ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

CERTIFICATE TB17189071

Project: TPK

This report is for 151 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 5-SEP-2017.

The following have access to data associated with this certificate:

NORTHERN SUPERIOR DATA ACCESS	MATT SOOLEY	

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
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **NORTHERN SUPERIOR RESOURCES INC**
ATTN: NORTHERN SUPERIOR DATA ACCESS
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

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.

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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1351C KELLY LAKE ROAD
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CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
W129751		1.63	<0.005		0.04	6.58	8.7	1640	1.62	0.48	0.28	0.02	51.7	1.7	14	0.49
W129752		1.56	<0.005		0.05	7.88	6.5	190	0.82	0.09	4.98	0.04	43.8	29.4	9	0.67
W129753		1.58	<0.005		0.26	6.44	28.0	650	1.82	0.11	0.17	0.03	16.15	0.3	11	1.48
W129801		1.72	0.134		0.40	7.17	10.3	510	1.12	0.15	2.25	0.09	47.9	65.5	65	1.62
W129802		1.38	0.011		0.11	7.48	4.8	550	0.86	0.06	2.20	0.05	45.0	18.1	82	1.69
W129803		1.23	0.012		0.05	9.34	12.6	1930	1.38	0.31	2.37	0.02	14.80	13.5	21	0.43
W129804		0.97	<0.005		0.04	2.29	6.1	40	0.24	1.10	0.99	0.02	5.75	44.4	53	0.13
W129805		1.82	0.030		0.08	7.67	14.1	590	1.08	0.38	2.10	0.02	44.7	12.9	69	4.20
W129806		1.36	0.036		1.46	6.65	2.6	350	0.21	26.9	3.22	0.40	19.60	59.5	131	2.33
W129807		2.41	<0.005		0.16	5.26	2.6	190	0.50	2.54	2.38	0.10	23.5	17.9	95	0.39
W129808		2.79	<0.005		0.15	9.03	1.1	880	1.01	12.35	4.09	0.11	35.5	23.8	195	2.07
W129809		1.72	<0.005		0.10	6.91	2.2	2700	0.88	2.10	0.82	<0.02	33.8	18.7	116	1.77
W129810		1.51	0.066		0.13	7.23	5.5	1210	0.34	5.72	0.23	<0.02	24.5	83.2	137	1.27
W129811		2.49	<0.005		0.12	8.03	1.3	1830	1.12	1.37	0.88	<0.02	18.85	6.5	124	1.10
W129812		1.37	<0.005		0.17	7.82	1.1	540	0.96	1.73	0.88	0.03	26.6	10.7	100	1.36
W129813		3.17	1.565		3.35	6.96	6.5	930	0.76	2.48	0.97	0.22	41.7	103.5	107	2.29
W129814		3.04	0.054		0.96	7.18	4.0	2500	0.91	2.46	0.95	0.13	59.3	47.7	129	2.15
W129815		2.24	0.040		0.08	6.86	4.3	2670	0.93	2.17	0.84	<0.02	16.20	11.0	121	2.03
W129816		1.54	0.071		0.06	7.84	2.7	1430	1.46	0.69	1.16	<0.02	34.0	10.0	139	2.48
W129817		2.03	0.009		0.03	7.31	3.7	280	0.72	0.05	2.71	0.04	33.4	13.7	28	0.59
W129818		1.97	0.021		0.30	7.35	2.0	310	0.29	0.08	6.15	0.05	4.72	118.5	55	0.55
W129819		0.84	0.008		0.04	6.83	4.1	330	0.78	0.05	3.86	0.05	34.8	31.3	38	0.92
W129820		1.60	0.008		0.17	7.25	5.8	80	0.18	0.16	7.58	0.03	9.13	70.6	73	0.17
W129821		1.76	0.007		0.13	7.54	2.9	150	0.20	0.08	6.59	0.02	4.52	48.1	153	0.46
W129822		1.92	0.024		0.44	6.87	62.0	320	0.45	0.09	4.34	0.05	16.40	64.3	183	0.38
W129823		2.25	0.031		0.11	7.90	11.4	400	0.40	0.11	6.18	0.02	11.60	79.8	55	0.82
W129824		1.79	0.037		0.72	2.84	14.2	30	0.21	0.24	8.99	0.14	7.49	93.1	503	0.06
W129825		1.38	<0.005		0.03	7.36	3.8	1320	1.11	0.04	1.49	0.02	74.5	7.2	14	0.66
W129826		1.74	1.015		0.36	6.84	30.0	840	1.18	0.10	0.81	<0.02	51.6	23.7	14	1.11
W129827		2.60	0.593		0.09	7.40	9.1	1040	1.09	0.09	0.84	0.02	28.3	17.9	13	1.23
W129828		1.50	0.005		0.05	6.09	8.4	90	1.30	0.04	3.31	0.08	34.6	5.9	13	0.08
W129829		1.69	0.016		0.11	8.49	12.7	1320	1.76	0.07	1.33	0.02	58.3	19.8	25	1.38
W129830		2.29	0.369		0.04	6.79	53.6	750	1.62	0.08	1.30	0.04	82.5	4.0	12	1.15
W129831		0.59	0.023		0.03	7.98	0.4	230	0.93	0.34	6.28	0.09	47.5	33.8	154	2.44
W129851		1.08	<0.005		0.03	6.08	0.9	360	0.29	0.09	3.45	0.06	13.35	30.6	149	1.67
W129852		1.51	<0.005		0.13	6.40	1.5	160	0.31	3.28	2.65	0.10	3.04	35.2	28	0.84
W129853		1.13	<0.005		0.17	7.97	1.2	260	0.50	0.61	4.54	0.23	3.11	48.7	27	0.81
W129854		0.74	<0.005		0.17	7.33	1.0	130	0.38	1.37	4.70	0.23	3.03	52.4	24	0.39
W129856		2.18	0.249		0.55	7.80	16.3	330	0.67	1.10	3.57	0.10	67.8	115.0	186	1.21
W129857		1.44	0.097		0.23	7.81	6.1	340	0.57	0.44	3.13	0.07	47.5	70.4	179	1.18

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1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
W129751		4.8	2.53	19.10	0.11	8.7	0.052	3.34	25.6	5.7	0.02	296	3.36	2.38	17.3	4.4
W129752		23.6	9.08	19.15	0.12	2.2	0.059	0.46	18.9	9.6	2.11	1410	0.80	2.91	4.8	5.8
W129753		8.2	1.55	17.50	0.09	4.9	0.023	3.33	8.1	13.1	0.08	175	2.25	2.72	13.4	1.1
W129801		452	5.28	18.00	0.12	3.4	0.036	1.45	26.1	8.1	1.29	472	2.51	2.16	6.3	62.2
W129802		48.1	3.69	17.40	0.10	2.9	0.030	1.74	23.9	13.5	1.48	402	1.07	2.45	5.3	34.9
W129803		3.7	1.66	24.9	0.12	5.0	0.047	1.59	5.9	8.3	0.35	138	0.82	4.14	2.3	3.9
W129804		7.8	3.38	6.41	<0.05	1.0	0.018	0.10	3.1	2.8	0.74	311	2.25	0.68	1.7	22.5
W129805		14.0	5.22	16.95	0.09	3.7	0.041	1.98	22.9	17.6	1.90	430	0.57	2.68	7.0	41.2
W129806		587	12.20	19.60	0.06	2.0	0.134	0.93	7.7	11.8	3.49	1440	4.70	0.23	7.0	30.3
W129807		112.5	4.22	14.00	0.06	1.9	0.124	0.31	8.5	8.1	1.52	711	6.14	1.00	3.8	23.7
W129808		88.5	7.36	28.3	0.08	3.0	0.228	1.52	12.3	17.1	2.85	1010	1.08	2.16	8.6	53.7
W129809		3.4	3.13	14.95	0.10	4.0	0.012	4.52	16.3	11.4	0.91	431	1.78	1.21	8.6	48.8
W129810		13.7	5.09	14.70	0.09	3.9	0.022	4.19	10.1	13.3	0.98	323	8.12	0.40	8.4	58.1
W129811		4.8	3.18	18.05	0.08	4.4	0.017	4.23	8.4	15.9	1.28	324	1.53	2.78	8.5	62.8
W129812		9.5	3.39	18.15	0.10	4.1	0.032	2.14	12.5	20.5	1.38	358	2.30	3.96	7.7	58.7
W129813		4370	5.51	16.15	0.09	3.3	0.167	4.54	21.4	14.4	0.95	792	8.76	0.27	8.1	48.4
W129814		736	4.25	15.55	0.11	3.5	0.023	4.72	29.4	17.1	1.05	834	3.77	0.30	8.1	60.8
W129815		11.4	3.96	15.90	0.07	3.4	0.008	4.01	7.9	14.3	0.97	814	1.50	0.30	8.0	51.3
W129816		5.5	3.68	18.20	0.09	4.5	0.015	3.65	16.1	16.8	1.31	488	0.74	2.64	8.4	54.9
W129817		85.6	2.67	11.30	0.10	2.3	0.024	1.07	13.7	21.6	0.81	398	1.37	2.94	1.8	38.0
W129818		1015	10.30	16.30	0.09	0.5	0.038	1.03	2.1	15.7	3.68	1580	0.54	1.28	0.8	263
W129819		111.0	6.06	15.55	0.11	2.7	0.045	1.26	13.1	22.8	2.15	1030	1.46	2.17	7.2	71.2
W129820		593	10.20	19.65	0.09	0.6	0.056	0.47	3.5	7.8	3.18	1520	0.79	1.54	1.3	222
W129821		508	8.02	16.95	0.06	0.3	0.030	0.73	2.2	13.1	3.52	1320	0.51	1.84	0.7	114.5
W129822		1180	9.08	15.85	0.06	1.5	0.065	1.25	8.4	13.5	3.15	1250	2.18	1.67	2.8	197.0
W129823		589	9.88	22.6	0.07	0.4	0.092	1.08	4.5	26.1	3.03	1470	0.77	1.77	2.2	235
W129824		1905	11.65	9.69	0.05	0.9	0.090	0.13	2.9	1.8	6.43	2290	0.34	0.26	1.1	393
W129825		46.7	2.35	17.75	0.11	7.4	0.035	1.72	36.3	9.5	0.41	379	1.48	3.55	9.5	9.0
W129826		117.0	3.33	16.85	0.10	4.8	0.039	2.34	27.3	10.2	0.35	358	4.70	2.91	10.7	11.4
W129827		132.0	3.06	18.75	0.10	5.2	0.028	1.40	12.0	8.2	0.36	274	5.22	3.85	9.0	7.0
W129828		105.5	1.10	12.40	0.10	3.2	0.011	0.13	13.6	2.3	0.40	299	0.32	3.15	9.2	17.7
W129829		213	4.35	24.6	0.09	5.5	0.050	1.88	30.7	16.8	0.36	302	0.75	3.36	14.8	17.8
W129830		8.1	2.37	16.90	0.13	4.9	0.030	2.29	42.6	9.9	0.46	326	0.87	2.86	10.2	5.5
W129831		33.0	6.98	17.55	0.10	2.9	0.050	0.89	21.8	8.6	3.80	1320	0.55	2.66	7.9	148.5
W129851		49.8	5.93	13.90	0.06	1.0	0.047	1.25	6.4	21.9	2.85	828	1.36	0.93	2.2	92.6
W129852		276	5.20	11.95	0.05	0.7	0.047	0.60	1.2	19.6	2.45	666	0.22	2.02	0.9	52.4
W129853		280	6.75	16.10	0.06	0.7	0.054	0.80	1.2	29.8	3.69	1020	0.19	2.35	1.0	80.6
W129854		276	5.91	13.70	0.06	0.8	0.044	0.44	1.2	20.5	3.21	1070	0.53	2.58	1.1	94.7
W129856		367	10.05	24.5	0.10	1.8	0.118	0.69	35.5	29.2	3.71	993	3.34	1.41	5.4	205
W129857		199.5	8.14	22.6	0.08	1.7	0.101	0.73	25.2	28.6	3.83	957	3.64	1.42	4.7	172.0

