



Date Submitted: 03-Oct-14
Invoice No.: A14-07291
Invoice Date: 14-Oct-14
Your Reference:

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

2 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)
Code 1A3-Tbay Au - Fire Assay Gravimetric (QOP Fire Assay Tbay)

REPORT **A14-07291**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Results

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Detection Limit	5	0.03
Analysis Method	FA-AA	FA-GRA
130101	< 5	
130102	> 3000	7.81

QC

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Detection Limit	5	0.03
Analysis Method	FA-AA	FA-GRA
OxN92 Meas		7.32
OxN92 Cert		7.64
OxD108 Meas	453	
OxD108 Cert	414.000	
SF67 Meas	880	
SF67 Cert	835.000	
130102 Orig	> 3000	
130102 Dup	> 3000	
Method Blank	< 5	



Date Submitted: 15-Oct-14
Invoice No.: A14-07667
Invoice Date: 23-Oct-14
Your Reference: Skinner

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A14-07667**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

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Emmanuel Esemé , Ph.D.
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TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Results

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
130103	13
130104	21
130105	7

QC

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OxD108 Meas	457
OxD108 Cert	414.000
SF67 Meas	797
SF67 Cert	835.000
130105 Orig	7
130105 Dup	7
Method Blank	< 5



Date Submitted: 03-Oct-14
Invoice No.: A14-07295
Invoice Date: 29-Oct-14
Your Reference:

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

59 Humus samples were submitted for analysis.

The following analytical package was requested:

Code 2A-15g Humus INAA(INAAGEO)

REPORT **A14-07295**

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Notes:

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Eseme".

Emmanuel Eseme , Ph.D.
Quality Control



Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH050	< 1	< 2	2	500	6	5.9	55	130	< 0.5	6.39	3.7	< 0.5	< 5	< 0.5	23400	< 10	70	0.7	33.3	< 2	< 100	< 0.5	6.3
SKH051	11	< 2	10	200	10	1.2	11	18	3.0	0.71	1.1	< 0.5	< 5	< 0.5	3500	< 10	40	0.7	3.1	< 2	< 100	< 0.5	1.7
SKH052	7	< 2	8	300	9	2.5	8	20	< 0.5	0.62	4.3	< 0.5	< 5	< 0.5	7200	< 10	30	0.8	3.6	< 2	< 100	< 0.5	2.4
SKH053	19	< 2	13	300	5	< 0.5	13	14	3.7	0.58	1.4	< 0.5	< 5	< 0.5	3600	< 10	40	1.1	3.2	< 2	< 100	0.8	1.6
SKH054	6	< 2	9	300	9	2.2	25	15	3.6	0.59	0.9	< 0.5	< 5	< 0.5	2300	< 10	30	0.9	2.8	< 2	< 100	< 0.5	1.6
SKH055	14	< 2	29	200	12	< 0.5	14	23	< 0.5	1.16	2.6	< 0.5	< 5	< 0.5	6900	< 10	50	0.9	4.7	< 2	< 100	< 0.5	2.7
SKH056	20	< 2	38	400	6	0.6	17	25	3.3	0.82	1.4	< 0.5	< 5	< 0.5	6200	< 10	40	0.9	4.0	< 2	< 100	< 0.5	1.5
SKH057	< 1	< 2	229	200	18	6.2	18	37	1.8	1.46	1.3	< 0.5	< 5	< 0.5	4000	< 10	40	2.0	6.3	< 2	< 100	< 0.5	4.1
SKH058	< 1	< 2	54	300	21	6.4	9	28	2.5	1.15	1.4	< 0.5	< 5	1.1	2800	< 10	30	1.6	6.1	< 2	< 100	< 0.5	4.8
SKH059	11	< 2	77	100	37	4.7	7	22	2.4	0.71	0.7	< 0.5	< 5	9.8	1500	< 10	20	5.3	4.2	< 2	< 100	< 0.5	2.4

