



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: **ARCUS DEVELOPMENT GROUP**
510 WEST HASTINGS ST.
VANCOUVER BC V6B 1L8

Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 21-OCT-2017
Account: DEVARC

CERTIFICATE WH17189319

Project: Dan Man

P.O. No.: 1006216-Batch 38

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-SEP-2017.

The following have access to data associated with this certificate:

IAN TALBOT

WILLIAM WENGZYNOWSK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ARCUS DEVELOPMENT GROUP**
ATTN: IAN TALBOT
510 WEST HASTINGS ST.
VANCOUVER BC V6B 1L8

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



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: ARCUS DEVELOPMENT GROUP
510 WEST HASTINGS ST.
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 21-OCT-2017
Account: DEVARC

Project: Dan Man

CERTIFICATE OF ANALYSIS WH17189319

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41a Ag ppm	ME-ICP41a Al %	ME-ICP41a As ppm	ME-ICP41a Ba ppm	ME-ICP41a Be ppm	ME-ICP41a Bi ppm	ME-ICP41a Ca %	ME-ICP41a Cd ppm	ME-ICP41a Co ppm	ME-ICP41a Cr ppm	ME-ICP41a Cu ppm	ME-ICP41a Fe %	ME-ICP41a Ga ppm
		0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W636833		2.50	0.002	1	0.80	20	150	<5	<10	2.62	<5	7	20	24	1.69	<50
W636834		3.12	0.001	<1	0.95	10	90	<5	10	1.42	<5	9	14	<5	1.87	<50
W636835		2.44	0.005	<1	1.22	70	160	<5	<10	1.53	<5	11	22	8	2.43	<50
W636836		3.32	<0.001	<1	0.57	10	<50	<5	10	2.43	<5	<5	11	<5	1.37	<50
W636837		2.92	0.016	<1	2.06	80	370	<5	<10	7.51	<5	18	7	8	4.95	<50
W636838		2.98	0.001	<1	0.69	10	50	<5	<10	1.63	<5	10	8	<5	1.94	<50
W636839		2.38	0.002	<1	<0.05	<10	<50	<5	10	21.0	<5	<5	<5	<5	0.45	<50
W636840		3.14	0.013	1	0.91	70	250	<5	10	3.24	<5	11	12	6	2.28	<50
W636841		2.70	0.205	<1	0.98	220	160	<5	10	1.89	<5	11	23	7	2.07	<50
W636842		2.74	1.195	<1	0.47	480	50	<5	10	0.10	<5	<5	8	<5	1.82	<50
W636843		2.30	1.775	2	0.54	870	50	<5	<10	0.10	<5	6	10	<5	2.09	<50
W636844		2.64	6.83	1	0.57	1250	<50	<5	10	0.11	<5	<5	5	5	1.60	<50
W636845		2.82	0.623	<1	0.79	2000	60	<5	<10	0.31	<5	6	6	<5	2.16	<50
W636846		2.94	0.015	<1	1.14	30	100	<5	10	1.27	<5	9	21	5	2.37	<50
W636847		3.46	0.009	<1	2.40	<10	470	<5	<10	2.47	<5	22	65	25	3.86	<50
W636848		2.90	<0.001	<1	2.83	<10	530	<5	<10	2.86	<5	24	74	20	4.25	<50
W636849		2.40	0.002	<1	0.99	<10	80	<5	<10	1.07	<5	5	12	8	2.07	<50
W636850		3.36	<0.001	<1	0.95	<10	90	<5	<10	0.89	<5	<5	13	8	1.79	<50
W636851		2.92	0.001	<1	2.31	<10	230	<5	<10	2.44	<5	23	119	17	3.85	<50
W636852		3.06	0.002	<1	2.24	<10	<50	<5	<10	2.84	<5	19	100	6	3.75	<50
W636853		2.34	0.002	<1	2.08	<10	170	<5	<10	2.04	<5	19	115	10	2.87	<50
W636854		3.02	0.001	<1	2.87	<10	660	<5	<10	3.39	<5	27	133	36	4.21	<50
W636855		3.44	<0.001	<1	1.12	<10	90	<5	<10	1.93	<5	13	63	20	2.04	<50
W636856		2.74	<0.001	<1	1.81	<10	230	<5	<10	2.57	<5	12	57	16	3.29	<50
W636857		3.04	<0.001	<1	0.38	<10	<50	<5	<10	1.30	<5	<5	17	<5	1.10	<50
W636858		2.88	0.001	<1	1.19	<10	60	<5	10	3.76	<5	6	13	13	3.67	<50
W636859		1.92	0.003	<1	3.06	<10	220	<5	<10	4.37	<5	27	188	17	5.12	<50
W636860		2.66	0.002	<1	0.82	<10	<50	<5	<10	0.84	<5	<5	9	5	2.11	<50
W636861		2.98	0.002	<1	0.99	20	100	<5	<10	1.19	<5	8	7	6	2.41	<50
W636862		0.32	1.295	29	1.14	500	630	<5	<10	0.26	31	6	12	132	5.17	<50
W636863		3.12	<0.001	<1	0.48	<10	<50	<5	10	0.20	<5	<5	10	<5	2.39	<50
W636864		3.06	<0.001	<1	0.46	10	<50	<5	<10	0.86	<5	5	11	<5	2.10	<50
W636865		3.04	0.001	<1	0.77	10	90	<5	10	2.22	<5	12	20	9	5.21	<50
W636866		3.14	0.003	<1	1.05	<10	120	<5	<10	3.53	<5	12	56	21	3.13	<50
W636867		3.02	0.001	<1	0.90	<10	80	<5	<10	3.59	<5	15	52	6	2.56	<50
W636868		3.28	0.002	<1	0.40	<10	<50	<5	<10	1.70	<5	<5	19	7	1.56	<50



