



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : STEPHEN, J.C. EXPLORATION LIMITED

1458 RUPERT STREET
NORTH VANCOUVER, B.C.
V7J 1E9

CERT. # : A8618573-001-A
INVOICE # : 18618573
DATE : 16-OCT-86
P.O. # : NONE
KALUM CLAIMS

CC: ELLEN LAMBERT

Sample description	Prep code	Ag FA oz/T	Au FA oz/T	Cu %			
07780E L28	207	0.13	0.008	0.20	--	--	--
07781E L39	207	0.37	0.198	0.84	--	--	--
07782E L41	207	0.08	<0.002	0.23	--	--	--
07783E L42D	207	0.85	0.026	1.54	--	--	--
07784E L50	207	0.36	0.233	0.75	--	--	--
07785E L51	207	0.19	0.067	0.38	--	--	--
07786E L52	207	1.75	1.054	9.47	--	--	--
07787E L53	207	0.74	0.256	1.64	--	--	--
07788E L54	207	0.85	0.296	1.05	--	--	--
07789E L55	207	0.67	0.176	0.39	--	--	--
07790E L57	207	0.96	0.224	1.22	--	--	--
07791E L58	207	0.23	0.028	0.34	--	--	--
07792E L59	207	0.31	0.100	0.50	--	--	--
07793E L60	207	0.20	0.036	0.39	--	--	--
07794E L61	207	0.18	0.060	0.24	--	--	--

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 Registered Assayer, Province of British Columbia



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TO : STEPHEN, J.C. EXPLORATION LIMITED

1458 RUPERT STREET
NORTH VANCOUVER, B.C.
V7J 1E9

CERT. # : A8619139-001-A
INVOICE # : I8619139
DATE : 13-OCT-86
P.O. # : NONE
~~CRESCENT~~

KALUM

CC: P.A. CHRISTOPHER

Sample description	Prep code	Au FA oz/T						
K86925-3	214	1.706	--	--	--	--	--	--
K86925-4	214	1.004	--	--	--	--	--	--

W. Stefanowski

VOI rev. 4/85

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TO : STEPHEN, J.C. EXPLORATION LIMITED

1458 RUPERT STREET
NORTH VANCOUVER, B.C.
V7J 1E9

CERT. # : A8618824-001-A
INVOICE # : I8618824
DATE : 14-OCT-86
P.O. # : NONE
KALUM

CC: ELLEN LAMBERT

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
07795EL06	207	0.01	<0.002	--	--	--	--
07796EL64	207	--	<0.002	--	--	--	--
07797EL65	207	--	<0.002	--	--	--	--
07798EL66	207	--	<0.002	--	--	--	--
07799EL67	207	--	<0.002	--	--	--	--
07800EL68	207	--	0.002	--	--	--	--
08178EL69	207	--	<0.002	--	--	--	--
08179EL70	207	--	<0.002	--	--	--	--
08180EL71	207	--	<0.002	--	--	--	--

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*** INVOICE ***

To : STEPHEN, J.C. EXPLORATION LIMITED

Invoice # : 18618574

1458 RUPERT STREET
NORTH VANCOUVER, B.C.
V7J 1E9

Date : 2-OCT-86
P.O. # : NONE
Project KALUM CLAIMS

Invoice for analytical work reported on certificate(s) A8618574-001

Quantity	Analysed for code description	unit price	amount
15	921 - Al %		
	922 - Ag ppm		
	923 - As ppm		
	924 - Ba ppm		
	925 - Be ppm		
	926 - Bi ppm		
	927 - Ca %		
	928 - Cd ppm		
	929 - Co ppm		
	930 - Cr ppm		
	931 - Cu ppm		
	932 - Fe %		
	933 - Ga ppm		
	934 - K %		
	935 - La ppm		
	936 - Mg %		
	937 - Mn ppm		
	938 - Mo ppm		
	939 - Na %		
	940 - Ni ppm		
	941 - P ppm		
	942 - Pb ppm		
	943 - Sb ppm		
	944 - Sr ppm		
	945 - Ti %		
	946 - Tl ppm		
	947 - U ppm		
	948 - V ppm		
	949 - W ppm		
	950 - Zn ppm	6.50	97.50
Sample preparation and other charges :			
15	214 - Received as pulp	0.00	0.00
15	238 - ICP aqua-regia digestion	0.00	0.00

TOTAL \$ 97.50
Discount (5 %) \$ 4.88

Please pay this amount ----> \$ 92.62
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TERMS -- NET 30 DAYS
1.5 % per month (18 % per annum) charged on overdue accounts



