CANADIAN ARROW MINES LTD.

HALLIDAY DOME 2.25718

HALLIDAY / MIDLOTHIAN TOWNSHIP PROPERTY

WINTER 2002-2001

DIAMOND DRILL PROGRAM DATA

CANADIAN ARROW
MR P. CALDBICK
SUITE 104, 85 PINE ST S
TIMMINS, ONTARIO
P4N 2K1

CHIMITEC BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57046.0 (COMPLETE)

REFERENCE: 167331

CLIENT: CANADIAN ARROW

PROJECT: MID

SUBMITTED BY:

DATE RECEIVED: 05-FEB-01 DATE PRINTED: 12-FEV-01

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010208	1 Au30	Gold	4	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010208	2 Ag	Ag - IC01	50	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	3 Cu	Cu - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	4 Pb	Pb - IC01	50	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	5 Zn	Zn - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	6 Mo	Mo - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	7 Ni	Ni - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	8 Co	Co - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	9 Cd	Cd - IC01	50	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	10 Bi	Bi - IC01	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	11 As	As - IC01	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	12 Sb	Sb - IC01	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	13 Fe	Fe - IC01	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	14 Mn	Mn - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	15 TE	Te - IC01	50	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	16 Ba	Ba - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	17 Cr	Cr - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	18 V	V - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	19 Sn	Sn - IC01	50	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	20 W	W - IC01	50	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	21 La	La - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	22 Al	Al - IC01	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	23 Mg	Mg - IC01	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	24 Ca	Ca - IC01	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	25 Na	Na - IC01	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	26 K	K - IC01	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	27 Sr	Sr - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	28 Y	Y - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	29 Ga	Ga - IC01	50	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	30 Li	Li - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	31 Nb	Nb - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	32 Sc	Sc - IC01	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	33 Ta	Ta - IC01	50	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	34 Ti	Ti - IC01	50	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	35 Zr	Zr - IC01	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	36 S	S - IC01	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	50	-150	50	CRUSH, SPLIT	50
				PULVERIZATION	50