Results

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH001	1.2	< 1	< 20	14.1	19	11	1.5	< 0.2	< 0.2	0.3	< 0.1	15.6
SKH002	1.5	< 1	< 20	16.9	23	16	1.8	0.4	< 0.2	0.5	< 0.1	15.9
SKH003	1.9	< 1	< 20	11.9	19	8	1.4	0.3	< 0.2	0.5	< 0.1	15.7
SKH004	< 0.1	< 1	< 20	8.7	13	< 3	1.2	< 0.2	< 0.2	0.7	< 0.1	15.3
SKH005	< 0.1	< 1	< 20	6.5	11	5	0.8	< 0.2	< 0.2	0.4	< 0.1	15.8
SKH006	0.3	< 1	< 20	4.5	9	8	0.5	< 0.2	< 0.2	0.2	< 0.1	15.3
SKH007	< 0.1	< 1	< 20	6.9	8	6	0.8	< 0.2	< 0.2	0.3	< 0.1	15.6
SKH008	1.6	< 1	< 20	31.8	36	27	3.0	0.4	0.5	0.5	< 0.1	15.1
SKH009	2.5	< 1	< 20	43.9	67	28	4.6	0.9	< 0.2	1.0	0.2	16.0
SKH010	3.5	< 1	< 20	89.4	143	111	8.9	2.3	1.0	1.0	0.2	15.7
SKH011	0.6	< 1	280	5.7	9	5	0.6	< 0.2	< 0.2	0.2	< 0.1	15.1
SKH012	< 0.1	< 1	70	15.7	28	21	1.7	0.3	< 0.2	0.3	< 0.1	15.2
SKH013	< 0.1	< 1	160	18.7	29	14	1.7	0.4	< 0.2	0.7	< 0.1	15.9
SKH014	< 0.1	< 1	< 20	9.9	13	4	1.0	< 0.2	< 0.2	0.5	< 0.1	15.2
SKH015	< 0.1	< 1	140	4.8	7	< 3	0.6	< 0.2	< 0.2	0.4	< 0.1	16.0
SKH016	1.1	< 1	< 20	8.6	< 1	< 3	1.1	< 0.2	< 0.2	0.8	< 0.1	15.4
SKH017	0.4	< 1	50	2.3	3	4	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.3
SKH018	< 0.1	< 1	< 20	2.2	4	4	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.2
SKH019	< 0.1	< 1	110	2.3	3	5	0.3	< 0.2	< 0.2	0.2	< 0.1	15.3
SKH020	< 0.1	< 1	70	2.0	3	8	0.3	< 0.2	< 0.2	0.2	< 0.1	15.8
SKH021	0.6	< 1	50	3.0	5	8	0.4	< 0.2	< 0.2	0.4	< 0.1	15.4
SKH022	0.7	< 1	< 20	3.8	5	3	0.6	< 0.2	< 0.2	0.3	< 0.1	15.4
SKH023	0.3	< 1	< 20	3.3	6	5	0.4	< 0.2	< 0.2	0.2	< 0.1	15.2
SKH024	< 0.1	< 1	< 20	3.8	5	8	0.5	< 0.2	< 0.2	0.2	< 0.1	15.2
SKH025	6.1	< 1	60	12.2	15	10	1.4	0.3	< 0.2	0.4	0.1	15.2
SKH026	2.4	< 1	< 20	8.7	11	7	1.1	0.3	< 0.2	0.4	< 0.1	15.7
SKH027	9.9	< 1	< 20	21.1	20	19	2.4	0.5	< 0.2	0.5	0.2	15.2
SKH028	3.0	< 1	< 20	74.3	97	44	7.8	1.6	1.2	1.3	0.2	15.4
SKH029	0.9	< 1	< 20	14.5	22	7	1.7	0.7	< 0.2	0.7	0.1	15.6
SKH030	1.8	< 1	< 20	8.5	13	11	1.3	< 0.2	< 0.2	0.5	< 0.1	15.2
SKH031	< 0.1	< 1	90	3.8	6	3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.4
SKH032	0.6	< 1	100	5.5	8	5	0.9	< 0.2	< 0.2	0.6	< 0.1	15.7
SKH033	< 0.1	< 1	170	2.8	6	4	0.5	< 0.2	0.3	0.2	< 0.1	15.2
SKH034	1.2	< 1	< 20	37.2	39	40	4.1	0.8	< 0.2	0.6	< 0.1	15.9
SKH035	1.4	< 1	60	6.9	8	7	0.9	0.3	< 0.2	0.3	< 0.1	15.5
SKH036	< 0.1	< 1	130	4.4	8	4	0.6	< 0.2	< 0.2	0.3	< 0.1	15.1
SKH037	< 0.1	< 1	80	4.3	7	3	0.6	< 0.2	< 0.2	0.4	< 0.1	15.1
SKH038	0.2	< 1	100	9.3	15	6	1.1	< 0.2	< 0.2	0.3	< 0.1	15.6
SKH039	1.1	< 1	70	32.8	51	23	3.7	0.4	< 0.2	0.7	0.1	15.6
SKH040	1.1	< 1	60	26.1	43	19	3.1	0.5	< 0.2	0.5	< 0.1	15.9
SKH041	0.7	< 1	80	8.1	12	9	1.2	0.3	< 0.2	0.6	< 0.1	15.7
SKH042	1.2	< 1	< 20	13.0	22	11	1.9	0.5	< 0.2	0.9	< 0.1	15.5
SKH043	0.8	< 1	70	16.5	31	14	2.4	0.5	< 0.2	0.7	< 0.1	15.5
SKH044	1.6	< 1	50	17.9	26	14	2.7	0.8	< 0.2	0.9	0.1	15.7
SKH045	< 0.1	< 1	100	6.1	10	6	1.0	< 0.2	< 0.2	0.5	< 0.1	15.7
SKH046	0.8	< 1	< 20	7.4	12	6	1.2	0.6	< 0.2	1.0	0.1	15.4
SKH047	0.6	< 1	< 20	15.5	32	8	2.2	0.6	< 0.2	0.5	0.1	15.7
SKH048	0.6	< 1	< 20	15.9	31	13	2.3	0.5	< 0.2	0.5	< 0.1	15.4
SKH049	< 0.1	< 1	110	7.1	11	6	1.0	< 0.2	< 0.2	0.4	< 0.1	15.9