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Finalized Date: 22-SEP-2017
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CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
W129751		80	7.5	103.5	<0.002	0.10	0.64	5.0	1	1.8	89.9	1.20	<0.05	12.10	0.119	0.48
W129752		3650	4.6	22.1	<0.002	0.04	1.06	38.6	2	1.1	438	0.33	<0.05	4.59	1.270	0.11
W129753		140	111.5	142.5	<0.002	0.02	1.00	4.8	1	6.0	57.6	1.10	<0.05	16.20	0.095	0.81
W129801		410	7.2	65.4	<0.002	1.34	0.26	8.5	1	1.3	273	0.61	0.07	7.78	0.271	0.35
W129802		540	5.9	74.0	<0.002	0.15	0.22	9.2	1	1.1	274	0.48	<0.05	6.40	0.282	0.38
W129803		60	6.5	24.4	<0.002	0.86	0.16	1.1	<1	1.7	242	0.14	0.05	1.15	0.079	0.10
W129804		160	2.5	2.8	<0.002	1.17	0.18	4.2	1	0.3	59.7	0.15	0.62	1.35	0.101	<0.02
W129805		630	6.5	73.1	<0.002	1.53	0.18	10.0	1	1.1	204	0.59	0.07	6.62	0.375	0.41
W129806		530	15.5	18.9	<0.002	1.84	0.44	19.5	1	2.8	216	0.56	0.57	4.70	0.359	0.34
W129807		100	10.9	11.1	<0.002	0.19	0.42	8.1	1	2.2	206	0.39	0.23	7.00	0.178	0.06
W129808		120	17.7	26.4	<0.002	0.22	0.55	18.5	1	5.7	376	0.75	0.09	6.15	0.482	0.35
W129809		720	11.0	92.1	<0.002	0.57	0.51	8.2	1	2.9	136.5	0.76	0.22	9.21	0.322	0.59
W129810		750	7.2	83.4	<0.002	1.26	0.31	8.5	1	5.8	70.9	0.75	0.80	8.44	0.336	0.59
W129811		780	10.5	114.5	<0.002	0.17	0.50	10.5	1	2.1	164.5	0.80	0.16	9.77	0.363	0.53
W129812		810	6.9	95.0	<0.002	0.37	0.48	10.3	<1	1.4	213	0.75	0.16	9.43	0.350	0.46
W129813		680	7.1	122.0	<0.002	1.98	0.61	8.7	3	4.8	90.8	0.69	0.45	8.27	0.299	0.71
W129814		770	6.4	118.0	<0.002	1.10	0.53	8.4	1	2.0	87.5	0.69	0.24	8.10	0.332	0.63
W129815		650	6.6	98.7	<0.002	0.49	0.60	8.3	1	3.7	95.7	0.68	0.35	7.91	0.328	0.62
W129816		860	9.2	132.5	<0.002	0.41	0.36	9.0	1	2.2	178.5	0.79	0.09	9.59	0.360	0.64
W129817		50	4.3	22.6	<0.002	0.05	0.55	8.8	1	0.3	276	0.23	<0.05	10.65	0.191	0.15
W129818		90	1.7	39.0	0.009	1.37	0.82	44.4	3	0.4	144.0	0.06	0.14	0.41	0.683	0.27
W129819		60	3.6	31.7	0.003	0.07	0.61	27.3	1	1.2	198.0	0.75	<0.05	4.66	0.434	0.20
W129820		130	2.4	6.9	0.014	0.92	1.32	46.6	3	0.8	239	0.09	0.18	0.62	0.801	0.06
W129821		100	2.6	16.9	0.016	0.56	0.76	27.0	2	0.3	212	0.05	0.13	0.36	0.255	0.12
W129822		140	4.1	43.4	0.005	0.77	0.72	34.6	3	0.6	106.0	0.19	0.18	2.78	0.310	0.22
W129823		90	2.4	40.4	0.005	0.67	1.21	42.0	3	1.4	242	0.09	0.12	0.29	0.558	0.20
W129824		90	1.5	3.4	0.002	0.50	1.32	98.6	4	0.6	69.8	0.08	0.29	0.81	0.488	0.04
W129825		440	4.1	42.6	<0.002	0.05	0.30	13.5	1	1.2	201	0.59	<0.05	7.70	0.298	0.18
W129826		440	14.3	88.5	<0.002	0.92	0.32	6.3	1	3.6	77.7	0.96	0.05	13.10	0.236	0.48
W129827		490	9.8	62.0	<0.002	0.49	0.40	7.2	1	2.0	101.0	0.78	0.06	11.75	0.263	0.24
W129828		100	7.8	2.8	<0.002	0.03	0.58	3.7	1	0.3	118.0	1.46	<0.05	21.8	0.074	0.02
W129829		430	10.9	96.3	<0.002	1.03	0.39	10.9	2	2.7	137.0	0.85	0.09	13.05	0.263	0.36
W129830		470	12.4	95.5	<0.002	0.30	0.29	6.6	1	2.0	122.5	0.89	<0.05	12.00	0.242	0.47
W129831		1270	7.2	38.6	<0.002	0.14	0.28	19.9	1	1.1	613	0.51	0.09	3.08	0.653	0.27
W129851		250	5.4	48.6	<0.002	0.01	0.20	23.4	1	0.5	157.5	0.19	<0.05	1.67	0.354	0.28
W129852		210	4.2	16.8	<0.002	0.59	0.09	26.0	1	0.5	151.5	0.06	1.99	0.18	0.356	0.14
W129853		250	4.7	22.2	<0.002	0.73	0.10	39.5	2	0.6	192.5	0.06	0.27	0.20	0.411	0.20
W129854		240	4.3	8.6	<0.002	0.51	0.09	34.4	1	0.5	163.5	0.07	0.69	0.18	0.401	0.14
W129856		690	12.7	17.3	<0.002	4.09	0.70	14.4	1	1.7	347	0.48	0.24	6.18	0.302	0.25
W129857		520	9.6	20.5	<0.002	1.82	0.46	12.4	1	1.2	283	0.42	0.10	5.37	0.270	0.23

