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: 10-SEP-2017
Account: SUPDIA

CERTIFICATE TB17178824

Project: TPK

This report is for 160 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 24-AUG-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
ME-MS61	48 element four acid ICP-MS	

To: **NORTHERN SUPERIOR RESOURCES INC**
ATTN: MATT SOOLEY
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
UNIT 7
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CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	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	ME-MS61 Cu ppm 0.2
W129901		1.75	0.007	0.02	10.30	1.4	80	0.43	0.03	7.76	0.04	9.66	6.3	97	0.07	19.0
W129902		2.78	<0.005	0.01	7.76	11.4	190	0.37	0.03	6.99	0.03	11.75	35.9	256	0.46	4.0
W129903		2.92	<0.005	<0.01	7.19	1.8	80	0.22	0.02	5.71	<0.02	4.61	46.7	256	0.33	2.3
W129904		2.69	0.009	0.12	6.36	3.2	30	0.08	0.07	8.49	0.03	8.58	63.7	466	0.08	315
W129905		0.87	0.067	0.07	7.71	23.8	480	1.09	0.41	2.18	0.04	25.9	5.8	57	2.89	3.5
W129906		1.81	0.031	0.14	7.87	8.6	680	0.90	0.30	2.09	0.06	61.2	29.0	56	2.81	46.6
W129907		2.69	0.057	0.12	7.79	2.0	880	0.92	0.22	2.34	0.07	71.3	14.8	57	2.64	61.5
W129908		2.12	0.134	0.06	8.11	3.3	840	1.04	0.18	1.46	0.03	73.8	17.8	52	3.63	13.6
W129909		2.18	<0.005	0.05	7.70	8.5	450	0.98	0.16	2.43	0.02	60.8	15.3	57	3.78	28.8
W129910		1.22	0.684	0.11	7.79	109.0	910	0.96	1.15	1.36	0.06	71.1	13.4	53	1.81	11.7
W129951		0.43	0.933	3.60	5.02	152.5	1350	0.54	0.21	0.82	0.36	18.80	2.9	24	1.24	922
W129952		0.16	0.008	0.27	0.48	206	80	0.10	0.06	0.10	0.12	6.73	27.3	16	0.23	37.9
W129953		1.12	0.006	0.05	8.00	11.2	390	1.59	0.04	2.08	0.03	53.4	7.4	17	1.95	18.3
W129954		0.62	1.505	0.18	7.21	188.0	810	1.41	0.11	1.41	0.03	17.90	3.8	13	0.88	6.2
W129955		1.06	0.392	0.24	6.99	168.5	830	1.58	0.09	1.33	0.04	19.90	4.1	14	0.93	5.1
W129956		0.66	0.155	0.03	4.48	400	410	0.84	0.06	0.68	0.03	12.75	1.6	15	0.62	3.2
W129957		0.68	0.032	0.06	6.39	10.7	690	1.46	0.07	1.05	0.03	65.9	12.3	33	1.43	94.1
W129958		0.48	0.094	0.07	5.91	25.1	700	1.18	0.12	0.87	0.07	42.6	5.4	30	0.95	9.1
W129959		0.76	0.050	0.19	7.43	4.4	1220	2.46	0.04	1.80	0.03	66.8	10.8	16	1.81	250
W129960		0.47	0.005	0.01	2.52	2.1	140	0.42	0.01	1.29	<0.02	7.12	0.6	22	0.18	6.9
W129961		0.70	<0.005	0.57	6.66	29.6	1320	1.57	0.57	2.21	0.34	80.0	10.3	46	0.98	44.3
W129962		0.57	0.026	0.05	7.06	9.2	580	1.57	0.08	1.39	0.06	62.3	11.6	28	0.60	16.0
W129963		1.34	0.749	0.07	7.13	65.7	640	1.46	0.13	1.44	0.05	70.7	7.1	24	1.08	11.3
W129964		0.74	<0.005	0.60	4.98	14.7	1350	0.89	0.03	0.91	0.21	31.5	5.2	36	1.42	70.5
W129965		0.61	<0.005	0.04	8.00	2.3	670	1.42	0.74	1.71	0.02	31.0	10.6	122	1.62	2.6
W129966		0.99	0.010	0.05	7.32	1.9	580	1.29	1.13	1.57	0.03	28.3	13.0	103	1.27	3.3
W129967		1.55	<0.005	0.02	7.41	2.8	560	1.19	0.63	1.59	<0.02	31.8	8.3	170	1.15	2.3
W129968		0.83	<0.005	0.05	7.64	2.9	240	1.10	0.99	1.73	<0.02	24.0	12.9	192	2.90	3.2
W129969		0.76	<0.005	0.04	7.85	0.9	1170	0.64	0.08	2.43	0.03	51.9	13.2	67	0.86	12.8
W129970		2.17	0.036	0.28	1.53	12.7	40	0.21	0.22	11.65	0.16	20.3	41.7	22	0.25	205
W129971		0.66	0.019	0.10	7.16	3.3	490	1.19	0.10	2.52	0.02	50.4	20.0	42	1.57	98.6
W129972		1.25	0.010	0.06	7.51	3.0	530	1.34	0.15	2.08	0.03	55.1	21.0	46	1.78	51.4
W129973		3.01	0.091	0.03	7.58	4.3	590	1.06	0.07	1.75	0.04	37.9	13.2	58	0.95	41.0
W129974		1.98	0.088	0.05	6.95	5.7	590	1.09	0.08	2.17	0.04	30.3	15.0	55	0.96	30.2
W129975		1.94	<0.005	0.06	7.27	2.3	590	1.20	0.02	2.38	0.02	41.3	14.6	62	1.26	19.2
W129976		1.53	<0.005	0.04	6.07	3.5	680	0.52	0.07	2.89	0.02	61.3	29.9	358	2.30	2.3
W129977		1.98	<0.005	0.07	6.88	8.1	440	1.21	0.05	2.58	0.08	47.1	38.1	72	1.26	10.4
W129978		0.94	0.075	0.08	7.64	3.6	410	1.05	0.06	2.49	0.07	31.2	10.8	84	0.68	22.2
W129979		0.42	0.259	0.52	1.87	8.5	410	0.17	0.07	0.21	0.04	1.92	10.3	22	0.16	46.2
W129980		0.52	0.042	0.10	7.94	3.2	1240	1.01	0.05	1.59	0.08	43.5	8.6	61	0.82	9.8

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

Finalized Date: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 P ppm 10
W129901		1.38	22.7	0.18	2.8	0.020	0.17	4.7	5.1	0.93	439	0.12	3.99	1.7	9.4	10
W129902		9.13	16.10	0.12	1.2	0.058	0.61	4.4	25.1	5.14	1930	0.18	2.24	3.4	96.2	50
W129903		11.35	15.45	0.10	1.4	0.046	0.33	2.2	7.0	5.64	2460	0.11	1.77	3.2	99.5	40
W129904		10.30	14.20	0.09	0.5	0.057	0.20	3.6	4.2	6.11	1460	0.12	1.30	1.2	420	130
W129905		4.05	16.80	0.09	4.5	0.041	1.85	14.1	11.2	1.21	623	3.67	2.56	8.6	28.1	710
W129906		4.65	17.35	0.12	4.9	0.031	1.87	30.1	15.3	1.39	355	0.41	2.97	8.8	30.4	720
W129907		4.17	16.95	0.15	5.2	0.056	2.10	37.1	15.1	1.34	453	4.67	2.80	9.0	30.0	720
W129908		5.14	17.05	0.14	4.8	0.033	2.62	37.3	18.3	1.37	303	1.09	3.31	9.1	29.4	740
W129909		3.90	17.45	0.13	4.9	0.044	1.54	29.5	13.8	1.34	406	0.52	3.29	9.2	30.1	710
W129910		2.96	17.15	0.14	5.2	0.037	1.91	36.6	11.4	0.75	388	1.60	3.35	9.1	25.4	730
W129951		1.78	7.52	0.11	2.3	0.188	2.93	8.6	13.3	0.36	201	0.62	1.85	16.7	48.1	560
W129952		2.28	1.58	0.06	0.5	0.017	0.24	4.6	2.1	0.06	109	0.44	0.09	0.6	4.8	160
W129953		2.50	20.0	0.15	6.2	0.044	1.51	25.2	21.6	0.55	482	0.93	4.37	9.4	5.5	590
W129954		2.49	18.10	0.11	6.1	0.043	2.61	11.2	12.1	0.51	286	0.96	2.82	7.6	4.1	800
W129955		2.35	18.05	0.12	5.6	0.044	2.67	12.9	12.9	0.54	308	1.07	2.58	8.0	3.7	750
W129956		2.00	10.00	0.11	3.8	0.023	1.49	5.7	10.5	0.35	174	0.74	1.54	4.4	3.2	350
W129957		1.94	14.45	0.15	4.2	0.022	2.16	33.3	17.0	0.36	265	0.66	3.13	10.7	9.1	410
W129958		1.93	16.40	0.14	3.2	0.034	2.61	21.9	12.0	0.53	223	0.30	1.92	4.0	8.8	420
W129959		2.35	17.80	0.18	6.1	0.048	2.29	31.9	20.8	0.73	384	0.85	3.79	10.5	11.3	700
W129960		0.39	4.80	0.13	5.2	0.009	0.97	3.1	2.4	0.08	54	0.16	1.00	2.5	1.5	10
W129961		1.99	19.30	0.20	5.4	0.053	2.07	40.3	14.9	0.67	497	0.12	2.86	11.2	31.1	650
W129962		2.03	16.60	0.17	4.5	0.027	1.88	31.1	8.0	0.50	331	0.43	3.92	13.0	16.1	460
W129963		2.62	15.60	0.18	5.3	0.032	2.29	36.5	13.5	0.68	441	3.27	2.75	8.2	14.4	660
W129964		2.43	9.66	0.16	3.3	0.036	2.12	14.6	12.3	0.64	283	0.61	1.74	10.2	16.3	540
W129965		3.09	19.60	0.22	4.7	0.014	1.33	17.2	15.5	1.29	292	9.87	4.27	8.6	69.6	910
W129966		2.78	16.55	0.16	4.4	0.016	1.10	14.7	11.9	1.03	255	2.84	3.93	7.0	58.4	730
W129967		2.21	15.60	0.19	4.5	0.013	1.04	16.0	11.5	1.00	254	1.07	4.08	7.2	59.4	830
W129968		2.62	15.30	0.17	4.1	0.013	0.86	11.1	11.9	1.12	288	0.65	3.89	2.2	43.9	800
W129969		3.35	18.00	0.16	3.4	0.028	3.96	26.7	16.5	1.27	479	0.28	0.51	8.3	31.3	730
W129970		5.59	3.46	<0.05	0.5	0.039	0.15	11.2	4.9	4.52	1730	8.33	0.11	1.0	24.4	160
W129971		2.52	16.45	0.17	3.5	0.028	1.66	24.6	9.4	1.14	339	0.26	3.53	3.3	20.0	670
W129972		2.94	17.30	0.18	3.7	0.030	1.76	26.7	11.3	1.27	301	0.37	3.50	3.3	24.7	720
W129973		2.75	15.40	0.17	3.4	0.024	1.42	18.8	11.4	1.14	381	0.61	3.88	5.8	30.1	470
W129974		2.65	14.10	0.18	3.2	0.026	1.45	14.5	10.9	1.02	371	0.65	3.53	5.7	28.8	450
W129975		3.26	17.15	0.20	2.6	0.014	1.71	19.9	14.3	1.37	393	0.67	2.77	6.5	31.5	480
W129976		6.27	14.05	0.15	2.0	0.027	2.17	28.4	24.5	4.34	971	0.47	0.81	5.2	208	1100
W129977		2.91	14.15	0.15	2.8	0.019	1.55	22.8	12.2	1.32	420	0.94	2.83	8.1	54.0	490
W129978		2.90	15.55	0.15	3.8	0.020	1.23	14.9	7.0	0.88	347	6.66	2.81	9.8	16.0	640
W129979		1.97	4.48	0.12	0.7	0.009	0.90	1.1	2.1	0.20	106	0.74	0.17	1.6	12.9	80
W129980		3.01	17.10	0.17	3.2	0.020	3.48	22.7	12.0	0.99	381	1.63	0.80	6.8	22.7	530