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH050	< 0.1	< 1	< 20	28.0	53	15	5.3	1.5	< 0.2	1.9	0.2	15.6
SKH051	< 0.1	< 1	80	5.3	8	< 3	0.9	< 0.2	< 0.2	0.4	< 0.1	15.3
SKH052	< 0.1	< 1	70	10.6	17	6	1.4	0.3	< 0.2	0.6	< 0.1	15.6
SKH053	0.4	< 1	50	8.4	14	4	1.0	< 0.2	< 0.2	0.5	< 0.1	15.6
SKH054	< 0.1	< 1	< 20	11.5	18	10	1.4	< 0.2	< 0.2	0.4	< 0.1	15.6
SKH055	0.6	< 1	80	23.6	40	10	2.4	0.4	< 0.2	0.6	< 0.1	15.9
SKH056	< 0.1	< 1	100	12.9	21	13	1.5	< 0.2	< 0.2	0.5	< 0.1	15.3
SKH057	1.1	< 1	50	27.1	36	16	3.8	0.6	< 0.2	0.9	< 0.1	15.5
SKH058	2.8	< 1	< 20	24.6	30	28	3.7	0.8	0.5	0.8	< 0.1	15.6
SKH059	11.2	< 1	< 20	39.8	30	30	4.4	0.8	0.4	0.8	< 0.1	15.3

QC

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L-STD-4 Meas	18				5	4.0	< 1			0.09					300			0.1	0.2				
L-STD-4 Cert	20.0				5.60	3.67	0.600			0.110					365			0.160	0.240				

QC

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L-STD-4 Meas			30	0.7	2		0.1					
L-STD-4 Cert			32.0	0.800	1.41		0.130					



Date Submitted: 15-Oct-14
Invoice No.: A14-07671
Invoice Date: 05-Nov-14
Your Reference: Skinner

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

69 Humus samples were submitted for analysis.

The following analytical package was requested:

Code 2A-15g Humus INAA(INAAGEO)

REPORT **A14-07671**

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Notes:

