REPORT

on the

CHRISTMAS LAKE PROJECT

Canim Lake Area
Clinton Region, British Columbia
Latitude 51° 54' N., Longitude 120° 46' W.
NTS map sheet 92P/15W

by

James W. McLeod, P.Geo.

on behalf of

Omega Exploration Services Inc.

March 21, 2012
Savona, British Columbia

TABLE OF CONTENTS

APPENDICES

ILLUSTRATIONS

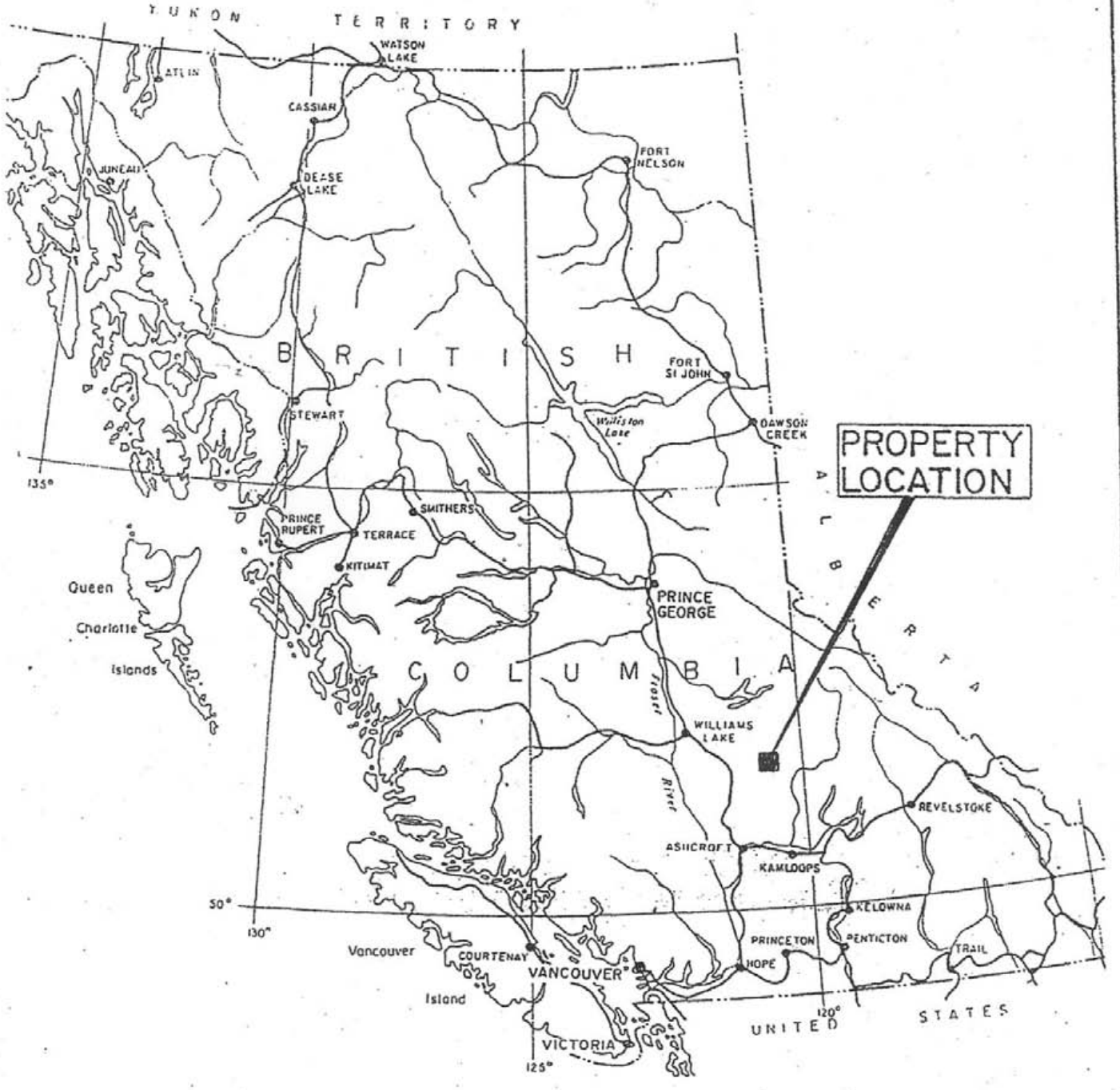
SUMMARY

The Christmas Lake Project described in this report is located on the north side of Canim Lake in the Clinton Region, south-central British Columbia, Canada.

The current project work was carried-out during the period, July 2- Nov. 24, 2011. Note : the fieldwork was not performed continually during this period (see Statement of Work). The fieldwork includes: geological and geochemical, as well as pH and aqua regia soluble calcium programs and corresponding statistical studies on three gridded areas (see Profiles Figures 4, 5a and 6). The geological mapping performed was of a more detailed nature usually along the sample grids. The soil geochemistry performed was as mobile metal ion (MMI) soil surveys over three gridded areas (two of the gridded survey MMI sampling programs were performed previously to the current program), but lacked the H+ concentration and soluble Ca component and rock exposure sampling.

INTRODUCTION

The current work program of MMI sampling has been combined with two previous data sets and all three have undergone H+ concentrations (using initial pH data plotted against aqua regia soluble Ca results quoted in parts per million) found plotted as Profiles listed in the Illustrations section. This work was undertaken to better understand the current data and relate previous soil results using the mobile metal ion soil (MMI) sample method and the proprietary IONIC leach digestion. The author hopes to derive more information about the underlying bedrock in the widespread overburden covered areas when considering possible rock type changes and structural characteristics. As for the fill-in soil sampling of the original grid area (1985-89), it is hoped to obtain a more detailed understanding of the type and trend of the mineral zone. Any meaningful concentrations of MMI results may also receive further fill-in geochemistry and geophysical testing to augment those results. We are looking for results that would encourage further drill testing on the property.



OMEGA EXPLORATION SERVICES INC.

CHRISTMAS LAKE PROJECT
LOCATION MAP

N.T.S. 92P-15W CLINTON REGION, B.C.

0 200 400 600 KM.

SCALE: AS SHOWN	DATE: FEB 2012
DRAWN BY.: J.M.	FIGURE Nº. 1

CHONG

LOCATION AND ACCESS

The claim area may be located on NTS map sheet, 92P/15W at latitude 51° 54' north and longitude 120° 46' west. The property is situated approximately 42 air kilometres (25 air miles) northeast of the Town of 100 Mile House, B.C. on the north side of Canim Lake. The property is situated in the Clinton Region of British Columbia.

Access to the mineral claims is gained by traveling 55 km. (33 miles) east of 100 Mile House, B.C. on the good all weather Boss Mountain-Hendricks Lake road to Christmas Lake and the property.

Old logging and early mineral property roads traverse much of the mineral claim areas.

TOPOGRAPHICAL AND PHYSICAL ENVIRONMENT

The mineral claims lie within the Fraser plateau area which is part of the larger physiographic belt called the Interior plateau region and covers low, rounded mountainous terrain. The resulting topographic features probably originated from deeper crustal movements that produce contraction and expansion zones through the crust offering zones of weakness. In the general area a sometime thick sequence of flow basalts cover large sections of the terrain. The area has undergone widespread glacial effects and overburden thickness in the claim area may vary considerably.

The claim area is mainly a mixed coniferous tree (spruce, pine and some cedar) covered plateau or terraced benches with some scattered patches of deciduous forest, such as Western white birch, cottonwood and aspen. The elevations of the claim area range from 854 metres (2,800') to 1,067 metres (3,500').

The general area experiences approximately 90 cm. (35") of precipitation annually, of which 15% - 20% may occur as a snow equivalent. The winter weather is moderately cold with, not infrequent warming periods. The summer weather could be described as variable, some dry and hot and others cool and wet. The local area can experience a squall-type of weather in any season.


QUESNEL
120°45'
51°55'
3926
3928
Tin Tin Lake 3283
Kellington Lake
3300
3600
3500
3400
Succour 3220 ± Lake
Succour
L 1217
600
224
600175
515808
Christmas Lake
Christmas Creek
3104
3100
2989
3000
Baldwin Lake
L 7815
L 8187
L 8293
48
49
50
51
52
53
54
55
56
L 8455 BK A
L 5011
3768
BK B
BK D
L 7684
L 1934
L 1951
BK A
BK B
L 7641
L 7682
L 7698
L 5236
L 7683
2600
2900
2800
Eagle Creek
L 7550
L 7426
LAKE
2534 ±
CANIM
L 943
L 2150 BK A-C
L 7685
2180
BK B
Paul Point
L 7560
L 5492
Eagle
BK B
BK C
BK A
L 1956
L 8137
L 8136
BK B
BK A
L 2157
BKS A-E
L 1956
L 2158
BKS E-A
3000
2800
3500
N
OMEGA EXPLORATION SERVICES INC.
CHRISTMAS LAKE PROJECT
CLAIM MAP
N.T.S. 92P-15W
CLINTON REGION, B.C.
0
1
2
3 KM.
SCALE: 1:50,000
DATE: FEB. 2012
DRAWN BY: J.M.
FIGURE Nº. 2

CHONG

PROPERTY AND OWNERSHIP

The property is situated in the Clinton Region of British Columbia, Canada at latitude 51° 54' north and longitude 120° 46' west.

The mineral claims referred to in this report now form all of the present Christmas Lake property, they are listed as follows:

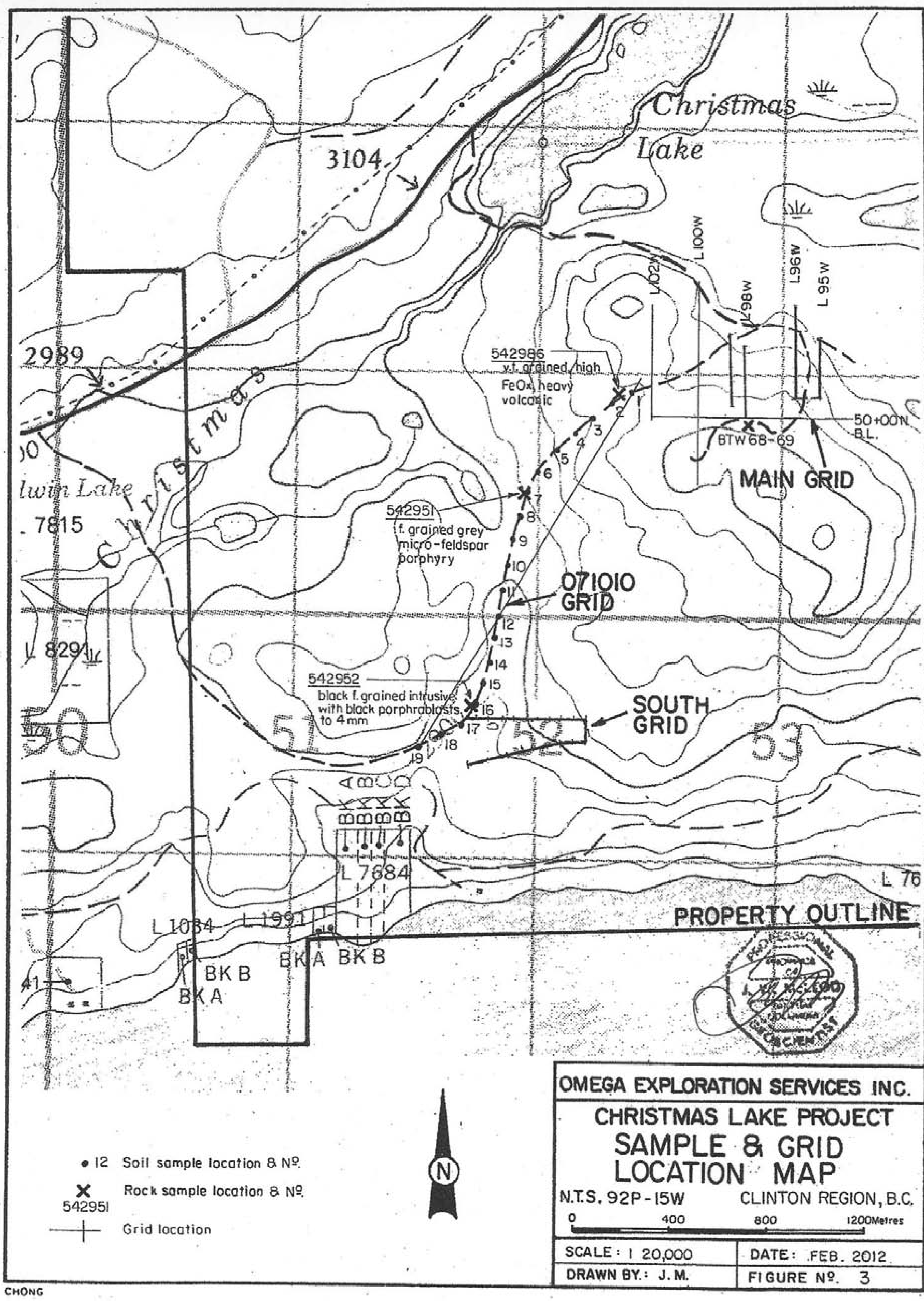
Name	Tenure No.	Size	Good to Date
N/N	515808	1,077 ha	Aug. 22, 2013
CLN	600175	279	Feb. 28, 2013
CLSW	600224	439	Mar. 01, 2013
	Total	1,795 ha (4,435 acres)	

The mineral claims are owned 100% by Omega Exploration Services Inc. of Savona, British Columbia, Canada.

HISTORY

The recorded mining history of the general mineral claim area dates from the 1970's when exploration emphasis was directed toward the porphyry copper discovery. It wasn't until the gold hunt became intense in the late 1970's and early 1980's that exploration activities in the project area increased. The following describes the exploration evolution of the Christmas Lake property. Some rock hand pits, bulldozer trenching and several A-sized diamond core drill holes of unknown location were undertaken peripheral to the large area of interest worked during the early 1970-80's porphyry period.

