



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: 10-OCT-2017
Account: DEVARC

CERTIFICATE WH17183047

Project: Dan Man

P.O. No.: 1006216-Batch 9

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-AUG-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 WH17183047

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
W590289		2.68	0.001	<1	0.66	<10	<50	<5	10	1.32	<5	<5	9	<5	0.79	<50
W590290		3.02	0.018	<1	0.62	20	50	<5	<10	1.06	<5	<5	7	32	0.59	<50
W590291		2.96	0.009	<1	0.54	<10	<50	<5	<10	0.94	<5	<5	7	<5	0.50	<50
W590292		3.06	<0.001	<1	0.49	10	<50	<5	10	0.61	<5	<5	9	<5	0.62	<50
W590293		3.78	0.008	<1	0.39	10	<50	<5	10	0.85	<5	<5	8	<5	0.61	<50
W590294		0.32	1.395	27	1.20	510	640	<5	<10	0.26	30	7	13	132	5.27	<50
W590295		2.64	0.001	1	0.41	10	<50	<5	<10	0.19	<5	<5	10	<5	0.64	<50
W590296		3.08	0.057	1	0.50	40	<50	<5	<10	<0.05	<5	5	11	<5	0.74	<50
W590297		2.56	0.211	<1	0.79	90	<50	<5	<10	0.23	<5	<5	8	<5	0.96	<50
W590298		2.62	0.272	<1	0.49	100	70	<5	<10	0.32	<5	<5	10	<5	0.96	<50
W590299		3.72	0.286	<1	0.44	50	<50	<5	<10	0.05	<5	5	13	<5	1.01	<50
W590300		3.28	0.108	<1	0.41	40	<50	<5	20	1.28	<5	<5	10	<5	0.89	<50
W590301		3.40	0.020	1	0.61	20	<50	<5	<10	1.12	<5	<5	9	<5	0.85	<50
W590302		2.90	0.029	<1	0.60	40	50	<5	10	2.71	<5	6	8	<5	1.25	<50
W590303		3.08	0.004	<1	0.70	10	80	<5	10	2.42	<5	<5	8	<5	1.37	<50
W590304		2.58	0.073	<1	0.54	40	<50	<5	10	1.23	<5	<5	7	<5	0.89	<50
W590305		2.44	0.080	<1	0.73	50	<50	<5	10	1.70	<5	<5	7	<5	0.79	<50
W590306		2.58	0.040	<1	0.61	90	<50	<5	<10	1.70	<5	<5	7	<5	0.78	<50
W590307		2.98	0.302	<1	0.50	100	50	<5	<10	0.35	<5	<5	7	<5	0.67	<50
W590308		2.58	0.287	<1	0.49	100	<50	<5	<10	0.81	<5	<5	7	<5	0.85	<50
W590309		2.40	0.176	<1	0.50	40	<50	<5	<10	0.79	<5	<5	8	<5	0.64	<50
W590310		2.06	0.054	<1	0.33	30	<50	<5	<10	0.35	<5	<5	8	<5	0.49	<50
W590311		1.86	0.071	<1	0.60	40	<50	<5	<10	0.51	<5	<5	12	6	0.96	<50
W590312		2.20	0.084	<1	0.55	40	<50	<5	<10	0.83	<5	<5	8	<5	0.69	<50
W590313		2.34	<0.001	<1	<0.05	10	<50	<5	<10	20.8	<5	<5	<5	<5	0.45	<50
W590314		2.04	0.047	<1	0.53	30	<50	<5	<10	0.61	<5	<5	14	5	0.82	<50
W590315		2.90	0.008	<1	0.30	10	<50	<5	10	0.58	<5	<5	11	5	0.67	<50
W590316		2.46	0.014	<1	0.45	10	<50	<5	<10	0.45	<5	<5	14	25	1.07	<50
W590317		2.12	0.016	<1	0.74	20	<50	<5	10	1.27	<5	6	11	9	1.36	<50
W590318		1.84	0.024	1	0.45	10	<50	<5	<10	0.86	<5	<5	14	7	0.92	<50
W590319		2.56	0.001	<1	0.57	10	<50	<5	<10	0.06	<5	<5	12	7	0.99	<50
W590320		2.88	0.004	<1	0.57	30	50	<5	10	<0.05	<5	<5	9	<5	1.22	<50
W590321		3.54	<0.001	<1	0.43	<10	<50	<5	<10	<0.05	<5	<5	7	<5	0.84	<50
W590322		2.68	<0.001	<1	0.48	20	<50	<5	10	<0.05	<5	<5	7	<5	0.72	<50
W590323		2.74	<0.001	1	0.38	<10	<50	<5	10	<0.05	<5	<5	7	<5	0.90	<50
W590324		2.64	<0.001	<1	0.54	<10	<50	<5	<10	<0.05	<5	<5	7	<5	0.84	<50