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control



Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH0109	9	< 2	60	300	35	6.5	26	22	< 0.5	0.73	0.8	< 0.5	< 5	3.5	2100	< 10	< 20	1.6	3.2	< 2	< 100	< 0.5	3.1
SKH0110	12	< 2	36	200	27	7.7	13	18	2.0	0.67	< 0.5	< 0.5	< 5	3.7	1100	< 10	< 20	1.9	2.6	< 2	< 100	< 0.5	1.9
SKH0111	16	< 2	32	300	16	4.2	18	29	3.8	0.95	1.6	< 0.5	< 5	0.5	4000	< 10	< 20	1.4	3.2	< 2	< 100	< 0.5	2.4
SKH0112	< 1	< 2	15	200	39	6.3	5	11	< 0.5	0.25	0.8	< 0.5	< 5	2.7	1400	< 10	< 20	1.0	1.2	< 2	< 100	< 0.5	1.0
SKH0113	< 1	< 2	10	200	34	6.9	< 1	5	< 0.5	0.31	< 0.5	< 0.5	< 5	< 0.5	600	< 10	< 20	0.6	1.0	< 2	< 100	< 0.5	1.0
SKH0114	< 1	< 2	14	< 100	44	6.5	6	4	< 0.5	0.29	< 0.5	0.6	< 5	< 0.5	500	< 10	< 20	1.3	0.7	< 2	< 100	< 0.5	0.7
SKH0115	2	< 2	244	300	56	8.1	24	59	4.7	1.56	2.2	< 0.5	< 5	7.7	4500	< 10	< 20	2.4	7.9	< 2	< 100	< 0.5	6.5
SKH0116	< 1	< 2	28	200	45	8.1	8	16	1.9	0.58	0.8	< 0.5	< 5	2.3	900	< 10	< 20	2.1	2.7	< 2	< 100	< 0.5	2.8
SKH0117	< 1	< 2	19	200	35	8.7	< 1	15	0.9	0.53	< 0.5	< 0.5	< 5	3.6	700	< 10	< 20	4.5	1.7	< 2	< 100	< 0.5	1.6
SKH0118	< 1	< 2	18	200	15	3.0	9	16	3.6	0.84	0.7	< 0.5	< 5	1.4	2300	< 10	< 20	1.1	2.6	< 2	< 100	< 0.5	1.6
SKH0119	< 1	< 2	115	200	15	2.6	18	28	4.0	1.50	1.1	< 0.5	< 5	1.9	2300	< 10	30	1.4	4.0	< 2	< 100	< 0.5	3.6
SKH0120	6	< 2	67	200	12	2.6	14	36	1.9	1.48	1.8	< 0.5	< 5	< 0.5	6200	< 10	< 20	1.5	4.3	< 2	< 100	< 0.5	2.3
SKH0121	< 1	< 2	20	100	16	4.0	3	5	< 0.5	0.40	< 0.5	< 0.5	< 5	1.4	600	< 10	< 20	1.7	1.4	< 2	< 100	< 0.5	1.3
SKH0122	< 1	< 2	9	< 100	14	3.9	< 1	4	< 0.5	0.20	< 0.5	< 0.5	< 5	2.2	400	< 10	< 20	1.3	0.5	< 2	< 100	< 0.5	0.5
SKH0123	< 1	< 2	14	100	8	3.5	6	6	1.7	0.37	< 0.5	< 0.5	< 5	1.1	900	< 10	< 20	1.0	1.2	< 2	< 100	< 0.5	1.3
SKH0124	< 1	< 2	161	300	10	3.2	27	49	11.0	2.04	3.7	< 0.5	< 5	< 0.5	11600	< 10	< 20	1.8	7.5	< 2	< 100	< 0.5	4.9
SKH0125	< 1	< 2	21	200	16	4.9	5	12	1.3	0.42	0.5	< 0.5	< 5	< 0.5	2100	< 10	< 20	1.6	1.5	< 2	< 100	< 0.5	0.9
SKH0126	< 1	< 2	8	100	16	3.7	2	7	< 0.5	0.16	< 0.5	< 0.5	< 5	1.4	400	< 10	< 20	1.2	0.5	< 2	< 100	< 0.5	0.5
SKH0127	2	< 2	12	< 100	12	2.8	3	5	< 0.5	0.26	< 0.5	< 0.5	< 5	1.3	500	< 10	< 20	1.0	0.8	< 2	< 100	< 0.5	0.6
SKH0128	< 1	< 2	14	100	17	4.4	7	8	< 0.5	0.48	< 0.5	< 0.5	< 5	1.0	500	< 10	< 20	1.7	1.5	< 2	< 100	< 0.5	1.1