The exact date of this initial work is not known and is not available in the public record. In 1983 after the discovery of the QR (Quesnel River) gold deposit which is approximately 110 airkm. toward the northwest of the Christmas Lake property. A geological examination of the claim area revealed some lode gold indications and the property was staked on behalf of the E&B Syndicate (a German, foreign, exploration tax fund) operating out of Calgary, Alberta. E&B joint ventured (jv) the Christmas Lake Gold project with Ming Mines Limited of Vancouver, BC in 1985. The period 1985-87 saw Ming Mines fund the geological, geochemical and geophysical work on the property that constituted the jv activities. By 1990 Ming Mines had earned a 50% interest in the Christmas Lake gold property. The



Christmas Lake
3104
2989
Christmas
lwin Lake
7815
L 829
L 102W
L 100W
L 98W
L 96W
L 95 W
50+00N B.L.
BTW68-69
MAIN GRID
542986
v.f. grained, high FeOx, heavy volcanic
542951
f. grained grey micro-feldspar porphyry
071010 GRID
542952
black f. grained intrusive with black porphroblasts to 4 mm
SOUTH GRID
50
51
52
53
BK A
BK B
BK C
BK D
L 7684
L 1084
L 1991
BK B
BK A
BK A BK B
L 76
PROPERTY OUTLINE
• 12 Soil sample location & Nº.
X 542951 Rock sample location & Nº.
Grid location
N
OMEGA EXPLORATION SERVICES INC.
CHRISTMAS LAKE PROJECT
SAMPLE & GRID LOCATION MAP
N.T.S. 92P-15W
CLINTON REGION, B.C.
0 400 800 1200Metres
SCALE: 1 20,000
DATE: FEB. 2012
DRAWN BY.: J. M.
FIGURE Nº. 3

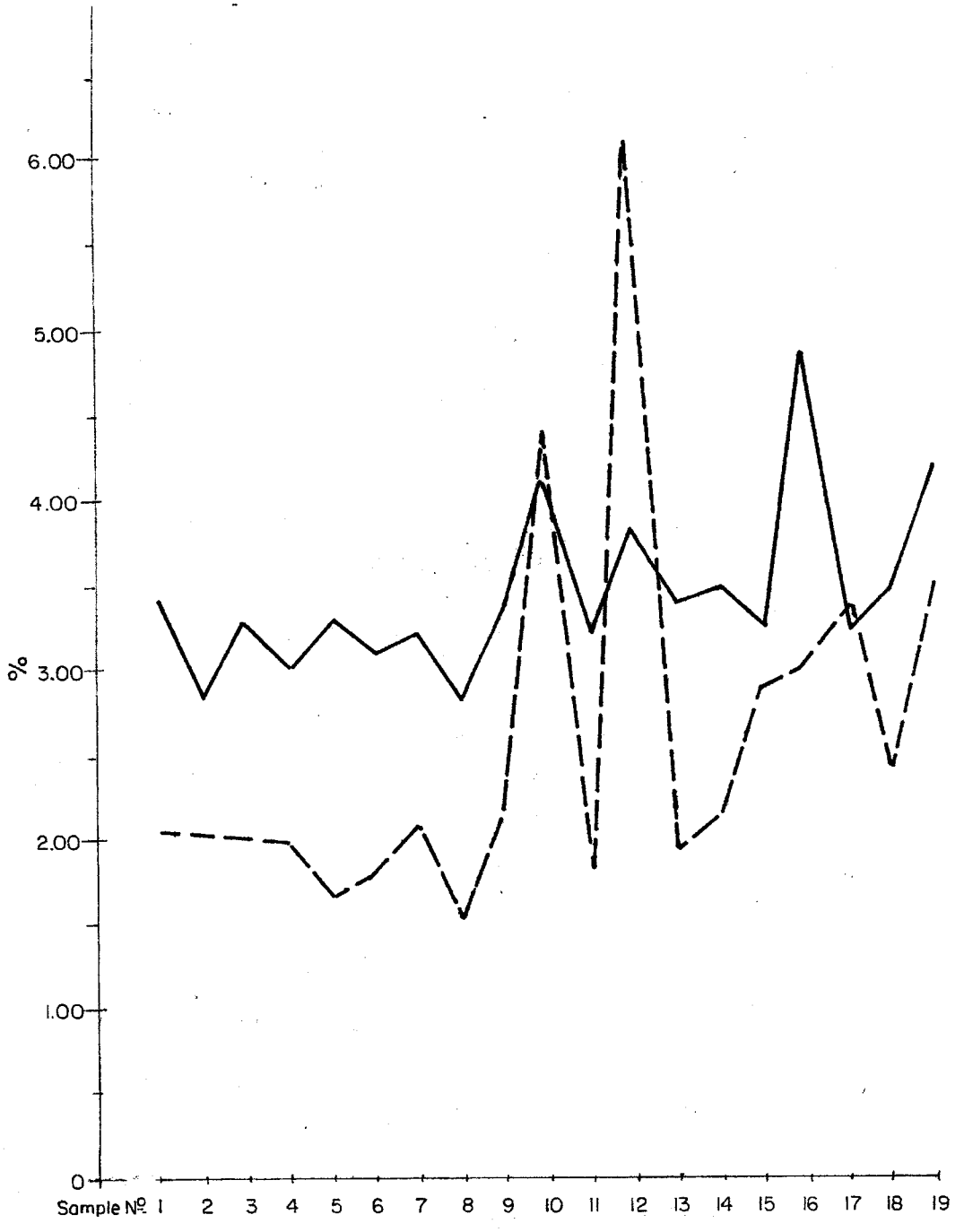
CHONG

fieldwork was carried-out by the operator, E&B (later this entity was taken over by Mascot Gold Mines Ltd. of Vancouver, B.C.).

From approximately 1988 to 2001, the property remained in good standing, but did not undergo further fieldwork until 2002 when trenching, rehabilitation of the property roads and some of the historical grid and an orientation sampling program were undertaken. In 2003 a two diamond drill hole (DDH) program was undertaken. Since this time the author has conducted some magnetometer, self potential, induced polarization (chargeability and resistivity), conventional and later MMI soil geochemistry and rock exposure sampling in the northwest quadrant of the mineral claim on what is referred to as the Lisa Grid. This is the area where during the period 1985-87 a soil and rock exposure sampling program returned highly anomalous gold values, but where the exact location of the sample sites has not yet been confirmed. From 2006 to the present project owner Omega has worked on the Christmas Lake property.

GEOLOGY

The property covers an area underlain by interlayered volcaniclastic and tuffaceous rock units assigned to the Upper Triassic age Nicola Group. Included in this assemblage are fine grained, crystalline andesites and/or diorites. These older units are in places intruded by quartz diorite of possible Cretaceous or younger age that are tentatively assigned to the Takomkane batholith type-unit occurring to the northeast of the claims. Generally the underlying rock units observed on the Christmas Lake Project area can be described as being of an alkaline composition. Volcanic dykes and overlying flows that appear to be the youngest rocks in the area, of Tertiary age, are also reported to have been observed cutting and overlying the older units. The property hosts a main zone of gold-bearing mineralization and several ancillary zones. The highest gold values encountered to date range from 1.5 - 6.0 grams (0.047- 0.193 oz/tonne). These mineralized areas are contained generally within the South area of the property that itself lies within large zones of propylitic alteration and silicification within the older rocks that may indicate varying proximity to the underlying intrusive rocks units. The basic features that are recognizable from the fieldwork performed to date on the property is that at most of the points of observable mineralization and/or anomalous areas of interest



Note: Grid line is not absolutely straight but projection (see Fig. 3).

% Ca (in ppm)-aqua regia soluble Ca.

$H^+ \times 10 \wedge 8$ (pH) - H^+ concentration-expressed as IDH=Inverse difference Hydrogen.

OMEGA EXPLORATION SERVICES INC.

CHRISTMAS LAKE PROJECT
071010 GRID

PROFILES

N.T.S. 92P-15W CLINTON REGION, B.C.

0 300 600 900 METRES

SCALE: 1:15,000	DATE: FEB. 2012
DRAWN BY: J. M.	FIGURE Nº. 4

CHONG

appears to be a strong structural preparation of the host rock and nearly always the occurrence of pyrite with the gold values.

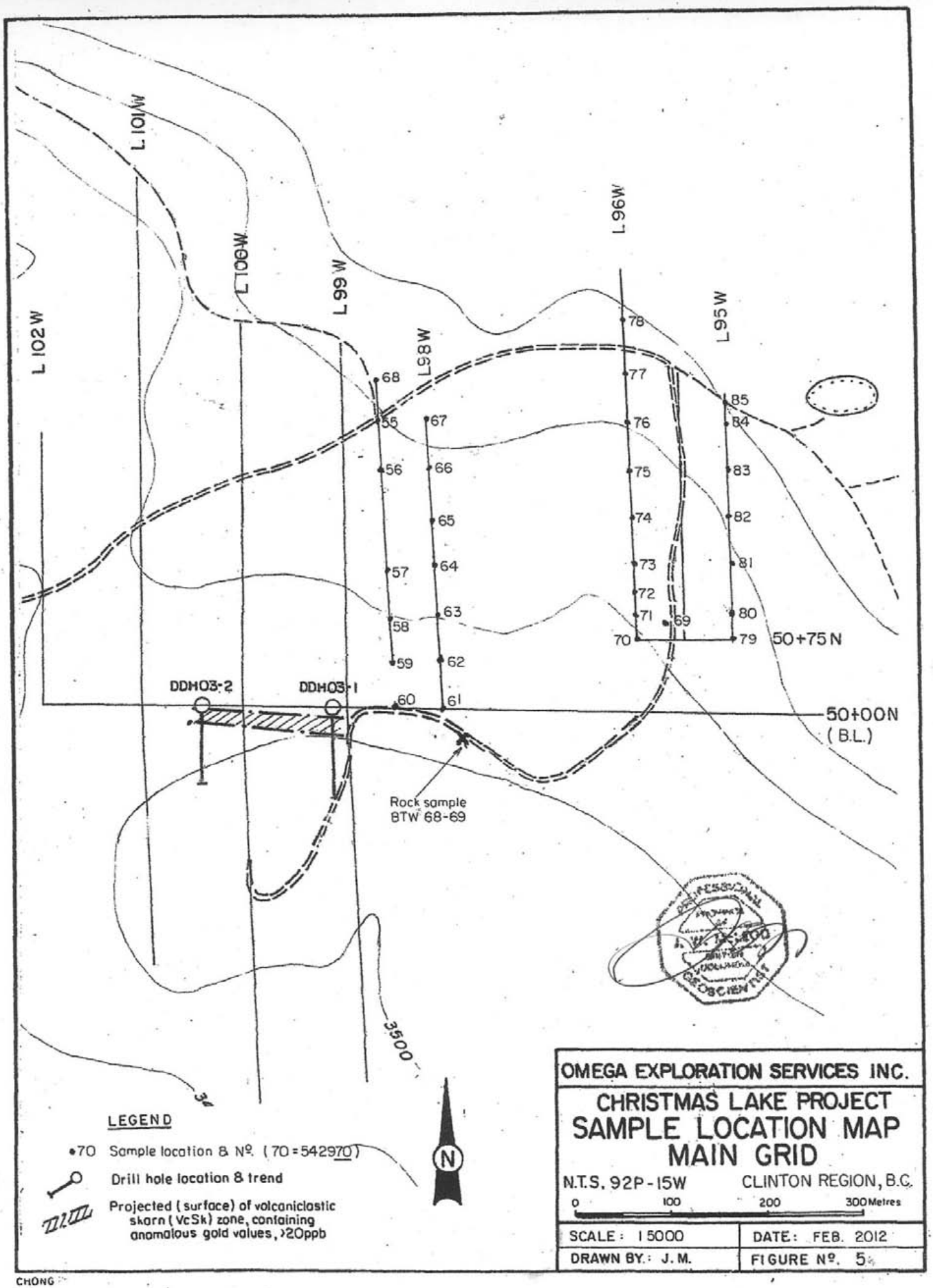
*Generally speaking, the conduits that allowed invasive igneous activity and subsequent hydrothermal alteration and mineralizing action appear to center about the northside of Canim Lake. This northeast-southwest trending, east dipping zone appears to have been affected by moderately strong east-west faulting that in this area suggests moderately steep, dipping structures.

The volcaniclastics, tuffs and generally fine grained, micro-porphyritic, crystalline rock units observed on the property have a similar appearance to the Central Belt units of the Nicola Group rocks that the writer has observed at a number of locations to the south in the Aspen Grove - Princeton areas of British Columbia. Locally these alkalic rocks may be interlayered with aphanitic textured tuffs of possible rhyodacite composition. The apparently youngest rock units observed in the claim area is a micro-porphyritic hornblende diorite that is observed to lie (or intrude) concordantly in the older layered sequences and to cut, in places, discordantly across these same units. These younger crystalline intrusive units could have a profound effect on the selective emplacement of the gold mineralization which may appear to maintain this trend, but that may not be readily observable in the field.

PREVIOUS WORK PROGRAMS

During the period 1983-87 the property underwent geological mapping, rock and soil geochemistry, magnetometer, very low frequency electromagnetic (VLF-EM) and induced polarization (IP) surveying, as well as, hand, hoe and bulldozer trenching in widespread areas. A number of coincidently anomalous areas of interest have been delineated.

During the period 2002-08 the property underwent a two DDH program and further rock trenching, some localized soil and rock sampling, self potential and magnetometer work in an area that had not undergone these surveys in the past. In 2006 the northwestern (formerly the Lisa) area underwent a limited prospecting IP survey and some coincident MMI sampling. The MMI soil geochemistry was continued in 2008-11.



OMEGA EXPLORATION SERVICES INC.

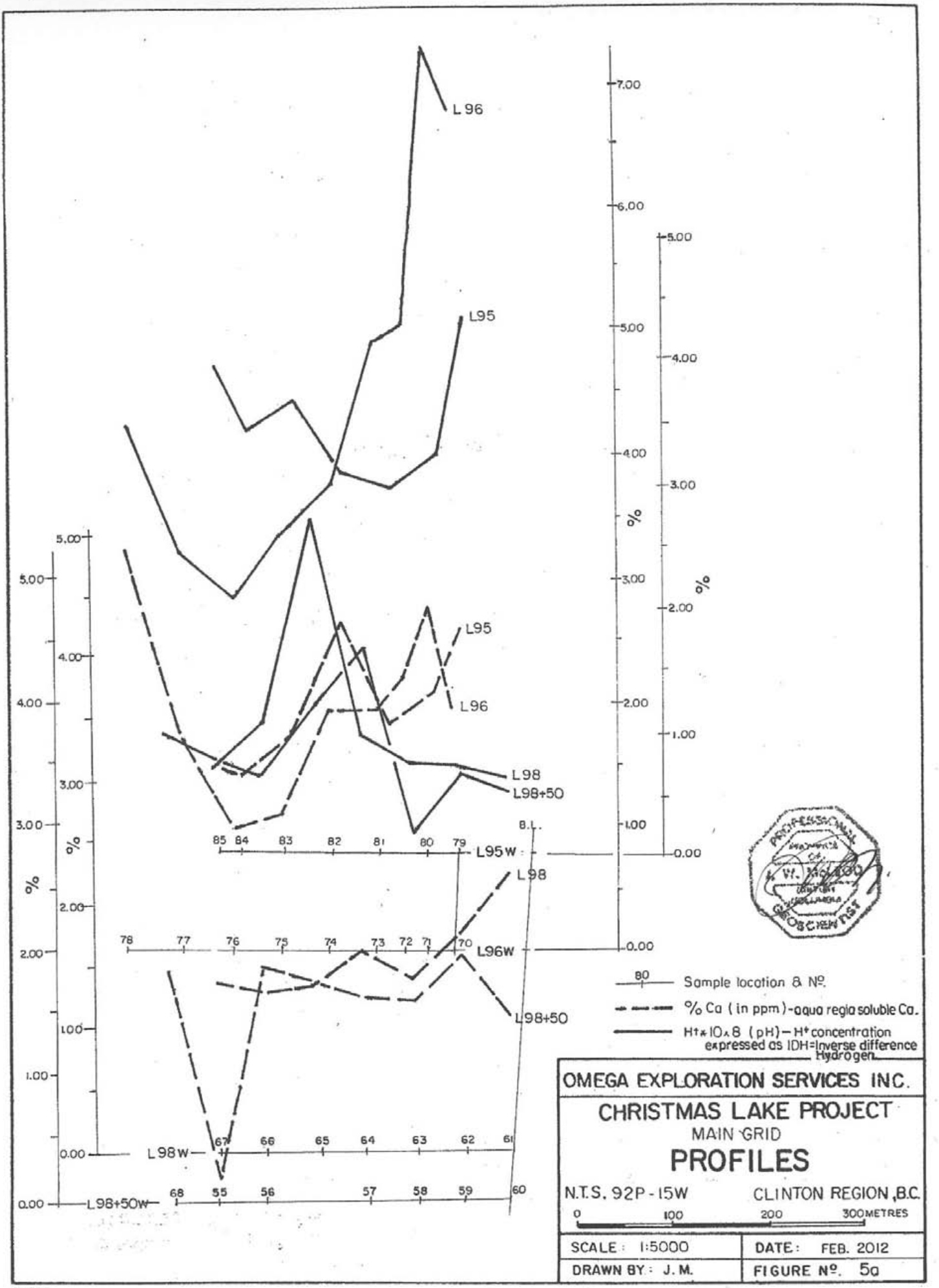
CHRISTMAS LAKE PROJECT
SAMPLE LOCATION MAP
MAIN GRID

N.T.S. 92P-15W CLINTON REGION, B.C.