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: ARCUS DEVELOPMENT GROUP
510 WEST HASTINGS ST.
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 21-OCT-2017
Account: DEVARC

Project: Dan Man

CERTIFICATE OF ANALYSIS WH17189319

Sample Description	Method Analyte Units LOR	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm 5	% 0.05	ppm 50	% 0.05	ppm 30	ppm 5	% 0.05	ppm 5	ppm 50	ppm 10	% 0.05	ppm 10	ppm 5	ppm 5	ppm 100
W636833		<5	0.37	<50	0.27	310	<5	<0.05	11	340	20	<0.05	10	<5	20	<100
W636834		<5	0.52	<50	0.46	250	<5	<0.05	12	180	10	<0.05	30	7	9	<100
W636835		<5	0.45	<50	0.41	390	<5	<0.05	10	520	20	<0.05	40	7	17	<100
W636836		<5	0.17	<50	0.13	240	<5	<0.05	<5	200	10	<0.05	20	5	10	<100
W636837		<5	0.82	<50	0.76	720	<5	<0.05	7	1220	10	<0.05	50	15	44	<100
W636838		<5	0.19	<50	0.13	170	<5	0.05	7	280	20	<0.05	50	11	12	<100
W636839		<5	<0.05	<50	11.60	200	<5	<0.05	5	190	20	<0.05	<10	<5	45	<100
W636840		<5	0.28	<50	0.25	990	<5	<0.05	7	400	10	<0.05	30	8	17	<100
W636841		<5	0.39	<50	0.28	550	<5	<0.05	11	450	10	<0.05	10	6	25	<100
W636842		<5	0.36	<50	<0.05	230	<5	<0.05	<5	170	10	<0.05	10	<5	7	<100
W636843		<5	0.37	<50	<0.05	370	<5	<0.05	7	110	10	<0.05	30	5	18	<100
W636844		<5	0.41	<50	<0.05	90	<5	<0.05	<5	70	10	<0.05	10	<5	14	<100
W636845		<5	0.39	<50	0.08	220	<5	<0.05	<5	210	10	<0.05	20	7	10	<100
W636846		<5	0.42	<50	0.62	370	<5	0.06	5	530	<10	<0.05	20	9	20	<100
W636847		<5	0.93	<50	1.83	670	<5	0.10	28	1850	10	<0.05	10	8	73	<100
W636848		<5	1.37	<50	2.17	760	<5	0.08	28	2040	10	<0.05	10	9	85	<100
W636849		<5	0.32	<50	0.53	310	<5	0.05	<5	370	<10	<0.05	<10	9	32	<100
W636850		<5	0.27	<50	0.49	250	<5	0.05	<5	310	<10	<0.05	<10	6	52	<100
W636851		<5	0.81	<50	1.91	690	<5	0.07	54	1700	<10	<0.05	<10	9	72	<100
W636852		<5	0.19	<50	1.96	710	<5	<0.05	33	780	<10	<0.05	<10	10	57	<100
W636853		<5	0.77	<50	1.83	490	<5	<0.05	35	510	<10	<0.05	<10	7	54	<100
W636854		<5	1.70	<50	2.62	840	<5	0.05	42	850	<10	<0.05	<10	10	56	<100
W636855		<5	0.27	<50	0.94	340	<5	0.08	17	420	<10	<0.05	10	6	36	<100
W636856		<5	0.86	<50	1.36	560	<5	<0.05	19	790	<10	<0.05	<10	8	49	<100
W636857		<5	0.08	<50	0.12	200	5	0.07	<5	100	<10	<0.05	10	<5	21	<100
W636858		<5	0.32	<50	0.56	560	<5	<0.05	<5	790	<10	<0.05	<10	11	59	<100
W636859		<5	0.64	<50	2.38	910	<5	<0.05	48	880	<10	<0.05	<10	19	66	<100
W636860		<5	0.15	<50	0.19	220	<5	<0.05	<5	260	<10	<0.05	10	7	10	<100
W636861		<5	0.31	<50	0.18	220	<5	<0.05	<5	480	<10	<0.05	<10	7	16	<100
W636862		5	0.49	<50	0.09	1010	7	<0.05	<5	1350	3270	0.44	20	5	158	<100
W636863		<5	0.08	<50	0.12	120	<5	<0.05	<5	190	<10	<0.05	<10	9	<5	<100
W636864		<5	0.08	<50	0.10	200	<5	<0.05	<5	200	<10	<0.05	<10	9	13	<100
W636865		<5	0.32	<50	0.30	620	7	<0.05	<5	460	<10	<0.05	10	13	26	<100
W636866		<5	0.53	<50	0.53	570	<5	<0.05	12	470	<10	<0.05	<10	13	41	<100
W636867		<5	0.32	<50	0.48	540	<5	<0.05	17	480	<10	<0.05	<10	8	56	<100
W636868		<5	0.15	<50	0.20	230	5	<0.05	<5	230	<10	<0.05	10	<5	27	<100