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UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 U ppm 0.1
W129901		2.0	0.6	<0.002	0.01	0.91	9.8	<1	0.3	343	0.11	<0.05	0.18	0.324	0.03	0.2
W129902		0.6	28.0	<0.002	0.03	0.84	48.2	1	0.5	126.0	0.21	<0.05	0.75	0.494	0.10	0.3
W129903		<0.5	8.9	<0.002	<0.01	0.44	34.4	<1	0.2	81.6	0.18	<0.05	0.67	0.415	0.05	0.2
W129904		0.6	2.7	0.002	0.42	0.99	39.2	2	0.4	126.0	0.08	<0.05	0.64	0.478	0.02	0.1
W129905		10.4	84.8	<0.002	0.84	0.35	8.2	<1	1.5	249	0.77	0.13	9.05	0.339	0.53	1.7
W129906		11.0	85.2	<0.002	0.42	0.29	9.1	<1	6.6	299	0.82	0.06	10.40	0.348	0.58	3.0
W129907		8.3	76.8	<0.002	0.27	0.36	8.7	1	2.1	251	0.81	0.05	9.77	0.346	0.49	2.6
W129908		7.9	132.5	<0.002	1.12	0.32	8.8	1	4.2	207	0.81	0.05	10.80	0.337	0.90	2.3
W129909		10.1	58.4	<0.002	0.15	0.37	8.5	1	0.9	205	0.84	0.05	9.60	0.336	0.52	2.7
W129910		10.0	63.2	<0.002	0.92	0.25	8.8	1	1.6	194.0	0.82	0.18	11.00	0.340	0.36	2.5
W129951		22.8	78.3	0.002	0.18	0.41	3.4	2	1.7	113.0	2.51	0.33	6.87	0.219	0.34	1.2
W129952		10.5	12.9	<0.002	0.49	0.68	0.9	<1	0.2	8.7	<0.05	0.09	0.72	0.024	0.07	0.3
W129953		7.4	78.1	<0.002	0.09	0.30	9.3	1	2.0	201	0.84	<0.05	9.37	0.317	0.46	1.3
W129954		32.2	87.8	<0.002	0.76	0.82	8.5	1	1.6	169.5	0.69	<0.05	12.95	0.270	0.42	2.3
W129955		30.3	93.3	<0.002	0.75	0.80	8.6	1	1.6	165.5	0.67	<0.05	12.60	0.270	0.42	2.1
W129956		16.2	57.5	<0.002	0.21	0.69	5.4	1	0.9	111.5	0.35	<0.05	8.33	0.160	0.26	1.2
W129957		9.7	68.9	<0.002	0.41	0.31	5.2	1	1.4	253	1.19	<0.05	16.65	0.195	0.29	3.3
W129958		31.4	77.9	<0.002	0.15	0.28	6.2	1	1.8	90.1	0.43	0.06	12.50	0.157	0.33	2.0
W129959		6.7	87.1	<0.002	0.13	0.33	9.3	1	1.5	638	0.93	<0.05	12.25	0.330	0.41	2.2
W129960		2.6	29.8	<0.002	0.01	0.08	0.4	<1	<0.2	37.7	0.46	<0.05	33.3	0.005	0.13	9.0
W129961		478	66.8	<0.002	0.18	0.42	12.1	1	2.7	211	1.15	0.06	14.35	0.275	0.35	5.4
W129962		18.0	62.4	<0.002	0.24	0.39	5.9	1	1.7	189.5	1.37	<0.05	17.70	0.231	0.30	3.5
W129963		17.5	79.1	0.002	0.67	0.37	7.9	1	1.5	162.0	0.96	<0.05	13.45	0.257	0.38	2.7
W129964		73.9	69.4	<0.002	0.05	0.13	6.6	1	1.2	141.0	0.83	0.11	9.83	0.241	0.39	2.4
W129965		12.4	58.5	0.007	1.14	0.18	10.0	2	2.0	370	0.82	0.26	11.95	0.364	0.37	2.4
W129966		11.0	46.8	0.002	1.18	0.17	9.7	2	1.5	342	0.71	0.38	10.15	0.314	0.28	2.3
W129967		10.1	42.7	<0.002	0.68	0.16	9.5	1	1.6	355	0.74	0.21	9.63	0.334	0.24	2.3
W129968		15.0	51.7	<0.002	0.84	0.12	12.7	1	1.1	333	0.22	0.17	8.57	0.174	0.45	1.9
W129969		4.7	92.2	<0.002	0.06	0.09	10.3	1	1.0	62.5	0.68	<0.05	7.23	0.376	0.36	1.7
W129970		1.8	6.2	0.006	1.26	0.31	3.9	1	0.4	66.8	0.08	0.10	0.78	0.073	0.03	0.2
W129971		5.4	46.9	<0.002	0.30	0.15	8.4	1	0.9	291	0.33	<0.05	7.79	0.226	0.31	1.5
W129972		5.5	53.3	<0.002	0.38	0.14	9.1	1	0.9	306	0.33	<0.05	7.96	0.244	0.30	1.7
W129973		4.6	49.9	<0.002	0.57	0.11	7.6	1	1.3	153.0	0.65	<0.05	9.39	0.233	0.22	2.3
W129974		4.7	47.9	<0.002	0.83	0.10	7.3	1	1.4	161.0	0.60	<0.05	8.68	0.222	0.24	1.9
W129975		5.1	70.5	<0.002	0.11	0.11	8.2	1	1.1	245	0.65	<0.05	7.67	0.260	0.36	1.3
W129976		2.4	90.5	<0.002	0.06	0.14	18.5	1	0.9	223	0.31	<0.05	4.35	0.394	0.52	0.8
W129977		10.8	52.4	<0.002	0.23	0.17	8.5	1	1.2	335	0.99	<0.05	8.69	0.271	0.35	1.7
W129978		8.4	44.6	<0.002	0.11	0.16	6.9	1	1.3	291	1.05	<0.05	11.15	0.322	0.27	2.2
W129979		5.6	22.6	<0.002	0.34	0.10	1.7	<1	0.7	15.2	0.15	0.15	2.28	0.064	0.10	0.9
W129980		14.2	96.3	<0.002	0.09	0.24	7.6	1	1.4	115.5	0.68	0.05	9.17	0.263	0.33	1.8

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method Analyte Units LOR	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
W129901		72	0.2	5.7	18	94.6
W129902		244	0.3	23.0	59	37.9
W129903		254	0.1	18.0	56	46.6
W129904		325	0.2	11.2	61	14.2
W129905		75	7.0	8.1	52	166.5
W129906		77	5.8	11.2	56	190.5
W129907		75	1.5	17.2	61	217
W129908		70	12.5	17.4	65	193.5
W129909		73	3.0	15.9	48	198.5
W129910		74	24.0	16.9	43	202
W129951		25	0.5	28.3	35	83.7
W129952		6	0.7	1.3	34	17.4
W129953		61	1.3	12.5	44	221
W129954		50	39.4	15.6	56	235
W129955		51	30.0	16.1	58	218
W129956		29	80.9	7.3	33	146.5
W129957		29	1.5	17.3	28	142.5
W129958		46	22.3	9.3	44	121.5
W129959		57	1.4	20.2	35	231
W129960		4	0.5	8.3	<2	84.5
W129961		73	4.6	14.9	101	210
W129962		38	1.2	17.3	34	151.5
W129963		46	26.6	21.5	59	192.5
W129964		39	0.5	11.9	52	126.0
W129965		96	0.9	16.8	37	175.0
W129966		81	1.1	13.5	27	161.0
W129967		76	1.1	14.7	25	163.0
W129968		76	0.5	11.0	63	156.5
W129969		84	5.1	10.3	45	129.0
W129970		37	1.3	9.2	58	21.8
W129971		62	1.8	13.0	40	118.0
W129972		66	2.4	13.9	44	131.0
W129973		55	2.9	11.4	28	109.5
W129974		54	2.7	10.5	24	113.0
W129975		66	0.7	10.4	35	93.6
W129976		134	0.3	12.6	80	88.7
W129977		59	0.5	12.5	32	94.6
W129978		57	2.6	11.2	31	134.0
W129979		19	8.1	0.8	8	25.5
W129980		59	12.0	9.7	31	118.0