0 100 200 300 Metres

SCALE: 1:5000	DATE: FEB. 2012
DRAWN BY: J. M.	FIGURE Nº. 5

CHONG



OMEGA EXPLORATION SERVICES INC.

CHRISTMAS LAKE PROJECT

MAIN GRID

PROFILES

N.T.S. 92P-15W CLINTON REGION, B.C.

0 100 200 300 METRES

SCALE: 1:5000	DATE: FEB. 2012
DRAWN BY: J. M.	FIGURE No. 5a

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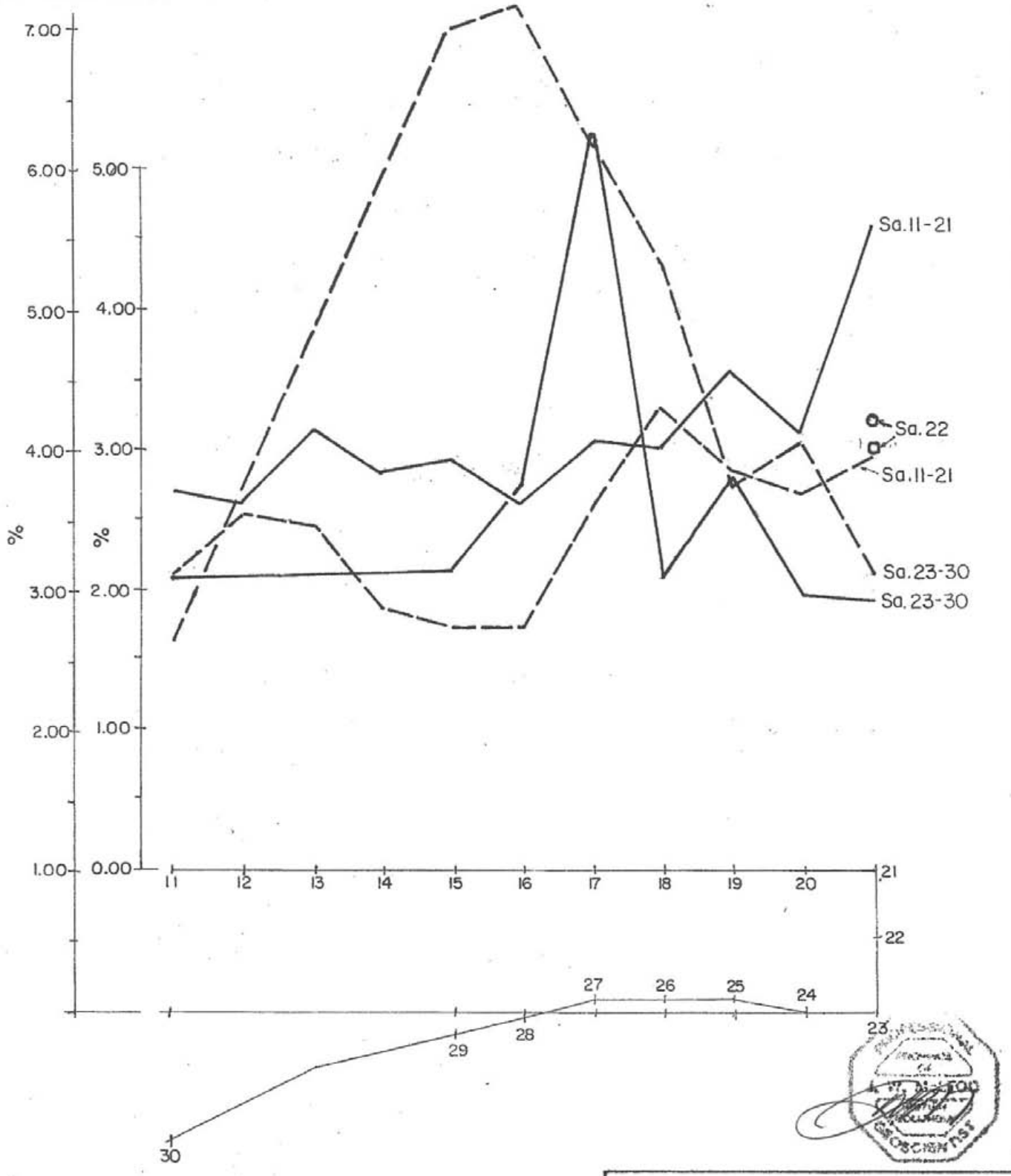
CURRENT WORK PROGRAM

The current fieldwork program was conducted by the author during the period July 2 – Nov. 24, 2011. The program consisted of conducting a grid controlled MMI soil sampling program 1.1 km length (see South Grid). Two separate gridded areas that were conducted earlier underwent H+ concentration from pH against soluble Ca ion concentrations from sealed samples taken prior to sending in the MMI samples for analyses. These gridded areas (071010 and Main) were previously sampled and a total of the three profiles are presented in this report (see Figures 4, 5a and 6). The data from all three gridded areas underwent descriptive statistical analyses. The 1985 conventional soil geochemical data for Mg and Au was obtained from the original records.

A total of 20 MMI soil samples were taken from the South Grid area, "micro layer" within the vertical section, that is measured from the bottom of the main organic layer (ground cover, humus, "root hairs"). The samples were taken from the bottom of this zone downward for an average depth from surface of from 10 cm. - 20 cm. with an approximate weight of 0.5 - 1.0 kg. The samples were placed in a heavy Ziploc bag. The samples were shipped to ALS Minerals laboratory in North Vancouver, B.C. where they were registered using our project name and sample numbers, bar coded and then sent by air to Perth, Australia for IONIC leach digestion and subsequent induction coupled plasma mass spectrophotometer (ICPMS) analyses. The samples underwent the ME-MS23 (multi-element) package. Also the samples from all three grids returned H+ concentration values calculated from pH were then converted to Inverse Difference Hydrogen (IDH) and plotted against calcium as (HA Ca, %) (see Figures 3, 4, 5, 5a and 6 and Tables 1-3), as well as copies of the analyses for each gridded area.

A number of larger rock exposure samples (6) were taken from the northeast corner of the Main Grid. The larger samples were taken from two zones, #1 and #2 which are listed as Sa. 1a - 1c (#601908 - #601910) and #2a - 2c (#601911 - #601913), respectively (see Figure 5 copy in Appendix 2). These zones (2) were cleaned-off with a pick and shovel and each represent a vertical section of approximately 0.5 meter length each with individual sample columns (a-c) taken from left to right as a grab-chip sample. A total of 1 historical rock exposure sample was analyzed by ME-MS41 and 7 underwent Au 30 g FA with AA Finish.



Note: Sample Nº 11 to 24 = 20111-20124 or 542987-54300
25 to 30 = 20125-20130 or 601901-601906

15 — Sample location & Nº.

o - - - - → % Ca (in ppm) - aqua regia soluble Ca

o ——— $H^+ = 10 \wedge 8$ (pH) - H^+ concentration expressed as IDH = Inverse Difference Hydrogen

OMEGA EXPLORATION SERVICES INC.

CHRISTMAS LAKE PROJECT
SOUTH GRID
PROFILES

N.T.S. 92P-15W CLINTON REGION, B.C.

0 80 160 240 METRES

SCALE: 1:4000	DATE: FEB. 2012
DRAWN BY: J. M.	FIGURE Nº. 6

CHONG

CONCLUSIONS

The current IONIC leach results from the South grid area, as well as previous data from the 071010 and Main grid areas are seen to exhibit a number of anomalous responses. The following are compilations of the statistical results and subsequent interpretation from the three gridded areas:

South Grid (VA11233226 – Analysis #)

The MMI results appear to exhibit some anomalous clustering of elements in the gold exploration suite (GES) which is comprised of cobalt, gold, nickel, palladium and silver. At other sites, although not necessarily at the same stations are some anomalous clustering of elements of the base metal suite (BMS) which is comprised of cadmium, copper, lead and zinc appear to be coincidently anomalous with parts of the GES. The anomalous elements of the GES and BMS are defined and include in the following tables that a definition of their respective anomalous divisions as derived by computing descriptive statistics allowing total percent frequency distribution curves for the elemental analytical results. These anomalous results are listed as follows:

Element	Anomalous (ppb) Mean Test or 95%	SD (ppb)	Stations
GES			
Cobalt	81	-	11, 15, 25, 26
Gold	0.73	0.26	27, 28
Nickel	739	436	25, 28
Palladium	2.4	0.84	11, 15, 28
Silver	40.2	39.2	26, 27, 28

BMS			
Cadmium	63	18.1	16, 25
Copper	2744	932	27, 29
Lead	168	53	6
Zinc	1372	472	25, 30
OTHER			
Arsenic	21	6.9	15, 25
Mercury	1.27	0.3	15, 27
Molybdenum	12.3	2.9	21
Iron	77.6	24	11, 15

Note: Mean = the sum of the values of the individual elements of a number of samples of any quantity divided by the number of samples; SD = standard deviation or a measure of data variation or the square root of the variance; HAT = highly anomalous threshold, any value equal to or greater than this value could be considered anomalous.

The MMI and H+ concentration vs aqua regia soluble Ca data from the South Grid area reveals a number of possibilities about the underlying character of the bedrock. The values from the North Line - NL (Sa. # 11-21) of Ca:Mg equals 10:1 while from the South Line – SL (Sa. # 23-30) equals 10:4.7). as seen in Figure 6 - Profiles the NL exhibit a northwesterly trend and the SL exhibits from west to east a northerly to northwesterly trend, respectively. The high Ca trend on SL is accompanied by an unexpected

high group of Cu values shown from station 24-29 and a major decrease between #29 #30 plus a possible significant increase in As.

The meaning of these characters may be due to a fault (W-E) occurrence between NL and SL.*

071010 Grid (VA11006592 - Analysis #)

Element	Anomalous(ppb) Mean Test or 95%	SD (ppb)	Stations
GES			
Cobalt	186	47.16	10
Gold	1.04	0.32	4
Nickel	297	89.2	12
Palladium	4.7	1.17	11
Silver	44.6	15.1	12, 16
BMS			
Cadmium	174	66.5	10
Copper	1317	395	10, 12
Lead	121	35	10
Zinc	1372	472	10

Note: Mean = the sum of the values of the individual elements of a number of samples of any quantity divided by the number of samples; SD = standard deviation or a measure of data variation or the square root of the variance; HAT = highly anomalous threshold, any value equal to or greater than this value could be considered anomalous.

Main Grid (VA10107354 - Analysis #)

Element	Anomalous(ppb) Mean Test or 95%	SD (ppb)	Stations
GES			
Cobalt	216.3	65.2	5, 29
Gold	2.03	1.23	18, 22
Nickel	297	92	7, 31
Palladium	5.7	1.5	5, 12
Silver	38.9	11	2, 7, 29
BMS			
Cadmium	51	17.7	24, 31
Copper	2031	895	25, 29
Lead	158	45	5, 9
Zinc	1015	424	7, 14

PPS			
Arsenic	24	7.6	4, 18, 19, 27
Mercury	0.6	0.12	3, 12, 17, 23, 29
Molybdenum	14.7	50.4	3, 19, 22, 27, 31
Iron	84	20.3	5, 9
Antimony	0.76	0.21	22, 29, 31
Selenium	6.8	2.4	12, 22, 23, 27, 31

Note: Mean = the sum of the values of the individual elements of a number of samples of any quantity divided by the number of samples; SD = standard deviation or a measure of data variation or the square root of the variance; HAT = highly anomalous threshold, any value equal to or greater than this value could be considered anomalous.

The H+ concentration vs aqua regia soluble Ca plots (071010, Main and South Grid) areas all are seen to exhibit some correlation between increasing H+ which equates to decreasing pH (more acidic) vs decreasing Ca and vice versa. The areas of higher H+ concentration (lower pH) if caused by a vertically lower oxidizing sulphide body it should produce higher aqua regia soluble Ca peaks around the periphery of the oxidizing body if it is lying flat, but if the oxidizing body is dipping the values may be less pronounced down dip.

RECOMMENDATIONS

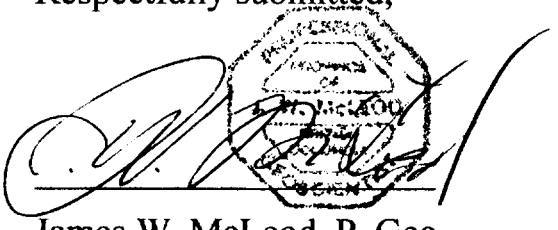
Follow-up grid sampling programs about the apparently anomalous samples is recommended. This work would entail grid controlled MMI geochemistry

utilizing a 30m. X 30m. sampling density in the South Grid area about sample locations #25 - #30, as well as SP, Mag and VLF-EM. If this work continues to reveal coincident results further follow-up work is recommended.

COST ESTIMATE

Geologist and two technicians for 10 days	$ 14,000
Camp and board for 30 mandays	4,500
Transportation rentals and fuel	3,000
Analyses and assays	3,000
Permits, fees, filings, insurance, etc.	2,500
Reports and maps	2,000
Contingency	3,000
Total	$ 32,000

Respectfully submitted,



James W. McLeod, P. Geo.