REPORT COPIES TO: MR P. CALDBICK

INVOICE TO: MR P. CALDBICK

CHIMITEC BONDAR CLEGG

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PROJECT: MID

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SAMPLE	ELEMENT Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
NUMBER	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
779951		<0.2	6	8	18	2	9	8	<0.2	<5	8	<5	2.34	856	<10	62	84	6	<20	<20	14	0.71	1.32	0.75	<.01	.42	41	4	4	7	<1	<5	<10	<.01	16	0.66
779952		<0.2	8	19	33	1	12	9	<0.2	<5	12	<5	3.26	1275	<10	59	99	11	<20	<20	11	1.24	1.54	1.25	<.01	.28	58	4	6	25	<1	<5	<10	<.01	15	1.25
779953		<0.2	6	14	32	1	9	5	<0.2	<5	8	<5	2.33	960	<10	51	81	5	<20	<20	12	0.69	1.68	1.24	<.01	.33	70	4	3	9	<1	<5	<10	<.01	15	0.39
779954		0.5	35	10	55	2	22	12	<0.2	<5	14	<5	3.44	696	<10	47	34	14	<20	<20	12	2.21	2.37	1.11	<.01	.36	48	5	7	48	<1	<5	<10	<.01	26	0.76
779955		1.3	34	1203	1125	1	38	17	6.1	<5	22	<5	4.54	2225	<10	47	121	24	<20	<20	9	2.22	3.44	3.80	<.01	.35	202	6	7	48	<1	<5	<10	<.01	13	0.83
779956		0.2	33	9	58	3	23	13	<0.2	<5	10	<5	3.33	549	<10	50	39	16	<20	<20	12	2.32	2.35	0.81	<.01	.37	38	5	7	55	<1	<5	<10	<.01	26	0.56
779957		2.7	55	416	445	2	20	15	1.7	<5	25	<5	4.93	2420	<10	58	53	12	<20	<20	6	1.69	2.70	3.69	<.01	.40	139	6	6	31	<1	<5	<10	<.01	24	2.05
779958	42	2.9	90	1053	2323	2	18	14	8.3	<5	22	5	5.37	1537	<10	67	36	9	<20	<20	7	1.28	2.22	2.22	<.01	.42	99	5	6	21	<1	<5	<10	<.01	31	3.37
779959		1.1	42	250	2679	1	21	11	9.6	<5	19	<5	4.13	726	<10	73	37	9	<20	<20	11	1.26	1.81	0.83	<.01	.47	39	5	5	20	<1	<5	<10	<.01	30	2.18
779960		<0.2	47	101	528	1	15	10	1.9	<5	12	<5	2.63	1029	<10	74	30	6	<20	<20	13	0.77	1.55	1.30	<.01	.46	66	6	3	6	<1	<5	<10	<.01	21	0.61
779961		1.6	40	286	873	2	19	13	3.0	<5	25	<5	2.15	151	<10	70	92	8	<20	<20	12	0.63	0.15	0.28	<.01	.47	14	5	2	2	<1	<5	<10	<.01	33	2.34
779962		2.4	37	202	262	<1	25	14	0.9	<5	39	<5	3.49	281	<10	60	80	6	<20	<20	9	0.56	0.22	0.45	<.01	.42	19	5	3	2	<1	<5	<10	<.01	37	3.80
779963		0.8	47	74	273	2	13	12	1.6	<5	25	<5	2.31	828	<10	83	43	7	<20	<20	12	0.75	0.84	1.32	<.01	.53	60	6	3	3	<1	<5	<10	<.01	27	1.40
779964		2.0	41	456	958	1	16	11	3.5	<5	33	<5	3.35	1265	<10	69	53	6	<20	<20	7	0.60	1.15	2.49	<.01	.43	103	7	3	3	<1	<5	<10	<.01	32	2.65
779965		1.8	25	40	116	1	19	12	0.5	<5	30	<5	4.60	1295	<10	64	63	7	<20	<20	6	0.63	1.31	2.69	<.01	.44	104	7	4	2	<1	<5	<10	<.01	38	3.93
779966		1.6	13	21	28	1	15	10	<0.2	<5	21	<5	3.49	896	<10	57	72	6	<20	<20	6	0.53	0.90	1.88	<.01	.38	68	6	3	2	<1	<5	<10	<.01	33	3.18
779967		1.6	13	41	50	<1	14	9	<0.2	<5	21	<5	2.90	850	<10	62	105	6	<20	<20	8	0.57	0.77	1.63	0.01	.40	53	5	3	2	<1	<5	<10	<.01	30	2.58
779968		4.7	29	136	368	1	16	10	1.3	<5	30	<5	3.71	159	<10	44	96	5	<20	<20	10	0.53	0.16	0.33	<.01	.36	12	4	3	2	<1	<5	<10	<.01	36	4.02
779969		18.9	3791	639	7046	2	33	17	24.5	<5	46	6	5.70	207	<10	22	92	9	<20	<20	6	0.59	0.22	0.46	<.01	.39	17	4	4	2	<1	<5	<10	<.01	30	6.29
779970		6.7	59	4531	3603	1	18	7	13.3	<5	36	8	3.75	2867	<10	38	114	4	<20	<20	3	0.34	2.49	5.69	0.01	.23	236	5	2	2	<1	<5	<10	<.01	14	1.98
779971		4.3	222	1226	3301	2	44	20	10.9	<5	68	7	5.50	679	<10	42	86	7	<20	<20	6	0.57	0.88	1.81	<.01	.37	55	4	4	2	<1	<5	<10	<.01	31	5.56
779972		2.6	69	842	2210	2	27	13	7.0	<5	34	<5	2.51	362	<10	58	52	7	<20	<20	11	0.62	0.47	0.92	<.01	.42	29	5	3	2	<1	<5	<10	<.01	35	2.69
779973		2.3	32	512	765	1	26	12	2.4	<5	36	<5	2.31	289	<10	68	62	9	<20	<20	11	0.75	0.37	0.66	<.01	.50	21	5	3	3	<1	<5	<10	<.01	39	2.45
779974		1.9	32	459	2735	2	28	13	8.4	<5	40	<5	2.90	850	<10	54	61	6	<20	<20	7	0.59	1.06	2.13	<.01	.39	57	4	3	2	<1	<5	<10	<.01	27	2.74
779975		0.6	46	107	263	<1	35	17	0.7	<5	23	<5	3.20	379	<10	58	56	6	<20	<20	11	0.66	0.63	1.19	<.01	.43	39	5	3	2	<1	<5	<10	<.01	34	3.30
779976		0.3	33	43	122	1	30	15	0.3	<5	18	<5	3.13	389	<10	55	44	6	<20	<20	12	0.60	0.75	1.42	<.01	.40	43	5	3	2	<1	<5	<10	<.01	31	3.10
779977		1.1	51	51	69	<1	45	20	<0.2	<5	27	<5	6.20	467	<10	36	63	7	<20	<20	9	0.69	0.86	1.66	<.01	.43	50	4	5	3	<1	<5	<10	<.01	33	6.18
779978		0.6	47	20	55	<1	50	23	<0.2	<5	30	<5	5.38	198	<10	42	46	6	<20	<20	12	0.63	0.37	0.70	<.01	.40	21	4	4	2	<1	<5	<10	<.01	41	5.79
779979		0.2	49	8	16	1	32	21	<0.2	<5	16	<5	2.44	192	<10	61	44	7	<20	<20	14	0.76	0.39	0.69	<.01	.50	23	5	3	3	<1	<5	<10	<.01	38	2.56
779980		0.3	62	9	23	<1	37	21	<0.2	<5	23	<5	2.78	261	<10	52	34	5	<20	<20	14	0.56	0.48	0.96	<.01	.38	31	5	3	2	<1	<5	<10	<.01	32	2.90

