	45.7	9.1	40	43	33	<5	124	<5	<0.5	66	58	130	<1	12	<1	151	<1	29	22	<1	1540	<1	8	<10	3.4	14	<0.5	17	<1	475	31	1240	6
L0+00-2+50W	15	>300	<10	<0.1	1810	<1	190	55	<5	138	<100	490	3	4.9	<0.5	77	<1	1	<5	43	<5	<0.5	1	37	140	<1	<1	<1	97	<1	15	<1	<1	640	<1	<1	<10	2	80	<0.5	3	<1	20	4	490	<5
L0+00-3+00W	19	254	<10	0.3	8250	<1	170	193	9	87	<100	1020	37	33.6	1.9	31	11	3	<5	44	<5	<0.5	11	82	460	<1	2	<1	229	<1	26	5	<1	720	<1	4	<10	4.2	234	<0.5	20	<1	256	24	9680	14
L0+00-3+50W	42	263	20	0.2	9150	<1	100	1150	24	14	<100	2140	59	54.1	5.2	51	27	9	<5	26	<5	2.3	30	157	110	<1	5	<1	221	1	84	14	<1	480	<1	6	<10	14	822	<0.5	42	<1	425	39	16200	39
L0+00-4+00W	5	299	<10	<0.1	1100	<1	10	24	<5	31	<100	210	<1	1.1	<0.5	25	<1	<1	<5	5	<5	<0.5	<1	23	50	<1	<1	<1	93	<1	16	<1	<1	140	<1	<1	<10	1.6	69	<0.5	2	<1	<5	2	240	9
L0+00-4+50W	3	>300	<10	<0.1	400	<1	<10	12	<5	91	<100	110	<1	<0.5	<0.5	83	<1	<1	<5	7	<5	<0.5	<1	24	<10	<1	<1	<1	109	<1	25	<1	<1	50	<1	<1	<10	1.2	28	<0.5	1	<1	<5	1	120	5
L0+00-5+00W	11	>300	<10	0.6	1960	2	40	218	20	8	<100	410	59	39	5.1	31	28	7	<5	16	<5	1	30	90	170	<1	5	<1	158	<1	51	13	<1	250	<1	7	<10	3.8	391	<0.5	5	<1	378	28	3220	15
L0+00-5+50W	16	>300	<10	<0.1	370	<1	<10	16	6	28	<100	320	5	6	<0.5	50	1	3	<5	2	<5	2.6	3	32	70	<1	<1	<1	144	<1	26	<1	<1	30	<1	<1	<10	2	566	<0.5	2	<1	26	6	410	21
L0+00-6+00W	69	196	<10	4.1	3550	4	240	58	13	62	<100	2360	90	79.3	7.1	26	36	15	<5	49	<5	<0.5	45	107	530	<1	7	<1	149	<1	87	16	<1	790	<1	10	<10	1.9	30	0.8	12	<1	649	59	2870	13
L0+00-6+50W	9	>300	<10	<0.1	570	<1	<10	25	<5	86	<100	170	4	5.5	<0.5	24	<1	<1	<5	3	<5	<0.5	<1	45	100	<1	<1	<1	149	<1	29	<1	<1	80	<1	<1	<10	0.7	84	0.6	<1	<1	26	6	550	<5
L0+00-7+00W	7	289	<10	<0.1	260	<1	<10	26	<5	28	<100	340	2	2.3	<0.5	61	<1	2	<5	1	<5	1.8	2	29	70	<1	<1	<1	224	<1	19	<1	<1	20	<1	<1	<10	3.1	714	0.6	2	<1	10	2	440	23
L0+00-7+50W	3	>300	<10	<0.1	800	<1	<10	9	<5	186	<100	130	<1	0.9	<0.5	86	<1	<1	<5	9	<5	<0.5	<1	69	<10	<1	<1	<1	85	<1	22	<1	<1	120	<1	<1	<10	0.6	41	<0.5	<1	<1	<5	2	200	<5
L0+00-9+00W	43	274	<10	0.2	840	2	80	43	86	9	<100	800	330	173	72.4	15	278	157	<5	6	<5	1	543	38	430	<1	93	<1	112	<1	90	173	<1	280	<1	53	<10	3.5	414	1.2	17	1	2050	114	450	19
L0+00-9+50W	<1	287	<10	<0.1	470	<1	<10	17	<5	184	<100	140	<1	0.8	<0.5	94	<1	1	<5	13	<5	<0.5	2	37	<10	<1	<1	<1	218	<1	27	<1	<1	60	<1	<1	<10	0.6	233	1.5	<1	<1	<5	2	350	7
L0+00-10+00W	3	>300	<10	<0.1	500	<1	<10	31	<5	181	<100	210	9	11.5	<0.5	62	2	2	<5	6	<5	<0.5	2	60	80	<1	<1	<1	81	<1	50	<1	<1	70	<1	<1	<10	1.6	268	0.9	1	<1	52	11	490	6