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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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	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	ME-MS61 Cu ppm 0.2
W130001		2.72	0.416	0.14	6.53	1105	1110	1.69	0.51	1.05	0.08	90.4	3.7	10	13.30	9.7
W130002		1.26	<0.005	0.21	7.66	3.3	570	1.04	0.25	5.39	0.13	40.8	54.3	139	0.95	447
W130003		1.24	<0.005	0.05	7.58	2.5	570	1.15	0.07	4.03	0.08	82.5	20.2	64	1.75	24.9
W130004		1.48	<0.005	0.06	8.17	34.0	220	2.80	0.23	1.86	<0.02	48.7	13.4	54	2.67	2.8
W130005		2.06	<0.005	0.04	7.42	24.1	240	2.07	0.14	3.23	0.07	143.0	15.9	71	4.31	2.0
W130006		1.36	<0.005	0.04	7.83	26.3	230	2.12	0.17	3.49	0.06	126.5	19.5	75	4.47	1.7
W130007		0.82	<0.005	0.04	7.47	0.4	60	0.53	0.03	4.20	0.11	20.6	10.0	13	0.09	21.3
W130008		1.36	0.069	0.05	7.31	11.0	780	1.67	0.08	1.65	0.03	82.2	8.6	15	1.17	10.5
W130009		0.89	0.014	0.07	6.39	22.4	600	1.72	0.13	0.68	0.10	58.7	3.5	12	0.52	3.9
W130010		1.13	0.173	0.50	5.60	29.4	680	1.17	7.49	1.22	0.07	66.8	6.9	16	1.50	74.7
W130011		0.91	0.413	0.16	7.16	680	660	1.59	0.10	1.44	0.05	25.8	2.1	13	1.07	6.0
W130012		1.44	0.248	0.18	6.46	751	550	1.37	0.10	0.63	0.17	34.4	1.5	12	0.53	2.4
W130013		1.67	0.006	0.07	6.34	15.7	330	1.59	0.14	0.66	0.02	33.0	3.8	16	0.27	5.1
W130014		1.44	0.022	0.08	7.59	22.1	580	1.37	0.05	2.44	0.02	297	35.7	432	11.90	60.9
W130015		1.43	<0.005	0.11	7.49	15.7	760	1.59	0.14	1.62	0.12	65.9	8.5	36	2.65	11.6
W130016		1.22	0.053	0.04	6.69	16.6	680	1.26	0.05	0.77	0.04	39.1	6.9	23	0.67	27.9
W130017		2.45	0.147	0.16	5.90	52.3	510	1.38	0.32	0.72	0.04	25.6	2.6	34	0.53	3.8
W130018		1.22	0.123	0.13	7.10	74.2	710	1.42	0.16	1.32	0.07	44.6	5.0	38	1.50	2.3
W130019		1.22	<0.005	0.03	7.07	4.3	840	1.44	0.03	2.14	0.06	64.1	9.3	39	2.50	23.0
W130020		1.21	0.007	0.26	7.40	2.2	400	1.41	1.25	1.11	0.02	62.3	18.0	141	0.66	90.0
W130021		1.02	<0.005	0.16	7.73	3.5	400	1.46	0.94	1.24	0.13	45.2	11.2	115	0.94	19.3
W130022		1.52	0.005	0.37	6.93	7.1	220	1.18	0.88	5.50	0.48	63.0	40.6	125	1.24	236
W130023		1.08	0.020	0.10	7.31	1.2	500	0.82	0.17	4.86	0.22	88.0	28.7	207	2.28	358
W130024		0.67	0.005	0.03	7.87	0.4	460	1.09	0.10	3.14	0.07	47.9	16.3	75	1.12	26.3
W130025		2.02	<0.005	0.05	7.31	1.2	640	1.01	0.11	2.57	0.06	45.5	15.2	66	1.32	16.7
W130026		1.29	<0.005	0.02	7.53	5.5	70	0.75	0.24	5.96	0.07	39.0	9.3	136	0.37	12.8
W130027		1.15	0.011	0.09	7.60	7.2	240	0.30	0.88	9.33	<0.02	94.3	50.5	157	1.39	63.1
W130028		1.73	0.092	1.00	7.35	2.0	610	1.07	0.18	2.36	0.25	55.7	13.7	43	0.96	415
W130029		1.31	<0.005	0.07	7.38	2.7	610	1.02	0.19	2.54	0.07	48.7	17.5	53	1.46	25.1
W130030		1.97	0.023	0.27	7.51	39.6	370	0.88	0.12	2.89	0.13	19.75	457	110	1.66	169.0
W130141		1.84	0.377	0.10	6.98	536	820	1.50	0.08	1.44	<0.02	32.3	3.0	14	1.10	4.4
W130142		1.16	0.462	0.05	6.11	18.4	740	2.11	1.82	0.65	0.02	14.20	3.1	8	0.94	11.2
W130143		0.95	0.054	0.05	7.30	25.6	740	1.48	0.11	1.55	0.03	65.8	5.5	16	1.59	5.1
W130144		1.13	0.157	0.08	7.19	49.1	740	1.55	0.20	1.59	0.03	71.2	9.6	22	0.82	3.9
W130145		1.22	0.006	0.09	6.29	96.7	700	2.35	0.09	0.81	0.11	76.5	2.2	13	24.5	6.5
W130146		1.33	0.005	0.05	6.73	138.5	960	2.46	0.14	0.78	0.14	75.8	2.6	13	24.4	6.7
W130147		2.54	0.114	0.35	6.27	89.2	720	1.56	2.36	0.44	0.02	39.2	0.7	11	5.89	4.9
W130148		1.44	0.011	0.20	6.34	19.2	780	1.38	1.30	0.56	<0.02	14.20	1.0	12	19.00	25.1
W130149		2.81	0.245	0.31	6.85	66.8	810	2.11	1.53	1.18	0.03	37.4	1.9	14	6.72	6.2
W130150		1.81	0.098	0.18	6.86	28.7	790	1.56	1.11	0.77	0.02	56.0	3.0	13	4.77	38.5

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 P ppm 10
W130001		2.08	14.50	0.23	6.2	0.039	2.39	46.4	26.6	0.29	353	1.70	3.12	11.5	2.6	320
W130002		8.14	20.5	0.19	2.4	0.062	0.83	16.5	14.5	4.06	1120	0.39	2.73	5.6	76.7	660
W130003		5.03	19.15	0.21	3.3	0.049	1.58	39.2	27.7	1.89	745	1.08	2.86	11.8	40.2	1160
W130004		3.56	16.50	0.20	5.2	0.024	1.62	25.0	34.0	1.18	379	0.56	4.08	10.4	32.5	680
W130005		4.61	18.00	0.30	5.3	0.035	2.38	72.3	53.8	1.99	817	0.50	3.21	11.0	41.2	2230
W130006		4.95	18.55	0.28	5.3	0.034	2.48	64.4	57.3	2.09	865	0.74	3.22	11.5	44.2	2060
W130007		4.80	17.40	0.23	0.6	0.082	0.24	7.0	4.3	0.81	450	0.17	2.76	8.4	1.8	2610
W130008		2.67	16.90	0.26	6.0	0.032	2.29	41.4	12.0	0.61	474	1.86	3.30	11.8	7.6	690
W130009		1.06	14.25	0.21	3.8	0.022	2.22	30.0	7.1	0.24	129	0.80	3.63	7.7	5.1	200
W130010		2.31	12.95	0.22	3.6	0.026	2.17	35.2	16.2	0.43	350	0.78	2.17	8.9	10.0	510
W130011		2.49	16.55	0.18	5.2	0.034	2.32	15.5	16.5	0.57	355	1.68	2.83	8.6	3.8	730
W130012		1.42	14.55	0.21	4.3	0.031	2.59	19.1	10.4	0.25	141	1.03	2.90	3.9	2.3	340
W130013		1.41	14.20	0.23	3.9	0.013	1.36	13.7	7.2	0.29	167	0.39	3.83	12.0	6.6	180
W130014		11.10	30.4	0.53	8.6	0.093	5.78	130.0	114.5	4.52	1200	0.19	0.97	19.8	104.0	5490
W130015		2.91	17.85	0.23	5.2	0.035	2.15	32.3	31.1	0.84	412	1.29	3.40	11.6	20.4	680
W130016		1.60	14.65	0.19	3.8	0.032	1.94	16.7	10.1	0.39	250	0.49	3.15	9.6	11.3	300
W130017		1.59	13.00	0.19	3.5	0.021	2.13	13.6	12.7	0.49	159	0.80	2.15	3.8	5.5	370
W130018		2.46	16.55	0.23	4.7	0.030	2.42	24.6	18.9	0.76	280	0.89	2.76	5.7	17.7	600
W130019		2.54	14.85	0.19	4.9	0.032	2.18	31.9	18.7	0.81	443	0.72	3.09	9.9	27.0	670
W130020		3.82	16.30	0.19	4.6	0.041	1.17	27.3	11.9	0.81	180	1.96	3.37	2.9	89.1	860
W130021		3.29	17.05	0.20	4.9	0.023	0.93	18.0	9.1	1.16	419	3.31	4.59	9.9	57.8	880
W130022		7.34	19.90	0.14	3.4	0.219	0.72	31.5	8.2	1.07	981	0.58	1.20	9.5	94.9	680
W130023		5.46	15.60	0.19	2.8	0.049	1.36	43.7	15.3	3.42	845	34.0	1.98	6.3	102.5	1140
W130024		3.80	18.15	0.22	3.7	0.045	1.42	21.5	14.9	1.54	601	0.74	3.18	8.1	43.5	740
W130025		3.61	16.95	0.18	2.4	0.035	1.79	20.8	14.2	1.34	425	1.48	2.81	7.6	37.3	670
W130026		4.01	21.2	0.18	2.8	0.046	0.22	19.0	3.8	1.55	683	0.16	2.88	5.4	55.6	570
W130027		7.62	23.5	0.14	2.9	0.171	0.77	48.9	12.1	1.30	714	0.42	0.43	7.0	50.9	750
W130028		2.74	15.45	0.16	4.4	0.036	1.25	27.5	9.1	0.97	361	0.51	3.31	7.7	20.2	440
W130029		3.42	16.45	0.16	4.1	0.029	1.52	20.9	12.6	1.32	451	0.44	3.41	8.6	30.6	680
W130030		7.32	21.4	0.11	2.6	0.075	0.88	10.0	12.3	2.59	633	0.43	2.08	4.3	60.7	1110
W130141		2.14	16.60	0.17	5.9	0.030	2.62	20.9	15.8	0.49	200	0.71	2.76	8.6	2.1	620
W130142		1.30	13.45	0.14	4.2	0.018	2.18	5.4	7.0	0.20	130	30.3	3.10	7.9	2.1	260
W130143		2.52	17.00	0.19	4.8	0.040	2.36	33.1	22.7	0.48	370	1.35	3.32	11.0	6.7	670
W130144		2.44	16.00	0.20	4.6	0.028	2.19	37.4	18.1	0.61	385	1.04	3.33	9.1	13.6	570
W130145		1.23	13.90	0.22	5.4	0.025	3.09	37.8	26.6	0.24	262	1.57	2.79	10.7	4.6	300
W130146		1.26	14.40	0.19	5.5	0.030	3.61	38.2	26.8	0.24	292	3.77	2.83	11.8	6.3	340
W130147		1.26	13.35	0.18	5.3	0.028	2.88	23.8	25.8	0.14	154	1.25	2.78	10.2	1.4	260
W130148		1.66	14.30	0.16	5.1	0.013	3.40	7.5	21.2	0.23	150	2.12	2.71	9.8	1.1	340
W130149		1.48	16.45	0.19	7.1	0.047	2.81	18.1	29.7	0.25	258	0.83	2.66	11.7	3.2	440
W130150		1.86	15.25	0.19	5.6	0.026	2.94	31.3	23.0	0.26	237	0.86	3.19	11.2	2.8	390