STATEMENT OF COSTS

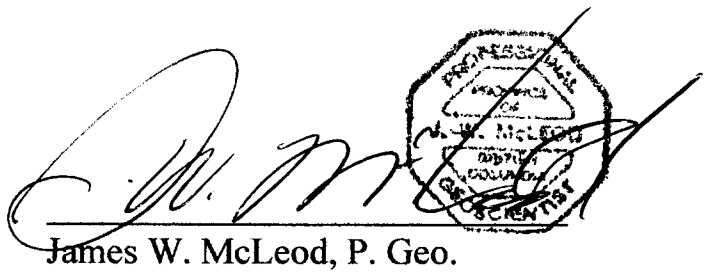
Geology, geochemistry and supervisor, James W. McLeod, for full days, July 2-3, 10 and ½ day 7, full day Oct. 6, full days, Nov. 22 and ½ day 24, 2011 (6 days)	$ 2,880
Field Assistant performing road clearing work, rock sampling, pH and statistical analyses, S.C. McLeod at $150 for full days, July 2-11 and ½ days Nov. 10-11, 2011 (11 days)	1,650
Field Assistant performing road clearing work, MMI soil geochemistry, J. A. McLeod at $200/day for full days, July 2-4 and ½ days July 5-10, full day Oct. 6, 2011 (7 days)	1,400
Transportation and travel	750
Camp and board - 24 mandays at $50/manday	1,200
Equipment rentals: utility trailer, chainsaws, ATV	300
Supplies - camp and field	250
Geochemical analyses	2,200
Report and maps	770
Total	$ 11,400

CERTIFICATE

I, JAMES W. McLEOD, of the Village of Savona, Province of British Columbia, hereby certify as follows:

1) I am a Consulting Geologist with an office at P.O. Box 216, 6857 Valley Road, Savona, B.C., V0K 2J0.
2) I am a Professional Geoscientist registered in the Province of British Columbia and a Fellow of the Geological Association of Canada.
3) I graduated with a degree of Bachelor of Science, Major Geology, from The University of British Columbia in 1969.
4) I have practiced my profession since 1969.
5) I have a direct interest in the Christmas Lake project.
6) The above report is based on personal field experience gained by myself in the general area during the past 41 years and on the Christmas Lake property in particular, during the past 10 years.

DATED at Savona, Province of British Columbia this 21st day of March 2012.



James W. McLeod, P. Geo.

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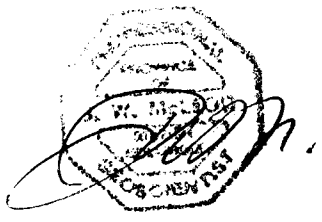
APPENDIX 1

1) MMI SOIL GEOCHEMISTRY
(IONIC LEACH DATA)

a) South Grid (VA 11233226), (20)

b) 071010 Grid (VA11006592), (19)

c) Main Grid (VA10107354), (31)



ALS Canada Ltd.
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To: OMEGA SERVICES
6857 VALLEY ROAD
PO BOX 216
SAVONA BC V0K 2J0

Finalized Date: 29- NOV- 2011
Account: OMESER

Project: CAN

CERTIFICATE OF ANALYSIS VA11233226

SOUTH GRID

Sample Description	Method	WEI- 21	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Recvd Wt.	Ag	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.02	0.1	2	0.02	10	0.2	3	0.05	0.2	1	0.1	0.3	1	0.1	1
20111		0.58	16.0	11	0.25	710	2.7	<3	0.05	213	46	133.0	111.0	42	1.0	1010
20112		0.62	26.4	<2	0.22	1190	0.7	<3	<0.05	255	21	73.9	44.3	13	2.6	586
20113		0.70	10.6	8	0.15	540	0.2	<3	<0.05	246	14	19.5	26.7	12	1.2	417
20114		0.58	13.7	8	0.14	630	1.1	<3	<0.05	186.5	31	17.0	36.2	16	2.7	154
20115		0.58	21.7	24	0.24	1020	2.0	<3	0.11	174.5	28	73.3	98.9	80	2.5	302
20116		0.58	6.8	14	0.06	760	1.6	<3	0.05	184.5	66	34.8	52.8	24	3.7	262
20117		0.86	27.8	6	0.20	690	0.3	<3	<0.05	263	13	30.6	41.5	9	2.6	317
20118		0.92	26.4	8	0.10	600	<0.2	<3	0.05	329	34	13.4	26.4	4	1.9	532
20119		0.92	12.6	3	0.20	690	<0.2	<3	<0.05	284	24	11.8	25.0	5	0.6	822
20120		0.94	12.3	3	0.10	830	0.2	<3	<0.05	268	29	59.2	26.1	8	0.9	687
20121		0.82	18.2	7	0.06	410	<0.2	<3	0.06	294	27	17.0	26.0	6	2.0	456
20122		0.64	6.9	2	0.14	880	<0.2	<3	<0.05	369	42	15.2	13.3	5	1.4	220
20123		1.00	10.2	3	0.31	540	<0.2	<3	<0.05	312	15	15.2	63.6	6	0.6	410
20124		1.04	16.6	5	0.17	660	<0.2	<3	0.05	407	15	32.0	27.5	12	1.0	1050
20125		0.64	28.8	5	0.13	1090	0.3	<3	0.12	375	80	71.9	538	8	0.8	1205
20126		0.88	62.6	3	0.71	970	<0.2	<3	<0.05	534	17	8.3	104.5	2	0.1	2200
20127		1.16	185.5	2	0.77	550	<0.2	<3	0.05	618	16	3.2	72.0	5	0.1	3350
20128		0.72	40.5	2	0.81	900	<0.2	<3	0.07	714	11	29.3	51.1	5	0.1	2270
20129		0.80	35.8	<2	0.42	1500	<0.2	<3	<0.05	698	16	10.4	45.3	2	0.2	2720
20130		0.64	7.2	25	0.05	330	0.3	<3	0.06	264	32	11.7	35.8	8	1.6	193
TT#1		0.82	2.4	20	<0.02	2650	2.9	<3	0.07	25.9	8	7.8	170.5	9	0.5	185
TT#2		0.70	4.6	46	0.03	2050	2.7	<3	0.05	53.9	13	28.9	171.0	22	1.4	222
TT#3		0.52	2.5	19	0.02	1360	3.5	<3	0.07	67.4	13	17.3	107.5	17	0.4	183
TT#4		0.60	10.6	41	0.02	1100	1.8	<3	0.10	75.5	22	15.4	211	12	0.6	203
TT#5		0.76	4.0	26	<0.02	2490	2.3	<3	0.05	65.7	12	17.0	61.1	11	0.5	84
TT#6		0.72	2.9	10	<0.02	2440	2.9	<3	<0.05	160.0	23	16.6	190.5	3	0.3	185
TT#7		0.62	0.5	11	<0.02	3430	1.4	<3	<0.05	118.0	22	4.3	42.5	7	0.2	51
TT#8		0.66	4.9	11	0.06	750	2.0	<3	0.09	49.0	17	42.3	30.3	26	1.7	125
TT#9		0.66	3.1	5	0.02	820	1.4	<3	0.06	36.2	17	13.8	32.0	14	1.1	127
TT#10		0.78	3.0	85	0.06	1110	3.5	<3	0.14	37.3	12	57.4	44.6	34	1.6	206
TT#11		0.62	5.6	43	0.07	1320	2.7	<3	0.16	42.5	28	32.8	114.5	40	0.8	161
TT#12		0.62	3.3	51	0.03	1380	2.4	<3	0.12	71.6	21	32.9	40.9	32	1.2	132
TT#13		0.58	13.6	22	0.06	1060	2.0	<3	0.09	57.9	14	24.4	63.5	24	0.7	152
TT#14		0.60	2.2	11	0.04	810	0.9	<3	0.05	123.0	28	10.4	29.1	21	0.4	104
TT#15		0.64	5.0	8	0.02	1020	2.1	<3	0.17	42.8	19	22.2	17.1	34	1.4	211
TT#16		0.76	11.4	3	0.05	1350	0.5	<3	<0.05	240	10	15.9	40.6	11	1.3	182
TT#17		0.80	13.1	10	0.05	820	4.2	<3	0.24	10.9	8	64.3	155.5	36	2.0	346
TT#18		0.82	32.9	2	0.03	430	<0.2	<3	<0.05	344	18	7.7	23.4	1	0.5	254
TT#19		0.70	1.1	10	<0.02	2500	1.4	<3	<0.05	52.2	14	9.3	35.5	9	0.4	80
TT#20		0.68	6.3	19	0.02	1900	1.4	<3	0.06	117.5	8	20.7	14.9	6	0.4	110

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CERTIFICATE OF ANALYSIS VA11233226

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu
	Units	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
	LOR	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.5	0.1	0.1	0.01	0.1	0.1	0.2	0.1
20111		19.7	13.4	4.4	90.0	20.0	18.4	0.4	2.6	0.6	4.6	0.02	0.1	48.7	1.9	1.6
20112		11.3	7.8	2.5	33.5	30.3	11.1	0.2	1.5	0.7	2.7	0.02	<0.1	31.1	0.8	1.0
20113		3.5	2.2	0.9	34.1	13.6	4.1	0.2	0.9	0.7	0.8	0.02	<0.1	9.7	1.4	0.2
20114		3.8	2.9	0.8	48.3	23.5	3.3	0.3	1.3	0.7	1.0	0.01	<0.1	7.3	3.6	0.4
20115		6.2	4.1	1.5	85.3	32.6	6.2	0.5	2.9	1.4	1.4	0.04	0.1	21.7	6.1	0.5
20116		4.7	3.6	0.9	58.1	23.6	4.2	0.3	1.5	1.1	1.2	0.02	0.1	12.1	1.8	0.5
20117		4.5	2.9	1.1	31.4	17.6	4.7	0.2	1.0	0.7	1.1	0.02	<0.1	13.1	1.0	0.4
20118		2.4	1.6	0.6	20.9	15.6	2.7	0.2	0.5	0.8	0.6	0.02	<0.1	5.8	0.5	0.2
20119		4.2	2.6	1.2	16.5	18.9	5.2	0.1	0.5	0.6	1.0	0.01	<0.1	7.8	0.6	0.3
20120		13.7	8.9	3.3	30.1	23.5	14.7	0.2	1.2	0.4	3.2	0.01	<0.1	26.6	0.6	1.0
20121		2.2	1.5	0.5	16.7	11.3	2.5	0.1	0.6	0.7	0.5	0.02	<0.1	7.2	0.7	0.2
20122		4.2	3.0	0.9	17.5	22.6	3.9	0.1	<0.5	0.4	1.0	0.01	<0.1	8.0	0.7	0.3
20123		2.2	1.3	0.6	17.7	13.6	2.6	0.1	<0.5	0.5	0.5	0.02	<0.1	5.3	0.2	0.1
20124		8.4	5.1	2.2	25.6	15.4	9.6	0.1	0.6	0.5	1.9	0.02	<0.1	19.1	0.4	0.6
20125		17.4	13.0	2.9	19.8	27.4	14.3	0.3	<0.5	0.3	4.4	0.02	<0.1	25.9	23.9	1.5
20126		10.1	5.3	3.2	5.2	25.5	13.7	<0.1	<0.5	0.8	2.2	0.03	<0.1	9.0	2.3	0.5
20127		1.6	0.9	0.5	7.0	14.2	2.2	<0.1	<0.5	1.4	0.4	0.04	<0.1	1.3	0.8	0.1
20128		45.9	28.0	10.5	8.2	23.3	51.2	0.3	<0.5	0.5	10.9	0.02	<0.1	31.7	4.1	3.0
20129		15.9	9.9	3.9	8.3	35.9	17.9	0.1	<0.5	0.5	3.8	0.02	<0.1	9.6	0.7	1.1
20130		1.8	1.3	0.4	18.3	10.4	1.9	0.2	0.6	1.2	0.4	0.02	<0.1	4.3	1.4	0.2
TT#1		3.3	3.2	0.9	90.2	75.3	2.2	0.2	1.3	0.7	0.9	0.03	0.2	3.4	5.8	0.5
TT#2		10.5	6.9	2.1	85.4	62.8	8.0	0.3	1.1	0.8	2.5	0.04	0.2	11.2	2.5	0.7
TT#3		6.6	6.4	0.9	114.0	45.2	3.4	0.4	1.0	0.6	1.9	0.02	0.2	5.8	7.8	0.7
TT#4		7.2	4.9	1.3	97.2	40.3	4.9	0.5	1.9	0.7	1.8	0.03	0.1	6.6	3.7	0.5
TT#5		6.7	5.0	1.2	82.0	69.8	4.0	0.2	1.1	0.4	1.7	0.02	0.1	7.4	2.8	0.5
TT#6		6.4	4.8	1.1	58.2	65.0	4.0	0.1	<0.5	0.3	1.6	0.01	0.1	6.6	3.0	0.4
TT#7		0.9	1.0	0.6	115.0	85.8	0.6	0.1	0.7	0.3	0.3	0.01	0.3	2.2	4.4	0.2
TT#8		7.6	4.5	1.9	66.1	30.8	7.2	0.4	1.9	0.8	1.7	0.08	<0.1	19.1	4.7	0.4
TT#9		5.6	3.8	0.8	75.5	26.6	3.1	0.2	0.8	0.9	1.3	0.03	0.1	5.5	1.6	0.3
TT#10		12.9	7.5	2.9	90.6	42.9	11.3	0.5	2.5	1.2	2.9	0.08	0.1	25.4	8.2	0.7
TT#11		7.2	4.4	1.4	139.5	45.8	5.5	0.5	2.0	1.0	1.7	0.06	0.1	14.5	6.7	0.5
TT#12		8.4	5.0	1.7	106.5	51.8	6.9	0.6	1.9	1.5	1.9	0.07	0.1	14.3	7.6	0.5
TT#13		7.5	5.0	1.4	90.5	41.5	5.4	0.4	1.5	0.8	1.8	0.03	0.1	10.1	4.4	0.5
TT#14		3.2	2.1	0.6	104.0	33.2	2.3	0.5	1.1	0.7	0.8	0.02	0.1	4.9	2.5	0.2
TT#15		6.7	4.3	1.2	97.4	37.4	4.3	0.4	2.0	1.8	1.6	0.06	0.1	9.7	3.1	0.4
TT#16		5.6	3.6	1.4	19.3	38.6	5.3	0.3	0.8	0.3	1.3	0.02	<0.1	9.2	3.6	0.3
TT#17		13.4	7.9	3.0	44.0	28.0	11.7	0.1	1.9	1.8	2.9	0.13	<0.1	28.4	1.6	0.7
TT#18		2.1	1.1	0.5	8.3	11.1	2.7	<0.1	<0.5	0.3	0.4	0.01	<0.1	3.5	0.6	0.1
TT#19		2.9	2.4	0.6	100.5	69.6	1.5	0.2	1.3	0.4	0.8	0.01	0.1	4.3	1.9	0.3
TT#20		6.6	4.2	1.2	37.2	49.0	4.5	0.1	0.9	0.3	1.6	0.03	0.1	9.7	2.6	0.4

