



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: 14-OCT-2017  
Account: DEVARC

**CERTIFICATE WH17186535**

Project: DAN MAN

P.O. No.: 1006216-Batch 30

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-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
PUL-QC	Pulverizing 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: 14-OCT-2017  
Account: DEVARC

Project: DAN MAN

**CERTIFICATE OF ANALYSIS WH17186535**

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
W636545		2.88	<0.001	<1	0.62	<10	<50	<5	<10	0.29	<5	<5	19	7	1.44	<50
W636546		2.44	<0.001	<1	1.33	<10	60	<5	<10	0.17	<5	12	51	7	2.91	<50
W636547		2.82	<0.001	<1	0.42	<10	<50	<5	10	0.07	<5	<5	18	18	1.27	<50
W636548		2.60	<0.001	<1	0.34	<10	<50	<5	<10	0.29	<5	<5	12	<5	1.11	<50
W636549		2.92	<0.001	<1	0.37	<10	<50	<5	<10	0.20	<5	<5	14	11	1.16	<50
W636550		2.70	<0.001	<1	0.33	<10	<50	<5	10	<0.05	<5	<5	13	10	0.74	<50
W636551		3.10	<0.001	<1	0.30	<10	<50	<5	<10	2.47	<5	<5	13	6	1.08	<50
W636552		2.88	0.007	<1	0.33	<10	<50	<5	<10	1.55	<5	<5	17	7	1.05	<50
W636553		2.96	0.020	<1	0.38	10	<50	<5	<10	0.74	<5	<5	13	38	1.04	<50
W636554		2.26	<0.001	<1	<0.05	<10	<50	<5	20	21.3	<5	<5	<5	<5	0.48	<50
W636555		2.64	0.313	1	1.64	20	120	<5	<10	2.99	<5	17	132	46	3.03	<50
W636556		3.10	0.003	1	1.52	10	200	<5	10	2.23	<5	17	75	30	2.63	<50
W636557		2.88	<0.001	1	2.86	<10	310	<5	<10	3.38	<5	25	130	39	3.94	<50
W636558		2.84	<0.001	1	0.36	10	80	<5	20	0.58	<5	<5	15	7	0.96	<50
W636559		2.84	0.003	1	1.01	30	180	<5	<10	2.51	<5	6	55	23	2.15	<50
W636560		2.34	<0.001	2	1.10	20	180	<5	<10	0.80	<5	<5	51	7	2.09	<50
W636561		2.44	<0.001	1	0.40	<10	50	<5	<10	0.23	<5	<5	15	7	0.83	<50
W636562		2.78	<0.001	1	0.37	<10	<50	<5	<10	0.12	<5	<5	14	6	0.65	<50
W636563		2.26	<0.001	1	0.42	20	<50	<5	<10	3.14	<5	<5	10	7	0.56	<50
W636564		2.74	<0.001	1	1.34	30	70	<5	<10	1.60	<5	6	105	6	1.83	<50
W636565		2.32	<0.001	1	0.74	10	70	<5	10	0.55	<5	5	25	8	1.21	<50
W636566		2.92	<0.001	1	0.44	10	<50	<5	10	0.75	<5	<5	13	5	0.67	<50
W636567		3.14	<0.001	1	0.48	<10	<50	<5	<10	0.65	<5	<5	11	5	0.84	<50
W636568		3.06	<0.001	2	0.33	30	<50	<5	<10	0.46	<5	<5	13	5	0.52	<50
W636569		2.82	<0.001	1	0.34	20	<50	<5	10	0.88	<5	<5	12	<5	0.52	<50
W636570		2.98	0.011	1	0.39	20	<50	<5	10	1.34	<5	<5	11	<5	0.70	<50
W636571		0.32	1.185	2	0.62	250	110	<5	20	18.45	<5	8	29	80	2.51	<50
W636572		2.46	<0.001	1	1.78	20	120	<5	<10	2.40	<5	14	78	20	3.38	<50
W636573		2.90	<0.001	1	0.45	10	80	<5	<10	0.63	<5	<5	11	6	0.55	<50
W636574		2.78	<0.001	<1	1.54	<10	150	<5	10	3.55	<5	16	101	15	2.81	<50
W636575		3.14	<0.001	<1	1.11	10	120	<5	<10	3.15	<5	10	137	10	2.17	<50
W636576		2.08	<0.001	1	3.21	20	390	<5	<10	3.61	<5	27	385	34	4.91	<50
W636577		2.58	<0.001	1	0.67	<10	70	<5	<10	1.80	<5	5	25	8	1.41	<50
W636578		2.96	0.005	<1	0.78	30	70	<5	<10	1.48	<5	6	17	7	1.79	<50
W636579		2.56	<0.001	<1	1.11	<10	170	<5	<10	0.47	<5	10	26	16	2.24	<50
W636580		2.92	<0.001	1	1.58	<10	310	<5	<10	3.10	<5	17	154	32	2.76	<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: 14-OCT-2017  
Account: DEVARC