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

Finalized Date: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 U ppm 0.1
W130001		14.1	95.6	<0.002	0.47	1.64	6.3	1	2.1	145.0	0.99	<0.05	13.30	0.202	0.51	2.8
W130002		7.8	12.7	<0.002	0.52	0.09	22.2	1	1.3	428	0.42	<0.05	3.44	0.545	0.19	1.1
W130003		10.2	46.6	<0.002	0.05	0.06	17.6	1	1.4	370	1.04	<0.05	8.18	0.527	0.35	1.5
W130004		19.3	92.0	<0.002	0.85	0.23	11.0	1	1.6	623	0.81	<0.05	14.05	0.318	0.57	2.1
W130005		15.8	145.5	<0.002	0.47	0.25	14.0	1	2.0	472	0.90	<0.05	16.95	0.412	0.89	2.4
W130006		17.7	157.5	<0.002	0.56	0.24	14.1	1	2.1	475	0.93	<0.05	14.95	0.419	0.93	2.2
W130007		2.2	2.6	<0.002	0.01	<0.05	7.9	1	0.7	317	0.31	<0.05	0.25	0.705	0.02	0.1
W130008		13.5	71.8	<0.002	0.28	0.30	8.5	1	1.9	277	1.03	<0.05	13.05	0.320	0.34	2.1
W130009		19.3	51.8	<0.002	0.20	0.27	3.2	1	1.4	253	1.06	<0.05	20.3	0.105	0.22	5.7
W130010		10.5	73.4	<0.002	0.21	0.34	6.3	1	1.8	148.5	0.69	6.06	8.95	0.240	0.34	1.3
W130011		18.2	84.2	0.002	0.25	0.75	8.4	1	1.7	153.5	0.78	0.06	12.20	0.295	0.47	1.8
W130012		41.1	69.6	<0.002	0.35	0.50	4.5	1	1.2	103.5	0.56	<0.05	16.60	0.106	0.33	2.9
W130013		14.4	39.7	<0.002	0.42	0.24	2.8	1	0.8	173.0	1.96	<0.05	25.4	0.086	0.20	5.9
W130014		4.6	396	<0.002	0.45	0.27	26.3	2	7.2	150.0	0.81	<0.05	16.25	0.576	2.16	4.9
W130015		26.7	101.0	<0.002	0.24	0.25	9.2	1	2.0	207	0.97	<0.05	14.45	0.319	0.59	2.4
W130016		15.3	56.2	<0.002	0.16	0.20	4.1	1	1.5	102.5	1.34	<0.05	17.60	0.156	0.24	4.0
W130017		38.6	61.4	<0.002	0.30	0.31	5.0	1	1.6	70.1	0.39	0.16	14.85	0.122	0.22	2.3
W130018		14.4	83.3	<0.002	0.46	0.39	7.9	1	1.8	123.0	0.61	<0.05	11.65	0.244	0.42	1.5
W130019		15.2	82.1	<0.002	0.03	0.13	7.7	1	1.4	242	0.81	<0.05	9.79	0.288	0.49	2.0
W130020		11.0	53.9	<0.002	3.22	0.14	12.4	2	1.1	348	0.27	0.82	10.25	0.135	0.37	2.3
W130021		14.8	36.6	0.006	0.92	0.09	10.6	3	1.8	296	0.87	0.35	10.40	0.359	0.19	2.6
W130022		20.8	37.4	<0.002	2.93	0.43	9.0	3	3.2	306	0.78	0.36	9.00	0.340	0.22	2.6
W130023		12.1	43.8	<0.002	0.05	0.25	16.7	1	1.1	561	0.49	<0.05	7.58	0.403	0.31	1.8
W130024		7.2	39.6	0.002	0.05	0.20	11.3	1	1.5	354	0.63	<0.05	5.76	0.386	0.22	1.4
W130025		7.0	56.6	<0.002	0.05	0.16	10.0	1	1.3	254	0.63	<0.05	6.19	0.342	0.30	1.4
W130026		7.7	4.9	<0.002	0.05	0.93	11.9	1	0.8	682	0.45	<0.05	4.90	0.274	0.08	0.9
W130027		13.5	22.0	<0.002	1.05	1.71	14.4	1	83.6	1995	0.58	0.06	5.84	0.319	0.28	2.4
W130028		7.2	38.4	<0.002	0.22	0.22	7.5	1	2.7	253	0.67	0.07	7.46	0.310	0.21	1.2
W130029		7.3	46.9	<0.002	0.14	0.28	10.2	1	2.3	273	0.68	<0.05	7.93	0.346	0.28	1.3
W130030		5.5	38.3	<0.002	1.37	0.18	19.7	1	9.0	235	0.35	0.29	2.39	0.353	0.24	0.8
W130141		11.6	93.8	<0.002	0.37	0.82	8.2	1	1.9	133.5	0.82	<0.05	12.60	0.283	0.55	2.6
W130142		11.6	63.5	<0.002	0.07	0.29	3.5	1	1.8	144.0	1.10	0.46	16.80	0.128	0.30	3.1
W130143		15.3	91.1	<0.002	0.47	0.34	8.2	1	1.9	205	0.87	<0.05	10.25	0.312	0.53	1.8
W130144		12.8	84.0	<0.002	0.58	0.38	7.1	1	1.7	181.5	0.76	<0.05	10.45	0.276	0.37	1.9
W130145		46.2	133.5	<0.002	0.01	5.15	5.1	1	2.1	103.5	0.90	<0.05	13.50	0.170	0.73	2.4
W130146		35.8	153.0	<0.002	0.04	3.81	5.6	1	2.3	114.0	1.00	<0.05	13.45	0.179	0.81	2.4
W130147		18.8	118.5	<0.002	0.07	0.47	4.0	1	1.6	72.2	1.21	0.21	16.90	0.137	0.59	3.1
W130148		15.9	130.0	<0.002	0.14	0.65	5.4	1	2.0	106.5	0.84	0.11	12.10	0.199	0.75	2.9
W130149		19.3	119.0	<0.002	0.42	0.43	6.3	1	2.2	87.5	1.13	0.10	17.15	0.221	0.60	2.3
W130150		14.7	122.0	<0.002	0.19	0.48	5.8	1	2.0	110.5	0.96	0.09	14.20	0.217	0.72	2.7

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method Analyte Units LOR	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
W130001		15	8.7	21.7	29	235
W130002		192	0.3	18.7	113	89.3
W130003		132	0.2	24.5	86	127.0
W130004		71	0.8	14.2	79	192.0
W130005		100	1.2	24.9	129	205
W130006		103	0.8	21.7	132	207
W130007		43	<0.1	11.2	101	21.5
W130008		49	5.9	22.4	49	222
W130009		19	4.2	14.9	23	108.0
W130010		35	15.7	16.1	42	136.5
W130011		49	28.0	16.6	59	197.0
W130012		26	19.3	9.6	55	139.5
W130013		14	2.1	13.4	17	87.2
W130014		173	0.5	44.0	204	367
W130015		57	0.8	19.2	61	196.5
W130016		25	6.6	11.5	17	113.5
W130017		27	20.4	7.3	28	125.0
W130018		51	38.8	14.3	49	176.5
W130019		49	1.2	16.3	53	178.5
W130020		80	0.9	13.3	42	165.5
W130021		84	0.8	17.3	64	177.5
W130022		87	0.6	17.5	56	122.5
W130023		130	0.4	15.1	98	109.5
W130024		88	3.7	14.3	71	136.5
W130025		75	1.2	13.1	63	72.4
W130026		99	1.0	10.5	36	103.0
W130027		134	30.1	16.1	36	105.0
W130028		58	3.3	13.1	36	154.5
W130029		73	1.5	16.7	46	155.0
W130030		137	114.0	15.9	60	98.1
W130141		43	13.3	21.2	27	217
W130142		18	5.1	12.4	12	121.5
W130143		49	1.7	17.1	43	173.5
W130144		45	26.4	16.7	36	168.5
W130145		11	0.4	17.9	59	185.0
W130146		11	0.4	20.0	71	186.5
W130147		12	11.1	12.2	17	163.5
W130148		20	20.2	10.9	18	176.5
W130149		21	27.2	21.8	20	245
W130150		22	5.5	17.5	24	206