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
W129751		2.4	1	3.0	24.4	17	363	
W129752		0.8	90	0.4	22.7	52	89.5	
W129753		3.7	5	1.7	11.3	90	165.0	
W129801		2.1	66	3.0	12.3	37	129.5	
W129802		1.4	68	1.1	10.0	42	120.5	
W129803		0.6	44	55.4	4.6	9	219	
W129804		0.3	45	1.0	2.6	20	47.7	
W129805		1.5	87	20.7	11.5	60	161.5	
W129806		0.8	157	25.5	9.7	265	87.9	
W129807		0.9	56	2.1	8.1	61	71.1	
W129808		1.0	118	0.8	12.4	127	130.5	
W129809		2.0	70	1.9	13.1	28	153.5	
W129810		2.7	68	15.3	11.7	31	156.0	
W129811		2.5	96	1.4	15.0	53	168.0	
W129812		2.4	90	0.9	13.9	100	164.0	
W129813		1.8	76	10.0	9.1	38	136.0	
W129814		2.5	76	6.6	11.8	32	139.5	
W129815		1.7	81	8.6	8.4	24	139.0	
W129816		1.9	88	12.6	12.8	42	179.5	
W129817		1.3	165	0.3	6.6	25	69.3	
W129818		0.1	579	0.3	6.6	68	13.9	
W129819		1.1	397	0.8	16.7	53	69.1	
W129820		0.2	788	1.1	8.6	49	18.8	
W129821		0.1	212	0.2	5.9	49	10.3	
W129822		0.6	238	0.3	9.1	69	67.7	
W129823		0.5	638	0.4	12.7	79	10.7	
W129824		0.2	545	0.6	14.9	115	25.4	
W129825		1.5	17	0.6	24.4	21	322	
W129826		2.9	28	5.7	14.9	25	190.5	
W129827		3.8	35	3.3	8.6	23	214	
W129828		2.6	26	0.3	15.0	12	96.3	
W129829		1.7	53	20.6	13.1	27	224	
W129830		2.0	30	15.3	22.7	38	205	
W129831		0.7	156	2.6	19.4	89	136.5	
W129851		0.5	173	0.5	12.7	92	41.2	
W129852		0.1	179	1.2	11.4	62	21.0	
W129853		0.1	236	119.5	16.0	83	23.4	
W129854		0.1	195	3.2	15.7	80	26.2	
W129856		1.7	129	1.7	10.2	165	81.0	
W129857		1.4	114	1.2	7.9	165	73.7	

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
W129858		1.79	<0.005		0.03	4.65	1.0	140	0.54	0.09	7.38	0.13	20.6	9.2	59	1.10
W129859		1.89	<0.005		0.16	7.70	4.1	1030	0.97	0.59	2.47	0.04	23.0	26.9	111	2.00
W129860		1.18	0.405		7.47	7.55	1.3	420	0.83	1.48	3.00	0.55	35.2	23.4	94	4.32
W129861		0.95	0.316		11.65	6.85	37.2	510	0.58	683	3.25	0.42	30.6	59.3	127	2.04
W129862		1.21	0.016		0.23	7.23	4.8	680	0.69	4.25	2.62	0.06	20.8	7.8	107	1.10
W129863		1.01	0.030		0.14	7.21	20.6	690	1.23	0.58	1.84	0.12	86.4	8.0	36	1.32
W129864		0.94	0.005		0.08	6.99	7.2	1030	3.22	1.10	1.32	0.21	125.0	2.0	9	0.55
W129865		0.90	0.011		0.23	7.88	46.8	1680	2.94	0.32	2.07	0.27	103.0	11.3	8	1.11
W129911		2.47	<0.005		0.14	8.10	1.7	680	1.23	0.43	3.09	0.08	55.3	14.7	69	2.08
W129912		1.31	0.052		0.28	2.93	15.7	160	0.54	0.45	1.44	0.22	22.7	13.8	41	0.40
W129913		1.76	0.012		0.03	7.89	14.7	820	1.30	0.40	2.42	0.03	55.5	16.2	61	2.01
W129914		1.84	<0.005		0.08	7.49	3.9	820	1.03	0.15	3.60	0.05	63.2	11.1	57	2.17
W129915		1.25	0.077		0.26	7.26	3.7	250	0.81	0.38	3.84	0.06	91.4	30.4	120	1.48
W129916		1.58	0.037		0.09	6.59	2.6	180	1.02	0.29	2.02	0.02	33.8	9.0	54	0.92
W129917		1.72	0.544		2.37	4.44	21.8	220	0.86	0.55	2.29	0.33	30.8	10.3	79	0.90
W129918		1.61	0.070		0.82	7.47	4.0	230	1.11	0.17	1.60	0.12	50.8	7.2	30	0.31
W129919		1.14	0.130		2.57	7.45	2.1	370	0.99	0.14	2.21	0.23	79.9	11.9	68	0.80
W129920		1.92	0.075		0.89	7.44	0.8	530	0.83	0.94	1.90	0.09	46.4	15.4	90	1.97
W129921		1.60	0.465		0.99	6.39	3.7	470	0.96	0.31	1.79	0.31	34.7	8.4	61	1.22
W129922		1.20	0.008		0.18	8.22	8.2	710	1.09	0.27	3.14	0.08	39.8	18.0	74	1.89
W129923		1.96	1.395		0.38	6.90	43.7	560	1.00	0.77	2.26	0.08	37.7	15.8	68	1.50
W129924		1.63	0.034		0.05	6.84	9.0	750	1.02	0.43	1.56	0.04	53.2	8.3	33	1.37
W129925		1.29	0.017		0.14	7.70	2.8	530	0.96	0.18	3.79	0.08	57.0	15.7	106	2.12
W129926		1.58	1.645		0.20	7.22	1.9	70	0.15	0.14	7.35	0.17	4.32	43.2	163	0.49
W129927		1.43	<0.005		0.18	7.62	0.8	540	1.09	0.50	3.04	0.06	27.3	16.2	118	0.60
W129928		1.36	<0.005		0.11	7.46	1.2	260	1.16	0.16	4.18	0.09	30.1	22.3	405	0.59
W129929		0.87	0.010		0.04	7.87	1.5	450	1.58	0.07	2.63	0.02	83.3	14.3	55	3.08
W129930		1.79	0.005		0.05	7.70	1.3	480	1.04	0.12	2.96	0.06	50.9	15.7	82	2.37
W129931		1.54	0.008		0.29	5.36	4.2	70	0.52	0.18	3.49	0.10	14.60	23.8	13	0.45
W129932		1.20	<0.005		0.01	10.35	0.6	340	0.70	0.07	7.50	0.03	9.57	10.9	7	0.95
W129933		1.73	0.010		0.25	8.12	1.8	610	1.07	0.23	3.93	0.12	49.7	18.5	56	1.18
W129934		1.43	<0.005		0.04	7.11	1.0	780	1.29	0.05	1.05	0.02	25.5	1.2	5	0.57
W129937		1.72	<0.005		0.05	7.56	1.3	550	1.31	0.07	2.91	0.05	49.6	16.6	65	1.81
W129938		1.27	<0.005		0.14	1.59	3.9	150	0.09	0.13	0.56	0.02	3.25	18.3	20	0.26
W129939		1.24	<0.005		0.13	8.34	1.8	30	0.34	0.31	7.42	0.14	4.30	36.4	39	0.15
W129940		1.17	<0.005		0.04	8.36	1.0	290	1.19	0.46	4.01	0.06	33.3	19.4	39	15.55
W129941		1.28	<0.005		0.80	6.95	6.7	320	1.49	0.06	2.31	0.08	30.0	4.8	31	2.29
W129942		1.66	<0.005		0.06	7.76	0.7	660	0.95	0.12	3.74	0.07	42.5	29.7	15	2.20
W129943		1.20	<0.005		0.03	6.78	<0.2	1310	0.63	0.05	1.06	<0.02	56.7	5.1	39	1.41
W129944		1.50	<0.005		0.07	7.61	1.3	210	0.26	0.36	6.71	0.13	9.81	43.0	192	2.15

