

**BC Geological Survey  
Assessment Report  
34132**

**ASSESSMENT REPORT**

**MATE PROPERTY**  
(501566, 501632, 518781)

**Soil Sampling July 2012**

N.T.S. 94C/4, Geographic Centre:

Latitude: 56°13' N Longitude: 125°37'12"W

**OMINECA MINING DIVISION**  
British Columbia

Owner/Operator: Commander Resources Ltd.

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Vancouver, B.C.

Date: December 1, 2012

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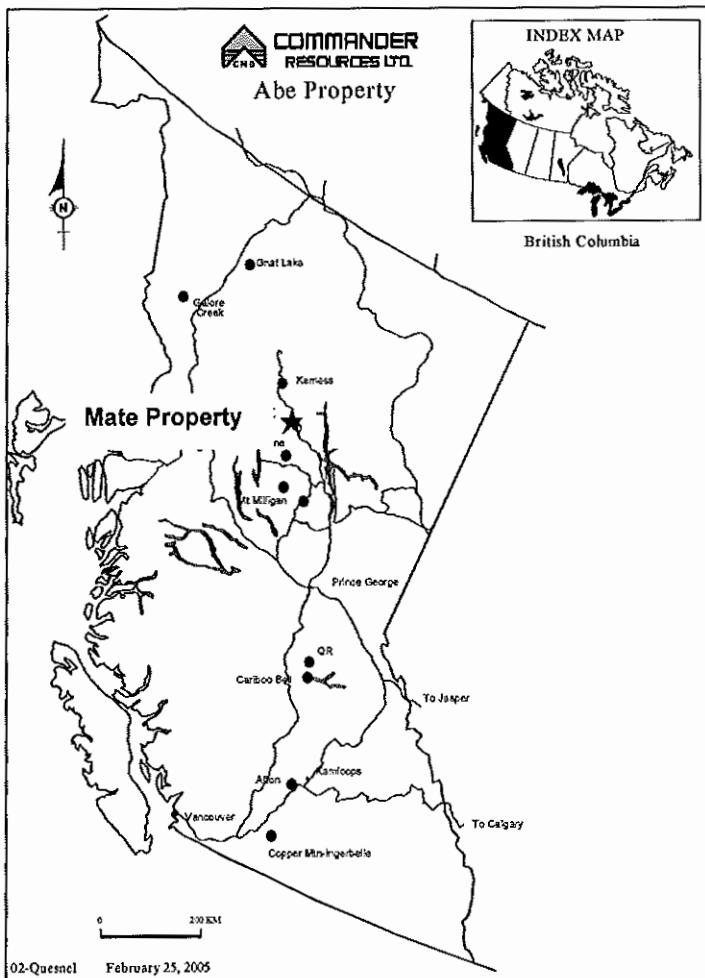
see attached PDF

## 1.0 INTRODUCTION

### Location and Access:

Northeast of the Osilinka River and centred on latitude  $56^{\circ}11'30''$  N and longitude  $125^{\circ}31'$  W, the Mate property is 220 km northwest of Fort St. James, B.C. on N.T.S. map sheet 94/C4E.. Access for the 2012 work was via helicopter based out of Fort St. James. Flight time was 2 hours to the property. The Omenica Resource Access Road from Fort St. James is less than 18 km northeast of Mate with logging roads along Tutizika Creek extending access to within 10 km of the north property boundary. Airstrips are present at Johanson Lake 28 km to the north and the Osiliinka logging camp 52 km to the south. Helicopter staging areas are also available along existing roads and at Aiken Lake. General property location is shown on Figure 2 below.

The property straddles a steep-sided northeast-southwest trending ridge bounded by Matetlo Creek to the northwest and an unnamed creek to the southeast. Slopes are moderate to steep rising from bout 1600 to 2200 metres asl.



**Figure 1:** Location Map

## Property Description:

The Mate property comprises 3 contiguous claims with of 1007.706 hectares. Claim details for the property are tabulated below and shown on Figure 2.

Claim	Claim Number	SIZE-ha	Anniversary Date	Expiry date
MATE 1	501566	431.859	12-Jan-05	12-Feb-08
MATE 2	501634	432.167	12-Jan-05	12-Feb-08
MAT 3	518781	143.991	06-Aug-05	12-Feb-08
Total		1007.706		