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

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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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	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	ME-MS61 Cu ppm 0.2
W130181		0.36	<0.005	0.03	8.75	7.6	1540	2.24	0.03	1.47	0.03	109.0	20.8	42	8.12	0.8
W130182		0.64	0.005	0.05	7.26	27.6	1970	2.11	0.06	0.99	0.08	75.5	12.0	9	1.64	91.6
W130183		0.97	0.554	0.03	6.81	76.9	920	1.82	0.04	0.78	<0.02	61.5	7.5	15	1.09	13.6
W130184		0.65	<0.005	0.05	6.34	21.2	1050	1.31	0.05	1.36	0.08	60.5	7.2	37	1.99	7.2
W130185		1.23	0.141	2.16	3.28	8.3	340	0.75	5.18	0.61	0.22	23.9	3.2	30	0.85	9.0
W130186		0.71	<0.005	0.05	6.69	5.3	700	1.35	0.14	1.83	0.07	72.4	8.4	34	2.08	15.7
W130187		0.58	0.224	0.21	7.25	751	750	1.71	0.12	1.32	0.09	81.3	5.1	14	0.85	10.8
W130188		0.49	0.153	0.14	7.04	129.5	560	1.56	0.13	1.41	0.25	82.5	5.6	14	1.18	10.7
W130189		1.02	0.016	0.07	6.23	129.5	430	2.18	0.28	0.26	0.04	70.9	1.3	13	2.73	5.7
W130190		0.78	0.005	0.04	4.45	1.7	690	0.74	0.14	0.93	0.02	38.3	4.2	22	1.40	38.3
W130191		1.93	0.611	0.42	6.14	733	890	1.74	0.30	0.82	<0.02	24.0	1.7	15	2.33	2.5
W130192		1.15	0.539	0.10	6.15	895	730	1.77	0.27	0.91	<0.02	25.0	2.1	11	2.19	3.1
W130193		0.66	<0.005	0.14	6.66	7.2	250	0.80	0.70	3.36	0.16	36.6	31.3	71	4.88	89.6
W130194		0.71	0.023	0.10	5.73	47.0	1120	1.49	0.15	0.62	<0.02	61.2	2.1	11	5.82	17.1
W130195		1.01	<0.005	0.02	6.17	2.4	110	0.40	0.15	6.61	0.09	8.50	45.1	221	0.60	53.3
W130196		0.56	<0.005	0.06	7.65	1.0	190	1.12	0.10	4.62	0.08	32.1	14.4	71	0.58	9.8
W130197		0.49	<0.005	0.03	7.60	1.4	590	1.23	0.10	4.03	0.14	63.2	17.8	16	2.61	14.5
W130198		0.76	0.016	0.08	6.92	27.4	820	1.27	0.11	2.22	0.08	68.1	9.1	48	2.34	21.0
W130199		0.81	<0.005	0.03	6.94	3.2	790	1.34	0.26	1.33	0.04	51.3	7.9	44	2.04	4.6
W130200		0.93	0.236	0.21	6.73	91.6	650	1.38	0.38	1.72	0.04	11.25	5.0	35	1.75	5.2
W130231		1.70	0.094	0.52	7.07	50.2	1070	1.80	1.17	1.32	0.06	60.8	9.0	42	0.50	2.7
W130232		1.29	0.035	0.17	7.05	35.6	730	1.33	0.39	1.74	0.24	60.5	8.7	43	0.71	8.6
W130233		1.18	0.031	0.23	6.41	38.0	670	1.38	0.37	1.81	0.14	63.9	8.5	42	1.23	25.3
W130234		1.18	<0.005	0.13	6.94	6.9	750	1.04	0.21	1.47	0.08	69.6	9.5	44	2.11	23.4
W130235		0.92	0.006	0.17	7.44	44.9	1070	2.74	0.14	1.84	0.13	40.0	11.6	42	1.80	10.1
W130236		1.06	0.585	0.03	7.14	10.6	910	1.46	0.06	1.46	<0.02	26.8	5.6	12	2.16	22.4
W130237		0.75	0.006	<0.01	6.37	12.0	760	1.63	0.04	1.20	<0.02	59.6	3.9	14	2.20	9.8
W130238		0.66	<0.005	0.01	0.67	0.7	30	0.10	0.09	0.04	<0.02	4.62	0.3	16	0.96	1.4
W130239		1.70	0.075	0.05	7.06	18.0	870	1.96	0.14	0.96	0.05	73.4	4.2	12	3.59	15.7
W130240		1.46	0.011	0.13	7.12	12.9	990	2.22	0.09	0.90	<0.02	100.0	3.4	11	2.32	5.2
W130241		1.02	0.026	0.08	7.02	6.7	760	1.97	0.84	0.95	0.06	55.8	4.5	15	2.50	58.7
W130242		1.23	0.054	0.12	7.13	20.3	820	2.09	0.57	1.06	0.02	53.3	3.4	14	4.05	19.5
W130243		0.90	0.107	0.15	7.16	673	1000	1.84	0.11	1.01	0.13	29.5	3.1	12	1.48	8.1
W130244		1.51	0.025	0.02	6.74	11.8	910	1.59	0.19	0.43	<0.02	51.7	1.5	10	1.55	18.7
W130245		0.74	<0.005	0.07	7.61	8.4	80	0.32	0.17	4.54	0.02	10.30	103.0	114	3.80	635
W130246		2.35	<0.005	0.05	4.63	11.0	130	0.20	0.33	3.15	0.07	6.95	98.7	1480	10.60	264
W130247		1.30	0.217	0.06	7.29	2370	710	1.39	0.08	1.52	0.07	96.2	6.3	17	1.28	14.3
W130248		2.15	0.115	0.02	7.24	16.4	870	1.76	0.06	1.45	0.04	75.6	5.8	16	1.28	12.2
W130249		2.16	0.179	0.02	6.60	38.8	670	1.21	0.08	1.11	<0.02	15.00	2.9	18	1.60	2.7
W130250		1.79	0.246	0.01	7.12	18.0	780	1.90	0.08	1.48	<0.02	17.15	7.4	14	1.33	9.9

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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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 P ppm 10
W130181		7.15	27.9	0.31	6.8	0.062	5.08	49.7	79.6	2.04	847	0.05	3.00	22.1	32.8	750
W130182		4.04	15.70	0.25	5.7	0.020	3.81	33.5	18.7	0.27	349	1.53	2.56	12.3	13.0	240
W130183		2.48	16.15	0.24	6.3	0.027	2.84	31.0	11.4	0.30	191	0.98	2.91	12.9	3.6	390
W130184		2.16	13.45	0.24	3.9	0.023	2.58	30.6	31.9	0.70	359	0.61	2.72	8.6	24.7	440
W130185		1.33	7.73	0.18	2.3	0.016	1.07	11.8	9.2	0.33	140	0.31	1.33	4.1	7.1	200
W130186		2.46	15.40	0.24	4.7	0.028	2.16	34.1	21.2	0.79	416	0.75	2.95	10.1	19.7	520
W130187		2.45	16.75	0.24	6.0	0.035	2.42	41.0	22.0	0.48	452	2.50	3.14	8.8	7.1	680
W130188		2.26	16.05	0.24	4.9	0.025	1.82	41.5	21.1	0.51	403	0.80	3.44	7.0	6.7	570
W130189		0.89	14.45	0.22	4.5	0.015	3.64	37.1	14.0	0.06	142	1.08	2.79	11.0	1.3	70
W130190		1.43	9.08	0.16	2.4	0.005	1.49	18.3	15.4	0.31	173	0.22	1.73	4.2	6.6	300
W130191		1.75	14.10	0.17	5.6	0.037	2.98	9.6	20.8	0.30	272	0.81	2.53	8.5	2.6	400
W130192		2.00	14.50	0.20	4.5	0.036	2.32	10.9	21.8	0.33	250	1.15	2.68	6.2	2.1	320
W130193		6.30	14.15	0.19	2.0	0.051	1.35	13.4	45.2	3.06	949	2.81	2.13	6.5	67.2	280
W130194		1.78	12.85	0.22	4.9	0.029	3.09	31.2	23.7	0.23	268	0.88	1.96	8.8	3.2	320
W130195		7.96	14.20	0.06	0.8	0.054	0.41	4.1	14.7	4.87	1420	0.34	1.93	1.6	105.0	180
W130196		4.53	17.30	0.06	2.1	0.041	0.62	14.0	13.8	1.35	1100	0.30	2.88	9.5	35.7	830
W130197		4.46	18.60	0.12	2.6	0.068	1.41	26.0	33.0	1.77	819	0.46	2.83	8.4	17.6	870
W130198		2.68	16.40	0.12	5.1	0.035	2.46	35.1	15.0	0.90	448	0.40	2.90	10.1	25.9	600
W130199		2.74	15.70	0.12	4.6	0.031	2.35	26.9	17.4	0.94	358	0.27	3.27	9.5	27.2	590
W130200		2.56	15.85	0.08	4.9	0.038	1.82	4.7	17.6	0.79	377	0.99	2.64	9.1	15.5	590
W130231		2.86	16.55	0.11	4.7	0.037	2.31	31.1	16.8	0.87	344	0.63	2.75	6.7	27.5	540
W130232		2.32	16.35	0.13	4.3	0.040	1.87	31.5	19.1	0.95	437	0.28	3.22	8.5	27.8	560
W130233		2.36	13.65	0.12	4.0	0.026	1.82	34.4	16.5	0.88	392	0.18	2.88	6.6	25.6	530
W130234		2.66	16.00	0.13	4.1	0.030	2.12	35.7	18.0	0.97	441	0.21	3.10	8.6	30.1	560
W130235		2.66	17.70	0.09	5.2	0.041	2.32	15.1	19.4	1.06	391	0.98	3.79	11.1	27.7	660
W130236		2.69	18.00	0.10	6.5	0.047	2.26	10.5	16.8	0.54	446	0.86	3.13	12.5	5.1	630
W130237		2.19	14.60	0.13	5.6	0.030	2.09	30.1	19.5	0.45	368	0.44	2.72	11.2	5.2	550
W130238		0.39	1.26	0.06	0.5	<0.005	0.49	2.5	1.6	0.03	51	0.24	0.19	1.5	1.0	10
W130239		1.99	16.35	0.15	6.0	0.038	2.58	37.0	13.8	0.33	336	0.78	3.34	12.1	5.1	400
W130240		2.11	17.85	0.16	6.8	0.033	2.81	51.3	21.9	0.39	306	1.93	2.98	13.1	3.5	480
W130241		2.16	17.60	0.15	5.5	0.020	3.26	26.8	11.5	0.41	194	1.22	3.28	11.8	4.3	490
W130242		2.20	17.40	0.12	6.3	0.040	2.72	25.7	25.9	0.37	282	1.58	3.25	13.5	3.9	490
W130243		2.00	17.70	0.11	5.9	0.046	3.09	13.4	15.2	0.35	277	1.10	2.93	10.7	3.3	540
W130244		1.48	15.35	0.14	5.5	0.018	3.44	25.4	24.1	0.21	176	1.51	3.13	12.2	1.7	300
W130245		10.70	14.10	0.11	0.6	0.036	0.21	5.2	8.5	5.08	1740	0.11	1.68	1.1	217	270
W130246		13.80	10.35	0.06	0.5	0.053	0.65	3.4	10.7	8.53	2160	0.14	0.86	1.0	297	180
W130247		2.64	16.15	0.14	5.7	0.042	2.19	49.4	16.8	0.57	396	1.75	3.25	10.2	7.2	690
W130248		2.40	17.60	0.13	5.9	0.039	2.54	37.3	11.8	0.56	436	1.88	3.13	13.6	7.5	700
W130249		2.38	15.70	0.09	5.4	0.032	2.07	7.8	9.6	0.43	252	1.15	2.89	11.2	3.7	560
W130250		3.08	17.35	0.10	5.6	0.033	1.99	7.3	13.9	0.56	321	1.32	3.04	12.4	5.9	630