L0+00-10+50W	107	155	<10	0.7	5770	<1	460	48	51	<5	<100	610	226	161	36.6	7	155	146	<5	87	<5	<0.5	277	70	130	<1	53	<1	119	1	111	88	<1	1220	<1	31	<10	4	17	0.5	41	1	1760	113	770	46
L0+00-11+00W	8	298	<10	<0.1	1840	2	110	77	5	79	<100	150	32	27.1	2.6	73	13	3	<5	17	<5	<0.5	13	38	530	<1	2	<1	94	<1	22	6	<1	470	<1	4	<10	3.2	69	<0.5	4	<1	220	23	1360	<5
L0+00-11+50W	4	>300	<10	0.2	820	<1	10	31	<5	35	<100	380	13	14.6	<0.5	16	2	1	<5	3	<5	<0.5	2	45	40	<1	<1	<1	79	<1	21	<1	<1	80	<1	<1	<10	<0.5	27	0.6	<1	<1	78	13	310	<5
L0+00-12+00W	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
L0+00-12+50W	1	223	<10	<0.1	1510	<1	80	24	81	27	<100	300	88	44.1	15.2	14	66	35	<5	7	<5	0.6	124	36	170	<1	21	<1	68	<1	61	42	<1	220	<1	14	<10	4.3	372	<0.5	12	<1	427	32	960	30
L0+00-13+00W	1	>300	<10	<0.1	290	3	10	22	<5	192	<100	950	12	11.3	<0.5	44	2	2	<5	7	<5	<0.5	3	23	90	<1	<1	<1	50	<1	25	<1	<1	60	<1	<1	<10	1.4	170	<0.5	2	<1	58	8	470	8
L0+00-13+50W	38	229	<10	0.1	1160	<1	140	45	76	32	<100	350	145	79.7	21.1	43	100	55	<5	9	<5	0.6	160	76	330	<1	28	<1	79	3	60	56	<1	360	<1	21	<10	3.7	345	0.7	7	<1	909	48	620	14
L0+00-14+00W	9	>300	<10	0.2	1490	<1	140	39	45	37	<100	400	52	30.8	6.4	31	35	16	<5	24	<5	<0.5	65	95	340	<1	11	<1	145	<1	34	21	<1	440	<1	7	<10	1.4	37	0.6	3	<1	337	21	880	<5
L0+00-14+50W	18	140	<10	0.2	4540	<1	340	205	24	8	<100	12400	33	22.6	4.6	41	24	16	<5	34	<5	<0.5	40	85	80	<1	8	<1	291	<1	54	14	<1	610	<1	5	<10	2.8	49	<0.5	18	<1	205	17	5030	15
L0+00-0+50E	79	130	<10	0.7	5310	<1	480	206	130	121	200	1360	67	55.9	14.2	16	56	65	<5	83	<5	<0.5	118	504	120	<1	24	<1	157	<1	74	38	<1	1520	<1	10	<10	6	34	0.6	112	<1	377	50	1880	39
L0+00-1+00E	20	190	<10	0.3	4160	<1	250	275	36	111	<100	1350	97	110	11.5	62	50	53	<5	68	<5	<0.5	105	226	640	<1	21	<1	153	<1	100	32	<1	1250	<1	11	<10	5.4	42	<0.5	50	<1	556	87	2130	19
L0+00-1+50E	65	206	<10	0.2	3540	<1	270	79	30	151	<100	1160	110	105	10.9	29	50	41	<5	70	<5	<0.5	87	131	1350	<1	16	<1	150	1	62	27	<1	1210	<1	12	<10	3.5	87	<0.5	12	<1	730	90	1390	14
L0+00-2+00E	19	182	<10	0.2	2320	<1	180	31	32	93	<100	1130	37	31.5	4.4	153	20	27	<5	59	<5	1.1	44	106	110	<1	9	<1	121	<1	51	12	<1	910	<1	4	<10	4.7	961	<0.5	9	<1	253	24	460	29
L0+00-2+50E	21	247	<10	0.1	2940	<1	160	53	53	90	<100	600	51	28.2	7.7	50	34	22	<5	33	<5	0.6	65	75	360	<1	11	<1	108	<1	42	21	<1	890	<1	7	<10	3.9	561	<0.5	5	<1	283	19	1450	20