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Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pb 206	Pb 207	Pb 208	Pd	Pr	Pt	Rb	Re
	Units	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.01	0.01	0.5	0.1	0.1	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1
20111		37.8	7.07	6.9	2.4	59.0	437	163	42	35	84	3.3	11.8	<0.1	111.5	<0.1
20112		22.4	1.73	6.0	0.9	36.9	92	83	21	18	43	2.0	7.3	<0.1	139.5	<0.1
20113		22.5	3.96	9.6	1.0	13.4	105	23	6	5	12	1.0	2.4	<0.1	122.0	<0.1
20114		17.25	6.41	9.6	2.5	9.6	131	121	32	25	62	1.1	1.8	<0.1	121.5	<0.1
20115		20.8	6.51	7.4	5.7	23.1	205	77	20	16	40	2.6	4.8	<0.1	120.0	<0.1
20116		19.05	13.00	8.8	3.1	14.9	188	207	53	44	107	1.5	3.0	<0.1	139.0	<0.1
20117		32.9	1.83	5.4	1.5	15.8	68	50	13	10	26	0.9	3.0	<0.1	115.5	<0.1
20118		20.5	2.62	11.9	0.8	8.6	109	42	11	9	21	0.4	1.5	<0.1	81.6	<0.1
20119		27.9	3.67	7.5	0.5	14.5	124	8	2	2	4	0.6	2.2	<0.1	68.6	<0.1
20120		21.7	1.87	4.9	0.6	41.4	150	69	18	15	35	1.4	7.2	<0.1	131.0	<0.1
20121		17.55	5.04	16.6	1.2	9.0	122	23	6	5	12	0.6	1.7	<0.1	112.5	<0.1
20122		37.8	4.50	6.4	0.5	10.8	201	47	12	10	24	0.5	2.0	<0.1	124.5	<0.1
20123		35.0	6.43	7.6	0.4	8.3	80	13	3	3	7	0.4	1.4	<0.1	71.4	<0.1
20124		43.8	0.95	3.3	0.4	26.2	154	34	9	7	18	1.0	4.5	<0.1	51.4	<0.1
20125		87.2	26.8	11.1	0.4	34.2	1880	83	22	18	43	0.7	6.5	<0.1	108.5	<0.1
20126		150.5	1.32	10.8	<0.1	26.0	689	8	2	2	4	0.7	3.0	<0.1	14.4	<0.1
20127		30.1	1.71	8.2	0.2	4.4	475	2	1	<1	1	0.5	0.5	<0.1	16.1	<0.1
20128		116.5	0.60	7.2	0.1	77.4	1020	49	13	10	25	2.6	9.8	<0.1	25.8	<0.1
20129		78.7	0.91	5.9	0.2	26.4	366	30	8	6	16	1.3	3.2	<0.1	20.5	<0.1
20130		27.8	10.10	6.9	1.6	6.3	143	89	23	19	46	0.4	1.1	<0.1	76.0	<0.1
TT#1		13.65	0.74	0.9	1.8	5.9	57	20	5	4	10	1.6	0.9	<0.1	73.8	<0.1
TT#2		16.10	1.11	1.9	1.8	19.8	94	145	38	31	74	1.1	3.6	<0.1	151.5	<0.1
TT#3		26.0	1.29	2.3	3.1	8.7	119	101	26	22	52	0.8	1.6	<0.1	14.8	<0.1
TT#4		19.20	5.71	8.4	2.4	10.6	159	94	25	20	48	1.9	1.7	<0.1	24.6	<0.1
TT#5		30.3	2.28	1.2	1.3	10.3	51	36	9	8	18	1.2	1.8	<0.1	27.4	<0.1
TT#6		37.4	1.32	0.7	0.3	10.1	85	77	21	16	39	0.2	1.8	<0.1	28.7	<0.1
TT#7		53.0	11.65	1.3	0.9	2.1	48	2	<1	<1	1	0.5	0.4	<0.1	108.5	<0.1
TT#8		6.50	3.41	4.3	3.5	25.1	79	71	18	15	37	1.9	4.8	<0.1	133.5	<0.1
TT#9		15.20	4.56	1.0	1.4	8.9	67	89	23	19	46	0.6	1.7	<0.1	48.3	<0.1
TT#10		5.84	4.57	6.8	5.7	35.4	400	100	26	21	52	2.3	6.9	<0.1	83.3	<0.1
TT#11		20.7	4.63	3.9	4.3	18.0	136	154	40	33	76	2.0	3.4	<0.1	66.2	<0.1
TT#12		13.75	8.62	3.8	4.2	20.9	159	195	51	41	101	1.8	3.8	<0.1	81.9	<0.1
TT#13		15.40	3.51	2.1	3.0	15.3	90	132	35	28	67	1.3	2.8	<0.1	26.4	<0.1
TT#14		25.5	3.45	2.8	4.5	6.9	54	152	40	32	78	1.2	1.3	<0.1	49.5	<0.1
TT#15		13.35	5.23	2.5	3.7	13.3	92	83	22	18	42	1.6	2.5	<0.1	59.7	<0.1
TT#16		16.35	1.10	2.9	1.7	14.9	45	14	4	3	7	0.8	2.5	<0.1	65.5	<0.1
TT#17		2.41	0.85	4.3	1.6	39.1	173	80	21	17	41	1.8	7.7	<0.1	106.5	<0.1
TT#18		15.10	1.80	10.5	0.3	6.7	62	16	4	3	8	0.1	1.1	<0.1	45.2	<0.1
TT#19		19.80	5.64	4.0	2.3	4.5	43	37	9	8	19	1.4	0.9	<0.1	26.1	<0.1
TT#20		39.7	1.55	2.6	0.9	12.9	61	92	24	19	48	1.2	2.7	<0.1	21.7	<0.1

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SAVONA BC V0K 2J0

Finalized Date: 29- NOV- 2011
Account: OMESER

Project: CAN

CERTIFICATE OF ANALYSIS VA11233226

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Tl	Tl	Tm	U	W
	Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.5	1	2	0.1	0.2	1	1	0.1	1	0.02	5	0.5	0.1	0.1	1
20111		0.5	56	<2	13.6	<0.2	1090	<1	3.4	<1	20.0	369	<0.5	1.8	9.9	<1
20112		<0.5	18	<2	8.4	<0.2	1430	<1	2.0	<1	7.59	118	<0.5	1.1	8.0	<1
20113		<0.5	7	3	3.1	<0.2	1020	<1	0.7	<1	4.02	164	<0.5	0.3	2.3	<1
20114		<0.5	15	<2	2.3	0.2	844	<1	0.6	<1	5.13	546	<0.5	0.4	3.4	<1
20115		<0.5	41	3	5.1	0.3	947	<1	1.1	<1	19.10	1040	<0.5	0.6	3.6	1
20116		<0.5	18	<2	3.1	0.2	1110	<1	0.8	<1	8.30	552	<0.5	0.5	4.2	<1
20117		<0.5	9	<2	3.7	<0.2	1250	<1	0.8	<1	4.58	164	<0.5	0.4	4.5	<1
20118		<0.5	4	<2	1.9	<0.2	2090	<1	0.5	<1	1.97	86	<0.5	0.2	2.8	<1
20119		<0.5	7	<2	3.9	<0.2	2390	<1	0.8	<1	2.24	45	<0.5	0.3	1.5	<1
20120		<0.5	15	<2	10.4	<0.2	2340	<1	2.6	<1	5.62	64	<0.5	1.2	3.8	<1
20121		<0.5	5	2	2.0	<0.2	1730	<1	0.4	<1	2.09	100	<0.5	0.2	2.5	<1
20122		<0.5	6	<2	2.8	<0.2	3090	<1	0.7	<1	2.23	48	<0.5	0.4	1.8	<1
20123		<0.5	6	2	2.1	<0.2	2330	<1	0.4	<1	2.07	37	<0.5	0.1	0.9	<1
20124		<0.5	10	<2	6.8	<0.2	2830	<1	1.6	<1	3.01	44	<0.5	0.7	2.5	<1
20125		<0.5	11	<2	8.9	<0.2	3230	<1	2.8	<1	8.35	57	<0.5	1.7	8.4	<1
20126		<0.5	4	<2	8.9	<0.2	3110	<1	2.1	<1	0.59	15	<0.5	0.6	0.7	<1
20127		0.6	3	<2	1.5	<0.2	3360	<1	0.4	<1	0.28	14	<0.5	0.1	0.2	1
20128		<0.5	9	7	28.9	<0.2	5590	<1	8.6	<1	1.00	25	<0.5	3.3	4.3	<1
20129		<0.5	5	2	10.5	<0.2	5740	<1	3.0	<1	1.64	15	<0.5	1.1	1.0	<1
20130		<0.5	6	<2	1.5	<0.2	1850	<1	0.3	<1	1.89	272	<0.5	0.2	2.0	<1
TT#1		1.1	25	<2	1.5	0.2	391	<1	0.5	<1	2.71	780	<0.5	0.5	0.8	<1
TT#2		1.3	32	<2	5.8	0.2	463	<1	1.7	<1	4.68	938	<0.5	0.9	1.8	<1
TT#3		0.8	23	<2	2.4	0.3	525	<1	0.9	<1	3.73	1220	<0.5	1.0	1.2	<1
TT#4		2.0	20	<2	3.1	0.4	656	<1	1.1	<1	3.39	1120	<0.5	0.7	1.8	<1
TT#5		1.3	20	<2	2.7	<0.2	448	<1	0.9	<1	2.48	547	<0.5	0.7	1.0	<1
TT#6		<0.5	11	<2	2.6	<0.2	1200	<1	1.0	<1	1.57	174	<0.5	0.6	0.5	<1
TT#7		0.5	20	<2	0.4	<0.2	915	<1	0.1	<1	1.52	388	0.6	0.2	0.7	<1
TT#8		0.7	31	<2	5.9	0.6	142	<1	1.3	<1	5.19	1865	<0.5	0.6	2.7	<1
TT#9		<0.5	21	<2	2.2	0.2	152	<1	0.8	<1	2.47	779	<0.5	0.5	1.0	<1
TT#10		1.3	40	4	8.8	0.9	111	<1	2.3	<1	6.76	3470	<0.5	1.0	3.3	<1
TT#11		1.6	33	3	4.2	0.5	247	<1	1.2	<1	5.72	2770	<0.5	0.6	1.8	<1
TT#12		1.1	31	<2	5.1	0.8	312	<1	1.4	<1	6.14	2280	<0.5	0.6	2.0	<1
TT#13		0.8	25	<2	4.0	0.4	284	<1	1.2	<1	3.72	1435	<0.5	0.6	1.8	<1
TT#14		0.6	30	<2	1.6	0.6	400	<1	0.5	<1	3.39	2240	<0.5	0.3	1.6	<1
TT#15		<0.5	23	<2	3.3	0.4	197	<1	1.0	<1	5.47	1390	<0.5	0.6	2.4	<1
TT#16		<0.5	13	<2	4.0	0.3	967	<1	1.0	<1	1.30	786	<0.5	0.4	2.7	<1
TT#17		0.5	32	4	9.6	0.2	77	<1	2.4	<1	6.32	702	<0.5	1.0	3.1	<1
TT#18		<0.5	2	<2	1.8	<0.2	963	<1	0.4	<1	0.46	67	<0.5	0.1	0.4	<1
TT#19		0.8	23	<2	1.1	0.4	373	<1	0.4	<1	2.21	1035	<0.5	0.4	1.1	<1
TT#20		0.9	18	<2	3.1	<0.2	561	<1	1.0	<1	2.94	483	<0.5	0.6	0.8	<1

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Finalized Date: 29- NOV- 2011
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Project: CAN

CERTIFICATE OF ANALYSIS VA11233226

Sample Description	Method Analyte Units LOR	ME- MS23 Y ppb 0.1	ME- MS23 Yb ppb 0.1	ME- MS23 Zn ppb 10	ME- MS23 Zr ppb 0.1	pH- MS23 Final pH Unity 0.1
20111		136.0	11.2	390	100.5	7.1
20112		73.4	6.8	270	60.0	8.1
20113		19.8	1.7	270	30.9	8.3
20114		24.6	2.5	800	45.8	7.1
20115		37.6	3.6	1130	103.0	6.8
20116		31.3	3.2	690	53.5	7.9
20117		27.3	2.6	240	34.0	8.5
20118		14.9	1.3	580	18.3	8.3
20119		26.9	2.0	210	22.7	8.7
20120		79.9	7.0	730	42.2	8.3
20121		14.5	1.2	430	24.3	8.1
20122		33.4	2.4	730	17.8	7.4
20123		13.5	0.9	50	15.0	8.7
20124		53.5	4.0	210	23.0	8.3
20125		96.6	10.5	1400	17.0	6.8
20126		70.3	3.4	60	3.5	8.5
20127		14.1	0.7	50	3.6	9.0
20128		416	19.1	60	8.6	7.4
20129		120.5	6.8	50	16.8	8.3
20130		11.8	1.1	1700	21.8	7.7
TT#1		18.7	3.5	280	49.1	6.5
TT#2		56.7	5.4	110	33.5	6.5
TT#3		36.5	5.8	670	29.4	6.5
TT#4		47.0	3.9	1260	74.8	6.5
TT#5		46.5	4.3	650	43.6	6.5
TT#6		43.5	3.5	320	11.5	6.5
TT#7		6.7	1.3	1080	23.5	6.5
TT#8		39.8	3.3	850	59.1	7.4
TT#9		28.7	2.8	1260	26.2	6.5
TT#10		67.4	5.6	590	76.6	6.8
TT#11		35.8	3.7	1210	68.7	6.5
TT#12		42.8	3.7	630	63.9	6.5
TT#13		40.5	3.8	770	44.2	6.5
TT#14		18.5	1.7	630	45.5	6.5
TT#15		34.5	3.4	1400	60.5	6.5
TT#16		36.9	2.4	230	29.8	8.3
TT#17		78.2	5.9	1070	61.3	6.8
TT#18		16.8	0.7	60	3.5	8.1
TT#19		19.9	2.3	550	51.3	6.5
TT#20		42.9	3.0	350	32.8	6.5

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To: WESTERN MINERALS INC
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SAVONA BC V0K 2J0

Finalized Date: 31-JAN-2011
Account: WEMINC

CERTIFICATE VA11006592

Project: CP CLP 071010 GRID
P.O. No.:
This report is for 19 Soil samples submitted to our lab in Vancouver, BC, Canada on 13-JAN-2011.
The following have access to data associated with this certificate:
JIM MCLEOD

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS23	IONIC Leach - Complete PKG.	ICP-MS
pH-MS23	MS23 Leach pH	

To: WESTERN MINERALS INC
ATTN: JIM MCLEOD
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: W. Abbott
Wayne Abbott, Operations Manager, Western Australia

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CERTIFICATE OF ANALYSIS VA11006592

