



ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com/geochemistry

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

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Plus Appendix Pages
Finalized Date: 4-OCT-2017
Account: DEVARC

CERTIFICATE WH17186507

Project: Dan Man

P.O. No.: 1006216-Batch 25

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.
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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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CERTIFICATE OF ANALYSIS WH17186507

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
W636365		2.98	<0.001	<1	0.41	40	<50	<5	<10	0.47	<5	<5	8	7	0.52	<50
W636366		3.38	<0.001	<1	0.43	40	<50	<5	<10	0.10	<5	<5	10	<5	0.60	<50
W636367		2.66	0.001	1	0.80	110	<50	<5	<10	1.13	<5	10	96	19	2.26	<50
W636368		3.12	0.003	<1	0.51	30	<50	<5	<10	<0.05	<5	<5	10	5	0.50	<50
W636369		3.06	0.054	1	0.67	80	<50	<5	<10	0.47	<5	7	28	9	1.72	<50
W636370		3.32	<0.001	<1	0.40	10	<50	<5	<10	0.09	<5	<5	12	<5	0.76	<50
W636371		0.32	1.135	1	0.65	240	110	<5	10	18.30	<5	5	29	82	2.53	<50
W636372		3.06	<0.001	<1	1.15	20	<50	<5	<10	0.17	<5	8	75	<5	2.37	<50
W636373		3.08	<0.001	<1	0.39	30	<50	<5	<10	<0.05	<5	<5	9	8	0.76	<50
W636374		2.76	<0.001	<1	0.35	<10	<50	<5	<10	<0.05	<5	<5	7	<5	0.57	<50
W636375		3.02	<0.001	1	0.69	30	<50	<5	<10	0.46	<5	6	51	<5	1.71	<50
W636376		2.88	<0.001	<1	0.64	10	<50	<5	<10	0.57	<5	<5	10	<5	1.34	<50
W636377		2.66	<0.001	<1	0.62	<10	<50	<5	<10	2.50	<5	<5	38	6	1.52	<50
W636378		3.50	<0.001	<1	0.40	20	<50	<5	<10	0.35	<5	<5	10	<5	0.73	<50
W636379		3.00	<0.001	<1	0.72	140	<50	<5	<10	3.90	<5	8	59	10	2.04	<50
W636380		2.70	0.001	<1	0.40	60	<50	<5	<10	0.05	<5	<5	10	<5	0.91	<50
W636381		2.38	<0.001	<1	1.12	110	50	<5	<10	0.85	<5	8	81	<5	2.06	<50
W636382		2.42	<0.001	<1	0.57	360	60	<5	10	0.18	<5	8	16	12	2.08	<50
W636383		2.44	<0.001	<1	0.43	40	50	<5	<10	0.07	<5	<5	12	<5	1.21	<50
W636384		2.66	<0.001	1	0.42	10	<50	<5	<10	0.05	<5	<5	10	<5	0.82	<50
W636385		2.02	<0.001	<1	0.56	20	<50	<5	<10	0.51	<5	<5	29	7	1.08	<50
W636386		2.82	<0.001	<1	0.42	10	<50	<5	<10	1.10	<5	<5	11	<5	0.49	<50
W636387		2.28	<0.001	<1	0.46	10	<50	<5	<10	0.05	<5	<5	8	7	0.50	<50
W636388		2.96	<0.001	<1	0.40	10	50	<5	<10	0.10	<5	<5	9	6	0.92	<50
W636389		2.64	<0.001	1	2.24	10	160	<5	<10	3.09	<5	20	115	33	3.59	<50
W636390		2.36	<0.001	<1	<0.05	<10	<50	<5	<10	21.3	<5	<5	<5	<5	0.50	<50
W636391		2.68	<0.001	<1	1.27	<10	90	<5	<10	1.14	<5	7	57	8	2.47	<50
W636392		2.20	<0.001	<1	0.64	20	170	<5	<10	0.85	<5	<5	7	8	0.58	<50
W636393		2.76	<0.001	<1	0.46	20	<50	<5	<10	0.97	<5	<5	9	<5	0.53	<50
W636394		2.70	<0.001	<1	0.54	20	<50	<5	<10	1.44	<5	<5	9	<5	0.61	<50
W636395		2.32	<0.001	<1	0.53	10	<50	<5	<10	0.27	<5	<5	8	<5	0.47	<50
W636396		3.02	<0.001	1	0.23	20	<50	<5	<10	<0.05	<5	<5	18	5	0.55	<50
W636397		2.62	<0.001	<1	0.53	<10	70	<5	<10	0.06	<5	<5	10	<5	0.68	<50
W636398		2.22	<0.001	<1	0.54	10	50	<5	<10	2.89	<5	7	11	11	0.64	<50
W636399		2.34	<0.001	1	0.65	10	70	<5	<10	2.37	<5	<5	11	10	0.70	<50
W636400		2.80	<0.001	<1	0.60	<10	70	<5	10	2.35	<5	<5	19	<5	0.88	<50