Results

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH060	3.1	< 1	< 20	46.7	79	59	6.3	1.1	0.7	1.3	0.1	15.7
SKH061	1.3	< 1	< 20	25.9	47	27	3.5	0.8	< 0.2	0.9	< 0.1	15.2
SKH062	1.1	< 1	< 20	26.9	58	34	3.2	0.6	< 0.2	0.8	< 0.1	15.2
SKH063	0.8	< 1	< 20	10.3	18	9	1.4	0.3	< 0.2	0.6	< 0.1	15.9
SKH064	0.7	< 1	60	14.4	21	14	1.9	0.4	< 0.2	0.7	< 0.1	15.5
SKH065	1.1	< 1	< 20	22.0	34	18	3.1	0.8	< 0.2	0.8	< 0.1	15.8
SKH066	9.8	< 1	< 20	18.3	17	22	2.7	0.7	< 0.2	0.7	< 0.1	15.7
SKH067	1.2	1	50	5.7	6	9	0.8	< 0.2	< 0.2	0.2	< 0.1	15.7
SKH068	2.6	< 1	30	18.1	21	26	2.1	0.3	< 0.2	0.4	< 0.1	15.5
SKH069	2.8	< 1	< 20	20.5	22	15	2.6	0.5	< 0.2	0.8	< 0.1	15.8
SKH070	0.8	< 1	140	10.9	15	11	1.3	0.3	< 0.2	0.6	< 0.1	15.2
SKH071	0.5	< 1	40	8.0	14	10	1.1	0.3	< 0.2	0.7	< 0.1	15.3
SKH072	0.4	< 1	< 20	3.5	7	5	0.5	< 0.2	< 0.2	0.4	< 0.1	15.8
SKH073	0.3	< 1	50	11.8	20	11	1.6	0.4	< 0.2	0.6	< 0.1	15.7
SKH074	< 0.1	< 1	40	2.5	5	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.8
SKH075	1.1	< 1	40	3.9	6	5	0.5	< 0.2	< 0.2	0.3	< 0.1	15.4
SKH076	0.6	< 1	40	2.8	4	5	0.4	< 0.2	< 0.2	0.2	< 0.1	15.4
SKH077	0.5	< 1	< 20	3.9	5	7	0.7	< 0.2	< 0.2	0.3	< 0.1	15.5
SKH078	0.5	< 1	30	3.8	6	6	0.6	< 0.2	< 0.2	0.2	< 0.1	15.5
SKH079	< 0.1	< 1	40	1.2	2	< 3	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.9
SKH080	3.1	< 1	< 20	26.4	45	22	3.5	0.8	< 0.2	1.0	< 0.1	15.7
SKH081	0.4	< 1	< 20	10.8	17	10	1.5	0.3	< 0.2	0.8	< 0.1	15.5
SKH082	1.4	< 1	< 20	13.7	21	15	2.0	0.5	< 0.2	0.8	< 0.1	15.7
SKH083	1.1	< 1	< 20	10.5	15	13	1.2	0.2	< 0.2	0.3	< 0.1	15.6
SKH084	0.5	< 1	100	7.5	13	8	1.0	0.2	< 0.2	0.4	< 0.1	15.6
SKH085	0.9	< 1	< 20	18.5	31	19	2.4	0.4	< 0.2	0.6	< 0.1	15.5
SKH086	0.7	< 1	60	7.7	12	5	1.0	< 0.2	< 0.2	0.5	< 0.1	15.6
SKH087	1.0	2	< 20	10.6	18	9	1.3	0.3	< 0.2	0.8	0.1	15.6
SKH088	0.5	< 1	< 20	5.0	10	9	0.7	< 0.2	< 0.2	0.3	< 0.1	15.5
SKH089	2.1	< 1	< 20	29.2	49	28	3.5	0.8	0.6	0.8	0.1	15.9
SKH090	3.2	< 1	< 20	41.9	76	33	5.1	0.9	0.7	1.0	0.2	15.8
SKH091	1.2	< 1	50	33.8	58	49	4.8	0.9	0.6	0.8	< 0.1	15.9
SKH092	2.2	< 1	< 20	50.4	< 1	58	7.5	1.6	1.2	1.4	0.2	15.6
SKH093	< 0.1	< 1	< 20	12.1	27	8	1.9	0.4	< 0.2	0.8	< 0.1	15.4
SKH094	1.8	< 1	< 20	9.5	18	11	1.3	0.2	< 0.2	0.8	< 0.1	15.3
SKH095	2.9	< 1	< 20	27.7	49	27	3.7	0.7	< 0.2	0.8	< 0.1	15.6
SKH096	13.5	< 1	< 20	110	101	121	13.1	2.3	1.6	2.1	0.2	15.6
SKH097	1.6	< 1	< 20	27.5	42	42	3.4	0.8	< 0.2	1.3	0.1	15.7
SKH098	< 0.1	< 1	< 20	7.4	< 1	11	1.0	< 0.2	< 0.2	0.4	< 0.1	15.7
SKH099	< 0.1	< 1	90	7.3	11	6	0.9	< 0.2	< 0.2	0.5	< 0.1	15.3
SKH100	0.8	< 1	< 20	14.9	< 1	14	2.1	0.5	< 0.2	0.9	< 0.1	15.8
SKH101	2.0	< 1	< 20	18.6	33	13	2.3	0.6	< 0.2	1.4	0.2	15.9
SKH102	< 0.1	< 1	< 20	12.7	23	17	2.0	0.5	< 0.2	1.4	0.2	15.7
SKH103	0.9	< 1	120	9.3	15	8	1.2	0.2	< 0.2	0.6	< 0.1	15.5
SKH104	< 0.1	< 1	< 20	8.4	16	14	1.2	0.2	< 0.2	0.9	< 0.1	15.2
SKH105	< 0.1	< 1	70	13.6	25	22	1.9	0.3	< 0.2	0.5	< 0.1	15.3
SKH106	< 0.1	< 1	< 20	20.9	43	19	3.8	0.9	0.9	1.9	0.2	15.8
SKH107	1.1	< 1	< 20	13.4	28	17	2.1	0.4	< 0.2	0.8	< 0.1	15.5
SKH108	2.1	< 1	< 20	25.8	53	29	4.2	0.9	< 0.2	1.2	< 0.1	15.2