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
W129858		6.8	2.23	11.25	0.06	1.3	0.019	0.53	9.8	10.0	1.39	936	0.55	1.92	2.8	42.5
W129859		30.0	3.92	18.70	0.08	2.4	0.066	1.30	9.6	17.7	1.61	496	4.15	2.71	5.0	47.0
W129860		1210	4.35	19.55	0.10	2.9	0.160	1.88	17.7	15.4	1.52	550	1.32	2.46	7.2	48.2
W129861		288	6.77	18.20	0.10	2.2	0.198	1.13	14.2	14.6	2.52	1020	7.23	1.40	5.8	55.9
W129862		66.6	6.60	18.30	0.07	3.2	0.125	1.24	9.3	13.6	2.16	1030	2.03	1.72	6.9	31.0
W129863		18.1	2.35	16.55	0.15	3.8	0.027	2.04	48.4	19.4	0.86	459	0.45	3.28	7.6	25.1
W129864		6.5	3.17	25.5	0.17	9.7	0.128	2.68	61.2	8.3	0.03	1180	1.31	2.54	18.4	0.9
W129865		9.1	3.32	21.8	0.17	6.4	0.073	2.81	51.2	14.5	0.57	4110	1.38	2.20	12.8	2.9
W129911		53.6	3.92	19.45	0.14	3.1	0.050	2.58	29.3	16.9	1.40	659	0.73	1.40	7.4	38.6
W129912		261	2.84	7.46	0.07	1.2	0.031	1.04	10.8	4.6	0.69	550	0.48	0.13	2.7	30.5
W129913		3.3	3.67	18.65	0.13	4.6	0.033	1.93	29.8	15.6	1.32	382	0.67	2.86	8.3	33.0
W129914		23.9	3.49	18.50	0.13	4.3	0.027	1.58	33.0	11.7	1.30	419	0.45	2.77	7.3	36.5
W129915		118.5	4.96	18.25	0.14	2.6	0.051	0.89	52.0	15.0	2.21	638	0.36	2.27	5.2	81.6
W129916		24.3	2.44	13.30	0.13	4.1	0.017	0.66	18.0	8.6	1.15	348	0.25	3.42	4.7	30.4
W129917		44.5	2.29	9.61	0.10	1.5	0.034	0.62	13.8	6.4	0.90	265	0.31	1.54	3.0	26.7
W129918		511	1.20	15.85	0.14	4.3	0.037	0.44	15.2	4.8	0.40	182	0.59	4.81	6.0	11.0
W129919		2610	3.23	17.05	0.11	2.9	0.106	1.13	48.7	10.0	1.44	378	6.68	3.59	8.8	51.3
W129920		457	3.92	18.00	0.10	3.4	0.037	1.86	27.7	16.1	1.60	476	16.70	3.31	5.6	61.8
W129921		1885	2.76	13.65	0.10	2.3	0.066	1.33	16.7	12.5	1.03	333	0.40	2.37	5.7	36.1
W129922		55.3	4.26	20.9	0.12	2.9	0.044	1.90	19.7	17.7	1.61	567	0.90	2.44	6.3	40.1
W129923		115.0	3.55	15.80	0.08	2.7	0.029	1.69	16.4	9.7	1.23	387	2.25	1.97	7.1	43.2
W129924		13.3	2.12	15.10	0.08	3.5	0.024	1.37	25.5	8.6	0.65	277	3.34	3.29	6.6	16.6
W129925		39.7	3.93	19.05	0.10	3.1	0.040	1.67	24.2	11.3	1.38	714	0.42	2.52	9.5	44.5
W129926		69.1	7.59	14.65	0.05	0.6	0.050	0.30	1.5	13.2	4.66	1500	1.39	0.94	1.0	123.5
W129927		13.3	3.47	17.55	0.08	3.8	0.034	1.32	10.2	10.1	1.94	570	0.58	2.99	6.9	71.3
W129928		22.9	4.14	16.20	0.07	3.4	0.050	0.68	11.0	8.9	2.81	839	0.66	2.42	5.6	133.0
W129929		22.0	3.18	17.60	0.12	4.1	0.035	1.24	37.6	11.9	1.28	293	1.31	3.64	11.7	34.1
W129930		40.5	3.87	18.00	0.10	2.1	0.038	1.48	22.4	13.4	1.61	505	3.66	3.04	7.7	45.1
W129931		254	6.70	13.55	0.05	1.8	0.053	0.19	6.8	21.2	4.74	1220	0.31	1.01	2.3	10.9
W129932		3.6	2.21	21.8	0.07	0.6	0.022	1.26	4.7	42.1	0.83	349	0.14	2.61	2.0	36.6
W129933		97.7	3.24	20.5	0.10	3.2	0.022	2.77	24.0	17.0	1.12	458	1.15	1.22	8.3	39.1
W129934		7.1	0.93	18.20	0.08	1.8	0.023	2.04	11.6	7.8	0.12	371	0.12	2.66	4.1	0.9
W129937		17.9	3.42	19.30	0.11	3.3	0.023	1.50	21.6	19.9	1.52	381	0.32	3.22	7.4	39.0
W129938		61.5	2.28	5.27	0.05	0.4	0.009	0.47	1.5	5.9	0.76	389	0.28	0.11	1.0	21.1
W129939		229	9.39	16.90	0.05	0.8	0.064	0.23	1.4	8.2	3.98	1500	0.49	1.53	1.2	68.6
W129940		45.5	4.88	21.4	0.09	1.0	0.043	1.53	12.4	82.8	1.55	751	0.44	3.03	6.3	32.2
W129941		2.4	1.38	13.35	0.07	3.0	0.009	0.78	12.4	12.9	0.36	281	0.16	2.69	4.1	15.0
W129942		81.5	6.04	20.1	0.09	2.1	0.051	1.75	18.2	53.3	1.82	774	0.45	2.37	8.0	35.0
W129943		4.4	1.83	14.45	0.11	1.7	0.007	4.08	27.3	14.0	0.46	211	0.18	2.09	3.7	16.3
W129944		81.5	8.04	15.55	0.07	1.0	0.063	0.84	3.7	17.4	4.54	1340	0.11	0.80	2.1	140.0

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To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
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Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
W129858		280	4.7	18.5	<0.002	0.01	0.17	6.1	<1	0.5	235	0.26	<0.05	2.74	0.139	0.12
W129859		410	10.2	49.7	<0.002	0.62	0.19	8.2	<1	1.8	249	0.47	0.08	4.65	0.252	0.33
W129860		630	13.4	72.4	<0.002	0.21	0.30	9.6	1	2.9	253	0.71	0.12	6.60	0.304	0.55
W129861		1300	103.0	42.1	<0.002	0.75	1.40	9.7	1	2.4	289	0.45	1.96	6.75	0.272	0.27
W129862		730	8.6	48.0	<0.002	0.22	0.49	9.0	<1	2.8	320	0.61	0.06	7.48	0.292	0.30
W129863		560	16.5	72.1	<0.002	0.48	0.12	6.5	1	1.5	209	0.74	<0.05	12.55	0.251	0.45
W129864		60	6.8	93.9	<0.002	0.16	2.11	5.4	1	5.8	99.1	1.33	0.06	14.00	0.127	0.53
W129865		1040	70.2	100.5	<0.002	0.53	2.32	7.8	1	3.2	257	0.95	<0.05	15.20	0.226	0.56
W129911		730	11.9	87.6	<0.002	0.25	0.30	10.3	1	1.4	213	0.67	<0.05	7.33	0.366	0.45
W129912		290	8.3	27.2	<0.002	0.97	0.53	3.8	1	1.0	41.0	0.24	<0.05	2.91	0.114	0.12
W129913		700	9.6	66.8	<0.002	0.28	0.48	9.6	1	0.9	297	0.76	0.10	8.36	0.350	0.40
W129914		740	7.3	51.5	<0.002	0.09	0.46	10.3	1	0.7	274	0.68	<0.05	7.92	0.362	0.25
W129915		740	7.1	45.1	<0.002	0.43	0.49	12.1	1	4.4	303	0.43	0.24	5.44	0.347	0.29
W129916		360	6.6	26.2	<0.002	0.13	0.26	5.4	1	1.2	189.5	0.79	0.07	15.95	0.203	0.17
W129917		270	465	25.5	<0.002	0.47	1.47	7.1	1	2.7	214	0.26	0.16	2.96	0.203	0.15
W129918		120	9.1	12.3	<0.002	0.14	0.61	3.3	1	2.5	208	0.57	<0.05	8.63	0.237	0.09
W129919		750	7.7	39.5	<0.002	0.25	0.23	8.3	2	12.0	224	0.72	<0.05	6.23	0.347	0.17
W129920		570	5.1	86.6	<0.002	0.05	0.18	8.6	1	2.9	172.5	0.46	0.06	5.16	0.272	0.51
W129921		460	6.5	47.8	<0.002	0.19	0.22	6.5	1	1.3	240	0.54	0.06	6.65	0.234	0.23
W129922		590	8.6	77.7	<0.002	0.24	0.22	9.0	1	1.6	284	0.65	<0.05	7.64	0.320	0.52
W129923		580	8.1	76.0	<0.002	0.43	0.26	8.3	<1	1.9	217	0.59	0.05	6.74	0.316	0.42
W129924		320	8.5	48.2	<0.002	0.58	0.20	5.0	<1	1.3	242	0.72	0.11	10.80	0.198	0.25
W129925		710	11.8	57.2	<0.002	0.19	0.25	12.8	1	1.1	256	0.76	0.05	7.15	0.388	0.39
W129926		220	3.9	9.8	0.003	0.07	0.25	44.9	1	0.3	112.5	0.06	<0.05	0.21	0.375	0.06
W129927		600	7.5	47.7	<0.002	0.04	0.14	11.1	1	1.2	367	0.58	0.28	4.97	0.298	0.24
W129928		640	9.7	19.5	<0.002	<0.01	0.20	15.3	1	1.7	323	0.44	<0.05	3.81	0.271	0.13
W129929		880	5.0	51.5	<0.002	0.05	0.17	7.5	1	1.1	502	0.81	<0.05	10.40	0.293	0.30
W129930		660	6.0	58.7	<0.002	0.11	0.16	10.3	1	1.4	315	0.61	<0.05	6.38	0.347	0.36
W129931		320	2.5	6.6	<0.002	0.23	0.40	28.4	1	0.4	76.7	0.20	0.05	0.84	0.163	0.06
W129932		120	7.0	32.9	<0.002	0.01	0.08	3.7	<1	1.0	317	0.19	<0.05	1.49	0.101	0.49
W129933		800	10.2	76.4	<0.002	0.07	0.37	8.8	<1	1.2	154.5	0.71	<0.05	6.92	0.329	0.36
W129934		120	8.4	64.4	<0.002	0.03	0.10	1.9	<1	0.5	134.0	0.39	<0.05	3.91	0.029	0.30
W129937		740	9.2	50.2	<0.002	0.18	0.18	9.8	1	1.0	415	0.62	<0.05	6.54	0.308	0.25
W129938		60	1.0	19.5	<0.002	0.19	0.11	1.1	<1	0.4	9.4	0.07	0.09	0.83	0.033	0.07
W129939		240	1.9	4.9	<0.002	0.56	0.23	44.6	2	0.4	101.0	0.08	0.16	0.22	0.496	0.04
W129940		840	9.2	124.5	<0.002	0.02	0.16	11.8	1	1.0	519	0.39	<0.05	1.86	0.483	0.90
W129941		220	13.7	34.3	<0.002	<0.01	0.65	4.3	<1	0.5	201	0.86	<0.05	29.2	0.119	0.20
W129942		1150	6.6	69.6	<0.002	0.15	0.09	15.2	1	1.6	381	0.50	<0.05	4.83	0.644	0.44
W129943		290	16.7	160.0	<0.002	0.01	0.06	1.3	<1	0.6	284	0.12	<0.05	44.5	0.146	1.06
W129944		320	4.7	44.6	<0.002	0.22	0.22	43.7	1	0.5	119.0	0.14	0.13	0.72	0.517	0.29