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CERTIFICATE OF ANALYSIS WH17186507

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
W636365		<5	0.22	<50	<0.05	100	<5	<0.05	6	50	20	<0.05	<10	<5	8	<100
W636366		<5	0.22	<50	<0.05	140	<5	<0.05	<5	70	20	<0.05	<10	<5	8	<100
W636367		<5	0.19	<50	0.12	370	<5	<0.05	20	310	20	<0.05	10	13	14	<100
W636368		<5	0.20	<50	<0.05	70	<5	<0.05	<5	70	<10	<0.05	<10	<5	7	<100
W636369		<5	0.24	<50	0.13	260	<5	<0.05	9	150	20	<0.05	<10	<5	9	<100
W636370		<5	0.19	<50	0.06	100	<5	<0.05	<5	60	<10	<0.05	<10	<5	7	<100
W636371		<5	0.22	<50	3.15	1760	74	<0.05	80	1150	20	0.90	<10	<5	192	<100
W636372		<5	0.46	<50	0.70	210	<5	<0.05	19	360	10	<0.05	10	7	9	<100
W636373		<5	0.19	<50	<0.05	100	<5	<0.05	8	50	20	<0.05	<10	<5	<5	<100
W636374		<5	0.19	<50	<0.05	60	<5	<0.05	<5	<50	10	<0.05	<10	<5	6	<100
W636375		<5	0.26	<50	0.21	230	<5	<0.05	9	180	10	<0.05	<10	5	10	<100
W636376		<5	0.15	<50	0.06	290	<5	<0.05	6	50	20	<0.05	<10	<5	15	<100
W636377		<5	0.27	<50	0.22	200	6	<0.05	10	200	20	<0.05	<10	6	39	<100
W636378		<5	0.20	<50	<0.05	140	<5	0.05	<5	<50	10	<0.05	<10	<5	7	<100
W636379		<5	0.32	<50	0.29	380	<5	<0.05	21	180	20	0.11	<10	9	67	<100
W636380		<5	0.20	<50	<0.05	160	<5	<0.05	<5	<50	20	<0.05	<10	<5	6	<100
W636381		<5	0.39	<50	0.45	400	<5	<0.05	23	430	10	<0.05	<10	9	24	<100
W636382		<5	0.05	<50	<0.05	300	<5	<0.05	16	140	20	<0.05	<10	<5	17	<100
W636383		<5	<0.05	<50	0.05	240	<5	0.07	9	<50	20	<0.05	<10	<5	11	<100
W636384		<5	0.17	<50	0.05	110	<5	<0.05	<5	60	<10	<0.05	<10	<5	7	<100
W636385		<5	0.29	<50	0.17	170	<5	0.05	7	120	10	<0.05	<10	<5	7	<100
W636386		<5	0.18	<50	<0.05	120	<5	0.05	7	60	10	<0.05	<10	<5	30	<100
W636387		<5	0.26	<50	<0.05	100	<5	<0.05	<5	80	10	<0.05	<10	<5	9	<100
W636388		<5	0.27	<50	0.05	140	<5	<0.05	<5	90	<10	<0.05	<10	<5	5	<100
W636389		<5	1.64	<50	1.86	680	<5	<0.05	44	840	90	0.09	<10	9	84	<100
W636390		<5	<0.05	<50	11.90	220	<5	<0.05	<5	130	1020	<0.05	<10	<5	29	<100
W636391		<5	0.76	<50	0.93	500	<5	<0.05	20	370	10	<0.05	<10	7	18	<100
W636392		<5	0.43	<50	0.05	230	<5	<0.05	<5	80	20	<0.05	<10	<5	38	<100
W636393		<5	0.26	<50	0.10	180	<5	<0.05	<5	100	20	<0.05	<10	<5	27	<100
W636394		<5	0.22	<50	<0.05	160	<5	<0.05	<5	90	<10	<0.05	10	<5	51	<100
W636395		<5	0.24	<50	<0.05	110	<5	<0.05	<5	<50	<10	<0.05	<10	<5	15	<100
W636396		<5	0.16	<50	<0.05	160	<5	<0.05	5	<50	<10	<0.05	<10	<5	<5	<100
W636397		<5	0.33	50	0.06	230	<5	<0.05	5	140	<10	<0.05	<10	<5	10	<100
W636398		<5	0.41	<50	0.06	330	<5	<0.05	6	170	10	<0.05	<10	<5	43	<100
W636399		<5	0.45	<50	0.06	280	<5	<0.05	5	210	10	<0.05	<10	<5	34	<100
W636400		<5	0.35	<50	0.21	220	<5	<0.05	8	80	<10	<0.05	<10	<5	35	<100