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- MS23 Ag ppb 0.1	ME- MS23 As ppb 2	ME- MS23 Au ppb 0.02	ME- MS23 Ba ppb 10	ME- MS23 Be ppb 0.2	ME- MS23 Bi ppb 3	ME- MS23 Br ppm 0.05	ME- MS23 Ca ppm 0.2	ME- MS23 Cd ppb 1	ME- MS23 Ce ppb 0.1	ME- MS23 Co ppb 0.3	ME- MS23 Cr ppb 1	ME- MS23 Cs ppb 0.1	ME- MS23 Cu ppb 1
071010 #1		0.52	13.7	11	0.24	530	2.2	<3	<0.05	203	57	31.4	49.0	17	4.2	682
071010 #2		0.54	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #3		0.54	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #4		0.94	25.5	7	1.22	950	0.6	<3	<0.05	199.0	6	46.1	104.5	12	3.2	1170
071010 #5		0.82	32.4	10	0.49	1310	3.2	<3	0.06	165.5	24	79.6	63.3	24	5.2	327
071010 #6		0.78	36.3	8	0.42	730	0.7	<3	0.07	180.0	16	38.4	61.5	10	3.2	595
071010 #7		0.66	37.9	8	0.45	630	1.5	<3	0.09	210	32	37.6	75.3	15	4.1	474
071010 #8		0.50	39.7	7	0.35	810	1.2	<3	0.06	151.0	12	53.1	64.2	11	4.2	459
071010 #9		0.48	15.3	12	0.13	560	0.5	<3	0.05	217	46	14.6	24.0	14	1.7	199
071010 #10		0.40	2.9	14	0.11	2420	5.5	<3	<0.05	435	293	37.9	208	23	0.6	1340
071010 #11		0.78	38.2	6	0.51	790	0.9	<3	0.06	177.5	15	55.1	67.7	18	2.6	460
071010 #12		0.56	46.5	6	0.95	740	0.4	<3	0.12	605	15	95.5	139.0	22	0.2	1430
071010 #13		0.56	27.8	10	0.43	1010	2.2	<3	0.10	192.0	24	51.4	81.1	23	4.9	539
071010 #14		0.52	21.4	10	0.14	760	2.3	<3	0.05	212	71	53.8	34.3	24	3.1	478
071010 #15		0.60	38.1	6	0.30	890	0.2	<3	0.07	286	17	85.0	57.1	15	1.0	824
071010 #16		0.70	45.6	8	0.18	730	0.2	<3	0.05	294	15	14.4	41.5	4	2.8	534
071010 #17		0.62	34.7	4	0.63	1060	0.3	<3	<0.05	332	24	43.6	56.5	10	0.3	750
071010 #18		0.68	27.9	6	0.84	510	0.6	<3	0.05	237	10	50.4	74.3	27	1.0	606
071010 #19		0.56	8.8	19	0.06	1100	1.7	<3	0.09	344	108	25.1	52.8	26	1.5	162

***** See Appendix Page for comments regarding this certificate *****

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Project: CP

CERTIFICATE OF ANALYSIS VA11006592

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu
	Units	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
	LOR	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.5	0.1	0.1	0.01	0.1	0.1	0.2	0.1
071010 #1		4.7	3.5	1.2	39.1	15.2	4.3	0.2	1.9	0.4	1.1	0.03	0.1	12.5	0.7	0.5
071010 #2		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #3		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #4		6.3	4.1	1.8	21.7	23.4	6.0	0.2	1.5	0.4	1.4	0.03	<0.1	14.7	0.4	0.5
071010 #5		8.6	6.1	2.3	51.9	39.4	7.6	0.3	2.6	0.6	2.0	0.04	0.1	25.3	0.6	0.7
071010 #6		4.2	2.9	1.1	25.0	20.3	4.6	0.2	1.6	0.4	1.0	0.03	<0.1	14.2	0.6	0.4
071010 #7		5.6	4.1	1.5	40.1	18.2	5.4	0.3	2.2	0.6	1.3	0.04	0.1	15.2	0.8	0.5
071010 #8		6.8	4.9	1.7	21.4	23.8	6.6	0.3	1.8	0.4	1.6	0.05	<0.1	19.2	<0.2	0.6
071010 #9		1.9	1.4	0.5	28.5	17.0	2.0	0.2	1.4	0.5	0.5	0.03	<0.1	7.7	0.3	0.2
071010 #10		31.9	36.2	5.5	85.1	60.2	18.3	0.3	1.7	0.7	9.8	0.03	0.2	18.6	1.1	6.0
071010 #11		6.5	4.6	1.9	30.0	21.9	6.7	0.3	2.7	0.5	1.5	0.05	<0.1	21.0	<0.2	0.6
071010 #12		17.9	11.0	5.0	14.5	16.8	18.5	0.3	1.4	0.7	4.0	0.05	<0.1	29.9	1.9	1.3
071010 #13		6.0	4.4	1.5	39.4	29.3	5.6	0.3	2.6	0.7	1.4	0.06	0.1	15.5	1.4	0.6
071010 #14		6.0	4.0	1.7	50.3	22.2	6.3	0.3	2.2	0.7	1.4	0.04	0.1	18.6	0.4	0.5
071010 #15		20.6	14.1	5.4	25.0	23.5	19.3	0.4	2.1	0.5	4.8	0.04	<0.1	36.4	1.0	1.6
071010 #16		2.8	1.9	0.7	15.2	17.7	2.8	0.2	0.8	0.7	0.7	0.02	<0.1	6.3	0.3	0.2
071010 #17		10.8	7.2	2.7	19.9	27.1	9.8	0.3	1.7	0.5	2.5	0.03	<0.1	15.8	1.0	0.9
071010 #18		6.3	4.2	1.7	30.6	14.2	5.8	0.2	1.4	0.5	1.4	0.03	<0.1	14.9	0.7	0.5
071010 #19		4.1	3.0	1.1	49.6	31.5	3.6	0.3	1.7	0.7	1.0	0.03	0.1	10.3	1.2	0.4

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CERTIFICATE OF ANALYSIS VA11006592

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pb 206	Pb 207	Pb 208	Pd	Pr	Pt	Rb	Re
	Units	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.01	0.01	0.5	0.1	0.1	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1
071010 #1		8.13	13.75	8.8	1.4	16.7	207	58	15	12	30	2.9	3.6	<0.1	138.0	<0.1
071010 #2		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #3		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #4		11.25	1.27	4.6	0.5	20.8	37	57	15	12	30	2.4	4.3	<0.1	114.0	<0.1
071010 #5		13.80	3.49	4.7	1.3	30.4	97	77	20	16	40	4.1	7.0	0.1	191.5	<0.1
071010 #6		15.70	5.50	10.3	1.4	18.3	52	31	8	6	16	3.0	4.0	<0.1	99.7	<0.1
071010 #7		15.35	6.88	5.9	1.4	20.4	110	53	14	11	27	3.9	4.4	<0.1	185.5	<0.1
071010 #8		9.65	2.95	7.6	0.7	27.8	57	54	14	11	28	3.2	6.0	<0.1	162.5	<0.1
071010 #9		6.96	7.32	13.8	2.1	8.7	112	23	6	5	12	2.4	2.0	<0.1	123.5	<0.1
071010 #10		65.0	42.7	2.7	0.9	41.3	182	156	39	33	81	3.5	7.6	<0.1	41.9	<0.1
071010 #11		11.95	4.41	11.4	1.4	26.9	76	46	12	9	24	4.7	5.9	0.1	162.0	<0.1
071010 #12		73.9	2.88	8.8	0.6	52.7	322	45	12	9	24	2.8	10.0	<0.1	8.4	<0.1
071010 #13		19.60	9.96	10.3	1.8	21.3	82	58	15	12	30	4.6	4.7	<0.1	196.5	<0.1
071010 #14		8.55	13.80	11.6	2.2	24.4	235	55	14	11	29	3.7	5.5	<0.1	123.5	<0.1
071010 #15		31.8	2.87	7.8	0.9	62.0	107	35	9	7	18	4.5	12.2	<0.1	91.3	<0.1
071010 #16		45.3	2.63	14.5	0.8	9.5	103	28	7	7	14	1.5	2.0	<0.1	142.0	<0.1
071010 #17		42.2	3.12	4.8	0.6	29.5	292	30	8	6	16	3.4	5.5	<0.1	37.5	<0.1
071010 #18		31.8	0.77	5.1	0.6	20.7	97	45	11	9	23	2.6	4.5	<0.1	48.3	<0.1
071010 #19		26.1	19.65	20.5	3.3	13.5	208	113	29	24	59	2.7	2.9	<0.1	72.0	<0.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: WESTERN MINERALS INC
PO BOX 216
SAVONA BC V0K 2J0

Finalized Date: 31- JAN- 2011
Account: WEMINC

Project: CP

CERTIFICATE OF ANALYSIS VA11006592

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	W
	Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.5	1	2	0.1	0.2	1	1	0.1	1	0.02	5	0.5	0.1	0.1	1
071010 #1		6.8	22	<2	4.1	<0.2	613	<1	0.8	<1	5.94	249	<0.5	0.5	9.5	<1
071010 #2		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #3		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
071010 #4		1.2	15	7	5.4	<0.2	1340	<1	1.1	<1	6.51	91	<0.5	0.6	7.0	<1
071010 #5		0.7	32	4	7.1	<0.2	960	<1	1.4	<1	9.89	240	<0.5	0.9	11.6	<1
071010 #6		1.4	13	8	4.3	<0.2	710	<1	0.8	<1	5.09	195	<0.5	0.4	6.4	<1
071010 #7		1.4	21	6	5.1	<0.2	768	<1	1.0	<1	6.64	223	<0.5	0.6	7.8	<1
071010 #8		1.2	22	4	6.5	<0.2	521	<1	1.2	<1	5.93	103	<0.5	0.7	9.1	<1
071010 #9		1.8	9	3	1.9	0.2	705	<1	0.3	<1	3.42	348	<0.5	0.2	4.8	<1
071010 #10		0.6	112	<2	14.0	<0.2	3200	<1	4.2	<1	12.05	117	<0.5	5.8	18.7	<1
071010 #11		0.6	19	6	6.4	<0.2	850	<1	1.2	<1	7.72	205	<0.5	0.7	8.2	<1
071010 #12		0.7	14	16	16.1	<0.2	2520	<1	3.2	<1	6.87	91	<0.5	1.5	5.9	<1
071010 #13		0.6	30	5	5.3	0.2	711	<1	1.0	<1	8.40	329	<0.5	0.7	9.3	<1
071010 #14		0.7	24	6	6.0	<0.2	703	<1	1.1	<1	8.26	306	<0.5	0.6	6.5	1
071010 #15		0.8	26	10	16.9	<0.2	1460	<1	3.5	<1	6.03	116	<0.5	1.9	11.4	<1
071010 #16		1.0	5	6	2.6	<0.2	1370	<1	0.5	<1	1.99	81	<0.5	0.3	4.9	<1
071010 #17		<0.5	16	7	8.5	<0.2	1720	<1	1.9	<1	4.79	72	<0.5	1.0	8.0	<1
071010 #18		0.7	23	3	5.4	<0.2	1240	<1	1.1	1	5.30	102	<0.5	0.6	5.2	<1
071010 #19		0.8	20	3	3.2	0.2	1420	<1	0.7	<1	5.89	541	<0.5	0.5	8.0	1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: WESTERN MINERALS INC
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SAVONA BC V0K 2J0

Finalized Date: 31- JAN- 2011
Account: WEMINC

Project: CP

CERTIFICATE OF ANALYSIS VA11006592

Sample Description	Method Analyte Units LOR	ME- MS23 Y ppb 0.1	ME- MS23 Yb ppb 0.1	ME- MS23 Zn ppb 10	ME- MS23 Zr ppb 0.1	pH- MS23 Final pH Unity 0.1
071010 #1		24.7	2.9	1230	40.0	7.1
071010 #2		NSS	NSS	NSS	NSS	NSS
071010 #3		NSS	NSS	NSS	NSS	NSS
071010 #4		29.1	3.1	150	29.6	8.3
071010 #5		47.5	4.9	380	55.8	7.1
071010 #6		23.0	2.4	550	39.0	8.3
071010 #7		32.8	3.4	400	49.1	7.7
071010 #8		38.5	4.1	200	43.4	7.7
071010 #9		11.4	1.2	610	32.5	8.3
071010 #10		190.0	35.0	5750	33.8	6.5
071010 #11		35.1	3.8	190	62.9	8.3
071010 #12		85.8	8.0	350	29.5	7.7
071010 #13		31.4	3.9	640	62.2	7.7
071010 #14		31.8	3.4	850	48.3	7.7
071010 #15		98.4	10.8	280	50.2	7.7
071010 #16		15.3	1.6	270	19.1	7.7
071010 #17		55.9	5.6	320	41.8	7.7
071010 #18		30.8	3.4	170	32.3	8.3
071010 #19		23.4	2.6	1770	39.1	6.5

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CERTIFICATE OF ANALYSIS VA11006592

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

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Finalized Date: 25- AUG- 2010
Account: WEMINC

CERTIFICATE VA10107354

Project: C.L. MAINGRID
P.O. No.:
This report is for 31 Soil samples submitted to our lab in Vancouver, BC, Canada on 4- AUG- 2010.
The following have access to data associated with this certificate:
JIM MCLEOD

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- MS23	IONIC Leach - Complete PKG.	ICP- MS
pH- MS23	MS23 Leach pH	

To: WESTERN MINERALS INC
ATTN: JIM MCLEOD
PO BOX 216
SAVONA BC V0K 2J0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: W. Abbott
Wayne Abbott, Operations Manager, Western Australia

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Finalized Date: 25- AUG- 2010
Account: WEMINC

Project: C.L.

CERTIFICATE OF ANALYSIS VA10107354

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS23 Ag ppb 0.1	ME-MS23 As ppb 2	ME-MS23 Au ppb 0.02	ME-MS23 Ba ppb 10	ME-MS23 Be ppb 0.2	ME-MS23 Bi ppb 3	ME-MS23 Br ppm 0.05	ME-MS23 Ca ppm 0.2	ME-MS23 Cd ppb 1	ME-MS23 Ce ppb 0.1	ME-MS23 Co ppb 0.3	ME-MS23 Cr ppb 1	ME-MS23 Cs ppb 0.1	ME-MS23 Cu ppb 1
542955		0.66	3.4	4	0.33	40	0.2	<3	<0.05	13.7	2	15.1	18.9	9	0.8	534
542956		0.56	42.0	9	0.23	780	1.5	<3	0.07	189.0	35	48.9	66.8	21	5.3	1940
542957		0.72	27.8	11	0.77	350	0.4	<3	0.05	160.5	8	58.7	60.7	16	4.3	963
542958		0.72	15.7	11	0.96	1370	3.4	<3	0.10	155.5	5	163.0	103.0	69	3.0	822
542959		0.44	16.7	13	0.39	900	7.0	<3	0.12	146.5	13	151.0	227	40	3.6	535
542960		0.78	27.5	5	0.16	360	0.4	<3	0.05	144.0	10	55.5	49.6	13	4.4	506
542961		0.48	41.7	8	0.52	910	2.3	<3	0.06	224	45	42.9	125.5	21	1.3	1390
542962		0.64	19.2	9	1.28	590	1.3	<3	0.07	175.5	7	74.0	66.5	21	4.1	712
542963		0.58	15.2	11	0.53	1130	5.7	<3	0.10	137.5	10	118.5	186.0	35	4.1	502
542964		0.50	20.5	19	0.79	200	1.9	<3	0.05	160.5	14	67.9	63.7	18	4.8	517
542965		0.60	18.0	10	0.26	450	0.9	<3	0.06	132.0	5	47.7	46.5	21	3.1	573
542966		0.64	30.7	7	0.40	620	2.1	<3	0.08	127.0	5	188.5	75.6	18	3.9	1030
542967		0.56	26.3	6	0.27	1240	1.4	<3	0.07	135.0	9	58.3	47.0	20	5.3	406
542968		0.70	27.1	24	0.12	430	1.5	<3	0.09	184.5	41	21.2	122.0	24	4.4	680
542969		0.50	8.9	20	0.17	520	3.9	<3	0.07	143.0	8	62.9	44.0	38	3.9	247
542970		0.46	12.6	17	0.38	420	2.1	<3	0.06	198.0	22	51.9	37.6	28	4.3	681
542971		0.42	17.8	18	0.22	240	0.2	<3	0.07	278	38	15.3	64.3	15	2.2	1070
542972		0.70	17.6	35	6.63	240	0.5	<3	0.06	217	7	23.4	18.2	12	4.6	331
542973		0.54	15.8	24	0.14	490	1.5	<3	0.07	190.5	14	37.7	128.0	26	4.6	790
542974		0.60	38.5	3	1.84	1570	0.8	<3	<0.05	195.0	4	56.7	51.5	18	1.7	1620
542975		0.56	26.4	8	0.85	610	0.8	<3	0.05	105.5	5	76.4	84.7	22	2.6	1490
542976		0.70	19.5	7	2.79	590	0.8	<3	0.05	98.0	9	72.0	32.5	18	1.3	1790
542977		0.54	20.4	9	0.32	1320	2.1	<3	0.08	173.0	8	82.7	74.5	38	3.8	394
542978		0.56	18.5	7	0.30	940	0.6	<3	0.08	325	80	46.3	120.5	17	0.9	663
542979		0.42	33.4	10	1.82	560	0.8	<3	0.07	183.0	6	52.4	107.5	23	4.1	2560
542980		0.64	33.9	20	1.71	710	1.2	<3	0.05	130.0	5	22.4	72.6	19	3.6	414
542981		0.58	32.1	27	0.68	890	2.5	<3	0.07	99.7	22	119.5	21.1	38	1.8	742
542982		0.68	20.1	8	0.76	1950	0.8	<3	0.09	187.0	4	170.0	62.3	43	0.5	297
542983		0.60	55.9	9	1.07	560	3.3	<3	0.07	90.4	16	300	333	58	2.5	4780
542984		0.68	29.0	8	0.71	690	4.2	<3	0.09	60.5	19	118.5	57.5	30	4.8	512
542985		0.60	12.8	7	0.55	1440	0.2	<3	0.07	699	51	12.6	93.1	6	0.5	378

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SAVONA BC V0K 2J0

Finalized Date: 25- AUG- 2010
Account: WEMINC

Project: C.L.