Table I: Claim Details

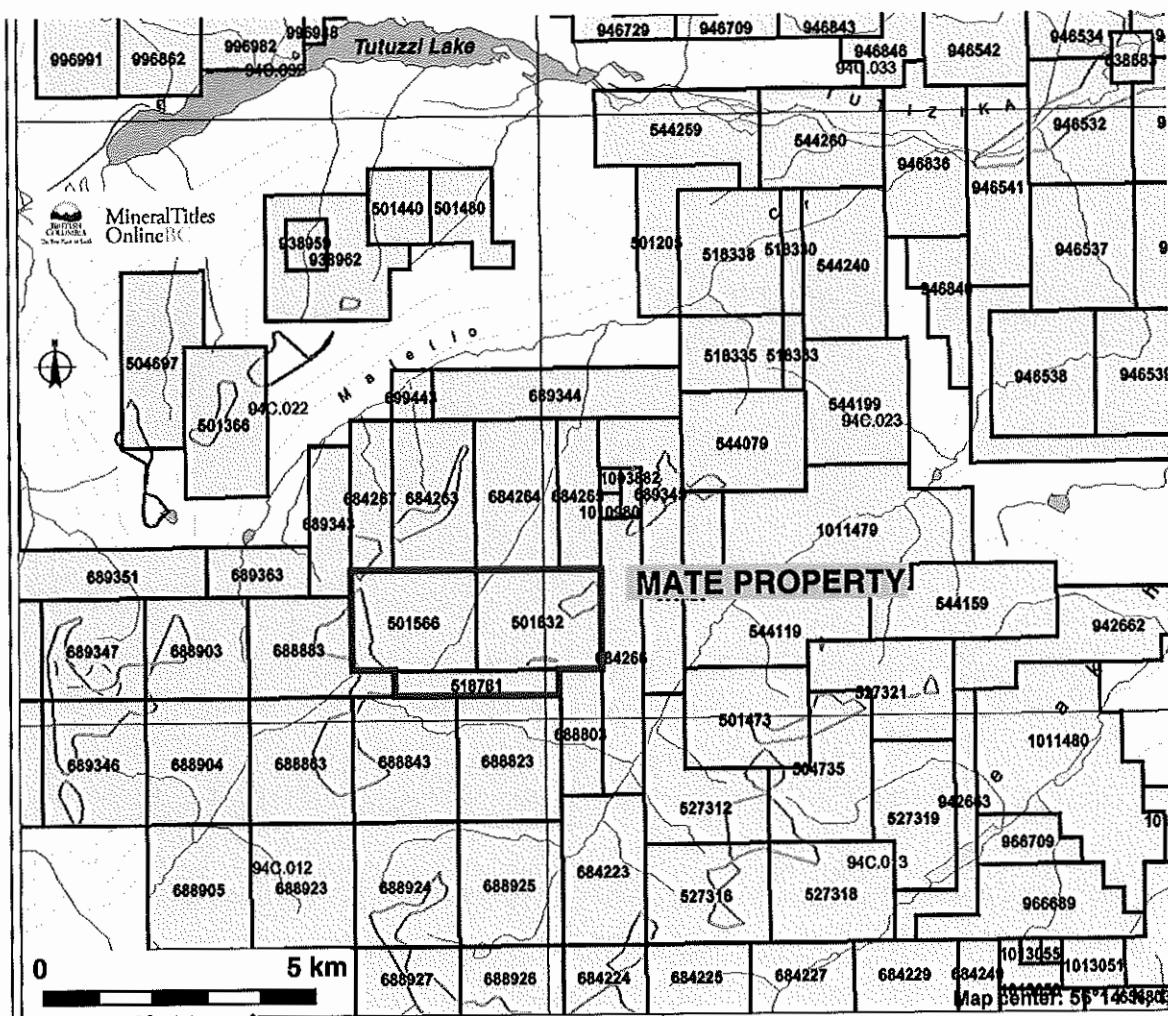


Figure 2 Claim Map

## **Summary of History and Previous Results:**

Placer gold was first discovered in the district in 1868. During the 1930's, Consolidated Mining and Smelting Ltd. explored the margins of the Hogem Batholith and conducted underground exploration on several properties for gold, silver, lead and mercury. Kennco Explorations Ltd. explored and staked portions of the Hogem Batholith near Duckling Creek in the 1940's. In the early 1970's, mineralization on the Lorraine property discovered by Kennco and subsequently held by Granby Mining Company, represented the only significant mineralization found to that date. At the time it was estimated to contain a maximum of 10 million tons grading 0.70%Cu.

In the late 1960's and early 1970's Union Miniere Exploration and Mining Corp. Ltd. (UMEX) of Montreal conducted extensive regional exploration in north-central British Columbia. Work was carried out by Dolmage Campbell & Associates Ltd. and in the vicinity of the current Tut South property included aeromagnetic surveying and silt sampling. This work located two small but well-defined magnetic anomalies over Takla Gp. volcanics on the west side of the current Tut South property and anomalous copper in silts from streams draining the area. Follow-up ground several copper occurrences within the volcanics adjacent to the contact with intrusive rocks of the Hogem Batholith. Samples were not analyzed for gold.

Commander Resources (formerly Major General Resources Ltd.) acquired the extensive UMEX database when UMEX closed its Canadian operations. With the discovery of the Mt. Milligan deposit and favorable metal prices, interest in copper-gold porphyry deposits resurged in the late 1980's. In 1991, the company utilized this data to select specific porphyry targets within the Hogem Batholith. A number of properties were staked including the original Tut claims.

During the 1991 and 1992 field seasons, the property was explored under an option agreement with Swannell Minerals Corporation. Reliance Geological Services Inc. was contracted to complete prospecting, silt sampling and geological mapping followed by soil gridding over the previously identified soil anomaly. Takla volcanics intruded by a monzonite stock in the central portion of the property and by the Hogem Batholith in the south. Narrow granite-dioritic dykes cut Takla volcanics proximal to the monzonite stock. Mineralization was found as disseminated magnetite and pyrite in monzonite and volcanics; fracture-controlled malachite, azurite with or without minor chalcopyrite, and, magnetite and pyrite in monzonite; magnetite veins up to 15 cm wide with rare chalcopyrite and quartz veins with azurite, malachite, chalcopyrite and rare bornite. While extensive propylitic or potassic alteration was not found, two areas of significant copper mineralization were identified. Of particular note was malachite-azurite in quartz monzonite traced in talus for 200 metres along the base of slope.

Lithogeochemical response from this work includes 7 samples of greater than 1000 ppm Cu with a maximum 3.08% Cu accompanied by 0.039 oz/ton Au. Gold response was generally less than 15 ppb with the exception of one other sample 175 ppb Au accompanied by 2135 ppm Cu and two with 107 and 500 ppb Au with Cu of <65 ppm. A total of 228 soil samples collected. Copper ranged from 14 to 468 ppm. Gold ranged 1 to 152 ppb. Material sampled was primarily talus fines and stream sediment.

Additional work including detailed mapping and sampling was recommended on Mate 1,3 and 4. Interest in porphyry targets waned and shortly thereafter a major decline occurred in the provincial mineral sector leading to the inability to raise exploration funds to pursue the targets. The property was allowed to lapse.