Project: DAN MAN

**CERTIFICATE OF ANALYSIS WH17186535**

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	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W636545		<5	0.15	<50	0.12	320	<5	0.21	<5	100	<10	<0.05	<10	<5	<5	<100
W636546		<5	0.26	<50	0.19	630	<5	0.12	15	490	10	<0.05	10	8	13	<100
W636547		<5	0.10	<50	0.14	250	<5	0.14	7	80	10	<0.05	10	<5	<5	<100
W636548		<5	0.05	<50	0.11	240	<5	0.14	6	<50	30	<0.05	10	<5	<5	<100
W636549		<5	0.05	<50	0.12	240	<5	0.15	<5	<50	20	<0.05	10	<5	<5	<100
W636550		<5	0.06	<50	0.11	100	<5	0.14	<5	60	<10	<0.05	<10	<5	<5	<100
W636551		<5	0.05	<50	0.10	230	<5	0.14	<5	<50	60	<0.05	<10	<5	23	<100
W636552		<5	0.08	<50	0.09	280	<5	0.11	<5	<50	20	<0.05	<10	<5	13	<100
W636553		<5	0.09	<50	0.07	180	<5	0.14	<5	<50	50	<0.05	<10	<5	<5	<100
W636554		<5	<0.05	<50	11.75	210	<5	<0.05	<5	190	<10	<0.05	<10	<5	31	<100
W636555		<5	1.01	<50	1.21	780	<5	0.05	63	580	260	<0.05	<10	8	18	<100
W636556		<5	0.64	<50	1.06	740	<5	0.07	21	490	30	<0.05	<10	6	53	<100
W636557		<5	1.63	<50	2.50	710	<5	<0.05	38	750	20	<0.05	<10	13	79	<100
W636558		<5	0.20	<50	0.07	490	<5	0.08	<5	50	30	<0.05	<10	<5	17	<100
W636559		<5	0.53	<50	0.58	630	<5	0.06	16	350	60	<0.05	10	6	34	<100
W636560		<5	0.58	<50	0.70	500	<5	0.08	14	400	10	<0.05	<10	6	18	<100
W636561		<5	0.18	<50	0.06	140	<5	0.09	<5	70	10	<0.05	<10	<5	6	<100
W636562		<5	0.19	<50	0.06	100	<5	0.07	<5	50	<10	<0.05	<10	<5	6	<100
W636563		<5	0.25	<50	0.05	140	<5	<0.05	<5	<50	20	<0.05	<10	<5	194	<100
W636564		<5	0.89	<50	1.08	390	<5	<0.05	34	390	<10	<0.05	<10	6	32	<100
W636565		<5	0.34	<50	0.24	250	<5	0.06	7	180	10	<0.05	<10	<5	20	<100
W636566		<5	0.22	<50	0.08	120	<5	0.10	<5	80	10	<0.05	<10	<5	10	<100
W636567		<5	0.23	<50	0.08	140	<5	0.11	<5	60	10	<0.05	<10	<5	15	<100
W636568		<5	0.12	<50	<0.05	70	<5	0.13	<5	60	<10	<0.05	<10	<5	10	<100
W636569		<5	0.14	<50	<0.05	100	<5	0.12	<5	90	<10	<0.05	<10	<5	14	<100
W636570		<5	0.19	<50	0.07	160	<5	0.09	<5	60	<10	<0.05	<10	<5	20	<100
W636571		<5	0.22	<50	3.23	1750	73	<0.05	79	1080	20	0.88	10	<5	185	<100
W636572		<5	1.02	<50	1.38	600	<5	<0.05	27	1010	10	<0.05	<10	10	30	<100
W636573		<5	0.25	<50	0.07	110	<5	0.10	<5	50	<10	<0.05	<10	<5	17	<100
W636574		<5	0.93	<50	1.57	610	<5	<0.05	39	470	10	<0.05	10	9	55	<100
W636575		<5	0.70	<50	0.85	440	<5	0.06	41	390	<10	<0.05	10	7	39	<100
W636576		6	2.45	<50	3.25	1040	<5	<0.05	111	1190	10	<0.05	<10	22	55	<100
W636577		<5	0.26	<50	0.24	290	<5	0.05	8	140	<10	<0.05	10	<5	33	<100
W636578		<5	0.30	<50	0.21	220	<5	0.07	6	160	<10	<0.05	<10	<5	30	<100
W636579		<5	0.39	<50	0.39	400	<5	<0.05	12	500	10	<0.05	10	5	26	<100
W636580		<5	0.74	<50	1.11	530	<5	<0.05	54	640	<10	<0.05	<10	7	46	<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: 14-OCT-2017  
Account: DEVARC