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CERTIFICATE OF ANALYSIS WH17186507

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
W636365		<0.05	<50	<50	<5	<50	10
W636366		<0.05	<50	<50	<5	<50	10
W636367		<0.05	<50	<50	74	<50	60
W636368		<0.05	<50	<50	<5	<50	<10
W636369		<0.05	<50	<50	20	<50	60
W636370		<0.05	<50	<50	6	<50	10
W636371		<0.05	<50	<50	183	<50	450
W636372		0.05	<50	<50	52	<50	50
W636373		<0.05	<50	<50	<5	<50	10
W636374		<0.05	<50	<50	<5	<50	20
W636375		<0.05	<50	<50	34	<50	20
W636376		<0.05	<50	<50	6	<50	50
W636377		<0.05	<50	<50	33	<50	30
W636378		<0.05	<50	<50	<5	<50	20
W636379		<0.05	<50	<50	42	<50	50
W636380		<0.05	<50	<50	<5	<50	30
W636381		<0.05	<50	<50	37	<50	40
W636382		<0.05	<50	<50	13	<50	10
W636383		<0.05	<50	<50	8	<50	50
W636384		<0.05	<50	<50	<5	<50	30
W636385		<0.05	<50	<50	14	<50	20
W636386		<0.05	<50	<50	<5	<50	10
W636387		<0.05	<50	<50	<5	<50	10
W636388		<0.05	<50	<50	<5	<50	10
W636389		0.28	<50	<50	79	<50	60
W636390		<0.05	<50	<50	<5	<50	20
W636391		0.08	<50	<50	50	<50	40
W636392		<0.05	<50	<50	<5	<50	10
W636393		<0.05	<50	<50	<5	<50	10
W636394		<0.05	<50	<50	<5	<50	10
W636395		<0.05	<50	<50	<5	<50	30
W636396		<0.05	<50	<50	<5	<50	10
W636397		<0.05	<50	<50	<5	<50	10
W636398		<0.05	<50	<50	<5	<50	10
W636399		<0.05	<50	<50	6	<50	10
W636400		<0.05	<50	<50	8	<50	10



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CERTIFICATE OF ANALYSIS WH17186507

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