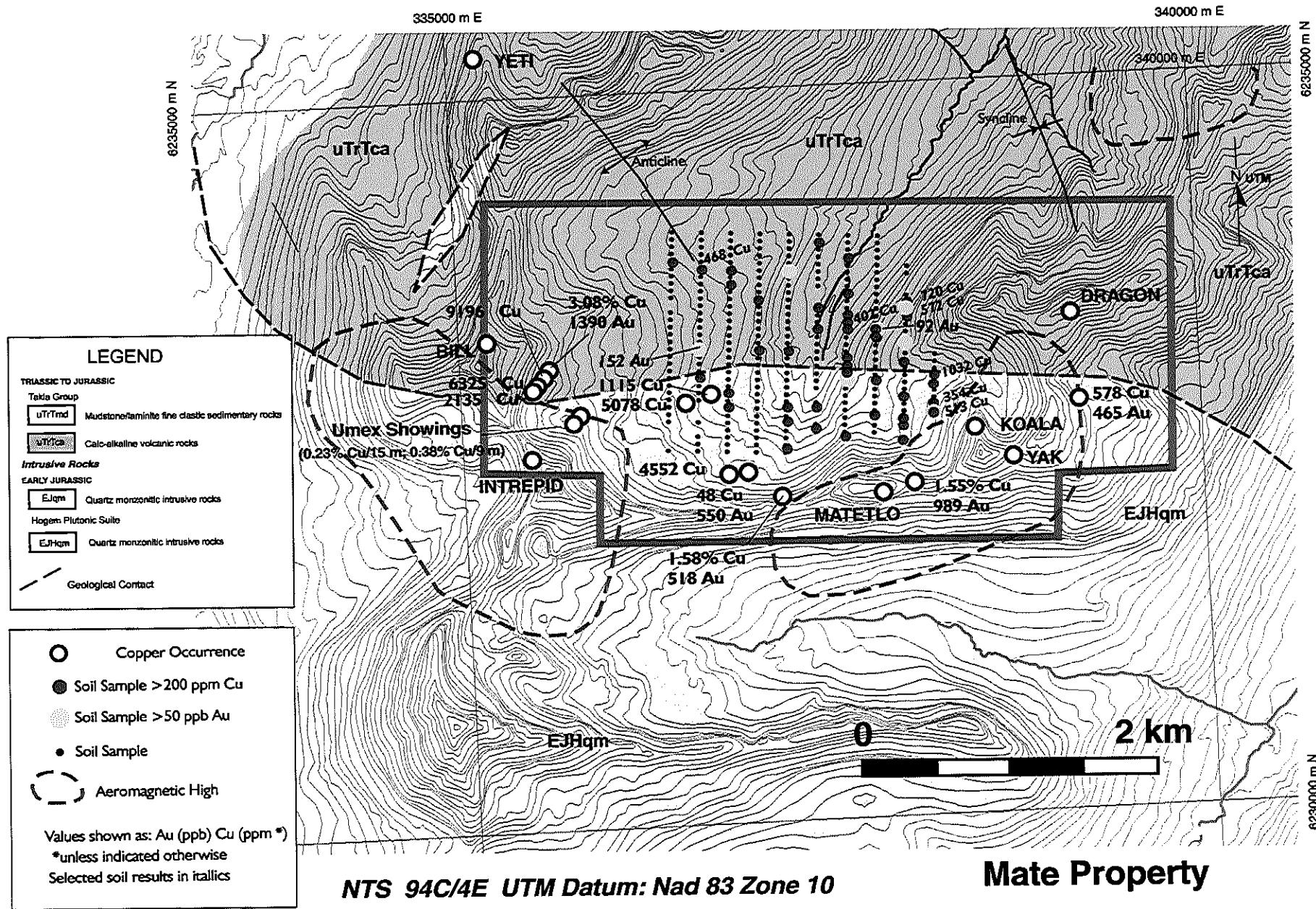
In 2005, renewed interest in porphyry copper-molybdenum occurrences inspired by increased metal prices prompted Commander Resources to review the in-house data and former projects for the entire area. The Mate property and five other areas were acquired by the newly implemented online staking method. A brief work program comprising grid soil sampling and limited prospecting was completed in August. The best values in soils were 720 and 1032 ppm Cu were from east end of the grid. Gold response in soils is erratic. Maximum Au values were 95 and 152 ppb Au with seven samples returning greater than 55 ppb Au. The two rock samples collected represent similar styles and grade of mineralization as in previous work, confirming the presence of significant Cu-Au porphyry mineralization on the property (Kahlert 2005).

#### **Regional Geology: (see Figure 4)**

The Mate property is located is on the eastern flank of the northern end of the Hogem Batholith within the Quesnel Terrane. The batholith comprises a complex body of granitoid rocks emplaced mainly into Takla Gp. Alkalic volcanics and sediments. The Quesnel Terrane forms a northwest-trending, linear belt 1600 kilometres long that includes equivalent rocks of the Upper Triassic-Lower Jurassic Takla, Nicola and Stuhini Gps.

Numerous porphyry copper-gold deposits occurrences have been documented through the entire belt. The mining of copper-gold porphyry open pit deposits at Kemess Mine 120 kilometres northwest of Mate has been completed. During its mine-life, the Kemess South mine produced close to 3 million ounces of gold and over 300 million pounds of copper. (AuRico Gold website, Nov. 16, 2012). Existing infrastructure and mill facilities are currently on care and maintenance while Aurico Gold evaluates potential extraction of ore from an underground operation 5.5 km north of the former Kemess South mine. Thompson Creek Metals Company is presently developing the Mt. Milligan copper gold porphyry deposit, 160 kilometers southeast of Tut South

Recent mapping by Ferri et al (2001) shows the current property to be underlain primarily by Plughat Mountain Succession (unit I>p3) of the Late Triassic Takla Gp and comprising augite +/- plagioclase phryic basic to intermediate tuffs-agglomerates with lesser flows and sedimentary equivalents. Early to Middle Jurassic undivided monzonite, monzodiorite, quartz monzonite and syenite of the Thane Pluton (unit JT) lies in east-west contact with the volcanics. Several smaller plugs and dyke-like bodies have been identified on the ridges. An anticline and syncline have been mapped in the volcanics and have northwest-southeast axial traces similar to the structural fabric of the region. Eight Cu occurrences (Tough, Dragon, Koala, Yak, Matelo, Intrepid, Bill, Yeti) and one Ag-Au-Cu-Pb\_Zn (Mat1) occurrence are identified within the immediate area.



**Figure 3:** Summary Map

## **Property Geology**

The property is underlain by rocks of the Hogem Batholith and Takla Gp volcanics. A small monzonite stock has been mapped within undifferentiated intrusive rocks. Upper Triassic to Lower Jurassic Takla Gp. comprising andesite augite porphyry and tuff occur in the northern half of the property. The monzonite has been described as equigranular with 30 to 50% hornblende and having minor quartz suggesting composition varies to the quartz diorite range. Intrusive dykes of compositions ranging from granite to syenite and up to 10 metres wide occur within Takla Gp. rocks proximal to the contact with the monzonite stock. Intrusives show a 60 m wide chill zone of fine grained monzonite.