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
W129858		0.6	50	0.4	5.4	40	61.2	
W129859		1.0	62	1.9	5.0	76	106.0	
W129860		1.9	76	3.0	9.3	67	128.0	
W129861		1.3	104	2.5	8.6	201	93.3	11
W129862		1.1	109	7.4	6.3	109	135.0	
W129863		1.7	46	29.5	14.0	48	161.0	
W129864		3.1	<1	2.6	41.2	138	407	
W129865		3.0	48	5.3	25.5	136	255	
W129911		1.5	79	6.1	14.3	92	122.0	
W129912		0.9	31	14.4	6.5	41	48.4	
W129913		2.1	76	4.2	14.4	51	197.5	
W129914		1.8	82	1.0	15.2	43	182.5	
W129915		1.5	111	9.8	12.3	53	112.0	
W129916		2.6	50	1.2	8.6	29	136.5	
W129917		0.7	47	9.9	6.2	36	64.3	
W129918		1.0	30	62.0	13.1	17	186.0	
W129919		1.9	65	1.8	12.5	55	115.0	
W129920		2.0	62	0.6	9.2	81	150.0	
W129921		1.9	48	0.7	10.2	56	93.7	
W129922		1.2	73	8.5	10.4	65	114.0	
W129923		1.2	70	17.6	11.2	57	103.0	
W129924		2.0	36	8.1	12.7	32	121.0	
W129925		1.8	81	16.0	17.3	78	113.5	
W129926		0.1	249	0.7	15.5	89	21.9	
W129927		1.3	76	0.7	17.7	58	155.5	
W129928		1.3	95	0.3	18.3	69	139.5	
W129929		2.2	62	0.5	13.8	29	178.0	
W129930		1.2	77	1.3	14.5	47	81.2	
W129931		0.4	39	0.2	9.8	95	73.1	
W129932		0.3	34	0.1	3.6	34	22.6	
W129933		1.9	74	6.1	8.6	51	129.0	
W129934		1.2	2	0.8	3.5	14	46.1	
W129937		1.7	73	0.8	12.1	49	135.5	
W129938		0.3	19	2.0	1.5	33	15.8	
W129939		0.1	342	4.9	18.8	80	27.5	
W129940		0.9	105	0.3	13.8	90	38.4	
W129941		2.4	32	0.4	5.8	36	86.6	
W129942		1.4	221	0.2	13.1	103	80.7	
W129943		0.3	24	0.1	1.8	37	70.1	
W129944		0.2	274	0.4	21.6	88	38.6	

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
W129945		1.00	0.012		0.21	7.59	2.0	440	1.04	1.56	3.46	0.08	63.4	19.7	185	3.06
W129946		2.34	<0.005		0.16	7.32	1.1	390	0.98	0.14	3.74	0.12	34.6	19.9	113	1.41
W129947		1.55	0.007		0.09	7.61	1.5	580	1.31	0.22	2.68	0.07	71.4	12.5	58	2.03
W129948		1.07	0.029		0.25	7.86	1.9	320	1.07	0.12	2.38	0.10	62.0	13.9	52	2.91
W129949		0.90	<0.005		0.04	7.41	2.5	500	1.01	0.30	3.99	0.07	65.6	15.5	114	2.22
W129950		2.41	<0.005		0.03	6.11	7.4	970	3.62	0.89	1.30	0.11	73.7	0.7	7	0.60
W129981		1.14	0.010		0.02	7.53	3.3	340	1.21	0.08	2.69	0.04	30.3	5.9	69	0.84
W129982		3.82	0.033		0.12	2.78	3.8	270	0.52	0.07	1.45	0.06	23.1	17.2	38	0.20
W129983		1.01	0.014		0.27	7.39	9.6	430	1.56	0.12	1.98	0.06	33.0	19.0	72	2.01
W129984		1.92	0.007		0.11	8.04	4.6	520	8.34	0.11	3.08	0.22	460	26.9	4	0.32
W129985		0.86	0.046		0.10	8.39	6.0	750	0.94	0.06	4.30	0.05	42.8	57.8	75	2.35
W129986		1.58	0.013		0.12	7.73	4.6	580	12.35	0.16	4.05	0.26	>500	3.4	4	0.47
W129987		1.10	0.031		0.05	6.93	2.0	450	1.31	0.08	2.56	0.02	31.9	11.3	83	1.07
W129988		0.70	<0.005		0.05	7.73	0.9	550	1.25	0.08	4.52	0.08	95.0	24.9	185	3.56
W129989		1.93	0.005		0.07	6.33	4.7	460	1.02	0.07	1.92	0.03	45.7	16.4	62	1.46
W129990		3.55	0.030		0.40	6.48	3.8	370	0.93	0.05	5.65	0.15	37.3	7.9	255	1.20
W129991		0.62	0.007		0.09	7.95	7.3	630	0.95	0.14	2.98	0.04	52.6	59.0	61	1.19
W129992		0.76	0.005		0.10	8.08	10.7	360	1.84	0.85	5.05	0.06	35.9	31.5	103	3.03
W129993		1.68	1.895		25.1	0.62	20.4	30	<0.05	22.9	0.19	1.36	2.01	242	8	0.07
W129994		4.70	1.330		25.2	0.59	10.1	30	<0.05	50.9	0.24	3.01	8.36	123.0	17	0.15
W129995		2.24	1.270		26.1	0.31	15.1	40	<0.05	7.49	0.04	1.44	5.92	82.2	18	0.10
W129996		1.60	0.016		0.33	6.91	2.5	2720	0.84	2.20	0.82	0.03	12.80	17.2	125	2.41
W129997		2.18	0.012		0.14	7.65	2.9	2510	1.06	2.03	0.94	<0.02	31.6	19.4	179	2.94
W129998		1.24	0.015		0.12	7.83	3.1	2530	1.08	2.04	1.03	<0.02	22.0	52.5	223	3.29
W129999		0.95	<0.005		0.07	6.92	1.2	250	0.95	0.14	3.05	0.08	36.9	14.5	110	1.76
W130000		1.44	<0.005		0.04	7.46	0.9	290	1.08	0.35	3.24	0.03	87.2	31.3	496	2.81
W130031		1.18	1.015		5.15	3.99	3.7	180	0.53	0.18	3.50	0.97	36.9	3.8	32	0.44
W130032		1.28	0.176		1.57	7.61	2.1	520	1.04	0.19	1.83	0.12	70.4	5.6	38	1.33
W130033		1.21	0.005		0.15	7.49	9.8	510	1.03	0.13	3.00	0.04	56.9	17.3	61	1.76
W130034		1.26	0.006		0.09	6.97	6.6	730	1.21	0.11	1.44	0.11	46.7	10.0	38	1.01
W130035		1.60	0.132		0.97	7.51	3.4	180	0.93	0.16	5.02	0.09	60.9	8.3	158	0.44
W130036		1.73	0.011		0.07	7.67	4.8	360	0.82	0.11	3.71	0.03	72.5	23.7	178	1.13
W130037		1.30	0.020		0.12	8.06	2.5	680	0.99	0.23	2.18	0.03	42.5	8.9	19	1.07
W130038		2.14	0.023		0.13	6.85	2.6	370	0.80	0.12	4.35	0.05	61.2	16.3	154	1.78
W130039		1.06	0.284		5.54	9.17	4.3	1180	1.70	0.22	1.67	0.24	13.30	27.1	19	1.13
W130040		1.19	<0.005		0.05	7.59	1.0	480	0.90	0.08	2.63	0.04	32.3	29.3	230	1.13
W130041		0.68	<0.005		0.02	6.80	1.3	240	0.65	0.14	3.78	<0.02	37.0	12.6	89	2.04
W130042		1.20	<0.005		0.03	8.11	0.9	310	0.80	0.22	4.85	0.10	44.0	17.8	7	1.73
W130043		1.14	0.096		0.15	7.96	6.9	680	1.18	0.09	3.27	0.12	30.5	12.0	67	0.88
W130044		1.70	0.009		0.10	7.68	5.8	600	1.04	0.10	2.74	0.06	41.8	14.2	69	1.20