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CERTIFICATE OF ANALYSIS WH17183047

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
W590289		<5	0.18	<50	<0.05	190	<5	<0.05	<5	50	<10	<0.05	<10	<5	33	<100
W590290		<5	0.24	50	0.05	130	<5	<0.05	<5	70	40	<0.05	<10	<5	41	<100
W590291		<5	0.20	50	<0.05	120	<5	<0.05	<5	60	<10	<0.05	<10	<5	34	<100
W590292		<5	0.27	<50	<0.05	150	<5	0.05	<5	80	10	<0.05	<10	<5	32	<100
W590293		<5	0.17	<50	<0.05	130	<5	<0.05	<5	50	<10	<0.05	<10	<5	22	<100
W590294		5	0.49	<50	0.09	1010	<5	<0.05	<5	1450	3410	0.37	20	<5	163	<100
W590295		6	0.17	<50	<0.05	130	<5	<0.05	<5	<50	10	<0.05	<10	<5	10	<100
W590296		<5	0.19	<50	<0.05	170	<5	<0.05	<5	<50	20	<0.05	<10	<5	9	<100
W590297		<5	0.24	<50	0.06	80	<5	<0.05	<5	60	10	<0.05	<10	<5	24	<100
W590298		<5	0.18	50	<0.05	390	<5	<0.05	<5	90	10	<0.05	<10	<5	21	<100
W590299		<5	0.23	<50	<0.05	200	<5	<0.05	5	60	10	<0.05	<10	<5	14	<100
W590300		<5	0.18	<50	<0.05	260	<5	<0.05	<5	110	20	<0.05	<10	<5	40	<100
W590301		<5	0.20	<50	0.05	170	<5	<0.05	<5	70	10	<0.05	<10	<5	26	<100
W590302		<5	0.25	50	0.15	430	<5	<0.05	<5	380	10	<0.05	10	<5	58	<100
W590303		<5	0.35	50	0.27	360	<5	<0.05	<5	390	<10	<0.05	<10	<5	74	<100
W590304		<5	0.14	<50	0.07	190	<5	<0.05	<5	90	10	<0.05	10	<5	35	<100
W590305		<5	0.16	<50	0.06	260	<5	<0.05	6	90	10	<0.05	<10	<5	62	<100
W590306		<5	0.24	<50	<0.05	180	<5	<0.05	<5	100	10	<0.05	<10	<5	72	<100
W590307		<5	0.24	<50	<0.05	70	<5	<0.05	<5	<50	60	0.07	<10	<5	36	<100
W590308		<5	0.19	<50	<0.05	150	<5	<0.05	<5	50	50	<0.05	10	<5	32	<100
W590309		<5	0.19	<50	<0.05	110	<5	<0.05	7	<50	<10	<0.05	<10	<5	28	<100
W590310		<5	0.17	<50	<0.05	80	<5	<0.05	<5	<50	<10	<0.05	<10	<5	16	<100
W590311		<5	0.28	<50	<0.05	140	<5	0.05	<5	60	<10	<0.05	<10	<5	21	<100
W590312		<5	0.26	<50	<0.05	120	<5	<0.05	<5	60	10	0.06	<10	<5	39	<100
W590313		<5	<0.05	<50	11.65	220	<5	<0.05	<5	180	<10	<0.05	<10	<5	45	<100
W590314		<5	0.23	<50	0.05	100	<5	<0.05	<5	80	10	<0.05	<10	<5	28	<100
W590315		<5	0.19	<50	0.07	80	<5	<0.05	<5	<50	<10	<0.05	<10	<5	15	<100
W590316		<5	0.23	<50	0.06	120	<5	<0.05	15	110	30	0.07	<10	<5	22	<100
W590317		<5	0.32	<50	0.24	270	<5	<0.05	<5	210	20	0.24	<10	<5	50	<100
W590318		<5	0.20	<50	0.17	150	<5	<0.05	<5	160	10	0.10	<10	<5	31	<100
W590319		<5	0.16	<50	<0.05	150	<5	<0.05	<5	60	<10	0.05	<10	<5	9	<100
W590320		<5	0.14	<50	<0.05	260	<5	<0.05	<5	100	10	<0.05	<10	<5	16	<100
W590321		<5	0.15	<50	<0.05	170	<5	<0.05	<5	80	10	<0.05	<10	<5	7	<100
W590322		<5	0.18	<50	<0.05	100	<5	<0.05	<5	70	<10	<0.05	<10	<5	9	<100
W590323		<5	0.17	<50	<0.05	170	<5	<0.05	<5	70	10	<0.05	<10	<5	8	<100
W590324		<5	0.13	<50	<0.05	100	<5	<0.05	<5	70	20	<0.05	<10	<5	10	<100