CERTIFICATE OF ANALYSIS VA10107354

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu
	Units	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
	LOR	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.5	0.1	0.1	0.01	0.1	0.1	0.2	0.1
542955		1.1	0.6	0.4	16.2	6.3	1.4	<0.1	0.7	0.2	0.2	0.01	<0.1	5.3	0.4	0.1
542956		7.4	4.2	2.0	29.5	19.9	8.0	<0.1	2.8	0.5	1.5	0.04	<0.1	22.2	0.4	0.5
542957		6.5	3.4	2.2	24.0	8.9	8.8	<0.1	2.0	0.6	1.2	0.05	<0.1	23.7	0.3	0.4
542958		19.3	11.4	5.4	79.3	33.1	23.3	0.2	4.7	0.5	4.0	0.09	0.1	70.2	1.2	1.4
542959		18.3	10.9	3.9	94.5	24.9	17.8	0.1	6.0	0.5	3.8	0.09	0.2	54.6	0.7	1.3
542960		5.1	2.6	1.6	14.7	9.7	6.9	<0.1	2.1	0.3	1.0	0.05	<0.1	27.1	0.2	0.3
542961		8.2	5.2	1.9	58.2	23.3	8.0	<0.1	2.0	0.4	1.8	0.03	0.1	17.2	1.0	0.7
542962		7.9	4.5	2.4	37.8	16.6	9.9	<0.1	3.7	0.5	1.6	0.05	0.1	32.9	1.6	0.6
542963		11.5	6.6	3.0	90.6	30.7	12.7	0.1	4.7	0.5	2.3	0.07	0.2	48.4	1.1	0.8
542964		6.2	3.2	1.8	36.3	11.0	7.7	<0.1	3.4	0.5	1.2	0.04	0.1	27.6	0.3	0.4
542965		4.8	2.6	1.4	47.6	12.4	5.8	<0.1	3.1	0.5	1.0	0.05	<0.1	22.4	0.6	0.3
542966		23.9	13.6	6.1	31.7	17.0	28.0	0.2	4.8	0.8	4.9	0.11	0.1	93.5	0.2	1.7
542967		7.5	4.4	2.2	37.0	28.2	8.6	<0.1	3.0	0.5	1.6	0.06	0.1	24.8	0.5	0.6
542968		2.3	1.3	0.7	53.4	13.5	2.7	<0.1	1.4	0.5	0.4	0.05	0.1	8.6	0.7	0.1
542969		6.3	3.7	1.9	56.3	17.7	7.0	0.1	3.5	0.5	1.3	0.04	0.1	23.0	1.3	0.5
542970		8.4	5.2	2.2	45.0	13.4	8.7	<0.1	3.5	0.4	1.8	0.04	0.1	22.8	1.3	0.7
542971		2.9	1.8	0.9	30.1	7.5	3.0	<0.1	1.2	0.6	0.6	0.03	<0.1	7.4	1.1	0.2
542972		2.8	1.6	0.9	36.3	8.5	3.5	<0.1	1.9	0.5	0.6	0.03	<0.1	11.2	1.0	0.2
542973		3.0	1.7	1.0	45.8	16.7	3.6	0.1	3.2	0.5	0.6	0.03	0.1	14.2	1.2	0.2
542974		10.0	5.7	2.9	25.8	32.6	9.9	<0.1	1.2	0.2	2.1	0.02	<0.1	20.8	0.5	0.6
542975		7.5	4.0	2.2	29.6	15.1	8.9	<0.1	3.7	0.3	1.5	0.03	<0.1	26.6	0.8	0.5
542976		7.5	3.9	2.3	30.1	15.3	9.3	0.1	2.6	0.5	1.4	0.04	<0.1	33.7	0.4	0.5
542977		7.7	4.2	2.2	58.3	30.1	8.2	0.1	2.3	0.6	1.5	0.04	0.1	26.8	1.0	0.5
542978		12.5	7.5	2.9	34.8	20.1	12.7	<0.1	1.5	0.4	2.6	0.04	<0.1	22.8	<0.2	0.8
542979		5.1	3.0	1.6	47.4	13.3	6.2	<0.1	3.2	0.5	1.0	0.04	<0.1	21.0	0.9	0.4
542980		2.4	1.4	0.8	38.7	18.9	2.7	<0.1	2.2	0.4	0.5	0.03	<0.1	10.1	0.7	0.2
542981		13.7	7.1	3.8	47.4	25.7	16.0	0.2	2.7	0.5	2.6	0.05	0.1	58.1	1.7	0.8
542982		10.0	5.2	2.9	29.3	42.5	11.8	<0.1	3.2	0.5	1.9	0.05	<0.1	32.3	0.5	0.6
542983		17.9	9.5	5.2	71.1	16.7	21.9	0.4	3.4	0.6	3.4	0.04	0.1	65.4	3.3	1.1
542984		9.1	5.1	2.5	56.4	24.8	11.1	0.1	5.1	0.5	1.8	0.08	0.1	42.0	0.9	0.7
542985		4.8	2.9	1.3	13.6	31.3	5.5	<0.1	0.8	0.3	1.1	0.03	<0.1	5.6	4.6	0.3

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CERTIFICATE OF ANALYSIS VA10107354

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pb 206	Pb 207	Pb 208	Pd	Pr	Rb	Re	Sb
	Units	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.01	0.01	0.5	0.1	0.1	1	1	1	1	1	0.1	0.1	0.1	0.1	0.5
542955		0.60	0.70	6.6	0.4	6.6	19	28	6	7	15	0.7	1.5	25.8	<0.1	<0.5
542956		12.05	8.31	6.6	0.8	29.2	234	71	17	16	38	3.0	6.4	164.5	<0.1	0.5
542957		3.46	2.08	22.1	0.7	35.4	59	30	7	7	16	2.3	7.3	67.4	<0.1	0.6
542958		18.40	0.88	5.1	1.7	96.5	53	127	30	28	67	5.5	20.6	113.5	<0.1	<0.5
542959		25.2	8.15	4.6	1.6	69.8	120	165	39	37	87	6.4	15.7	132.5	<0.1	<0.5
542960		3.40	2.76	4.9	0.5	31.2	71	20	5	4	11	2.5	7.1	135.0	<0.1	<0.5
542961		18.80	12.45	3.7	1.3	26.3	301	147	35	33	78	2.4	5.4	141.5	<0.1	<0.5
542962		8.19	3.48	10.1	2.0	40.2	58	84	20	19	44	4.2	8.8	129.0	<0.1	<0.5
542963		13.10	7.38	5.2	2.2	53.1	143	175	41	38	93	5.0	12.4	122.0	<0.1	<0.5
542964		10.05	1.94	7.1	1.7	32.6	55	43	10	9	23	3.8	7.5	116.5	<0.1	<0.5
542965		11.45	1.34	6.8	1.8	25.4	56	50	12	11	26	3.5	5.8	105.5	<0.1	<0.5
542966		15.80	5.12	10.8	1.0	114.0	42	112	26	25	59	6.0	25.2	159.0	<0.1	0.6
542967		7.09	1.62	4.6	1.0	34.2	42	97	23	22	51	3.3	7.4	167.5	<0.1	<0.5
542968		7.52	10.00	6.3	1.3	10.2	122	44	10	10	23	1.4	2.2	183.0	<0.1	<0.5
542969		7.41	14.70	7.2	2.9	27.8	78	123	29	27	65	3.6	6.2	106.0	<0.1	<0.5
542970		16.05	9.46	7.0	1.8	30.8	154	89	21	20	47	4.0	6.6	158.0	<0.1	<0.5
542971		17.70	14.20	14.2	1.6	9.7	240	47	11	11	25	1.2	2.0	110.0	<0.1	0.6
542972		7.06	2.16	3.8	3.3	14.1	49	44	10	10	23	2.2	3.1	84.6	<0.1	<0.5
542973		13.90	9.01	16.6	3.2	15.7	72	61	14	14	32	3.5	3.7	144.0	<0.1	<0.5
542974		24.4	0.55	4.4	0.2	32.3	81	57	14	13	30	1.4	6.4	74.1	<0.1	<0.5
542975		11.50	2.13	12.3	1.2	36.6	64	149	35	33	79	4.3	7.9	148.5	<0.1	<0.5
542976		5.32	4.46	15.2	1.2	40.1	53	23	5	5	12	2.9	8.8	60.7	<0.1	0.9
542977		23.7	2.50	6.5	1.6	30.5	77	117	28	26	62	2.6	7.0	116.5	<0.1	<0.5
542978		36.1	13.50	10.6	0.7	35.4	152	91	21	20	48	1.9	6.9	82.9	<0.1	0.5
542979		13.65	2.08	9.8	1.6	25.8	106	46	11	10	24	4.0	5.8	106.0	<0.1	<0.5
542980		8.15	2.07	4.2	1.9	11.7	61	38	9	8	20	2.4	2.7	82.1	<0.1	<0.5
542981		8.88	5.65	16.0	3.9	67.4	122	86	20	19	46	3.1	15.6	133.0	<0.1	<0.5
542982		37.4	1.26	5.1	0.7	42.7	83	57	14	13	30	3.4	9.2	82.3	<0.1	<0.5
542983		19.65	12.00	12.2	1.8	87.1	217	81	19	18	43	4.1	19.1	110.0	<0.1	0.8
542984		7.00	5.26	7.7	2.4	48.4	52	154	36	34	81	5.6	11.2	139.5	<0.1	<0.5
542985		48.4	21.0	288	0.2	12.0	448	40	10	9	20	0.4	1.8	17.9	0.5	0.9

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SAVONA BC V0K 2J0

Finalized Date: 25- AUG- 2010
Account: WEMINC

Project: C.L.

CERTIFICATE OF ANALYSIS VA10107354

Sample Description	Method	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23	ME- MS23
	Analyte	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	W	Y
	Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	1	2	0.1	0.2	1	1	0.1	1	0.02	5	0.5	0.1	0.1	1	0.1
542955		5	4	1.3	0.4	38	<1	0.2	<1	2.57	115	<0.5	0.1	1.1	<1	6.0
542956		20	5	6.9	<0.2	461	<1	1.2	<1	11.45	290	<0.5	0.6	11.6	<1	43.9
542957		23	5	8.0	<0.2	345	<1	1.2	<1	7.55	165	<0.5	0.4	9.3	<1	37.2
542958		58	5	20.5	<0.2	854	<1	3.4	<1	25.5	675	<0.5	1.5	15.4	1	129.0
542959		45	6	15.7	<0.2	733	<1	2.9	<1	36.2	574	<0.5	1.5	25.5	<1	110.5
542960		13	3	6.6	<0.2	427	<1	1.0	<1	10.10	143	<0.5	0.3	12.9	<1	28.2
542961		21	2	6.5	<0.2	961	<1	1.3	<1	12.05	427	<0.5	0.7	12.2	<1	57.5
542962		24	4	8.7	0.2	483	<1	1.4	<1	13.30	640	<0.5	0.6	12.6	<1	50.6
542963		25	5	11.1	<0.2	509	<1	1.9	<1	23.5	742	<0.5	0.9	16.6	1	72.1
542964		17	6	6.9	0.2	277	<1	1.1	<1	9.88	437	<0.5	0.4	9.9	1	34.0
542965		16	5	5.3	<0.2	350	<1	0.9	<1	11.95	501	<0.5	0.4	9.5	1	29.3
542966		43	8	24.4	<0.2	344	<1	4.1	<1	25.0	302	<0.5	1.8	21.1	<1	148.5
542967		21	3	7.7	<0.2	719	<1	1.3	<1	14.25	326	<0.5	0.6	10.5	<1	47.9
542968		14	5	2.4	<0.2	613	<1	0.4	<1	7.25	392	<0.5	0.2	5.0	<1	12.4
542969		25	2	6.2	0.3	322	<1	1.1	<1	15.65	883	<0.5	0.5	7.4	1	36.3
542970		29	3	7.0	0.3	546	<1	1.4	<1	11.45	665	<0.5	0.7	10.3	<1	52.7
542971		8	2	2.3	<0.2	669	<1	0.5	<1	3.92	436	<0.5	0.2	6.3	<1	19.9
542972		9	4	3.0	0.2	498	<1	0.5	<1	5.89	686	<0.5	0.2	5.6	<1	17.3
542973		13	4	3.3	0.4	447	<1	0.5	<1	8.59	1270	<0.5	0.2	7.0	<1	17.5
542974		23	<2	8.1	<0.2	1225	<1	1.6	<1	6.31	124	<0.5	0.8	6.6	<1	57.3
542975		23	6	8.4	<0.2	393	<1	1.4	<1	17.15	404	<0.5	0.5	11.0	<1	40.3
542976		33	7	8.4	<0.2	285	<1	1.4	<1	12.30	337	<0.5	0.5	7.7	1	43.0
542977		25	7	7.2	<0.2	926	<1	1.3	<1	20.7	550	<0.5	0.6	11.2	<1	41.3
542978		23	5	9.1	<0.2	1315	<1	2.1	<1	6.86	152	<0.5	1.0	15.0	<1	86.2
542979		14	4	5.5	<0.2	572	<1	0.9	<1	13.70	449	<0.5	0.4	11.7	<1	29.0
542980		8	3	2.6	0.2	341	<1	0.4	<1	7.16	561	<0.5	0.2	7.0	<1	13.7
542981		31	8	14.3	0.4	215	<1	2.4	<1	16.00	1120	<0.5	1.0	9.9	1	74.2
542982		25	4	9.9	<0.2	1060	<1	1.8	<1	25.7	308	<0.5	0.7	11.4	<1	51.0
542983		81	5	19.1	0.3	374	<1	3.2	<1	40.6	1180	<0.5	1.3	12.7	1	88.0
542984		24	3	10.3	0.3	205	<1	1.6	<1	21.8	683	<0.5	0.7	11.0	1	52.4
542985		5	14	3.6	<0.2	4250	<1	0.8	<1	1.25	52	<0.5	0.4	4.6	<1	40.2

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Finalized Date: 25- AUG- 2010
Account: WEMINC

Project: C.L.