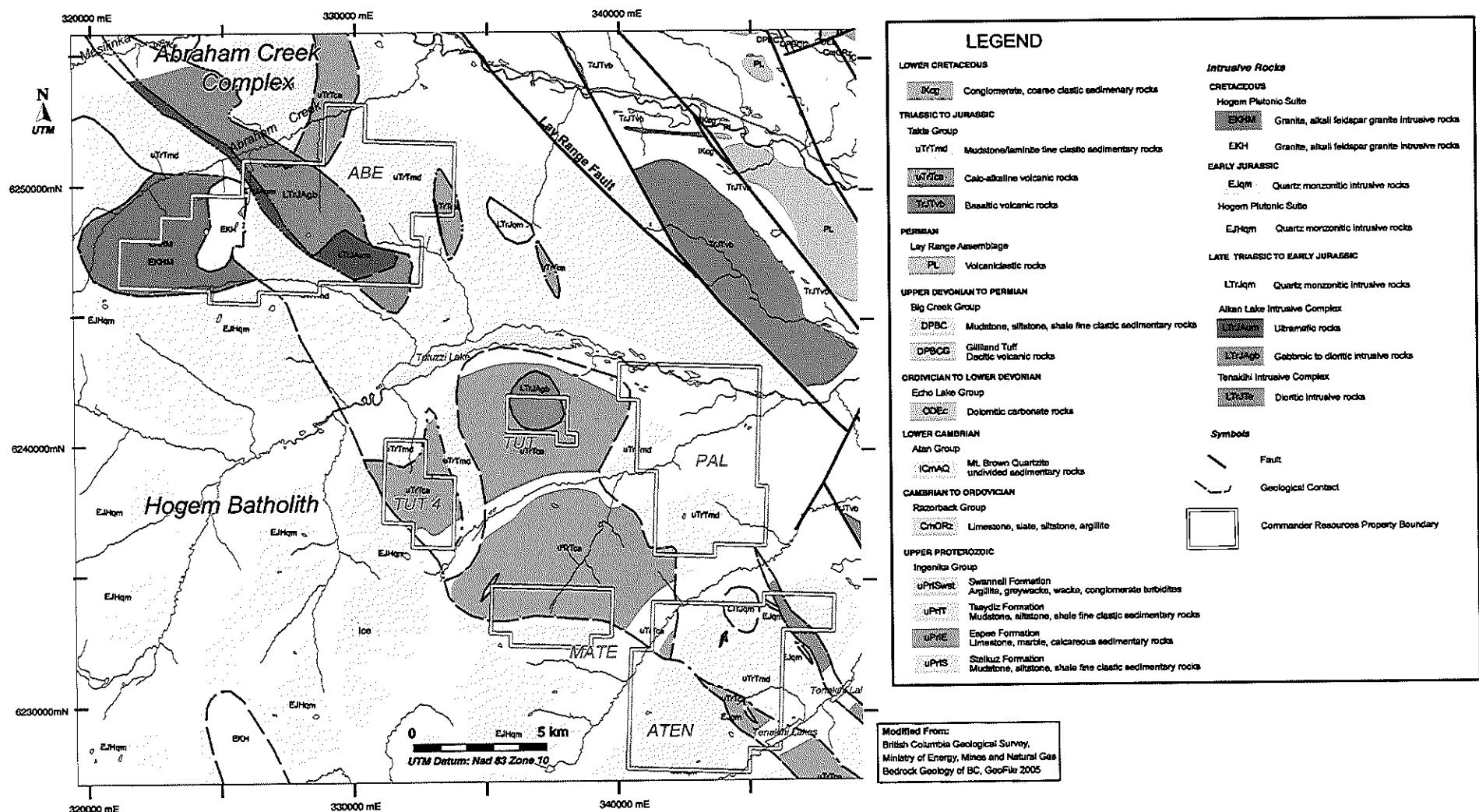
Within the volcanics pervasive, weak propylitic alteration is present. Degree of alteration increases in proximity to intrusive contacts as evidenced by epidote fracture-surfaces, clots and veinlets locally accompanied by potassium feldspar – quartz veins. Intrusive rocks exhibit weak propylitic alteration as epidote fracture-fillings.

Northeast-trending fractures, shears and dykes characterizing the volcanics. Within intrusive rocks of the central portion of the claims, the dominant shears and dykes trend south-southeasterly.

Reports by Leriche et al (1993) and Leriche, & Luckman (1991) provide detailed descriptions of property geology, alteration and mineralization.

## **Economic Assessment**

Mate is one of 6 properties covered by the Commander Resources Omineca Cu-Au Porphyry Project. In 2007, the entire Omineca property portfolio was optioned to Geoinformatics Exploration Canada Ltd. (Geoinformatics). Their extensive groundwork in the immediate area confirmed the excellent Cu-Au porphyry potential of this region. Previous work on the property has identified anomalous Cu and Au in soils and rock associated with porphyry style deposits.



**Figure 4:** Regional Geology

## **2.0 2012 WORK PROGRAM**

As a precursor to an extensive project-wide exploration campaign anticipated for the Omineca Project in 2013-2014, Commander Resources Ltd. (Commander) conducted a brief field program on all 6 properties in July 2012. Work on Mate included in-fill sampling of previous geochemistry work, and rock and silt sampling as conditions allowed. Two individuals spent 1 man-day on the Mate property. Details specific to each claim are presented in Table II below. The primary goal of this work was to ascertain current conditions and put historic results in perspective for planning an effective exploration strategy for future detailed surveying. Figure 3 shows results of previous work on the property and the area examined in 2012.

A total of 10 soil samples, 3 silt samples, and 5 rock samples were collected from Mate over a span over 1 day. Samples were shipped to ALS Minerals in North Vancouver where they were analyzed with Au by Fire Geochemical methods on a 30 gram sample and 51 other elements by ICP. Analytical methodology is in Appendix II. Sample locations and results for Cu and Au analyses are shown on Figure 5.

Work Type	Claim		
	Mate 1 (501566)	Mate 2 (50163)4	Mate (518781)
Prospecting (area)			
Mapping (scale)			
Soil Samples		10	
Rock Samples		5	
Stream Samples		3	

**Table II: 2012 Work Area, Type and Scale**

Software used to present and compile field data and information includes MapInfo 9.0 with Discover 10.1, Adobe Photoshop CS2, Adobe Illustrator CS2, Adobe Acrobat Pro 7.0 and Windows Office Professional Word and Excel.

## **Sampling and Assay Analysis**

The procedure for collecting soil samples were as follows: Augurs were used to collect samples at every 50m along an E-W and N-S grid, with a line spacing of 200m. All GPS readings were collected in NAD 83 format. The targeted soil horizon was B horizon. At every 20<sup>th</sup> sample station a duplicate sample was collected as part of the QC protocol. The samples were collected in kraft bags and placed in plastic bags. These were then placed in rice bags and secured with zap straps. The strap was encased in duct tape to prevent it sliding off and would also demonstrate any tampering activity during transportation.

- For soils and silts, the sample is dried, and sieved through -180 micron (80 mesh), and split. An aliquot of 25g was partially digested through aqua regia solution and tested for gold, followed by an ICP-MS 41 (0.5 g aliquot), 51 element analysis (ST43L-PKG)
- For rocks, the sample is crushed to 70% passing 2mm, then 250g is split off and pulverized to 85% passing 75 micron (200 mesh). A 30 g nominal sample is analyzed for gold and PGE'S with a fire assay technique (PGM-MS23). If > 1 ppm Au is recorded, the technique is upgraded to an atomic absorption finish. A total 4 acid digestion is then used to prepare the sample for an ICP-AES 33 element package (ME-ICP61).