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
W129945		45.7	4.98	17.50	0.10	3.2	0.055	1.11	28.5	19.7	2.51	798	1.34	2.39	8.0	85.7
W129946		41.7	3.56	16.60	0.08	3.2	0.030	1.16	15.9	20.0	1.95	615	4.37	2.81	5.3	59.2
W129947		36.9	3.44	17.60	0.11	4.3	0.038	1.38	33.5	14.3	1.28	547	1.64	3.35	9.1	31.9
W129948		103.5	4.60	16.95	0.10	4.3	0.033	1.46	29.4	12.2	1.34	408	0.60	3.44	8.9	30.5
W129949		10.8	3.85	18.95	0.10	2.8	0.038	0.99	28.8	16.0	2.05	548	0.19	2.93	9.2	64.8
W129950		41.7	2.53	18.65	0.12	8.9	0.171	2.05	32.4	4.3	0.02	918	12.05	2.47	19.5	0.6
W129981		5.1	2.43	14.85	0.08	3.3	0.022	1.15	13.0	9.0	0.83	332	5.43	2.97	14.1	30.3
W129982		72.1	1.68	5.68	0.06	1.1	0.014	0.82	10.5	4.4	0.42	214	0.93	0.83	2.7	14.9
W129983		81.6	3.12	14.15	0.09	3.1	0.017	1.40	14.2	16.8	1.29	281	2.36	3.28	7.6	62.8
W129984		16.4	2.35	29.2	0.43	20.6	0.032	0.64	248	11.8	0.23	978	0.09	6.87	31.2	1.8
W129985		62.9	4.74	17.05	0.12	2.6	0.025	1.99	19.0	15.6	2.91	861	0.41	3.58	5.5	145.5
W129986		27.0	2.20	29.2	0.49	23.9	0.050	0.76	285	15.6	0.33	1060	0.08	6.58	29.0	2.0
W129987		20.7	2.88	14.70	0.08	2.8	0.017	1.35	14.3	16.0	1.27	398	0.72	2.66	7.1	40.0
W129988		44.3	4.63	17.45	0.15	2.7	0.041	1.61	42.6	24.7	2.96	770	1.83	2.60	6.6	84.9
W129989		28.7	3.09	14.50	0.09	2.6	0.025	1.41	21.2	12.7	1.18	375	0.46	2.05	6.4	31.0
W129990		94.4	3.52	14.70	0.09	3.4	0.026	1.45	16.9	17.8	1.58	954	0.19	2.18	8.7	48.2
W129991		38.0	3.27	21.4	0.18	3.6	0.038	1.58	25.9	10.9	0.97	465	1.86	2.47	6.8	34.2
W129992		5.9	4.80	20.2	0.15	3.7	0.033	2.07	15.0	20.3	1.93	754	0.96	1.34	6.5	76.1
W129993		8520	18.45	3.03	0.07	0.1	0.519	0.05	1.3	0.8	0.74	199	11.75	0.01	0.8	100.5
W129994		7910	11.20	2.50	0.06	0.2	0.367	0.07	5.3	1.1	0.54	203	76.5	0.01	0.7	60.1
W129995		7070	20.5	1.71	0.08	0.2	0.232	0.06	2.5	0.7	0.16	71	10.65	0.02	0.4	92.4
W129996		65.3	4.22	16.15	0.07	4.3	0.018	4.79	8.5	12.5	1.05	575	3.98	1.28	8.6	59.3
W129997		16.8	4.46	19.35	0.10	4.8	0.023	4.52	16.6	16.6	1.26	707	1.64	1.39	9.3	77.4
W129998		11.4	5.13	20.3	0.09	5.0	0.022	4.64	12.1	18.5	1.45	703	2.42	1.65	9.0	86.6
W129999		23.2	3.16	18.10	0.12	3.3	0.036	1.30	15.4	14.1	1.69	534	0.54	2.30	5.9	70.8
W130000		77.1	4.43	20.2	0.16	3.7	0.074	2.06	38.9	19.6	1.76	568	0.31	1.35	6.7	165.0
W130031		4980	2.24	9.42	0.12	2.1	0.128	0.46	13.4	5.7	0.72	414	0.28	1.84	3.9	18.7
W130032		1040	2.34	18.65	0.17	5.0	0.051	1.33	30.4	9.5	0.70	248	0.55	3.76	7.4	15.1
W130033		63.9	3.94	18.40	0.16	3.6	0.033	1.54	26.9	15.3	1.49	567	0.50	3.08	7.5	36.2
W130034		26.0	1.85	16.55	0.14	4.2	0.016	1.14	22.6	8.9	0.59	262	0.74	3.55	7.8	15.8
W130035		1410	3.16	16.70	0.18	3.0	0.091	0.45	23.7	12.4	2.19	630	1.31	3.26	7.1	51.9
W130036		30.6	4.66	18.40	0.16	3.1	0.049	0.87	34.1	15.5	2.92	541	1.01	2.85	6.7	92.1
W130037		43.1	2.42	20.2	0.13	3.3	0.029	1.23	20.5	8.8	0.81	276	0.10	3.58	2.9	10.6
W130038		87.9	4.39	16.30	0.18	3.0	0.035	0.96	28.3	18.7	3.04	651	0.81	2.44	6.8	84.7
W130039		2740	2.52	22.9	0.14	5.5	0.131	1.76	4.9	11.0	0.97	165	2.00	4.01	2.7	22.0
W130040		25.3	5.20	17.50	0.15	3.9	0.039	1.32	14.1	17.4	3.19	842	0.61	2.34	5.5	147.0
W130041		5.5	4.30	22.9	0.16	3.0	0.065	0.95	15.2	9.7	1.40	334	0.61	2.23	5.2	62.8
W130042		20.0	6.49	25.8	0.14	3.4	0.063	1.21	17.9	11.4	1.42	1030	0.23	2.41	13.7	7.3
W130043		14.9	3.42	19.60	0.15	3.6	0.020	2.46	12.5	13.7	1.49	654	1.63	1.82	7.7	36.2
W130044		26.8	3.23	18.80	0.16	2.8	0.032	1.96	18.7	10.6	1.31	509	0.47	2.57	7.4	33.7

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
W129945		850	12.4	46.9	<0.002	0.14	0.45	13.4	1	1.9	433	0.59	0.09	7.37	0.348	0.39
W129946		480	11.6	36.8	<0.002	0.06	0.41	11.9	1	1.0	280	0.52	<0.05	5.42	0.257	0.27
W129947		660	10.0	48.4	<0.002	0.09	0.47	9.8	1	1.2	238	0.73	<0.05	9.21	0.334	0.30
W129948		680	8.9	78.5	<0.002	0.03	0.40	9.5	1	2.1	254	0.75	<0.05	9.48	0.332	0.54
W129949		1060	9.5	24.3	<0.002	0.09	0.55	12.6	1	1.0	511	0.66	<0.05	6.16	0.435	0.22
W129950		60	5.6	86.1	<0.002	0.19	1.05	5.1	2	3.3	60.3	1.21	0.05	11.15	0.117	0.41
W129981		630	9.6	49.7	<0.002	0.08	0.24	6.2	1	1.3	306	1.39	<0.05	9.68	0.322	0.28
W129982		130	4.0	35.7	<0.002	0.26	0.16	3.4	<1	0.4	90.6	0.24	0.05	3.00	0.098	0.16
W129983		540	7.5	61.6	<0.002	0.40	0.12	9.4	1	1.0	253	0.73	0.06	8.33	0.301	0.41
W129984		360	22.9	16.9	<0.002	1.30	0.20	1.8	2	2.6	1295	0.68	<0.05	64.0	0.489	0.12
W129985		590	4.5	75.6	<0.002	0.22	0.15	23.3	1	0.8	531	0.31	<0.05	4.49	0.454	0.47
W129986		390	23.2	21.8	<0.002	0.73	0.24	2.2	2	2.7	2260	0.52	0.05	70.3	0.488	0.14
W129987		480	5.2	60.9	<0.002	0.05	0.24	7.9	1	1.1	341	0.63	<0.05	8.12	0.255	0.30
W129988		1100	16.9	69.6	<0.002	0.03	0.20	16.3	1	1.1	736	0.45	<0.05	8.66	0.373	0.42
W129989		500	6.6	63.0	<0.002	0.12	0.20	8.1	1	1.1	236	0.56	<0.05	8.33	0.225	0.31
W129990		360	5.8	62.3	<0.002	0.11	0.19	9.5	1	1.2	231	0.57	<0.05	6.57	0.209	0.32
W129991		510	10.6	59.3	0.002	0.40	0.26	8.8	1	1.5	321	0.70	0.06	10.65	0.272	0.27
W129992		890	8.9	69.1	<0.002	1.20	0.21	11.0	1	0.9	283	0.66	0.16	7.83	0.332	0.43
W129993		40	2.0	1.4	<0.002	>10.0	0.13	1.6	3	0.8	1.8	0.06	11.20	0.17	0.044	0.04
W129994		40	1.6	2.4	0.010	>10.0	0.13	1.6	2	0.7	1.6	<0.05	24.8	0.35	0.041	0.10
W129995		30	3.0	1.9	<0.002	>10.0	0.20	1.8	3	0.7	2.6	<0.05	1.74	0.72	0.024	0.07
W129996		720	10.3	115.0	0.002	0.63	0.38	8.6	1	3.1	134.5	0.79	0.37	9.31	0.335	0.63
W129997		900	9.9	116.5	<0.002	0.55	0.38	10.9	1	3.2	145.0	0.84	0.22	10.40	0.372	0.75
W129998		880	9.6	122.0	<0.002	1.01	0.38	12.0	1	4.9	158.5	0.83	0.27	9.83	0.367	0.82
W129999		580	10.6	49.4	<0.002	0.01	0.15	10.6	1	1.3	190.5	0.51	<0.05	4.61	0.297	0.28
W130000		1230	6.7	110.0	<0.002	0.25	0.15	17.1	1	2.0	178.0	0.46	0.07	7.66	0.398	0.77
W130031		390	5.2	13.8	<0.002	0.33	0.27	4.9	2	3.3	150.5	0.34	0.14	4.37	0.161	0.08
W130032		770	5.2	47.1	<0.002	0.14	0.36	5.9	1	9.4	166.0	0.65	0.07	9.40	0.307	0.26
W130033		640	6.8	57.5	<0.002	0.24	0.31	10.0	1	1.2	298	0.65	0.05	7.92	0.331	0.28
W130034		260	12.9	40.8	<0.002	0.08	0.20	4.2	<1	0.9	208	0.96	<0.05	13.90	0.174	0.20
W130035		1090	5.7	13.5	<0.002	0.13	1.57	12.8	1	6.1	324	0.57	0.05	7.98	0.367	0.08
W130036		1160	6.4	32.8	<0.002	0.03	0.81	15.1	1	1.6	446	0.58	<0.05	7.28	0.384	0.19
W130037		590	7.8	41.3	<0.002	0.13	0.23	5.5	1	0.9	405	0.22	0.12	6.98	0.262	0.24
W130038		980	5.0	45.3	<0.002	0.06	0.34	13.1	1	2.8	258	0.47	<0.05	6.23	0.367	0.25
W130039		160	11.4	53.3	<0.002	0.45	0.37	3.9	1	14.6	240	0.29	0.08	7.12	0.206	0.23
W130040		510	9.8	35.5	<0.002	<0.01	0.13	14.5	1	1.2	315	0.47	<0.05	4.03	0.275	0.21
W130041		640	2.7	37.8	<0.002	<0.01	0.12	10.5	1	1.9	359	0.45	<0.05	4.34	0.280	0.18
W130042		1620	12.1	48.9	<0.002	0.04	0.23	13.1	1	1.2	421	0.88	<0.05	2.55	0.513	0.31
W130043		590	7.9	78.6	<0.002	0.37	0.31	9.0	1	1.5	199.5	0.77	0.06	9.04	0.306	0.40
W130044		560	9.5	69.3	<0.002	0.13	0.22	8.6	1	1.4	244	0.68	<0.05	7.88	0.293	0.40