CERTIFICATE OF ANALYSIS VA10107354

Sample Description	Method Analyte Units LOR	ME- MS23 Yb ppb 0.1	ME- MS23 Zn ppb 10	ME- MS23 Zr ppb 0.1	pH- MS23 Final pH Unity 0.1
542955		0.6	170	22.7	9.0
542956		3.6	810	94.9	7.7
542957		2.8	70	72.9	8.5
542958		9.4	310	172.5	7.9
542959		9.2	600	207	6.8
542960		2.0	310	77.7	8.3
542961		4.5	1350	73.8	6.8
542962		4.1	100	131.0	8.3
542963		5.6	390	159.5	6.9
542964		2.8	120	119.5	8.1
542965		2.4	110	113.5	8.3
542966		11.4	110	189.0	8.1
542967		3.9	120	105.0	7.4
542968		1.1	2120	46.4	7.4
542969		3.4	340	119.5	7.4
542970		4.7	230	123.0	7.4
542971		1.6	510	38.3	7.7
542972		1.5	130	65.2	8.3
542973		1.5	510	111.0	8.1
542974		4.8	50	38.2	8.3
542975		3.6	120	130.5	8.3
542976		3.2	70	89.3	8.5
542977		3.5	180	78.3	7.7
542978		5.7	360	52.3	6.8
542979		2.7	220	116.5	8.3
542980		1.3	110	76.8	8.3
542981		6.0	250	97.2	8.3
542982		4.1	50	105.0	8.3
542983		7.8	180	119.5	8.1
542984		4.6	360	178.5	7.9
542985		2.2	230	4.1	8.0

APPENDIX 2

MULTI-ELEMENT (1)

(VA10107355) – Sa # 542986

Au 30 g FA-AA Finish (7)

(VA11233438) – Sa # 601907

Refers to previous Sa # 542986

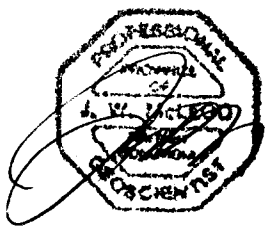
(VA11233438) Sa # 601908 - 601910

Refers to #1a-c

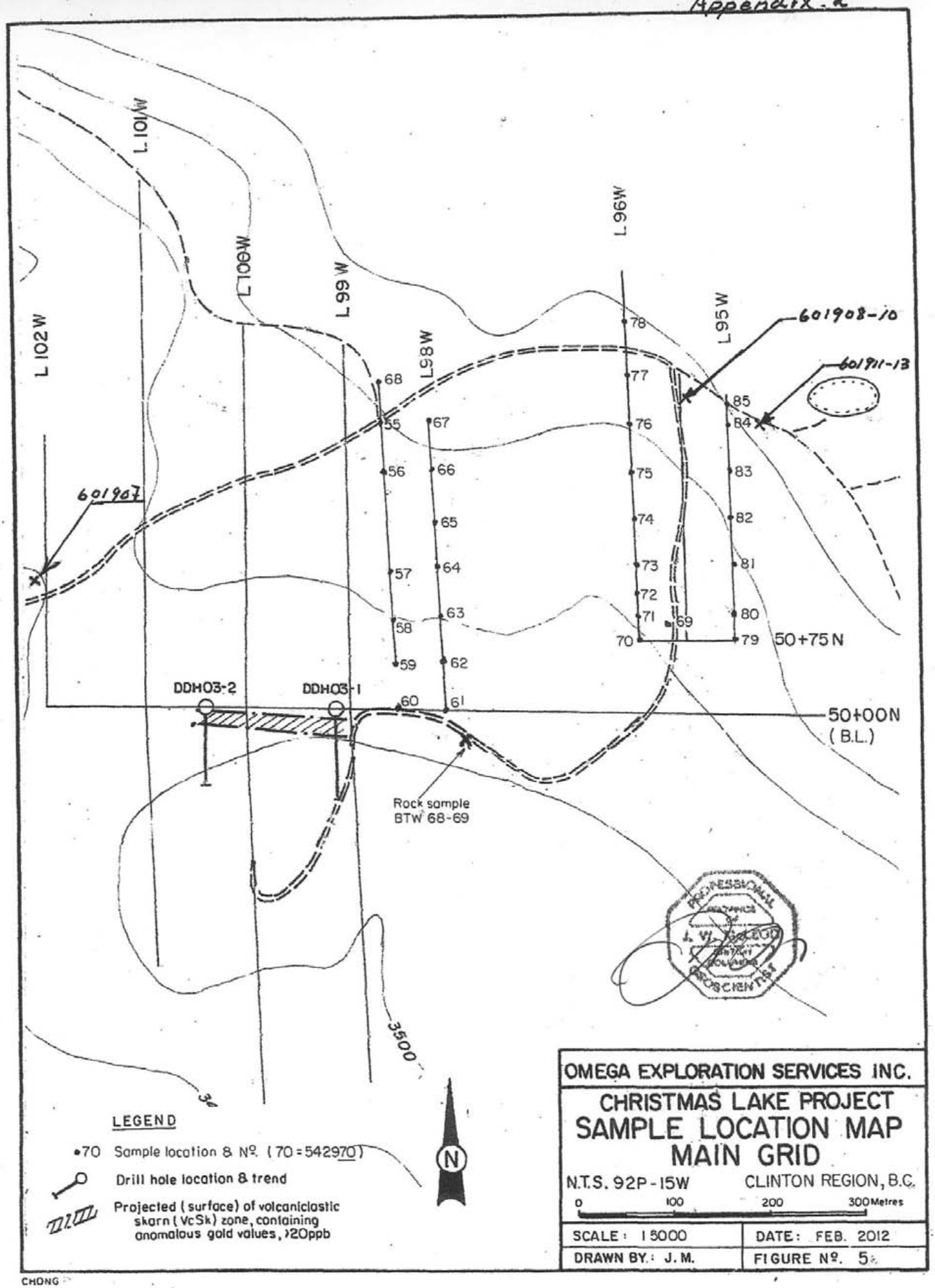
(VA11233438) Sa # 601911 – 601913

Refers to #2a-c

Note: Please use enclosed copy of Figure 5 as a reference



Appendix 2



OMEGA EXPLORATION SERVICES INC.

CHRISTMAS LAKE PROJECT
SAMPLE LOCATION MAP
MAIN GRID

N.T.S. 92P-15W CLINTON REGION, B.C.

0 100 200 300 Metres

SCALE: 1:5000	DATE: FEB. 2012
DRAWN BY.: J. M.	FIGURE Nº. 5

CHONG

MULTI-ELEMENT (1)

Sa547986 (VA10107355)

ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %
0.94	2.62	45.5	<0.2	<10	10	0.21	3.26	0.59

ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm
0.02	12.3	41.2	44	0.1	707	16.4	18	0.7

ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm
0.69	0.04	0.264	0.11	9.1	10.7	1.4	1030	1.58

ME-MS41 Na %	ME-MS41 Nb ppm	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm
0.06	0.24	28.9	930	18.1	1.3	0.005	6.67	2.65

ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %	ME-MS41 Tl ppm
12.7	16.1	2.1	21.4	<0.01	0.84	1.5	0.23	0.03

ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
0.85	133	0.25	12.2	23	18

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To: OMEGA SERVICES
6857 VALLEY ROAD
PO BOX 216
SAVONA BC V0K 2J0

Finalized Date: 1- DEC- 2011
Account: OMESER

CERTIFICATE VA11233438

Project: CAN

P.O. No.:

This report is for 7 Rock samples submitted to our lab in Vancouver, BC, Canada on 9- NOV- 2011.

The following have access to data associated with this certificate:

JIM MCLEOD		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA23	Au 30g FA- AA finish	AAS

To: OMEGA SERVICES
ATTN: JIM MCLEOD
6857 VALLEY ROAD
PO BOX 216
SAVONA BC V0K 2J0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 1- DEC- 2011
Account: OMESER

Project: CAN

CERTIFICATE OF ANALYSIS VA11233438

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA23 Au ppm 0.005
601907		0.06	0.253
601908		2.42	0.017
601909		2.82	0.044
601910		3.10	0.021
601911		2.32	0.036
601912		2.48	0.037
601913		2.28	0.026

APPENDIX 3

H+ (pH) vs HA, Ca, %

to accompany

(FIGURES - 4, 5a, 6)

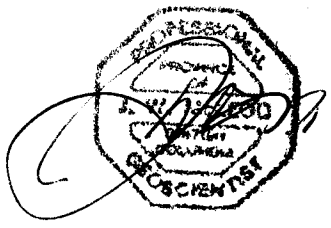

Table 1 (CLPpHTVA11006592) – 071010 GRID

MMI Sample #	pH	a) Log of pH	Acid pH	b) Log Ac. pH	a-b	1/a-b*
071010 #1	6.17	.7903	3.10	.4914	.2989	3.35
071010 #2	6.29	.7990	2.77	.4425	.3565	2.80
071010 #3	6.13	.7878	3.00	.4771	.3107	3.22
071010 #4	5.98	.7767	2.75	.4393	.3374	2.96
071010 #5	5.90	.7712	2.90	.4624	.3088	3.24
071010 #6	6.28	.7979	2.95	.4698	.3281	3.05
071010 #7	6.19	.7917	3.00	.4771	.3146	3.18
071010 #8	6.38	.8052	2.77	.4425	.3627	2.76
071010 #9	6.60	.8199	3.30	.5185	.3014	3.32
071010 #10	6.22	.7938	3.50	.5441	.2497	4.01
071010 #11	6.19	.7917	3.00	.4771	.3146	3.18
071010 #12	6.09	.7850	3.30	.5185	.2665	3.75
071010 #13	6.18	.7913	3.10	.4914	.2999	3.33
071010 #14	6.17	.7903	3.15	.4983	.2920	3.43
071010 #15	6.18	.7913	3.02	.4800	.3113	3.21
071010 #16	7.14	.8537	4.40	.6434	.2103	4.76
071010 #17	6.43	.8082	3.13	.4955	.3126	3.20
071010 #18	6.16	.7896	3.15	.4983	.2913	3.43
071010 #19	6.65	.8231	3.80	.5798	.2433	4.11

Table 2(CLPpHTVA10107354) - MAIN GRID

MMI Sample #	pH	a) Log of pH	Acid pH	b) Log Ac. pH	a-b	1/a-b *
542955	6.34	.8021	3.30	.5185	.2836	3.53
542956	6.32	.8007	3.25	.5118	.2888	3.46
542957	6.37	.8041	3.79	.5786	.2255	4.43
542958	6.39	.8055	2.91	.4639	.3416	2.93
542959	5.50	.7404	2.81	.4487	.2917	3.43
542960	5.65	.7505	2.82	.4502	.3002	3.33
542961	6.36	.8034	2.95	.4698	.3336	3.00
542962	6.05	.7817	2.97	.4727	.3236	3.09
542963	6.16	.7896	2.95	.4698	.3198	3.13
542964	5.70	.7559	2.88	.4594	.2965	3.37
542965	6.40	.8062	4.07	.6096	.1966	5.09
542966	6.20	.7924	3.20	.5051	.2873	3.48
542967	6.00	.7781	2.86	.4564	.3217	3.11
542968	5.75	.7597	3.12	.4941	.2656	3.76
542969	5.76	.7604	2.77	.4425	.3179	3.14
542970	5.96	.7752	4.25	.6284	.1468	6.81
542971	6.77	.8306	4.94	.6937	.1369	7.30
542972	6.77	.8306	4.29	.6324	.1981	5.04
542973	6.00	.7781	3.77	.5763	.2081	4.96

MMI Sample #	pH	a) Log of pH	Acid pH	b) Log Ac. pH	a-b	1/a-b *
542974	5.62	.7497	3.04	.4829	.2668	3.75
542975	5.81	.7642	2.92	.4654	.2988	3.35
542976	6.10	.7853	2.72	.4346	.3507	2.85
542977	5.56	.7451	2.71	.3121	.3121	3.20
542978	6.56	.8169	3.81	.5809	.2360	4.24
542979	6.04	.7810	3.55	.5502	.2308	4.33
542980	6.23	.7945	3.05	.4843	.3102	3.22
542981	6.14	.7882	2.80	.4471	.3410	2.93
542982	5.88	.7694	2.77	.4425	.3269	3.06
542983	5.15	.7118	2.73	.4362	.2756	3.63
542984	5.33	.7267	2.70	.4314	.2953	3.39
542985	6.32	.8007	3.50	.5441	.2566	3.90

- 1/a-b has been termed the "inverse difference" that produce "positive peaks" which when plotted produce an "eye pleasing" that may produce anomalies whicht are called the Inverse Difference Hydrogen (IDH) anomalies (see References, B.W. Smee, 2009).

Table 3(CLPpHTVA11233226) – SOUTH GRID

MMI Sample #	pH	a) Log of pH	Acid pH	b) Log Ac. pH	a-b	1/a-b*
542987	7.62	.8820	3.27	.5145	.3675	2.72
542988	6.52	.8142	2.73	.4362	.3780	2.64
542989	6.56	.8169	3.15	.4983	.3186	3.14
542990	6.73	.8280	2.99	.4757	.3523	2.84
542991	6.20	.7924	2.84	.4533	.3391	2.95
542992	6.29	.7986	2.60	.4150	.3836	2.61
542993	6.38	.8048	3.01	.4786	.3262	3.06
542994	6.75	.8293	3.14	.4969	.3324	3.01
542995	6.45	.8096	3.37	.5276	.2820	3.54
542996	5.93	.7730	2.82	.4502	.3228	3.10
542997	6.30	.7993	3.81	.5810	.2183	4.58
542998	6.14	.7882	3.17	.5010	.2872	3.48
542999	6.61	.8202	3.02	.4800	.3402	2.94
543000	6.45	.8096	2.96	.4713	.3383	2.96
601901	6.12	.7868	3.34	.5240	.2628	3.80
601902	6.38	.8048	3.02	.4800	.3248	3.08
601903	8.70	.9395	6.02	.7796	.1600	6.25
601904	6.12	.7868	3.31	.5199	.2669	3.75
601905	6.29	.7986	3.02	.4800	.3186	3.14
601906	6.75	.8293	3.22	.5078	.3215	3.11