CHIMITEC
BONDAR CLEGG

VANCOUVER BRANCH

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
779981			<0.2	24	4	10	1	26	13	<0.2	<5	13	<5	1.67	478	<10	65	34	6	<20	<20	14	0.73	0.83	1.62	<.01	.47	51	6	2	3	<1	<5	<10	<.01	19	1.34
779982			0.3	36	9	43	1	33	18	0.5	<5	17	<5	2.49	153	<10	57	39	6	<20	<20	15	0.65	0.33	0.61	<.01	.44	23	6	3	3	<1	<5	<10	<.01	39	2.72
779983			0.4	85	2	15	<1	31	13	0.3	<5	18	<5	2.09	609	<10	61	35	6	<20	<20	9	0.76	1.39	2.79	<.01	.47	110	5	3	3	<1	<5	<10	<.01	17	1.08
779984			0.3	57	5	17	<1	24	13	<0.2	<5	15	<5	2.21	678	<10	55	27	6	<20	<20	10	0.65	1.52	3.08	<.01	.41	116	6	2	3	<1	<5	<10	<.01	17	1.23
779985		<5	<0.2	22	5	8	1	19	11	<0.2	<5	5	<5	1.66	163	<10	63	33	7	<20	<20	14	0.73	0.37	0.65	<.01	.49	23	6	2	3	<1	<5	<10	<.01	32	1.72
779986			2.2	37	8	24	<1	19	13	<0.2	<5	14	<5	1.96	53	<10	45	23	5	<20	<20	18	0.51	0.15	0.25	<.01	.38	10	5	2	2	<1	<5	<10	<.01	44	2.28
779987			0.4	39	9	37	<1	24	17	<0.2	<5	13	<5	2.35	57	<10	55	38	6	<20	<20	16	0.56	0.16	0.27	<.01	.40	11	5	2	2	<1	<5	<10	<.01	39	2.70
779988			<0.2	55	5	21	<1	34	17	<0.2	<5	21	<5	2.16	447	<10	50	28	5	<20	<20	11	0.52	0.93	1.85	<.01	.35	62	5	2	2	<1	<5	<10	<.01	26	1.85
779989			0.3	48	7	28	<1	36	21	<0.2	<5	18	<5	3.09	304	<10	51	37	6	<20	<20	11	0.62	0.64	1.24	<.01	.42	39	5	3	2	<1	<5	<10	<.01	33	3.24
779990		<5	0.6	44	12	24	<1	36	23	<0.2	<5	17	<5	4.36	163	<10	30	44	5	<20	<20	11	0.47	0.33	0.63	<.01	.33	20	5	3	2	<1	<5	<10	<.01	38	4.86
779991			<0.2	30	4	27	1	42	16	<0.2	<5	30	<5	2.65	497	<10	51	41	5	<20	<20	8	0.56	1.12	2.18	<.01	.38	67	5	3	2	<1	<5	<10	<.01	25	2.39
779992			0.3	36	7	19	1	30	20	<0.2	<5	18	<5	2.82	290	<10	47	38	5	<20	<20	12	0.50	0.63	1.21	<.01	.34	37	5	3	2	<1	<5	<10	<.01	34	2.94
779993			<0.2	41	2	17	<1	25	13	<0.2	<5	18	<5	2.17	696	<10	56	37	6	<20	<20	8	0.61	1.47	3.09	<.01	.41	90	5	3	2	<1	<5	<10	<.01	20	1.24
779994			1.5	57	32	61	1	58	22	<0.2	<5	151	6	9.26	393	<10	22	79	5	<20	<20	6	0.40	0.76	1.62	<.01	.27	45	4	6	1	<1	<5	<10	<.01	25	9.39
779995		6	0.3	34	8	11	1	27	15	<0.2	<5	11	<5	2.31	213	<10	51	48	5	<20	<20	13	0.57	0.50	0.95	<.01	.40	31	5	3	2	<1	<5	<10	<.01	31	2.31
779996			0.2	31	5	12	2	26	17	<0.2	<5	16	<5	2.39	508	<10	47	35	5	<20	<20	10	0.51	1.07	2.17	<.01	.35	66	5	2	2	<1	<5	<10	<.01	25	1.95
779997			<0.2	34	6	15	<1	33	18	<0.2	<5	20	<5	2.91	607	<10	60	44	6	<20	<20	9	0.66	1.40	2.72	<.01	.39	76	6	3	3	<1	<5	<10	<.01	26	2.36
779998			1.3	69	78	423	5	41	19	0.8	<5	47	5	6.59	503	<10	41	52	5	<20	<20	9	0.53	1.19	2.33	<.01	.34	71	5	5	2	<1	<5	<10	<.01	33	6.36
779999			<0.2	34	7	19	1	29	15	0.5	<5	10	<5	3.12	558	<10	55	40	6	<20	<20	9	0.68	1.58	2.10	<.01	.41	68	5	3	3	<1	<5	<10	<.01	27	2.06
780000			<0.2	39	9	26	1	31	15	<0.2	<5	11	<5	3.40	610	<10	46	32	5	<20	<20	10	0.56	1.98	1.69	<.01	.35	53	4	3	2	<1	<5	<10	<.01	18	1.11