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method Analyte Units LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
W129945		1.8	98	2.3	14.3	101	135.0	
W129946		1.4	76	0.6	10.3	90	132.5	
W129947		2.3	70	0.7	17.0	53	187.0	
W129948		2.3	73	0.4	15.0	53	178.0	
W129949		1.2	115	0.6	14.3	80	113.0	
W129950		2.4	<1	5.4	30.5	78	367	
W129981		1.8	45	0.9	13.5	26	128.5	
W129982		1.1	23	97.9	6.4	12	42.6	
W129983		1.6	65	4.2	11.7	35	112.5	
W129984		7.9	31	0.7	42.1	40	>500	
W129985		1.1	184	1.2	13.2	44	111.5	
W129986		7.3	44	0.5	38.6	49	>500	
W129987		1.7	57	0.9	11.2	28	113.0	
W129988		1.8	115	0.3	16.1	99	116.5	
W129989		1.7	58	1.7	11.9	33	100.0	
W129990		1.6	62	0.6	15.0	52	142.5	
W129991		2.4	78	3.6	14.8	31	119.5	
W129992		1.3	91	35.3	11.0	54	139.5	
W129993		<0.1	21	10.9	0.9	55	2.6	25
W129994		0.1	18	1290	1.8	80	7.0	25
W129995		0.2	12	77.1	3.3	44	9.4	26
W129996		1.8	87	12.9	11.0	32	154.5	
W129997		1.9	102	7.6	12.7	38	177.0	
W129998		2.0	112	8.8	14.0	42	173.0	
W129999		1.2	82	0.6	14.4	65	124.0	
W130000		1.7	108	5.1	15.9	37	133.5	
W130031		1.0	36	0.8	9.6	51	83.1	
W130032		1.8	46	12.7	19.2	31	182.5	
W130033		1.9	79	1.0	15.5	55	123.0	
W130034		2.8	28	1.4	11.4	39	118.0	
W130035		1.5	88	3.9	16.0	57	105.5	
W130036		1.5	122	1.5	14.1	58	114.0	
W130037		1.4	52	0.9	4.4	39	129.0	
W130038		1.5	109	0.6	13.9	59	110.5	
W130039		10.0	40	5.9	8.3	32	204	
W130040		1.2	89	0.2	17.1	81	144.5	
W130041		1.6	104	0.9	13.8	22	110.5	
W130042		0.7	74	0.4	21.3	106	148.0	
W130043		2.3	68	27.2	11.2	67	122.0	
W130044		1.9	65	3.4	11.2	45	96.4	

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
W130045		0.82	0.024		0.36	7.18	0.6	400	1.03	0.16	3.16	0.09	46.2	13.5	59	1.50
W130046		1.57	<0.005		0.17	8.94	2.2	60	0.40	0.16	3.29	0.05	6.30	58.0	69	0.20
W130048		1.08	<0.005		0.09	6.83	1.4	30	0.16	0.56	6.89	0.10	4.29	37.7	113	0.08
W130049		0.95	<0.005		0.01	7.99	0.8	740	1.15	0.05	1.10	0.02	26.6	2.9	11	0.38
W130050		1.07	<0.005		0.04	6.93	1.3	640	0.20	0.09	5.05	0.07	8.34	42.6	191	3.75
W130291		1.31	0.209		0.17	7.97	7.4	840	1.22	0.13	2.71	0.09	49.6	13.1	72	1.23
W130292		2.11	0.007		0.04	7.98	2.5	260	0.56	0.05	3.46	0.05	28.2	28.8	40	0.82
W130293		1.95	<0.005		0.03	7.47	2.8	260	1.17	0.13	3.06	0.02	32.8	16.2	100	0.89
W130294		2.11	0.009		0.13	6.87	5.0	550	7.95	0.11	5.18	0.33	328	23.2	3	0.46
W130295		1.59	0.203		0.56	7.60	5.2	340	11.35	0.33	3.79	0.29	>500	5.7	3	0.30
W130296		1.31	0.487		0.15	1.98	6.8	180	0.48	0.08	0.66	<0.02	8.50	11.8	21	0.31
W130297		1.98	0.010		0.20	7.81	4.4	1480	8.18	0.16	3.12	0.22	>500	4.7	6	0.63
W130299		2.57	0.039		0.61	7.06	27.2	560	0.62	0.24	2.02	0.09	33.4	78.8	79	1.41
W130300		1.40	0.029		0.38	7.49	7.9	700	0.96	0.20	2.55	0.06	40.6	48.1	73	2.20
W130301		1.39	0.012		0.06	1.79	8.7	220	0.45	0.04	0.11	0.02	11.40	0.5	16	0.21
W130302		1.36	0.145		0.31	6.98	55.6	720	1.37	0.36	1.27	0.07	50.3	3.9	26	1.62
W130303		1.67	0.054		0.09	0.29	27.9	30	0.08	0.06	0.55	0.13	2.33	0.4	22	0.31
W130304		1.55	0.142		0.04	2.28	9.4	330	0.52	0.15	0.16	<0.02	8.78	0.2	17	0.28
W130377		2.01	<0.005		0.06	7.89	2.6	1110	0.95	0.26	1.30	0.16	68.1	4.3	22	0.76
W130471		0.84	0.006		0.08	7.21	33.9	920	1.47	0.34	1.02	0.05	72.7	8.7	31	0.31
W130472		1.11	<0.005		0.01	6.20	2.5	400	2.99	0.03	0.66	0.02	5.94	1.0	8	0.55
W130473		0.90	0.233		0.08	7.02	>10000	640	1.44	0.68	1.11	0.03	78.1	17.4	31	2.05
W130474		0.70	0.854		1.05	7.03	556	810	2.13	9.57	1.20	6.64	21.8	2.6	22	1.74
W130475		0.71	6.86	5.73	1.16	3.95	>10000	100	0.71	10.00	0.63	0.16	31.5	14.8	19	0.93
W130476		1.62	<0.005		0.20	6.96	41.8	790	1.75	0.29	1.86	0.07	73.5	8.9	45	2.55
W130477		1.35	0.015		0.04	8.25	99.9	590	0.98	0.59	3.73	0.06	58.0	19.6	110	1.45
W130478		0.76	<0.005		0.03	2.96	3.2	80	0.17	0.09	4.94	0.06	6.79	14.0	21	0.18
W130479		0.36	<0.005		0.02	1.44	19.6	100	0.21	0.04	0.58	0.02	5.52	2.7	18	0.15
W130480		0.80	0.006		0.02	7.23	3.2	260	1.14	0.15	3.42	0.03	29.0	15.9	98	0.93
W130481		0.87	0.005		0.01	1.96	9.3	130	0.34	0.04	0.54	<0.02	10.55	3.3	28	0.26
W130482		0.52	0.403		0.34	4.74	12.2	590	0.76	0.13	1.11	0.05	19.35	11.8	44	0.53