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 U ppm 0.1
W130181		7.0	221	<0.002	0.01	0.34	20.6	2	5.8	265	1.15	<0.05	12.25	0.742	1.81	2.8
W130182		24.3	135.0	<0.002	0.47	0.60	5.8	2	1.5	162.5	1.06	0.06	13.75	0.221	0.57	3.5
W130183		6.7	101.0	<0.002	0.52	0.26	7.3	1	2.0	105.0	1.13	<0.05	13.00	0.222	0.44	3.1
W130184		21.7	94.0	<0.002	0.02	0.24	6.3	1	1.5	186.0	0.71	<0.05	9.55	0.222	0.57	1.1
W130185		167.5	41.8	<0.002	0.11	0.17	3.2	1	1.0	64.4	0.45	0.40	6.17	0.114	0.23	1.5
W130186		14.3	89.3	<0.002	0.24	0.13	7.0	1	1.7	160.5	0.93	<0.05	12.35	0.269	0.54	2.0
W130187		16.1	83.8	<0.002	0.37	1.37	8.5	1	1.7	168.0	0.76	<0.05	14.45	0.293	0.50	2.8
W130188		20.1	71.9	<0.002	0.76	0.72	7.1	1	1.7	132.0	0.61	<0.05	11.25	0.236	0.36	2.0
W130189		27.0	151.5	<0.002	0.07	0.57	2.1	1	1.4	43.7	1.30	0.09	20.0	0.068	0.69	3.1
W130190		7.5	51.1	<0.002	0.07	0.06	2.6	1	0.5	148.5	0.31	<0.05	7.28	0.119	0.28	1.3
W130191		12.2	122.5	<0.002	0.44	0.30	5.5	1	1.8	98.0	0.74	<0.05	11.70	0.202	0.59	2.1
W130192		9.7	103.5	<0.002	0.62	0.37	5.2	1	1.7	84.9	0.58	0.05	9.71	0.169	0.53	2.3
W130193		6.2	44.7	<0.002	0.10	0.10	23.1	2	1.5	169.0	0.84	0.08	8.39	0.401	0.30	2.0
W130194		17.1	127.0	<0.002	0.11	0.45	5.2	1	1.8	106.0	0.95	<0.05	15.85	0.167	0.71	4.0
W130195		4.1	8.8	<0.002	0.01	0.11	35.7	1	0.7	180.0	0.18	<0.05	0.93	0.337	0.07	0.4
W130196		8.0	13.3	<0.002	<0.01	0.05	11.5	1	1.2	170.0	1.13	<0.05	3.79	0.317	0.10	1.6
W130197		8.7	48.9	<0.002	0.03	0.08	17.7	1	1.4	446	0.52	<0.05	3.95	0.432	0.46	0.8
W130198		20.0	89.4	<0.002	0.09	0.21	8.0	1	1.9	245	0.90	<0.05	11.35	0.289	0.56	1.5
W130199		19.1	97.5	<0.002	0.52	0.36	7.9	1	1.7	220	0.86	0.05	11.80	0.279	0.55	1.6
W130200		37.8	76.3	<0.002	0.74	0.23	7.3	1	2.0	141.5	0.96	0.17	13.15	0.274	0.41	1.6
W130231		37.8	69.5	<0.002	1.32	0.25	7.8	1	2.0	177.0	0.71	0.19	12.00	0.232	0.38	2.6
W130232		38.6	59.3	<0.002	0.68	0.28	7.8	1	1.7	208	0.90	0.08	11.95	0.255	0.34	2.6
W130233		21.5	61.3	<0.002	0.69	0.30	6.8	1	1.5	259	0.58	<0.05	10.00	0.241	0.35	1.7
W130234		20.5	84.3	0.002	0.10	0.15	8.0	1	1.6	219	0.75	<0.05	11.50	0.277	0.49	2.2
W130235		68.7	80.1	<0.002	0.60	0.38	9.4	1	2.2	517	0.96	<0.05	12.55	0.301	0.56	2.9
W130236		9.7	97.3	<0.002	0.19	0.23	8.6	1	2.5	212	1.06	0.07	11.20	0.319	0.56	2.9
W130237		7.6	93.7	<0.002	0.03	0.25	7.1	1	1.6	201	0.93	<0.05	9.80	0.277	0.51	2.7
W130238		1.9	10.6	<0.002	<0.01	<0.05	0.3	<1	0.2	9.4	0.40	<0.05	3.16	0.016	0.05	1.0
W130239		20.0	107.5	<0.002	0.16	0.34	6.0	1	2.0	146.5	1.07	<0.05	15.10	0.241	0.54	2.8
W130240		13.7	122.5	<0.002	0.07	0.44	7.3	1	1.9	119.5	1.21	<0.05	16.30	0.258	0.64	4.0
W130241		32.8	117.5	<0.002	0.41	0.26	6.7	2	2.9	167.5	1.02	0.07	13.55	0.268	0.59	3.2
W130242		17.9	120.0	<0.002	0.37	0.30	7.8	1	2.5	161.5	1.01	0.06	13.20	0.266	0.67	2.5
W130243		29.1	102.5	<0.002	0.30	0.94	7.1	1	2.1	132.0	0.95	0.06	14.15	0.278	0.52	2.8
W130244		9.4	117.5	<0.002	0.11	0.33	6.0	1	2.3	109.0	1.03	<0.05	14.20	0.183	0.56	3.6
W130245		1.3	7.2	0.008	1.45	0.91	33.5	4	0.2	229	0.09	0.12	0.95	0.144	0.06	0.2
W130246		1.5	28.9	0.002	0.44	1.82	44.1	2	0.3	134.0	0.07	<0.05	0.70	0.434	0.22	0.2
W130247		13.3	82.1	0.002	0.51	1.07	8.1	1	1.9	164.0	0.89	<0.05	14.90	0.307	0.41	3.3
W130248		8.6	85.7	<0.002	0.13	0.25	8.4	1	2.6	189.5	1.08	<0.05	12.70	0.325	0.38	3.0
W130249		8.9	94.7	<0.002	0.24	0.16	7.0	1	2.3	131.5	0.96	<0.05	11.75	0.265	0.46	2.0
W130250		7.8	81.1	<0.002	0.65	0.16	8.2	1	2.9	161.0	1.03	<0.05	11.40	0.311	0.40	2.3

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method Analyte Units LOR	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
W130181		132	0.8	29.2	92	261
W130182		28	0.6	30.5	22	203
W130183		22	4.7	19.6	14	228
W130184		40	0.3	13.9	58	138.5
W130185		21	14.6	7.9	39	79.1
W130186		46	16.3	16.2	57	169.5
W130187		44	14.1	22.2	35	218
W130188		39	28.3	18.2	67	177.5
W130189		5	1.3	15.8	18	120.5
W130190		20	0.3	5.8	23	93.0
W130191		21	21.3	14.1	18	207
W130192		21	22.9	12.1	19	169.0
W130193		185	0.2	22.3	128	52.8
W130194		20	2.4	12.0	26	163.5
W130195		250	0.1	12.2	94	23.1
W130196		73	0.1	22.9	83	67.8
W130197		114	0.3	23.4	83	93.9
W130198		52	1.9	17.4	58	180.0
W130199		53	1.5	15.8	48	164.5
W130200		51	34.1	14.7	78	174.0
W130231		50	8.6	15.7	41	166.5
W130232		50	7.4	16.5	58	152.5
W130233		44	43.2	14.1	45	143.5
W130234		53	22.3	16.6	55	147.5
W130235		77	10.0	16.7	115	195.0
W130236		46	15.1	17.8	38	235
W130237		37	2.9	18.6	34	211
W130238		1	0.2	1.1	2	13.3
W130239		29	2.7	19.0	31	216
W130240		28	1.0	21.6	32	247
W130241		36	8.8	21.7	34	205
W130242		30	4.9	24.4	34	234
W130243		39	9.8	15.0	60	215
W130244		14	7.1	24.2	15	194.5
W130245		65	0.1	6.8	85	22.1
W130246		254	0.4	6.0	142	15.8
W130247		48	24.8	23.8	53	207
W130248		42	1.6	25.2	45	214
W130249		37	26.0	15.7	24	203
W130250		41	15.6	21.4	30	206