## **3.0 RESULTS OF THE 2012 PROGRAM**

Appendix I and II contain the sample locations, descriptions and assay results. Figure 5 (attached) displays the area's historic work overlaid by the 2012 work results. Anomalous results in this report are defined as: >20ppb Au, and >100ppm Cu. The following commentary highlights the findings:

- 2 Au soil anomalies with up to 95.5 ppb (Q023296)
- 8 Cu soil anomalies with up to 1215ppm (Q023296)
- 1 rock sample returning 2490 ppm Cu (Q023504)
- 2 silt samples returning 600 ppm Cu (Q023301) and 417 ppm Cu (Q023302)

## **4.0 DISCUSSION AND CONCLUSION**

The 2012 field program helped to re-acquaint the company with the historical activities on the claims, as well as advance the scientific knowledge base. It can be determined from past historical data that the area has a potential for porphyry-style copper-gold mineralization, similar to the Mt.Milligan/Southern Star and North/South Kemess deposits. A number of moderately anomalous copper values were returned from the base of slope sampling in the 2005 program. These anomalous values were situated on the east and west sides of the north draining creek, indicating up-slope source on each side. Minor anomalous gold accompanies the copper values.

Results of the 2012 work as well as previously known copper showings and soil anomalies will form the basis of a more comprehensive prospecting and sampling program in the 2013-2014 season.

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**Appendix I - Soil Sampling Stations and Descriptions**

Date	UTM Easting	Northing	Sample ID	Sampler	Horizon	Subtype	Colour	Depth	Comments
13-Aug-12	338350	6233000	Q023083	JM	B	soil	dark brown	30	near creek
13-Aug-12	338304	6233000	Q023084	JM	B	soil	dark brown	30	near creek
13-Aug-12	338254	6233010	Q023085	JM	B	soil	light brown	30	near creek
13-Aug-12	338258	6233050	Q023086	JM	B	soil	light brown	30	
13-Aug-12	338259	6233101	Q023087	JM	B	soil	light brown	30	
12-Aug-12	338198	6233194	Q023296	JH	b	soil	brown	20	
13-Aug-12	338250	6233203	Q023297	JH	b	soil	brown	25	
13-Aug-12	338295	6233194	Q023298	JH	b	soil	brown	20	
13-Aug-12	338303	6232959	Q023299	JH	b	soil	brown	30	
13-Aug-12	338243	6232969	Q023300	JH	b	soil	brown	30	
13-Aug-12	338260	6232964	Q023088	JM		silt			stream sample
13-Aug-12	338309	6232961	Q023301	JH		silt			stream sample
13-Aug-12	338244	6232946	Q023302	JH		silt			stream sample
13-Aug-12	338593	6233447	Q023502	JM		rock			JRM20/Potassic Feldspar found in syenite
13-Aug-12	338470	6233393	Q023503	JM		rock			JRM21/Potassic Feldspar, mafic intrusive
13-Aug-12	338437	6233242	Q023504	JM		rock			JRM22/Malachite stained Kspar
13-Aug-12	338353	6233206	Q023505	JM		rock			JRM23/ Potassic Feldspar w/ quartz veining
13-Aug-12	338313	6233114	Q023506	JM		rock			JRM24/Extrusive volcanic hornblende

## **Appendix II: MATE Soil, Silt, and Rock Geochemistry**

Lab Sample ID	Cert#	UTM NE/SW/Easting	UTM NE/SW/Northing	Subtype	Au_ppm	Ag_ppm	A_s%	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
0023085	VAT2159476	335590	0232964	all	0.0276	0.365	7.06	11.6	<10	196	0.84	1.09	1.20	0.3	24.3	32.9	80.9	5.95	635	5.04	9.63
0023081	VAT2159707	335593	0232961	all	0.0239	0.51	2.96	11.6	<10	195.5	0.94	1.06	1.05	0.30	26.2	40.4	60.2	5.36	693	5.44	10.35
0023082	VAT2159708	335592	0232945	all	0.0249	0.397	2.14	10.55	<10	195	1.11	1.19	1.14	0.33	29.8	32	55.5	5.9	600	5.38	10.35
0023083	VAT2159709	335594	0232963	all	0.0112	0.205	7.42	<10	195	0.75	1.31	0.84	0.1	19.85	26.7	67.8	3.63	394	5.05	9.17	
0023084	VAT2159710	335595	0232964	soil	0.0082	0.113	3.09	<10	195	0.75	0.92	0.84	0.1	14.85	20.1	92.3	4.05	443	4.98	9.76	
0023085	VAT2159711	335596	0232910	soil	0.0165	0.117	2.41	<10	195	1.25	0.9	0.83	0.2	0.74	30.6	109.5	203	5.00	520	5.22	11
0023086	VAT2159712	335597	0232950	soil	0.0264	0.238	2.24	15.95	<10	195	0.98	0.28	0.78	0.2	20.7	37.6	84.5	2.73	733	5.14	10.55
0023087	VAT2159730	3356258	0232101	soil	0.0171	0.167	2.17	6.95	<10	101	0.44	1.03	0.76	0.09	13.05	15.6	60.2	3.77	195	3.91	5.57
0023296	VAT2159834	3381196	0233194	soil	0.0268	0.254	2.03	5.08	<10	130	0.54	0.22	0.76	0.15	9.74	40.2	31.7	3.44	1215	6.84	6.17
0023297	VAT2159835	3382750	0233203	soil	0.0149	0.128	2.6	2.89	<10	145	0.3	0.36	0.42	0.13	7.22	24.3	38.5	7.6	238	5.03	8.31
0023298	VAT2159836	3382793	0233194	soil	0.0095	0.152	2.33	4	<10	319	0.38	0.53	0.62	0.16	6.64	36.9	55.7	3.19	438	5.14	8.79
0023299	VAT2159837	338303	0232050	soil	0.0069	0.226	2.01	12.45	<10	195.5	0.93	1.46	1.01	0.14	28.9	22.9	68.1	6.53	509	4.93	10.35
0023300	VAT2159838	3383043	0232069	soil	0.0057	0.07	2.25	3.21	<10	116.5	0.51	0.43	0.55	0.09	23.9	10.6	13.7	3.01	108.5	3.73	8.24