L0+00-3+00E	10	275	<10	<0.1	3070	<1	110	56	21	188	<100	540	45	36.7	3.9	99	19	14	<5	13	<5	1.8	34	67	340	<1	6	<1	120	<1	43	11	<1	610	<1	5	<10	3.9	1130	<0.5	10	<1	287	28	1010	23
L0+00-3+50E	37	201	10	0.3	1760	<1	280	25	56	14	<100	550	59	32.1	11.1	34	47	62	<5	17	7	1.6	104	36	250	<1	21	<1	162	1	82	32	<1	710	<1	9	<10	8.2	1170	<0.5	11	<1	323	22	350	46
L0+00-4+00E	34	282	20	0.1	2050	<1	160	60	94	31	<100	820	115	56.4	23.3	49	106	111	<5	16	5	2.8	227	63	290	<1	43	<1	169	2	91	67	<1	640	<1	19	<10	6.7	2300	<0.5	12	<1	666	33	540	38
L0+00-4+50E	6	191	<10	<0.1	2990	<1	150	70	20	44	<100	1180	155	126	9.7	26	53	12	<5	28	<5	<0.5	55	49	220	<1	8	<1	75	<1	180	23	<1	910	<1	16	<10	4.6	51	<0.5	13	<1	948	90	430	11
L0+00-5+00E	9	222	<10	<0.1	2220	<1	210	63	92	25	<100	500	104	60.5	15.1	37	72	41	<5	37	<5	<0.5	111	99	170	<1	20	<1	111	1	133	40	<1	1210	<1	15	<10	6.8	328	<0.5	26	<1	577	39	710	26
L0+00-5+50E	13	295	20	<0.1	2030	<1	100	54	25	77	<100	380	27	15.2	4.2	123	20	13	<5	22	<5	1.3	39	70	350	<1	7	<1	91	2	26	12	<1	760	<1	4	<10	4.7	1360	<0.5	2	<1	182	10	950	25
L0+00-6+00E	7	263	<10	<0.1	4140	<1	180	27	8	353	<100	350	32	57.8	1.5	98	8	4	<5	41	<5	<0.5	11	67	40	<1	2	<1	73	<1	81	4	<1	1300	<1	2	<10	3	73	<0.5	5	<1	210	62	550	<5
L0+00-6+50E	7	272	<10	<0.1	5510	<1	120	47	<5	58	<100	570	16	30.8	0.6	30	4	2	<5	34	<5	<0.5	4	56	10	<1	<1	<1	153	<1	101	2	<1	860	<1	1	<10	2.3	48	<0.5	3	<1	110	38	650	8
L0+00-7+00E	16	264	30	<0.1	1210	<1	<10	30	18	189	<100	330	3	3.4	<0.5	252	2	5	<5	3	<5	2.4	5	46	130	<1	1	<1	133	2	27	1	<1	70	<1	<1	<10	4.5	1230	<0.5	2	<1	20	3	710	31
L0+00-7+50E	7	295	20	<0.1	1530	<1	100	25	21	310	<100	180	72	52.8	5.9	140	32	13	<5	16	<5	5.7	34	49	330	<1	6	<1	28	2	84	14	<1	470	<1	8	<10	5.4	1320	<0.5	5	<1	432	35	2030	31
L0+00-8+00E	54	156	<10	0.1	2790	<1	390	29	20	13	<100	420	285	175	52.6	13	255	89	<5	61	<5	<0.5	297	119	50	<1	47	<1	185	2	229	126	<1	1190	<1	44	<10	5.2	108	<0.5	18	1	1830	115	1160	31
L0+00-8+50E	60	212	20	0.1	3850	<1	220	39	84	21	<100	740	371	229	65.5	37	322	153	<5	51	<5	2.5	411	113	160	<1	69	<1	155	2	404	160	<1	860	<1	56	<10	12.2	693	<0.5	25	2	2570	135	1250	55
L0+00-9+00E	28	>300	90	<0.1	4500	1	60	24	74	200	100	500	46	26.8	9.8	256	42	59	<5	14	5	5.8	99	76	340	<1	20	<1	174	3	86	29	<1	390	<1	7	<10	16.2	6980	<0.5	5	1	276	20	1260	101
L0+00-9+50E	45	>300	60	<0.1	740	<1	<10	17	38	35	<100	330	12	8.2	1.8	152	8	17	<5	1	<5	4.2	21	25	130	<1	5	<1	152	3	56	6	<1	30	<1	2	<10	6.7	4600	<0.5	4	<1	66	7	430	71