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CERTIFICATE OF ANALYSIS

TO : STEPHEN, J.C. EXPLORATION LIMITED

1458 RUPERT STREET
NORTH VANCOUVER, B.C.
V7J 1E9

CERT. # : A8618825-001-A
INVOICE # : I8618825
DATE : 13-OCT-86
P.O. # : NONE
KALUM

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
CC: ELLEN LAMBERT

Sample description	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm		
07795EL06	2.11	<0.2	<5	640	<0.5	<2	1.05	<0.5	9	17	101	3.65	<10	1.00	<10	0.88	693	3	0.15	5	840	34	<5	65	0.25	<10	<10	87	<5	72	--	--
07796EL64	0.37	<0.2	<5	60	<0.5	<2	0.24	<0.5	2	15	12	0.97	<10	0.11	<10	0.13	155	2	0.03	6	120	24	<5	10	0.03	<10	<10	9	<5	18	--	--
07797EL65	1.02	<0.2	<5	20	<0.5	<2	1.61	<0.5	2	5	6	0.81	<10	0.02	<10	0.14	330	<1	0.01	<1	880	12	<5	10	0.11	<10	<10	13	<5	18	--	--
07798EL66	0.05	<0.2	<5	<10	<0.5	<2	0.07	<0.5	1	18	5	0.75	<10	<0.01	<10	0.02	116	1	<0.01	6	30	12	<5	<1	0.01	<10	<10	4	<5	6	--	--
07799EL67	1.19	<0.2	<5	<10	<0.5	<2	1.87	<0.5	4	41	9	1.40	<10	<0.01	<10	0.08	332	<1	0.01	17	320	6	<5	40	0.21	<10	<10	43	<5	8	--	--
07800EL68	0.93	<0.2	<5	60	<0.5	<2	1.11	<0.5	4	6	12	0.84	<10	0.01	<10	0.27	287	<1	<0.01	2	540	8	<5	22	0.11	<10	<10	9	<5	24	--	--
08178EL69	0.37	0.4	<5	<10	<0.5	<2	0.38	1.5	38	16	47	34.94	20	<0.01	<10	0.24	449	<1	<0.01	14	90	28	<5	8	0.11	<10	<10	1126	<5	30	--	--
08179EL70	0.75	<0.2	<5	30	<0.5	<2	0.39	<0.5	9	49	15	2.08	<10	0.05	<10	0.37	281	1	0.03	30	70	8	<5	10	0.04	<10	<10	44	<5	20	--	--
08180EL71	1.53	0.2	<5	10	<0.5	<2	1.97	<0.5	11	92	19	2.31	<10	0.01	<10	0.45	305	<1	0.05	37	330	6	<5	71	0.26	<10	<10	80	<5	18	--	--

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CERT. # : A8618574-001-A
INVOICE # : I8618574
DATE : 2-OCT-86
P.O. # : NONE
KALUM CLAIMS

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
CC: ELLEN LAMBERT

Sample description	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Hg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm		
07780E L28	1.92	4.0	15	200	<0.5	<2	0.77	<0.5	14	61	1775	3.50	10	0.35	<10	0.79	600	<1	0.10	38	810	34	<5	72	0.13	<10	<10	69	<5	72	--	--
07781E L39	3.31	11.0	20	230	<0.5	<2	1.82	<0.5	8	12	7496	2.56	10	0.42	<10	0.65	593	5	0.29	4	100	16	<5	102	0.14	<10	<10	33	<5	48	--	--
07782E L41	3.71	2.2	5	30	<0.5	<2	0.08	<0.5	25	26	2373	5.26	10	0.07	<10	2.63	938	<1	0.05	25	<10	16	<5	10	0.13	<10	<10	81	<5	186	--	--
07783E L42D	1.69	29.0	15	10	<0.5	<2	0.45	<0.5	13	26	>9999	2.13	<10	0.01	<10	1.18	535	1	0.06	9	<10	8	5	8	0.03	<10	<10	81	<5	80	--	--
07784E L50	1.26	11.6	<5	90	<0.5	<2	0.63	<0.5	21	120	6826	11.85	10	0.07	<10	1.18	678	6	0.02	44	80	22	<5	9	0.07	<10	<10	388	<5	46	--	--
07785E L51	2.84	5.2	20	20	<0.5	<2	2.34	<0.5	14	160	3626	2.31	10	0.17	<10	1.22	409	1	0.18	63	300	10	<5	62	0.15	<10	<10	70	<5	30	--	--
07786E L52	1.46	54.0	25	230	<0.5	<2	1.10	1.5	16	78	>9999	4.43	<10	0.18	<10	0.63	473	209	0.09	37	<10	<2	25	12	0.08	<10	<10	86	340	48	--	--
07787E L53	3.01	23.0	15	900	<0.5	2	2.12	<0.5	22	189	>9999	3.25	10	0.55	<10	1.57	790	73	0.20	86	70	6	5	17	0.22	<10	<10	90	140	58	--	--
07788E L54	1.22	28.0	15	30	<0.5	4	1.52	<0.5	11	86	9912	2.57	<10	0.06	<10	0.32	579	4	0.06	36	<10	6	<5	26	0.26	<10	<10	64	<5	28	--	--
07789E L55	1.24	22.0	10	40	<0.5	2	1.12	<0.5	20	150	3820	4.37	<10	0.19	<10	0.85	734	1	0.13	63	260	12	<5	9	0.24	<10	<10	104	<5	50	--	--
07790E L57	1.39	32.0	15	80	<0.5	<2	1.15	<0.5	26	171	>9999	5.82	<10	0.14	<10	0.69	716	1	0.09	80	240	8	5	24	0.26	<10	<10	188	<5	72	--	--
07791E L58	1.53	6.6	10	20	<0.5	<2	1.70	<0.5	6	13	3307	1.94	10	0.07	<10	0.38	560	1	0.05	3	1560	6	<5	85	0.13	<10	<10	48	<5	30	--	--
07792E L59	0.87	10.8	5	20	<0.5	<2	0.68	<0.5	7	11	4663	2.68	<10	0.11	<10	0.23	756	13	0.01	4	230	4	<5	12	0.07	<10	<10	16	5	32	--	--
07793E L60	1.02	6.4	5	20	<0.5	<2	0.51	<0.5	7	23	3666	6.04	<10	0.07	<10	0.17	585	5	0.03	3	70	8	<5	14	0.05	<10	<10	76	150	34	--	--
07794E L61	2.23	4.8	5	60	<0.5	4	0.86	<0.5	17	14	2194	5.87	<10	0.41	<10	0.56	819	26	0.04	7	440	10	<5	22	0.11	<10	<10	34	40	48	--	--

Certified by *Hart Bichler*