Lab Sample ID	Cent#	UTM NE30010 Easting	UTM NE30010 Northing	Subtype	S. %	Si_ppm	Si_ppm	Si_ppm	Si_ppm	Si_ppm	Ti_ppm	Ti_ppm	Ti_ppm	Ti_ppm	Ti_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
Q023011		VA121946270	3342090	sil	0.08	0.581	6.4	1.6	0.5	100	<0.01	0.04	1.4	0.048	0.07	25	122	0.57	18.6	85.1	0.5
Q023012		VA121946270	3342091	sil	0.04	0.741	10.7	1.3	0.8	104.5	<0.01	0.04	1.0	0.050	0.06	24.2	126	0.5	16.65	90.9	0.5
Q023013		VA121946270	3342092	sil	0.04	0.741	9.1	1.3	0.8	97.2	<0.01	0.04	1.6	0.048	0.06	27.7	126	0.55	21.3	89.8	0.6
Q023014		VA121946270	3342093	sil	0.04	0.691	7.0	1.1	0.7	94.5	<0.01	0.04	1.0	0.048	0.06	11.5	126	0.48	12.9	84.8	0.5
Q023015		VA121946270	3342094	sil	0.04	0.691	6.2	1.1	0.6	88.8	<0.01	0.04	0.8	0.055	0.07	10.5	126	0.55	12.2	79.8	0.5
Q023016		VA121946270	3342095	sil	0.07	0.723	1.5	0.5	1.5	127.5	<0.01	0.06	0.7	0.056	0.09	7.11	126	1.03	13.6	85.3	0.7
Q023017		VA121946270	3342096	sil	0.07	0.441	4.6	1.4	0.2	44.5	<0.01	0.04	2.5	0.023	0.03	12.05	125	1.45	14.7	92.3	0.6
Q023018		VA121946270	3342097	sil	0.07	0.473	3.8	1.1	0.6	51.7	<0.01	0.08	0.6	0.033	0.03	1.9	126	0.92	6.42	58.1	0.5
Q023019		VA121946270	3342098	sil	0.02	0.748	22.4	0.6	0.5	250	<0.01	0.04	0.8	0.172	0.04	0.44	105	0.31	10.25	82.4	0.5
Q023020		VA121946270	3342099	sil	0.03	0.181	4.1	0.6	0.4	144	<0.01	0.05	0.5	0.177	0.04	0.35	186	0.53	3.25	69.7	0.5
Q023021		VA121946270	3342100	sil	0.03	0.184	5.7	0.5	0.3	350	<0.01	0.15	0.3	0.168	0.03	0.20	185	0.33	3.61	53.9	<0.5
Q023022		VA121946270	33420950	sil	0.07	0.607	7.7	1.9	0.6	88.7	<0.01	0.04	2	0.030	0.05	18.65	116	0.7	24.4	79.2	1
Q023023		VA121946270	33420960	sil	0.03	0.226	2.6	0.5	0.6	43.4	<0.01	0.02	0.8	0.038	0.04	2.10	87	0.39	7.17	46.7	<0.5

Lithostrat ID	Group	UTM NAD83 2.5m Raster	UTM NAD83 0.001m	Type	Age, ppm	Ag %	Ag ppm	Ba ppm	Ba ppm	Ba ppm	Ca %	Ca ppm	Ca ppm	Cu ppm	F %	Ge ppm	K %	La ppm	Mn %	Mg %	Mn ppm
Q023602	VAT21136337	3338203	ED333447	rock	<0.1	7.30	45	1200	1.4	2.43	55	41	3.15	2.57	10	1.71	731				
Q023603	VAT21136337	3338204	ED333448	rock	<0.5	7.31	6	1270	0.5	2.47	71	114	46	5.17	10	2.46	1070				
Q023604	VAT21136337	3338205	ED333442	rock	<0.5	6.67	6	950	<0.5	6.31	36	194	2490	7.87	20	1.73	410	5.79	1755		
Q023605	VAT21136337	3338206	ED333208	rock	<0.5	6.67	6	930	0.5	4.78	11	19	296	4.3	10	3.57	410	1.35	1005		
Q023606	VAT21136337	3338207	ED331114	rock	<0.5	6.62	9	950	0.5	0.55	40.5	23	143	35	5.96	10	2.24	10	3.17	1480	

Lab Sample ID	Cont.	UTM NAD83@20 Baseline	UTM NAD83@10 Northing	Type	Mn ppm	Ni ppm	Pb ppm	Bi ppm	Sr ppm	Th ppm	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Zn ppm	Cu-OOH2 %
Q023502	VAT2103437	3385081	6233047	rock	<1	7.02	11	880	16	0.01	<0.23	<10	<10	<10	<10	56	
Q023503	VAT2103437	3384701	6233003	rock	<1	1.99	28	780	<1	<0.01	6	22	384	<10	0.32	34	
Q023504	VAT2103437	3384637	6233042	rock	<1	1.73	73	1050	<1	<0.01	7	37	395	<10	0.41	10	
Q023505	VAT2103437	3385053	6233108	rock	<1	2.85	7	820	4	0.06	15	13	372	<10	0.21	61	
Q023506	VAT2103437	3385113	6233118	rock	<1	2.85	30	850	<1	<0.01	3	26	291	<10	10	191	

Lab Sample ID	Cont.	UTM NAD83@20 Baseline	UTM NAD83@10 Northing	Type	Au PGM-M4323 ppm	Pt PGM-M4323 ppm	Pd PGM-M4323 ppm
Q023502	VAT2103437	3385081	6233047	rock	0.001	<0.001	<0.001
Q023503	VAT2103437	3384701	6233003	rock	0.014	0.0009	0.003
Q023504	VAT2103437	3384637	6233042	rock	0.009	0.0071	0.005
Q023505	VAT2103437	3385053	6233108	rock	0.017	0.0017	0.007
Q023506	VAT2103437	3385113	6233118	rock	0.014	0.0014	0.006



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## CERTIFICATE VA12193437

Project: OMINECA

P.O. No.:

This report is for 10 Rock samples submitted to our lab in Vancouver, BC, Canada on 20-AUG-2012.