L0+00-10+00E	23	>300	30	<0.1	1000	<1	<10	10	37	52	<100	240	8	5.7	1.3	144	6	16	<5	2	<5	4.7	16	23	80	<1	4	<1	158	1	53	4	<1	40	<1	1	<10	9.1	2520	<0.5	6	<1	39	5	460	66
L0+00-10+50E	21	>300	90	<0.1	2100	<1	30	17	206	57	100	400	122	63.1	23.3	213	107	120	6	6	6	16.9	225	53	140	<1	45	<1	210	6	189	73	3	140	1	19	<10	13.5	10200	<0.5	13	2	562	48	1190	144
L0+00-11+00E	32	>300	40	<0.1	840	<1	<10	17	29	56	<100	210	9	6	1.1	154	5	14	<5	2	<5	10.5	14	31	80	<1	3	<1	155	3	31	4	2	60	<1	1	<10	5	4000	<0.5	3	<1	47	5	410	77
L0+00-11+50E	21	197	20	<0.1	13800	<1	210	48	137	39	<100	280	157	88.8	30.3	50	148	63	<5	47	<5	3.1	208	90	130	<1	35	<1	126	2	142	86	<1	1070	<1	26	<10	10	1460	<0.5	13	<1	907	59	700	39
L0+00-12+00E	7	>300	10	<0.1	1470	<1	40	12	44	21	<100	160	8	4.2	1.9	72	8	23	<5	5	<5	3.4	26	22	130	<1	6	<1	58	2	30	6	<1	320	<1	1	<10	5.7	2160	<0.5	2	<1	43	3	690	50
L0+00-12+50E	16	282	40	<0.1	8650	<1	130	20	64	246	100	210	28	17.1	5.9	221	27	29	<5	22	<5	7.9	54	70	150	<1	11	<1	158	2	56	18	1	580	<1	5	<10	7	4930	<0.5	5	<1	169	13	2510	67
L0+00-13+00E	12	169	50	<0.1	5580	<1	250	11	41	82	<100	130	39	21.7	10.3	86	49	41	<5	43	<5	2.9	96	34	80	<1	18	<1	93	3	44	33	<1	1030	<1	7	<10	5.9	3040	<0.5	4	<1	245	16	490	49
L0+00-13+50E	14	155	10	0.2	3920	<1	300	9	97	16	<100	230	69	34.8	16.8	35	77	72	<5	55	<5	1.4	158	51	70	<1	30	<1	108	4	77	51	<1	1260	<1	12	<10	8.8	631	<0.5	16	<1	392	23	200	54
L0+00-14+50E	31	252	30	<0.1	1280	<1	70	19	47	79	100	310	59	41.8	14.6	105	70	46	<5	9	<5	4	133	41	130	<1	23	<1	178	4	73	46	<1	320	<1	10	<10	6.1	2290	<0.5	4	<1	435	33	980	60
L0+00-15+00E	10	216	40	<0.1	1950	<1	240	11	29	26	100	140	18	11.6	3.1	106	16	15	<5	43	<5	6.4	29	41	90	<1	6	<1	145	3	33	10	<1	1130	<1	3	<10	4.3	4520	<0.5	3	<1	112	9	1240	48
DUP-L0+00-BL0+(	2	280	<10	<0.1	3200	<1	210	15	<5	92	<100	60	<1	2.3	<0.5	125	<1	3	6	38	<5	<0.5	2	41	<10	<1	<1	<1	<5	<1	23	<1	<1	910	<1	<1	<10	1.2	45	<0.5	2	<1	8	6	180	<5
DUP-L0+00-12+5(	1	241	<10	<0.1	1300	<1	80	25	76	31	<100	310	79	39.3	13.3	17	58	32	<5	7	<5	0.8	110	41	170	<1	19	<1	71	<1	67	37	<1	200	<1	12	<10	5	448	<0.5	12	<1	387	28	990	38
DUP-L0+00-1+00E	11	173	<10	0.3	3950	<1	260	273	29	144	<100	1210	79	94.4	8.8	60	38	41	<5	71	<5	<0.5	87	208	610	<1	17	<1	147	<1	90	26	<1	1290	<1	8	<10	4.5	52	<0.5	43	<1	476	78	1970	17
DUP-L0+00-7+50E	8	280	20	<0.1	1690	<1	100	25	23	272	<100	190	76	55.8	6.1	135	31	14	<5	17	<5	6.4	36	53	320	<1	6	<1	30	2	83	16	<1	470	<1	8	<10	5.6	1310	<0.5	5	<1	449	36	2080	34