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH0109	1.7	< 1	< 20	35.2	39	41	4.4	0.8	< 0.2	1.0	< 0.1	16.0
SKH0110	2.7	< 1	< 20	23.4	29	26	3.1	0.5	< 0.2	0.8	< 0.1	15.2
SKH0111	1.6	< 1	< 20	17.0	29	21	2.2	0.5	< 0.2	0.7	< 0.1	15.3
SKH0112	< 0.1	< 1	< 20	4.2	7	5	0.7	< 0.2	< 0.2	0.3	< 0.1	15.5
SKH0113	< 0.1	< 1	70	4.9	9	8	0.8	< 0.2	< 0.2	0.3	< 0.1	15.5
SKH0114	< 0.1	< 1	60	4.5	7	11	0.7	< 0.2	< 0.2	0.2	< 0.1	15.8
SKH0115	9.4	< 1	< 20	31.1	43	52	5.5	1.0	0.7	1.2	< 0.1	15.4
SKH0116	2.2	< 1	30	11.6	13	24	1.9	0.4	< 0.2	0.6	< 0.1	15.4
SKH0117	0.7	< 1	< 20	13.2	18	26	2.0	0.3	< 0.2	0.6	< 0.1	15.3
SKH0118	0.3	< 1	< 20	7.6	11	10	0.9	< 0.2	0.3	0.3	< 0.1	15.4
SKH0119	0.7	< 1	< 20	18.0	32	19	2.1	0.4	< 0.2	0.6	< 0.1	15.3
SKH0120	0.8	< 1	< 20	23.5	33	17	2.6	0.6	< 0.2	0.7	< 0.1	15.5
SKH0121	0.8	< 1	50	26.4	23	23	2.4	0.4	< 0.2	0.4	< 0.1	15.5
SKH0122	< 0.1	< 1	40	3.9	5	5	0.4	< 0.2	< 0.2	0.1	< 0.1	15.8
SKH0123	0.3	< 1	< 20	8.4	8	9	0.9	< 0.2	< 0.2	0.3	< 0.1	15.6
SKH0124	1.6	< 1	< 20	27.5	32	22	3.2	0.7	< 0.2	1.1	0.1	15.4
SKH0125	< 0.1	< 1	30	5.2	7	6	0.6	< 0.2	< 0.2	0.3	< 0.1	15.8
SKH0126	0.3	< 1	40	3.0	3	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.8
SKH0127	0.4	< 1	40	8.9	10	7	0.9	< 0.2	< 0.2	0.2	< 0.1	15.7
SKH0128	1.2	< 1	30	23.2	27	15	2.3	0.4	< 0.2	0.4	< 0.1	15.5

QC

Analyte Symbol	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La	Ce	Sm
Unit Symbol	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1	1	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L-STD-4 Meas	21	5	3.6	< 1	0.11	400	0.1	0.2	30	0.8	2	0.1
L-STD-4 Cert	20.0	5.60	3.67	0.600	0.110	365	0.160	0.240	32.0	0.800	1.41	0.130
L-STD-4 Meas	20	6	3.6	< 1	0.11	300	0.1	0.2	30	0.8	< 1	0.1
L-STD-4 Cert	20.0	5.60	3.67	0.600	0.110	365	0.160	0.240	32.0	0.800	1.41	0.130