The following have access to data associated with this certificate:

JOSH MCKENZIE

STEVE POTTS

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarcode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

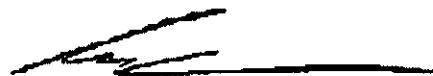
### ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
PGM- MS23	Pt, Pd, Au 30g FA ICP- MS	ICP- MS
ME- ICP61	33 element four acid ICP- AES	ICP- AES
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES

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Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Project: OMINECA

CERTIFICATE OF ANALYSIS VA12193437

Sample Description	Method	WE-21	ME-ICP61													
	Analyte	Reccvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm
LOR	0.02	0.5	0.01	5	10	0.5	Z	0.01	0.5	T	1	1	0.01	10	0.01	2

Q023502	0.62	<0.5	7.39	<5	1300	1.4	<2	2.43	<0.5	8	53	41	3.15	20	2.57
Q023503	0.54	<0.5	7.31	8	1020	0.5	<2	5.09	<0.5	21	114	46	5.17	10	4.20
Q023504	0.22	<0.5	6.67	6	990	<0.5	<2	6.31	<0.5	38	194	2490	7.87	20	1.73
Q023505	0.98	<0.5	6.97	<5	930	0.5	<2	4.79	<0.5	11	19	256	4.30	10	3.52
Q023506	0.34	<0.5	6.62	9	600	0.5	<2	6.55	<0.5	28	143	55	5.66	10	2.24

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CERTIFICATE OF ANALYSIS VA12193437

Sample Description	Method	ME-ICP61														
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Tl	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10

Q023502	10	1.21	731	<1	2.52	11	980	16	0.01	<5	10	733	<20	0.23	<10
Q023503	<10	2.46	1070	<1	1.99	28	780	<2	<0.01	6	22	384	<20	0.32	<10
Q023504	<10	5.79	1755	<1	1.73	73	1050	<2	<0.01	7	37	395	<20	0.41	<10
Q023505	<10	1.33	1005	<1	1.85	7	620	4	0.06	<5	13	372	<20	0.21	<10
Q023506	10	3.17	1490	<1	2.14	30	820	<2	<0.01	<5	28	291	<20	0.37	<10

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**CERTIFICATE OF ANALYSIS VA12193437**

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cl+OG62	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Cu	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.001	0.0005	0.001

Q023502	<10	80	<10	58	0.001	<0.0005	<0.001		
Q023503	<10	188	<10	34	0.014	0.0039	0.003		
Q023504	<10	282	<10	92	0.006	0.0071	0.005		
Q023505	<10	146	<10	61	0.017	0.0017	0.007		
Q023506	10	191	<10	62	0.004	0.0041	0.003		

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## CERTIFICATE VA12194878

Project: Omineca

P.O. No.:

This report is for 8 Silt samples submitted to our lab in Vancouver, BC, Canada on 20-AUG-2012.

The following have access to data associated with this certificate:

JOSH MCKENZIE

STEVE POTTS

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
EXTRA- 01	Extra Sample received in Shipment
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

### ANALYTICAL PROCEDURES

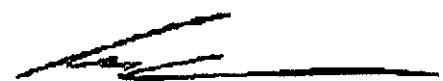
ALS CODE	DESCRIPTION
ME- MS41L	S1 anal. aqua regia ICPMS

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Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Project: Omineca

**CERTIFICATE OF ANALYSIS VA12194878**

Sample Description	Method	WE-21	ME-MS41L	Cr	Cs												
	Analyte	Recd Wt	Au	Ag	Al	As	B	Ba	Be	Si	Ca	Cd	Ce	Co	Cr	ppm	ppm
	Units	kg	ppm	ppm	%	ppm	ppm	ppm									
	LOR	0.02	0.0002	0.002	0.01	0.02	10	0.5	0.05	0.01	0.01	0.01	0.02	0.1	0.5	0.05	0.05
Q023088		0.42	0.0228	0.365	2.88	11.80	<10	196.0	0.84	1.09	1.26	0.30	24.3	32.8	60.9	5.98	
Q023301		0.86	0.0235	0.510	2.96	11.80	<10	185.5	0.94	1.08	1.05	0.39	28.2	40.4	60.2	5.36	
Q023302		0.82	0.0134	0.397	2.94	10.35	<10	190.0	1.11	1.19	1.14	0.33	28.6	32.0	55.5	5.90	



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CERTIFICATE OF ANALYSIS VA12194878

Sample Description	Method	ME-MS41L																
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb		
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	x	ppm	ppm	x	ppm	ppm	x	ppm		
	LOR	0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01	0.05		
Q023088		635	5.04	9.83	<0.05	0.04	0.047	0.038	0.10	18.5	21.9	1.57	1900	4.20	0.02	0.56		

Q023301	693	5.44	10.35	0.06	0.03	0.048	0.040	0.09	15.2	23.6	1.65	2010	4.11	0.01	0.51	
Q023302	600	5.38	10.35	0.07	0.05	0.035	0.043	0.09	20.0	22.5	1.52	1590	5.10	0.01	0.56	



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**CERTIFICATE OF ANALYSIS VA12194878**

Sample Description	Method Analyte	ME-MS41L						
		Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	
Q023088	LOR	0.02	0.05	1	0.01	0.05	0.1	0.5
		0.07	25.0	122	0.52	18.60	85.1	0.5

Q023301	0.06	24.2	128	0.50	18.65	93.9	0.5
Q023302	0.06	27.7	128	0.55	21.3	89.8	0.6



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## CERTIFICATE VA12193436

Project: Omineca

P.O. No.:

This report is for 150 Soil samples submitted to our lab in Vancouver, BC, Canada on 20-AUG-2012.

The following have access to data associated with this certificate:

JOSH MCKENZIE

STEVE POTTS

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Recd w/o BarCode
SCR- 41	Screen to - 180um and save both
EXTRA- 01	Extra Sample received in Shipment

### ANALYTICAL PROCEDURES

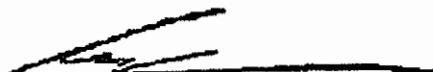
ALS CODE	DESCRIPTION
ME- MS41L	51 anal. aqua regia ICPMS

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

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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## Project: Omineca

CERTIFICATE OF ANALYSIS VA12193436

	Method	WEI-21	ME-MS41L														
Sample Description	Analyte	Reccvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.0002	0.002	0.01	0.02	10	0.5	0.05	0.01	0.01	0.01	0.02	0.1	0.5	0.05	



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**CERTIFICATE OF ANALYSIS VA12193436**

Sample Description	Method	ME-MS41L															
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	
	LOR	0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01	0.05	

Q023083	594	5.05	9.17	<0.05	0.02	0.051	0.037	0.06	11.3	23.1	1.58	1020	3.13	0.02	0.47	
Q023084	445	4.98	9.78	<0.05	<0.02	<0.005	0.034	0.07	6.9	22.6	1.66	808	4.14	0.02	0.56	
Q023085	500	5.21	11.00	<0.05	0.05	0.009	0.039	0.06	6.6	32.6	1.83	1900	9.82	0.02	0.49	
Q023086	196.5	3.64	7.56	<0.05	0.05	0.039	0.018	0.06	13.0	27.9	0.98	764	7.24	0.01	0.43	
Q023087	196.0	3.91	8.57	<0.05	<0.02	0.029	0.029	0.07	7.0	22.1	0.94	472	6.20	0.01	0.57	
Q023088																



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**CERTIFICATE OF ANALYSIS VA12193436**