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au g/t 0.005	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	ME-MS61 Cu ppm 0.2
W130251		0.96	1.745	0.47	7.10	4590	770	1.66	0.64	0.45	<0.02	55.0	2.0	13	0.79	1.1
W130252		1.01	0.829	0.14	4.26	3520	330	1.83	0.77	0.93	<0.02	36.3	2.3	10	0.43	1.3
W130253		1.87	0.135	0.20	6.82	103.5	960	1.80	0.32	0.71	<0.02	19.90	2.4	11	0.93	4.2
W130254		1.17	0.290	0.31	6.89	303	910	1.95	0.57	0.72	<0.02	65.4	3.0	11	0.81	59.8
W130255		1.11	<0.005	0.02	6.49	2.7	150	0.64	0.03	1.81	0.05	122.5	6.4	9	0.17	1.7
W130256		1.35	0.879	0.18	7.31	113.5	890	2.27	0.11	1.04	<0.02	21.0	3.5	13	1.29	1.2
W130257		0.72	0.006	0.03	6.60	17.6	730	1.86	0.09	1.64	<0.02	95.8	7.4	10	2.58	25.2
W130258		1.08	<0.005	<0.01	5.77	5.4	360	1.58	0.05	0.22	<0.02	36.3	1.9	6	8.11	2.4
W130259		1.08	0.016	0.04	3.42	19.0	70	0.27	0.30	4.55	0.08	7.91	80.4	1000	23.6	81.4
W130260		1.93	<0.005	0.02	6.32	7.1	150	1.76	0.32	0.52	0.09	116.5	4.4	41	1.95	23.7
W130261		1.07	<0.005	0.03	4.89	36.8	190	0.17	0.13	3.65	0.07	5.56	88.8	1730	62.4	22.7
W130262		1.54	0.013	0.09	7.75	54.7	190	1.24	0.74	0.90	0.04	149.5	34.0	19	3.94	200
W130263		0.56	<0.005	0.01	5.34	47.7	200	0.47	0.14	3.27	0.05	3.33	92.6	1200	30.9	2.3
W130264		1.20	0.015	0.08	7.27	29.3	830	1.12	0.10	0.86	0.05	87.2	5.9	15	0.74	73.3
W130265		1.22	0.195	0.07	7.46	42.1	960	1.62	0.11	0.77	<0.02	52.3	4.4	18	1.05	5.9
W130266		1.34	0.029	0.02	7.55	9.6	800	1.17	0.05	1.15	<0.02	93.4	7.0	13	1.82	40.5
W130267		2.82	0.010	0.07	3.96	25.5	880	0.74	0.05	0.69	<0.02	35.6	14.5	25	0.56	27.6
W130268		1.15	0.109	0.03	7.18	15.6	750	1.31	0.06	1.39	0.09	22.1	4.8	14	1.45	12.3
W130269		2.19	0.279	0.06	6.20	103.5	500	1.77	0.09	0.45	<0.02	8.52	2.2	9	0.33	12.5
W130270		1.28	1.080	0.09	7.06	30.5	820	1.51	0.12	1.36	0.04	13.20	3.0	14	1.02	4.5
W130271		1.88	0.015	0.10	5.27	20.4	320	1.06	0.10	0.37	0.02	22.3	1.3	19	0.38	4.0
W130272		1.30	1.245	0.12	7.20	90.2	920	1.64	0.11	1.45	0.02	40.6	5.2	14	1.02	4.2
W130273		2.94	<0.005	0.01	6.85	5.5	490	1.32	0.02	1.08	0.03	58.5	6.6	20	2.09	3.4
W130274		1.44	0.310	0.08	7.56	46.3	1130	1.53	0.08	1.22	0.05	38.8	6.1	14	0.61	4.5
W130275		1.65	0.007	0.03	7.26	89.1	910	1.55	0.06	1.31	0.74	82.2	2.4	14	1.27	26.8
W130276		1.36	0.084	0.11	7.40	13.1	730	1.91	0.10	1.62	0.02	28.1	3.7	13	1.62	26.1
W130277		1.94	0.006	0.20	6.79	27.0	400	0.70	0.04	1.30	0.02	106.5	14.4	22	1.26	533
W130278		1.32	0.010	0.02	6.31	17.6	510	1.43	0.06	0.98	0.03	110.0	0.4	7	0.24	17.2
W130279		0.96	<0.005	0.01	4.81	2.0	200	1.23	0.01	0.78	0.02	26.0	4.6	16	0.85	2.4
W130280		1.80	0.009	0.15	7.54	1.9	10	0.10	0.17	8.03	0.18	5.00	45.5	268	0.06	111.5
W130281		1.76	0.229	0.23	6.58	57.7	780	0.35	0.89	0.57	0.02	31.0	14.8	37	1.27	3.0
W130282		1.14	0.028	1.60	6.97	1.7	330	0.67	15.55	2.63	0.53	42.1	18.8	78	1.46	159.0
W130283		2.14	0.006	0.06	6.86	2.4	500	0.51	1.30	4.41	0.08	38.0	22.1	127	1.43	36.6
W130284		0.95	0.041	0.04	3.09	2.4	100	0.35	0.15	0.73	0.03	17.55	17.8	60	0.30	4.2
W130285		1.65	0.006	0.12	7.83	1.4	1740	0.78	0.69	2.75	0.11	47.9	7.4	24	2.77	61.4
W130286		1.89	0.017	0.03	7.18	7.9	910	0.91	0.17	1.05	0.02	27.8	10.6	54	0.88	21.6
W130287		3.33	0.447	0.23	5.69	10.7	380	0.88	0.08	1.72	0.06	21.3	5.8	50	0.55	15.2
W130288		1.69	1.280	1.40	0.96	134.5	90	0.12	0.26	0.11	0.82	2.53	10.8	21	0.13	18.6
W130289		4.53	0.383	0.20	5.10	6.8	840	0.72	0.10	1.23	0.14	36.9	15.4	54	0.36	78.1
W130290		1.87	0.530	0.34	5.13	7.3	970	0.62	0.07	0.91	0.13	35.8	8.7	47	0.27	97.5

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 P ppm 10
W130251		2.00	18.95	0.10	6.8	0.038	3.39	27.6	21.4	0.28	114	3.01	0.78	9.9	2.0	360
W130252		2.13	10.45	0.09	3.8	0.020	1.34	19.1	13.1	0.20	173	1.53	0.91	7.2	2.5	240
W130253		1.84	16.30	0.11	6.1	0.038	3.43	10.1	11.2	0.24	310	1.22	2.49	11.0	2.2	340
W130254		2.69	17.25	0.15	5.9	0.049	2.45	35.5	8.9	0.24	278	2.02	3.00	11.5	2.5	400
W130255		3.79	15.95	0.18	5.2	0.070	0.26	63.7	5.1	0.41	698	8.22	3.24	9.0	2.8	300
W130256		2.27	20.5	0.12	5.7	0.039	3.39	11.2	19.9	0.40	207	1.18	2.68	4.7	3.8	510
W130257		2.84	16.50	0.19	6.4	0.047	2.29	47.4	21.6	0.46	453	0.88	2.84	13.7	4.2	380
W130258		1.09	13.85	0.10	7.6	0.017	1.11	17.5	6.3	0.15	78	1.18	3.13	13.5	7.8	60
W130259		14.30	8.81	0.12	1.0	0.082	0.43	3.0	6.2	8.07	3470	0.19	0.74	2.2	296	290
W130260		1.73	15.15	0.16	7.5	0.025	0.08	60.6	1.4	0.15	157	1.86	4.92	15.4	7.1	40
W130261		11.70	9.41	0.06	0.6	0.054	1.76	1.8	16.9	10.35	2180	1.25	0.64	1.9	550	110
W130262		3.23	17.95	0.15	11.4	0.023	0.34	84.8	5.7	0.70	408	4.03	5.08	18.0	82.2	210
W130263		12.15	11.75	0.11	0.4	0.073	1.29	1.9	20.5	8.90	2110	0.86	0.48	1.0	436	80
W130264		2.01	17.10	0.13	6.1	0.024	2.86	44.8	6.6	0.35	299	1.84	3.31	12.5	6.4	410
W130265		2.10	18.50	0.12	6.2	0.036	3.27	25.0	9.7	0.35	213	1.37	2.99	11.8	4.5	420
W130266		2.77	17.80	0.19	5.5	0.035	2.70	47.4	13.3	0.54	394	2.22	3.45	13.7	7.3	710
W130267		1.95	7.85	0.10	2.7	0.020	1.63	15.9	5.7	0.25	177	2.74	1.29	5.7	7.3	600
W130268		2.74	16.85	0.09	5.5	0.033	2.27	7.7	8.3	0.52	272	1.32	3.04	11.9	5.1	660
W130269		0.95	15.35	0.09	5.2	0.014	1.88	3.4	3.9	0.10	64	1.84	3.72	14.3	1.0	120
W130270		2.17	17.00	0.13	5.8	0.034	2.87	7.0	9.5	0.57	258	1.78	2.50	6.3	3.0	710
W130271		0.95	11.75	0.09	4.0	0.012	1.40	9.0	6.3	0.22	86	0.43	3.04	9.5	2.8	50
W130272		2.53	19.15	0.11	5.2	0.044	2.90	21.1	13.3	0.54	288	0.80	2.89	7.4	5.7	690
W130273		2.77	15.75	0.15	4.6	0.045	1.72	28.9	31.6	0.62	503	0.90	3.43	9.9	7.4	590
W130274		2.72	18.15	0.13	5.5	0.044	3.05	16.4	10.4	0.57	326	1.17	2.86	8.2	6.7	810
W130275		2.26	17.95	0.17	6.2	0.063	2.82	39.9	12.7	0.47	415	1.40	3.13	12.8	6.7	580
W130276		2.96	19.55	0.15	6.5	0.022	2.09	21.8	13.4	0.56	300	1.09	2.96	14.4	2.0	680
W130277		13.55	30.7	0.23	1.3	0.112	1.41	43.1	27.1	1.74	1520	2.37	1.40	25.3	25.2	20
W130278		1.63	17.35	0.20	6.9	0.052	1.79	56.3	5.3	0.02	291	1.16	2.94	17.8	0.7	40
W130279		2.61	12.50	0.13	5.6	0.022	0.99	8.8	18.5	0.31	308	34.1	2.24	9.7	5.9	120
W130280		7.94	14.90	0.11	0.8	0.057	0.10	2.0	6.3	4.87	1380	0.17	0.82	1.0	127.5	210
W130281		3.03	9.32	0.13	3.6	0.018	5.32	17.9	4.2	0.46	141	3.33	0.67	6.7	20.5	580
W130282		4.94	18.40	0.13	3.4	0.103	0.70	21.0	17.8	2.14	1160	1.01	1.96	6.2	45.6	630
W130283		5.66	18.85	0.12	2.9	0.138	0.74	19.6	20.1	2.45	1300	0.29	1.47	5.4	59.6	590
W130284		1.75	5.97	0.10	1.1	0.016	0.17	8.6	7.7	0.88	288	0.14	1.26	2.3	27.7	250
W130285		3.68	18.85	0.14	3.7	0.058	2.28	23.8	18.6	0.96	570	0.88	1.81	7.2	15.6	570
W130286		2.53	15.90	0.14	3.2	0.018	2.38	14.5	8.6	1.01	213	0.42	1.97	6.5	27.2	420
W130287		1.64	11.95	0.13	2.8	0.008	0.85	11.3	4.5	0.50	172	1.42	2.13	5.5	13.9	290
W130288		0.84	2.28	0.08	0.4	0.005	0.28	1.7	1.8	0.15	54	2.04	0.24	1.1	2.7	50
W130289		2.12	11.65	0.13	2.3	0.014	1.80	19.9	6.5	0.49	195	0.52	0.66	5.0	19.1	310
W130290		1.88	11.70	0.12	2.2	0.014	1.87	20.3	6.4	0.36	136	0.55	0.79	5.0	14.3	300