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
W130045		262	3.08	17.75	0.17	3.1	0.033	1.23	20.9	12.6	1.21	444	2.54	2.57	6.2	30.5
W130046		119.0	9.41	21.0	0.14	0.6	0.072	0.33	2.1	20.2	3.90	1170	0.88	2.46	1.5	106.0
W130048		162.0	7.53	14.85	0.10	0.9	0.051	0.12	1.5	5.4	3.94	1270	0.30	1.03	1.0	88.7
W130049		2.6	1.31	24.3	0.12	3.2	0.017	1.64	13.5	8.6	0.43	144	0.09	4.07	2.9	3.5
W130050		29.6	7.97	17.15	0.11	1.0	0.048	2.35	3.4	24.8	4.22	1240	0.69	0.80	2.6	117.0
W130291		13.7	3.32	18.95	0.16	3.4	0.028	2.94	22.8	14.0	1.42	748	3.90	1.31	7.1	40.4
W130292		21.1	5.01	15.85	0.13	2.7	0.031	0.75	11.7	13.8	3.62	802	0.72	3.20	3.6	91.9
W130293		10.2	3.55	18.50	0.16	3.9	0.030	1.14	13.9	16.7	2.17	499	0.84	2.09	6.9	76.1
W130294		11.7	3.13	24.6	0.38	18.7	0.030	0.68	155.5	21.0	0.31	1640	0.10	6.05	43.5	2.4
W130295		526	3.61	28.2	0.59	27.9	0.064	0.48	306	10.6	0.40	858	0.09	6.13	31.7	2.8
W130296		66.3	2.20	5.19	0.10	0.9	0.007	0.37	4.8	2.8	0.43	211	0.64	0.60	0.3	8.8
W130297		20.9	2.16	29.5	0.72	25.7	0.040	1.52	354	14.0	0.40	909	0.09	5.86	34.6	1.7
W130299		892	6.97	17.55	0.11	4.0	0.054	1.42	16.3	8.1	1.19	576	1.41	1.99	6.3	39.4
W130300		442	5.87	19.15	0.13	3.9	0.062	1.78	20.0	7.6	1.38	645	1.06	2.21	7.1	38.1
W130301		3.0	0.60	6.12	0.07	1.1	0.016	0.89	6.0	7.9	0.13	67	0.35	0.31	1.4	1.5
W130302		14.8	2.25	17.75	0.14	4.8	0.035	2.56	27.0	18.5	0.66	327	0.48	2.41	7.9	11.7
W130303		6.1	0.90	1.38	0.09	0.1	0.008	0.17	1.2	2.7	0.36	263	0.21	0.04	0.2	1.1
W130304		0.8	0.54	9.37	0.09	1.0	0.020	1.31	4.9	6.6	0.12	61	0.39	0.56	1.1	1.6
W130377		3.3	1.59	21.4	0.14	4.6	0.020	2.06	41.6	7.3	0.51	250	1.51	4.28	3.4	3.9
W130471		2.2	2.60	16.20	0.17	4.7	0.019	2.33	38.6	7.2	0.64	261	1.09	3.66	9.3	19.4
W130472		2.0	0.80	17.90	0.11	7.0	0.027	0.97	2.2	4.8	0.12	115	0.93	4.37	12.5	1.5
W130473		6.0	2.94	16.50	0.17	5.1	0.028	2.34	42.7	17.1	0.52	259	8.17	3.30	8.0	28.6
W130474		22.9	2.42	19.25	0.13	5.5	0.240	2.62	11.9	15.9	0.57	297	1.28	2.85	5.4	5.7
W130475		2.1	9.83	9.47	0.13	2.6	0.052	1.37	14.3	8.5	0.29	145	1.58	1.54	2.9	20.1
W130476		20.9	2.55	15.95	0.19	4.3	0.031	2.46	38.9	44.8	0.93	444	3.58	2.78	9.4	29.5
W130477		22.8	5.07	24.6	0.15	4.9	0.071	1.16	26.7	24.4	2.49	915	4.93	2.93	10.6	66.2
W130478		3.1	3.07	8.32	0.10	0.4	0.008	0.15	3.5	11.4	2.04	1100	0.51	0.37	1.1	55.1
W130479		18.1	0.85	2.98	0.08	0.5	0.006	0.27	2.8	2.3	0.20	193	0.27	0.61	1.3	10.3
W130480		10.2	3.44	18.10	0.13	3.8	0.032	1.05	13.1	13.5	2.14	523	1.47	2.26	6.9	69.3
W130481		3.8	1.08	3.86	0.12	0.8	0.006	0.34	3.9	3.2	0.35	134	0.14	0.69	1.0	9.0
W130482		31.8	2.44	11.25	0.12	1.8	0.017	1.74	9.5	6.5	0.68	437	24.8	0.66	3.8	23.1

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
W130045		640	8.2	40.5	<0.002	0.07	0.16	7.6	1	1.2	365	0.58	0.05	6.34	0.264	0.20
W130046		270	3.9	1.9	0.004	0.32	0.40	35.0	2	0.6	158.5	0.10	0.12	0.32	0.561	0.03
W130048		250	2.7	1.3	0.002	0.25	0.27	39.8	2	0.5	76.0	0.07	0.28	0.22	0.422	<0.02
W130049		370	5.1	44.7	<0.002	0.01	0.07	3.2	1	0.9	278	0.29	<0.05	4.82	0.135	0.20
W130050		290	5.5	96.1	0.002	0.01	0.24	38.6	1	0.6	126.0	0.15	<0.05	0.68	0.460	0.61
W130291		570	8.0	93.8	<0.002	0.52	0.24	9.1	1	1.3	170.5	0.73	0.07	8.38	0.288	0.43
W130292		490	3.6	17.6	<0.002	0.09	0.09	24.0	1	1.1	447	0.32	<0.05	4.09	0.280	0.16
W130293		460	4.6	42.0	<0.002	0.52	0.10	10.0	1	1.4	237	0.67	<0.05	4.31	0.251	0.23
W130294		390	21.3	16.5	<0.002	1.90	0.19	1.8	2	4.2	1435	1.01	0.06	52.1	0.717	0.14
W130295		430	19.8	12.2	<0.002	1.71	0.20	2.2	2	3.5	2270	0.74	0.12	88.4	0.566	0.08
W130296		140	2.5	14.0	0.004	0.24	0.08	1.9	1	0.4	63.8	<0.05	0.09	2.36	0.071	0.10
W130297		450	26.9	38.9	<0.002	0.90	0.20	2.2	2	3.8	1930	0.71	<0.05	101.5	0.594	0.22
W130299		260	8.8	64.2	<0.002	2.67	0.21	7.9	2	1.1	255	0.69	0.30	9.89	0.282	0.31
W130300		450	7.8	80.6	<0.002	1.17	0.24	9.1	1	1.5	302	0.66	0.10	8.29	0.308	0.41
W130301		120	9.2	26.4	<0.002	0.06	0.31	1.5	<1	1.3	10.3	0.13	<0.05	1.97	0.050	0.11
W130302		530	34.5	89.9	<0.002	0.23	0.66	6.6	<1	2.4	143.0	0.81	0.10	12.15	0.239	0.50
W130303		60	4.3	13.2	<0.002	0.06	0.31	0.7	<1	0.3	4.3	<0.05	<0.05	0.25	0.006	0.09
W130304		120	7.5	31.0	<0.002	0.01	0.44	1.4	<1	1.9	18.3	0.12	<0.05	2.15	0.046	0.13
W130377		710	43.0	72.7	<0.002	0.36	0.64	2.7	<1	0.9	649	0.35	<0.05	15.25	0.161	0.44
W130471		550	18.8	91.9	<0.002	1.10	0.31	7.3	1	1.7	194.5	1.30	<0.05	12.65	0.247	0.54
W130472		60	11.8	32.9	<0.002	0.01	0.16	3.5	1	1.5	139.0	2.74	<0.05	34.5	0.045	0.16
W130473		590	13.1	89.1	<0.002	0.82	3.76	6.7	1	1.8	195.5	0.82	<0.05	13.85	0.231	0.47
W130474		530	27.3	95.4	<0.002	0.54	0.43	7.1	1	2.3	129.5	0.56	0.24	14.70	0.198	0.47
W130475		300	28.1	45.2	<0.002	5.47	25.4	3.9	2	1.1	93.3	0.31	<0.05	6.37	0.115	0.22
W130476		540	23.1	102.5	<0.002	0.12	0.24	7.6	1	1.8	174.0	0.82	<0.05	12.80	0.269	0.63
W130477		750	8.5	23.5	<0.002	0.14	1.63	15.9	1	1.9	646	0.90	<0.05	7.51	0.443	0.22
W130478		140	1.8	5.2	<0.002	<0.01	0.13	1.8	<1	0.2	112.0	0.07	<0.05	0.68	0.060	0.03
W130479		130	1.9	10.3	<0.002	0.05	0.09	1.5	<1	0.2	57.8	0.12	<0.05	1.22	0.048	0.04
W130480		510	4.7	29.8	<0.002	0.47	0.10	9.9	1	1.5	242	0.66	<0.05	3.89	0.248	0.24
W130481		90	3.3	13.7	<0.002	0.01	0.08	1.9	<1	0.2	77.0	0.05	<0.05	2.68	0.063	0.08
W130482		290	4.6	53.3	<0.002	0.66	0.15	5.1	<1	0.8	72.9	0.37	0.06	3.69	0.159	0.22

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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

Sample Description	Method / Analyte / Units / LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
W130045		1.7	63	12.1	9.8	47	113.5	
W130046		0.1	296	1.6	23.7	107	20.0	
W130048		0.1	263	0.5	15.9	72	25.0	
W130049		1.5	24	1.6	4.0	14	116.0	
W130050		0.2	250	0.4	16.6	124	28.3	
W130291		1.5	68	12.7	12.5	40	118.5	
W130292		0.9	153	0.4	13.6	51	95.1	
W130293		1.2	69	25.0	16.8	39	136.0	
W130294		5.4	37	0.5	47.8	55	>500	
W130295		9.7	62	0.6	44.8	45	>500	
W130296		0.5	19	1380	2.7	10	30.4	
W130297		9.0	45	3.1	46.1	59	>500	
W130299		2.9	68	7.0	11.3	37	135.0	
W130300		2.3	74	3.2	12.4	47	143.0	
W130301		0.4	13	30.5	2.5	9	45.3	
W130302		2.2	43	24.3	14.0	40	178.5	
W130303		0.1	3	6.7	2.2	24	3.8	
W130304		0.4	17	41.1	1.6	5	33.0	
W130377		3.2	27	1.2	4.2	37	172.0	
W130471		3.5	54	2.1	18.3	31	156.5	
W130472		8.2	24	2.1	14.4	11	123.0	
W130473		2.8	42	4.3	16.3	24	181.5	
W130474		3.6	44	7.8	11.9	590	190.5	
W130475		1.4	29	13.4	8.2	13	93.1	
W130476		1.6	48	3.5	15.9	59	155.0	
W130477		2.2	116	1.5	15.8	97	182.0	
W130478		0.2	29	0.4	1.8	73	13.7	
W130479		0.3	10	0.2	2.3	6	16.3	
W130480		1.2	73	38.4	15.7	40	134.0	
W130481		0.7	16	0.8	2.2	8	24.1	
W130482		0.9	42	7.9	6.6	20	64.8	

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North Vancouver BC V7H 0A7
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To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 22-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17189071

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada
CRU-31 CRU-QC LOG-21 PUL-31
PUL-QC SPL-21 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-OG62 Au-AA23 Au-GRA21 ME-MS61
ME-OG62