Sample Description	Method	ME-MS41L						
	Analyte	Tl	V	V	W	Y	Zn	Zr
	Units	ppm						
	LOR	0.02	0.05	1	0.01	0.05	0.1	0.5

Q023083	0.04	9.05	115	0.43	12.90	84.6	<0.5
Q023084	0.02	6.35	138	0.65	8.24	72.8	<0.5
Q023085	0.03	7.11	175	1.03	13.60	83.3	0.8
Q023086	0.03	12.05	125	1.45	14.70	52.3	0.8
Q023087	0.03	1.80	126	0.92	6.42	58.1	<0.5
Q023088							



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## Project: Omineca

**CERTIFICATE OF ANALYSIS VA12193436**

Sample Description	Method	WEI-21	ME-MS41L														
	Analyte	Revd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	
Units	kg	ppm	ppm	%	ppm												
LOR	0.02	0.0002	0.002	0.01	0.02	10	0.5	0.05	0.01	0.01	0.01	0.02	0.1	0.5	0.05		

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**CERTIFICATE OF ANALYSIS VA12193436**

Sample Description	Method	ME-MS41L														
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm
LOR	0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01	0.01	0.05
Q023296	1215	6.64	8.17	0.08	0.02	0.027	0.044	0.13	4.1	19.3	1.72	2120	0.34	0.02	0.12	
Q023297	236	5.03	8.51	0.05	0.02	0.031	0.017	0.10	3.4	21.9	1.10	983	1.36	0.02	0.77	
Q023298	439	5.14	6.79	0.07	<0.02	0.016	0.019	0.19	3.0	19.8	1.40	900	0.71	0.02	0.34	
Q023299	509	4.93	10.35	0.06	0.07	0.034	0.037	0.07	16.4	24.0	1.44	1240	5.26	0.02	0.60	
Q023300	108.5	3.73	8.24	0.05	<0.02	0.025	0.022	0.06	9.8	16.1	0.73	388	7.28	0.01	0.91	
Q023301																
Q023302																

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



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**CERTIFICATE OF ANALYSIS VA12193436**

Sample Description	Method	ME-MS41L															
	Analyte	NI	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Tc	Th	Tl	
Units	ppm	%	ppm	ppm	ppm	%	ppm	%									
LOR	0.1	0.001	0.01	0.1	0.001	0.01	0.005	0.1	0.1	0.2	0.2	0.01	0.01	0.01	0.1	0.001	

Q023296	29.0	0.135	1.98	14.9	<0.001	0.02	0.246	22.4	0.8	0.5	260	<0.01	0.04	0.8	0.172
Q023297	22.5	0.099	3.60	19.3	0.001	0.03	0.161	4.1	0.6	0.4	144.0	<0.01	0.05	0.5	0.177
Q023298	25.2	0.108	2.27	19.0	0.001	0.03	0.184	5.7	0.5	0.3	350	<0.01	0.15	0.3	0.166
Q023299	29.2	0.208	11.65	11.0	<0.001	0.07	0.687	7.7	1.6	0.6	88.7	<0.01	0.04	2.0	0.039
Q023300	8.6	0.102	7.10	9.8	<0.001	0.03	0.226	2.8	0.5	0.6	43.4	<0.01	0.02	0.8	0.039
Q023301															
Q023302															



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: COMMANDER RESOURCES LTD.  
1111 MELVILLE STREET, 11TH FLOOR  
VANCOUVER BC V6C 3A8

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Total # Pages: 5 (A - D)  
Plus Appendix Pages  
Finalized Date: 5- SEP- 2012  
Account: RESCOM

Project: Omineca

CERTIFICATE OF ANALYSIS VA12193436

Sample Description	Method	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Analyte Units LOR	Tl ppm 0.02	U ppm 0.05	V ppm 1	W ppm 0.01	Y ppm 0.05	Zn ppm 0.1	Zr ppm 0.5
Q023296		0.03	0.70	144	0.77	17.00	74.0	<0.5
Q023297		0.04	0.44	195	0.31	10.95	82.4	0.5
Q023298		0.04	0.38	186	0.53	3.25	69.7	0.5
Q023299		0.03	0.28	185	0.33	3.81	53.9	<0.5
Q023300		0.05	18.85	118	0.70	24.4	79.2	1.0
Q023301		0.04	2.16	87	0.39	7.17	46.7	<0.5
Q023302								

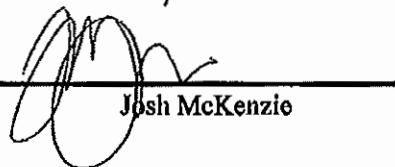
**STATEMENT OF EXPENDITURES (excluding HST)**  
**MATE**

MATE	Details	time	rate	Total
Project Planning & Supervision	S. Potts	1.5	\$610 /day	915.00
Data Compilation and Map prep	L. Grexton		\$ 54 per hour	580.00
Field Personnel	Personnel			
	J. McKenzie (Geological Field Technician)		\$250 per day	250.00
	J. Harris		\$225 per day	225.00
			\$ per day	
Field Supplies	(flagging, sample bags, shipping bags)			71.12
Sample Processing & Analyses	ALS Chemex, North Vancouver			
	rock	5	\$43.67 /sample	218.35
	soil	10	\$ 29.45 /sample	29.45
	silt	3	\$31.62 /sample	94.86
Transportation	Visa Truck Rental & Fuel			242.72
	Interior Helicopters Ltd 3.5 hours @\$1137.00 per hour)		\$ 1137.00/hour	3979.50
	Travel (including Food & Lodging)			122.72
Communication	Glentel Inc. (radio rental), Sat Phone			64.45
Camp Rental	Rugged Edge Holdings Ltd.			78.13
Camp Supplies	(paper plates, garbage bags, tarps)			28.74
Camp Food				71.12
Shipping	Freight & Courier			30.65
Report	L. Grexton (maps & summaries, expenditures)	3	@ \$320/day	960.00
	J. MacKenzie (field notes, data compilation, logistics)			
	S. Potts	1	@ \$610/day	610.00
			Subtotal	8834.69
	Miscellaneous (5%)			441.73
			TOTAL	9278.59

**Statement of Qualifications**

I, Josh McKenzie, with business address at 11<sup>th</sup> floor, 1111 Melville Street, Vancouver, BC V6E 3V6, hereby certify that:

- I am a 3<sup>rd</sup> year Earth Science student at Simon Fraser University
- I was under the supervision of Commander Resources VP of Exploration, Steve Potts, P.Geo.
- I am a Geotechnician working at Commander Resources
- I consent to the use of this report for any Filing Statement, Statement of Material Facts, or Support Document



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Josh McKenzie