***** 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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method / Analyte / Units / LOR	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	ME-MS61 U ppm 0.1
W130251		7.9	146.0	<0.002	1.00	3.14	7.5	1	4.2	39.3	0.68	0.18	16.10	0.213	0.65	4.2
W130252		8.4	60.3	<0.002	1.52	1.56	4.2	1	1.8	64.7	0.59	0.56	8.82	0.131	0.31	2.0
W130253		17.2	117.0	<0.002	0.48	1.32	6.6	1	4.0	120.0	0.94	0.08	14.15	0.207	0.67	2.6
W130254		15.3	94.1	<0.002	0.69	0.77	7.4	1	4.0	93.8	0.96	<0.05	13.95	0.211	0.52	3.6
W130255		2.9	5.6	0.002	<0.01	<0.05	10.8	1	0.6	185.0	0.40	<0.05	6.27	0.262	0.04	0.6
W130256		24.9	123.5	<0.002	1.21	0.65	7.5	1	2.0	82.9	0.44	<0.05	13.30	0.174	0.59	2.2
W130257		11.2	114.5	<0.002	0.16	0.35	7.8	1	2.9	138.5	1.30	<0.05	16.30	0.238	0.65	2.6
W130258		2.9	39.6	<0.002	<0.01	0.48	5.5	1	0.5	71.1	1.28	<0.05	14.20	0.072	0.16	3.8
W130259		1.0	34.4	<0.002	0.05	3.76	62.7	1	1.4	79.5	0.15	0.06	1.01	0.713	0.20	0.3
W130260		6.4	4.5	<0.002	0.01	1.26	5.5	1	0.7	198.5	1.15	0.05	15.60	0.085	0.02	3.7
W130261		0.6	107.5	0.003	0.02	1.91	39.9	1	1.2	62.9	0.08	<0.05	0.54	0.280	0.64	0.1
W130262		6.8	19.1	<0.002	0.23	3.30	12.1	1	0.4	492	0.96	0.12	8.32	0.328	0.12	1.2
W130263		<0.5	70.6	<0.002	<0.01	0.96	41.0	<1	2.6	22.7	<0.05	<0.05	0.29	0.213	0.56	0.1
W130264		7.8	81.0	<0.002	0.34	0.44	7.0	1	1.7	150.5	1.04	<0.05	14.40	0.222	0.35	3.3
W130265		9.6	112.5	<0.002	0.72	0.24	7.0	1	3.3	101.5	0.94	<0.05	15.25	0.224	0.51	3.3
W130266		8.9	104.0	<0.002	0.26	0.27	8.0	1	2.4	130.5	1.05	<0.05	12.45	0.337	0.54	2.4
W130267		6.4	52.0	<0.002	0.58	0.28	3.9	1	1.1	107.5	0.60	<0.05	11.30	0.137	0.22	4.9
W130268		38.4	91.7	<0.002	0.38	0.28	7.0	1	2.2	128.0	0.94	<0.05	12.85	0.319	0.41	2.5
W130269		17.6	48.0	<0.002	0.09	0.39	2.0	1	1.1	125.5	2.13	0.06	27.8	0.070	0.18	6.2
W130270		14.8	85.9	0.002	0.36	0.37	8.0	1	1.6	129.5	0.58	<0.05	14.10	0.218	0.38	3.0
W130271		17.3	34.8	<0.002	0.17	0.34	1.3	1	0.7	92.1	2.28	<0.05	23.1	0.035	0.16	5.6
W130272		12.2	86.2	0.002	0.95	0.27	8.4	1	1.9	151.0	0.60	<0.05	10.75	0.281	0.43	1.9
W130273		4.3	91.7	<0.002	0.01	0.27	7.0	1	1.9	125.5	0.72	<0.05	9.37	0.271	0.47	1.3
W130274		11.9	100.0	<0.002	0.75	0.45	8.8	1	1.8	181.5	0.71	<0.05	11.85	0.303	0.43	2.4
W130275		35.8	103.0	<0.002	0.31	0.45	7.6	1	2.3	156.5	1.03	<0.05	12.65	0.297	0.45	2.6
W130276		9.3	100.5	<0.002	0.15	0.37	9.0	<1	1.8	203	1.10	0.05	13.05	0.329	0.42	3.2
W130277		5.7	62.6	<0.002	0.65	0.93	52.0	2	2.8	78.3	0.61	<0.05	2.88	1.100	0.22	1.6
W130278		7.4	49.3	<0.002	0.11	0.53	3.5	1	1.2	117.0	1.03	<0.05	12.95	0.122	0.17	2.0
W130279		1.6	45.7	<0.002	0.01	0.35	9.2	<1	0.5	135.0	0.54	<0.05	7.95	0.153	0.15	1.0
W130280		6.7	2.6	<0.002	0.16	0.92	45.4	1	0.4	91.0	0.07	0.05	0.27	0.384	0.02	0.1
W130281		4.4	173.5	<0.002	1.57	0.47	6.7	<1	1.8	42.8	0.58	0.17	8.64	0.255	1.70	2.3
W130282		15.2	19.4	<0.002	0.11	0.61	9.0	1	1.0	336	0.50	0.49	5.61	0.266	0.19	1.6
W130283		13.8	12.4	<0.002	0.06	1.14	9.3	1	1.5	570	0.54	<0.05	4.92	0.261	0.15	1.5
W130284		2.8	7.0	<0.002	0.18	0.31	4.5	<1	0.7	83.4	0.16	<0.05	2.36	0.113	0.05	0.6
W130285		10.5	72.1	<0.002	0.10	0.46	8.1	1	1.7	316	0.69	<0.05	8.92	0.280	0.45	2.4
W130286		5.2	97.4	<0.002	0.44	0.11	7.2	1	1.3	184.0	0.64	0.08	9.74	0.216	0.40	2.0
W130287		13.4	36.0	<0.002	0.08	0.32	5.4	<1	1.0	235	0.57	<0.05	8.49	0.190	0.18	1.2
W130288		122.0	12.1	<0.002	0.15	0.64	0.8	<1	0.2	24.8	0.11	0.08	1.45	0.033	0.05	0.3
W130289		7.9	52.5	<0.002	0.54	0.30	5.5	<1	1.4	92.7	0.49	<0.05	8.33	0.179	0.17	2.3
W130290		8.3	51.9	<0.002	0.48	0.22	4.8	<1	1.5	89.2	0.48	0.06	7.53	0.172	0.15	1.9

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

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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: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

Sample Description	Method Analyte Units LOR	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
W130251		22	25.0	12.3	17	242
W130252		12	21.6	15.5	13	141.5
W130253		20	15.0	11.9	25	217
W130254		21	7.7	17.6	12	214
W130255		6	0.1	29.7	51	202
W130256		41	26.2	10.2	29	206
W130257		28	26.4	22.6	39	220
W130258		6	1.5	17.7	8	250
W130259		536	1.9	14.3	134	36.9
W130260		2	1.3	29.9	16	252
W130261		276	0.2	9.4	125	15.4
W130262		13	0.7	16.5	19	>500
W130263		253	0.2	7.7	140	11.8
W130264		22	3.6	21.8	29	225
W130265		22	16.2	16.3	20	240
W130266		44	14.6	24.2	33	211
W130267		20	2.2	11.3	14	101.0
W130268		42	16.5	18.6	30	211
W130269		7	2.5	13.8	10	119.5
W130270		46	50.0	15.7	42	220
W130271		6	1.9	9.4	15	76.1
W130272		53	37.2	18.7	35	206
W130273		45	1.5	13.4	37	171.5
W130274		54	21.5	21.5	44	214
W130275		38	4.1	22.6	183	243
W130276		46	9.7	13.6	27	241
W130277		597	2.2	33.1	106	45.7
W130278		1	1.5	29.6	17	263
W130279		34	0.2	12.5	25	248
W130280		255	0.4	17.1	80	24.9
W130281		37	85.3	8.4	17	133.0
W130282		82	0.9	10.2	151	128.5
W130283		87	1.4	9.5	100	105.5
W130284		34	3.6	4.1	31	42.2
W130285		70	2.8	12.9	48	132.0
W130286		50	9.4	10.1	20	106.5
W130287		40	5.8	6.6	16	93.7
W130288		8	1.0	1.0	40	16.2
W130289		39	6.4	8.1	23	78.1
W130290		39	10.7	5.9	16	77.0

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

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

Finalized Date: 10-SEP-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS TB17178824

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.

Au-AA23	ME-MS61