Project: DAN MAN

**CERTIFICATE OF ANALYSIS WH17186535**

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
W636545		<0.05	<50	<50	11	<50	10
W636546		<0.05	<50	<50	47	<50	60
W636547		<0.05	<50	<50	9	<50	30
W636548		<0.05	<50	<50	6	<50	20
W636549		<0.05	<50	<50	<5	<50	20
W636550		<0.05	<50	<50	<5	<50	10
W636551		<0.05	<50	<50	5	<50	20
W636552		<0.05	<50	<50	7	<50	10
W636553		<0.05	<50	<50	6	<50	10
W636554		<0.05	<50	<50	<5	<50	10
W636555		0.08	<50	<50	46	<50	90
W636556		0.25	<50	<50	56	<50	60
W636557		0.26	<50	<50	97	<50	70
W636558		<0.05	<50	<50	<5	<50	10
W636559		0.06	<50	<50	34	<50	40
W636560		0.08	<50	<50	32	<50	40
W636561		<0.05	<50	<50	5	<50	10
W636562		<0.05	<50	<50	<5	<50	10
W636563		<0.05	<50	<50	<5	<50	10
W636564		0.06	<50	<50	37	<50	40
W636565		<0.05	<50	<50	11	<50	10
W636566		<0.05	<50	<50	<5	<50	10
W636567		<0.05	<50	<50	<5	<50	10
W636568		<0.05	<50	<50	<5	<50	10
W636569		<0.05	<50	<50	<5	<50	10
W636570		<0.05	<50	<50	<5	<50	10
W636571		<0.05	<50	<50	183	<50	440
W636572		0.10	<50	<50	57	<50	50
W636573		<0.05	<50	<50	<5	<50	10
W636574		0.07	<50	<50	55	<50	60
W636575		0.06	<50	<50	37	<50	40
W636576		0.22	<50	<50	145	<50	130
W636577		<0.05	<50	<50	15	<50	30
W636578		<0.05	<50	<50	14	<50	30
W636579		<0.05	<50	<50	39	<50	40
W636580		0.12	<50	<50	58	<50	40



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: 14-OCT-2017  
Account: DEVARC

Project: DAN MAN

**CERTIFICATE OF ANALYSIS WH17186535**

**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

LOG-22

LOG-23

ME-ICP41a

PUL-32

PUL-QC

SPL-21

WEI-21