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CERTIFICATE OF ANALYSIS WH17183047

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
W590289		<0.05	<50	<50	<5	<50	10
W590290		<0.05	<50	<50	<5	<50	10
W590291		<0.05	<50	<50	<5	<50	10
W590292		<0.05	<50	<50	<5	<50	10
W590293		<0.05	<50	<50	<5	<50	10
W590294		<0.05	<50	<50	59	<50	2270
W590295		<0.05	<50	<50	<5	<50	10
W590296		<0.05	<50	<50	<5	<50	10
W590297		<0.05	<50	<50	<5	<50	10
W590298		<0.05	<50	<50	<5	<50	10
W590299		<0.05	<50	<50	<5	<50	10
W590300		<0.05	<50	<50	<5	<50	20
W590301		<0.05	<50	<50	<5	<50	10
W590302		<0.05	<50	<50	5	<50	50
W590303		<0.05	<50	<50	5	<50	50
W590304		<0.05	<50	<50	<5	<50	10
W590305		<0.05	<50	<50	<5	<50	10
W590306		<0.05	<50	<50	<5	<50	20
W590307		<0.05	<50	<50	<5	<50	10
W590308		<0.05	<50	<50	<5	<50	30
W590309		<0.05	<50	<50	<5	<50	10
W590310		<0.05	<50	<50	<5	<50	10
W590311		<0.05	<50	<50	<5	<50	10
W590312		<0.05	<50	<50	<5	<50	20
W590313		<0.05	<50	<50	<5	<50	20
W590314		<0.05	<50	<50	<5	<50	30
W590315		<0.05	<50	<50	<5	<50	10
W590316		<0.05	<50	<50	<5	<50	20
W590317		<0.05	<50	<50	11	<50	20
W590318		<0.05	<50	<50	6	<50	10
W590319		<0.05	<50	<50	<5	<50	10
W590320		<0.05	<50	<50	5	<50	20
W590321		<0.05	<50	<50	<5	<50	10
W590322		<0.05	<50	<50	<5	<50	10
W590323		<0.05	<50	<50	<5	<50	10
W590324		<0.05	<50	<50	<5	<50	10



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CERTIFICATE OF ANALYSIS WH17183047

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