QC

Analyte Symbol
Unit Symbol
Lower Limit
Method Code
L-STD-4 Meas
L-STD-4 Cert
L-STD-4 Meas
L-STD-4 Cert



Date Submitted: 24-Oct-14
Invoice No.: A14-07987
Invoice Date: 07-Nov-14
Your Reference:

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

22 Humus samples were submitted for analysis.

The following analytical package was requested:

Code 2A-15g Humus INAA(INAAGEO)

REPORT **A14-07987**

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Notes:

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control



Results

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH093A	3	< 2	19	400	6	< 0.5	7	29	1.4	0.80	2.3	< 0.5	< 5	< 0.5	9200	< 10	< 20	0.8	3.4	< 2	< 100	< 0.5	3.3
SKH129	< 1	< 2	18	500	9	0.9	23	40	1.2	1.41	2.3	< 0.5	< 5	< 0.5	7100	< 10	20	0.8	4.5	< 2	< 100	< 0.5	3.1
SKH130	6	< 2	8	200	8	1.4	8	11	< 0.5	0.42	1.1	< 0.5	< 5	4.8	1900	< 10	30	0.8	1.3	< 2	< 100	< 0.5	1.7
SKH131	9	< 2	6	300	7	< 0.5	7	27	< 0.5	0.88	2.1	< 0.5	< 5	< 0.5	7000	< 10	< 20	0.6	3.0	< 2	< 100	< 0.5	2.7
SKH132	< 1	< 2	7	< 100	8	1.2	10	23	< 0.5	0.78	1.3	< 0.5	< 5	< 0.5	4500	< 10	< 20	0.7	2.7	< 2	< 100	< 0.5	1.9
SKH133	3	< 2	16	200	19	4.5	12	16	1.0	0.62	0.5	< 0.5	< 5	3.0	1500	< 10	< 20	0.8	2.4	< 2	< 100	< 0.5	1.8
SKH134	3	< 2	13	< 100	17	5.0	< 1	4	< 0.5	0.17	< 0.5	< 0.5	< 5	4.4	400	< 10	< 20	0.5	0.6	< 2	< 100	< 0.5	< 0.5
SKH135	< 1	< 2	8	< 100	16	3.5	2	6	< 0.5	0.18	< 0.5	< 0.5	< 5	5.0	400	< 10	< 20	0.3	0.5	< 2	< 100	< 0.5	< 0.5
SKH136	< 1	< 2	7	< 100	28	5.2	4	8	< 0.5	0.12	< 0.5	< 0.5	< 5	< 0.5	300	< 10	< 20	0.3	0.4	< 2	< 100	< 0.5	< 0.5
SKH137	< 1	< 2	7	< 100	24	4.1	< 1	4	< 0.5	0.14	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	0.4	0.5	< 2	< 100	< 0.5	< 0.5
SKH138	< 1	< 2	6	< 100	13	4.1	2	< 1	< 0.5	0.12	< 0.5	< 0.5	< 5	< 0.5	300	< 10	< 20	0.5	0.3	< 2	< 100	< 0.5	< 0.5
SKH139	< 1	< 2	7	< 100	13	4.4	< 1	6	< 0.5	0.18	< 0.5	< 0.5	< 5	< 0.5	300	< 10	< 20	0.4	0.4	< 2	< 100	< 0.5	0.6
SKH140	< 1	< 2	7	< 100	13	3.6	< 1	< 1	< 0.5	0.16	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	0.5	0.4	< 2	< 100	< 0.5	0.6
SKH141	< 1	< 2	7	100	16	5.4	< 1	5	< 0.5	0.30	0.5	< 0.5	< 5	5.1	400	< 10	< 20	2.5	0.7	< 2	< 100	< 0.5	1.3
SKH142	3	< 2	12	< 100	14	2.1	< 1	7	< 0.5	0.17	< 0.5	< 0.5	< 5	4.0	400	< 10	< 20	1.0	0.5	< 2	< 100	< 0.5	0.6
SKH143	< 1	< 2	10	< 100	20	4.6	7	< 1	< 0.5	0.37	< 0.5	< 0.5	< 5	4.3	400	< 10	< 20	1.8	0.9	< 2	< 100	< 0.5	1.1
SKH144	< 1	< 2	11	< 100	19	3.9	< 1	< 1	< 0.5	0.35	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	2.3	0.7	< 2	< 100	< 0.5	1.0
SKH145	4	< 2	15	< 100	14	3.3	4	13	< 0.5	0.44	< 0.5	< 0.5	< 5	< 0.5	600	< 10	< 20	1.0	1.2	< 2	< 100	< 0.5	1.3
SKH146	< 1	< 2	15	200	12	1.9	12	29	< 0.5	1.57	1.0	< 0.5	< 5	< 0.5	1500	< 10	< 20	1.2	4.1	< 2	< 100	< 0.5	4.0
SKH147	8	< 2	6	100	8	< 0.5	10	14	< 0.5	0.64	0.6	< 0.5	< 5	< 0.5	1800	< 10	< 20	0.7	2.2	< 2	< 100	< 0.5	2.2
SKH148	4	< 2	4	100	8	1.4	10	19	< 0.5	0.60	1.5	< 0.5	< 5	< 0.5	2200	< 10	20	0.4	1.9	< 2	< 100	< 0.5	1.6
SKH149	< 1	< 2	5	< 100	22	< 0.5	13	43	< 0.5	2.00	1.0	< 0.5	< 5	< 0.5	5500	< 10	< 20	1.3	3.5	< 2	< 100	< 0.5	1.4