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: ARCUS DEVELOPMENT GROUP
510 WEST HASTINGS ST.
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 21-OCT-2017
Account: DEVARC

Project: Dan Man

CERTIFICATE OF ANALYSIS WH17189319

Sample Description	Method Analyte Units LOR	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Ti	Ti	U	V	W	Zn
		% 0.05	ppm 50	ppm 50	ppm 5	ppm 50	ppm 10
W636833		<0.05	<50	<50	21	<50	20
W636834		<0.05	<50	<50	44	<50	20
W636835		<0.05	<50	<50	45	<50	40
W636836		<0.05	<50	<50	9	<50	20
W636837		0.09	<50	<50	133	<50	90
W636838		<0.05	<50	<50	34	<50	20
W636839		<0.05	<50	<50	<5	<50	20
W636840		<0.05	<50	<50	23	<50	30
W636841		<0.05	<50	<50	26	<50	40
W636842		<0.05	<50	<50	<5	<50	20
W636843		<0.05	<50	<50	11	<50	20
W636844		<0.05	<50	<50	<5	<50	20
W636845		<0.05	<50	<50	12	<50	20
W636846		0.05	<50	<50	30	<50	30
W636847		0.28	<50	<50	78	<50	70
W636848		0.34	<50	<50	91	<50	80
W636849		0.07	<50	<50	33	<50	20
W636850		0.07	<50	<50	28	<50	20
W636851		0.24	<50	<50	65	<50	60
W636852		0.05	<50	<50	69	<50	50
W636853		0.17	<50	<50	57	<50	50
W636854		0.41	<50	<50	113	<50	60
W636855		0.11	<50	<50	43	<50	30
W636856		0.11	<50	<50	62	<50	50
W636857		<0.05	<50	<50	8	<50	10
W636858		<0.05	<50	<50	34	<50	40
W636859		0.06	<50	<50	109	<50	70
W636860		<0.05	<50	<50	13	<50	20
W636861		<0.05	<50	<50	29	<50	30
W636862		<0.05	<50	<50	58	<50	2240
W636863		<0.05	<50	<50	11	<50	10
W636864		<0.05	<50	<50	10	<50	10
W636865		<0.05	<50	<50	42	<50	30
W636866		<0.05	<50	<50	61	<50	30
W636867		<0.05	<50	<50	45	<50	40
W636868		<0.05	<50	<50	17	<50	20



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: ARCUS DEVELOPMENT GROUP
510 WEST HASTINGS ST.
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-OCT-2017
Account: DEVARC

Project: Dan Man

CERTIFICATE OF ANALYSIS WH17189319

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-ICP21

BAG-01

CRU-31

CRU-QC

LOG-22

LOG-23

ME-ICP41a

PUL-32

SPL-21

WEI-21