DUP-L0+00-13+5(	14	169	10	0.1	4030	<1	310	9	111	18	<100	230	72	37.3	17.8	38	81	79	<5	56	<5	1.6	173	50	70	<1	32	<1	112	4	79	55	<1	1230	<1	13	<10	9.8	694	<0.5	17	<1	383	26	220	58
MMISRM18	22	34	20	8.1	190	<1	200	75	24	81	<100	870	5	1.7	1.5	4	7	7	<5	100	39	<0.5	20	614	300	14	4	6	186	<1	6	6	<1	1360	<1	<1	<10	20.8	<3	<0.5	29	<1	26	1	730	27
MMISRM16	20	62	30	29.3	60	<1	250	5	18	91	100	870	3	1.1	1.1	3	5	4	<5	39	64	<0.5	15	344	100	33	3	<1	368	<1	12	5	<1	500	<1	<1	<10	25.2	<3	<0.5	60	<1	12	<1	360	21
BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	1	<10	<0.1	<10	<1	<10	<1	<5	<5	<100	<10	<1	<0.5	<0.5	1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5

Appendix IV
Statement of Expenditures

Wages in field:				
J. Pautler	August 18 - 28	11 days @ 750.00/day	$8,250.00	
Brad Davies	Aug. 18-28, Sept.16	12 days @ 300.00/day	3,600.00	
Ned Reid	September 16	1 day @ 500.00/day	500.00	
		Total: 24 man-days		**$12,350.00**
Preparation, mobilization, demobilization:		(wages and transport)		**5,050.00**
Geochemistry:	36 rocks	@ 33/ea. Au, ICP	1,188.00	
	11 soils	@ 30/ea. Au, ICP	330.00	
	2 stream	@ 33/ea. Au, ICP	66.00	
	43 assays	@10/ea. Cu, Ag	430.00	
	560 soils	@39/ea MMI	21,840.00	
		shipping	1,106.00	
		Total:		**24,960.00**
Helicopter:	Canadian Helicopters, Smithers, British Columbia			
	Aug. 20, 22, 24-27	6.6 hrs @ $1,000/hr	6,600.00	
		Fuel	1,017.00	
	September 10, 16, 23	12 hrs @ 1,000/hr	12,000.00	
	(MMI Survey)	Fuel	1,722.00	
		Subtotal:	21,339.00	
	Interior Helicopters, Smithers, British Columbia			
	August 24	0.7 hrs @ $975/hr	682.50	
		Fuel	104.00	
		Subtotal:	786.50	
		Total:		**22,125.50**
Equipment Rental:	Truck	15 days @ 75/day	1,125.00	
	Truck	2 days @ 100/day	200.00	
	ATV	15 days @ 50/day	750.00	
	Fuel used on site		300.00	
	Radios, sat phone	12 days	120.00	
		Total:		**2,495.00**
MMI Soil Survey:	CJL Enterprises Ltd., Smithers, British Columbia September 10-23, 2009			**29,715.00**
Room and Board:	28 man days @ 130.00/md			**3,640.00**
Field Supplies:	(flagging tape, batteries, sample bags, markers, tags)			**480.00**
Maps and Copies:				**100.00**
Report & Drafting:				**10,000.00**
Subtotal:				**$110,915.50**
10% administrative support:				**11,091.55**
Total Value Of Technical Work:				**122,007.05**
Debited Pac (Lions Gate Energy Inc):				**37,779.61**
TOTAL APPLIED WORK VALUE:				**$159,789.66**