Results

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH093A	0.8	< 1	< 20	15.3	26	11	1.5	0.4	< 0.2	0.8	< 0.1	15.5
SKH129	0.8	< 1	< 20	21.6	35	10	2.4	0.7	< 0.2	0.9	0.1	15.6
SKH130	< 0.1	< 1	< 20	4.9	10	7	0.6	< 0.2	< 0.2	< 0.1	< 0.1	15.7
SKH131	< 0.1	< 1	< 20	10.9	21	6	1.2	0.4	< 0.2	0.6	< 0.1	15.4
SKH132	1.0	< 1	< 20	9.9	17	6	1.1	< 0.2	< 0.2	0.3	< 0.1	15.5
SKH133	1.6	< 1	50	7.9	12	12	1.1	0.4	< 0.2	0.5	< 0.1	15.6
SKH134	< 0.1	< 1	30	2.8	4	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.4
SKH135	< 0.1	< 1	< 20	3.0	4	3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.7
SKH136	< 0.1	< 1	< 20	2.7	7	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.6
SKH137	< 0.1	< 1	< 20	3.2	7	< 3	0.4	< 0.2	< 0.2	0.1	< 0.1	15.4
SKH138	0.4	< 1	20	2.8	3	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.3
SKH139	0.5	< 1	< 20	2.3	4	5	0.2	< 0.2	< 0.2	0.2	< 0.1	15.3
SKH140	< 0.1	< 1	30	2.1	3	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.9
SKH141	0.7	< 1	< 20	13.3	11	11	1.3	0.2	< 0.2	0.3	< 0.1	15.1
SKH142	< 0.1	< 1	30	2.8	5	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.2
SKH143	1.2	< 1	40	15.5	18	20	1.5	0.3	< 0.2	0.4	< 0.1	15.5
SKH144	0.5	< 1	< 20	13.8	21	15	1.5	0.5	< 0.2	0.3	< 0.1	15.1
SKH145	< 0.1	< 1	< 20	11.7	18	8	1.3	0.4	< 0.2	0.4	< 0.1	15.6
SKH146	1.2	< 1	< 20	42.1	2	27	4.1	0.9	< 0.2	1.1	0.2	15.2
SKH147	< 0.1	< 1	90	8.4	16	8	0.9	< 0.2	< 0.2	0.5	< 0.1	15.6
SKH148	< 0.1	< 1	60	7.6	10	< 3	0.7	< 0.2	< 0.2	0.4	< 0.1	15.4
SKH149	< 0.1	< 1	60	7.8	12	10	1.0	< 0.2	< 0.2	0.5	< 0.1	15.3

QC

Analyte Symbol	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La	Ce	Sm
Unit Symbol	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1	1	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L-STD-4 Meas	22	5	3.3	< 1	0.11	400	0.2	0.2	20	0.9	1	0.1
L-STD-4 Cert	20.0	5.60	3.67	0.600	0.110	365	0.160	0.240	32.0	0.800	1.41	0.130

QC

Analyte Symbol
Unit Symbol
Lower Limit
Method Code
L-STD-4 Meas
L-STD-4 Cert