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P4N 2K1

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57049.0 (COMPLETE)

REFERENCE: 167332

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.D.

PROJECT: MID

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010208	11 As	As - IC01	59	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	12 Sb	Sb - IC01	59	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	13 Fe	Fe - IC01	59	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	14 Mn	Mn - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	15 TE	Te - IC01	59	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	16 Ba	Ba - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	17 Cr	Cr - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	18 V	V - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	19 Sn	Sn - IC01	59	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	20 W	W - IC01	59	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	21 La	La - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	22 Al	Al - IC01	59	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	23 Mg	Mg - IC01	59	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	24 Ca	Ca - IC01	59	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	25 Na	Na - IC01	59	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	26 K	K - IC01	59	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	27 Sr	Sr - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	28 Y	Y - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	29 Ga	Ga - IC01	59	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	30 Li	Li - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	31 Nb	Nb - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	32 Sc	Sc - IC01	59	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	33 Ta	Ta - IC01	59	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	34 Ti	Ti - IC01	59	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	35 Zr	Zr - IC01	59	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010208	36 S	S - IC01	59	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	59	-150	59	CRUSH, SPLIT	59
				PULVERIZATION	59

REPORT COPIES TO: MR R.SKERIES

INVOICE TO: MR R.SKERIES

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57049.0 (COMPLETE)
DATE RECEIVED: 05-FEB-01 DATE PRINTED: 12-FEV-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780001		8	0.3	39	5	21	1	31	18	<.2	<5	11	<5	2.49	480	<10	52	62	6	<20	<20	11	.57	1.02	1.60	0.01	.45	59	5	<2	3	<1	<5	<10	<.01	28	1.78
780002			1.2	65	34	71	2	57	31	0.3	<5	25	<5	6.08	135	<10	19	100	8	<20	<20	14	.66	0.27	0.51	<.01	.52	19	6	<2	3	<1	<5	<10	<.01	61	6.54
780003		<5	0.2	39	14	77	2	31	18	0.3	<5	13	<5	2.77	480	<10	60	58	8	<20	<20	12	.68	0.99	1.97	0.02	.54	75	6	<2	3	<1	<5	<10	<.01	30	2.34
780004			0.4	40	7	41	1	35	23	<.2	<5	9	<5	2.80	147	<10	61	76	7	<20	<20	16	.68	0.32	0.57	0.01	.54	20	5	<2	3	<1	<5	<10	<.01	48	2.85
780005			0.5	37	10	46	<1	38	23	0.3	<5	24	<5	3.89	170	<10	51	84	8	<20	<20	14	.68	0.38	0.68	0.02	.55	24	6	<2	3	<1	<5	<10	<.01	50	3.94
780006			0.4	37	10	47	2	36	24	0.3	<5	21	<5	4.11	191	<10	43	74	8	<20	<20	15	.71	0.43	0.78	0.02	.57	28	6	<2	3	<1	<5	<10	<.01	60	4.09
780007		7	0.7	65	13	180	1	47	34	0.4	<5	14	<5	4.60	127	<10	31	58	8	<20	<20	14	.66	0.31	0.57	0.01	.53	21	6	<2	3	<1	<5	<10	<.01	57	4.81
780008			<.2	23	5	47	2	15	11	<.2	<5	<5	<5	1.37	137	<10	57	68	7	<20	<20	15	.63	0.33	0.59	0.02	.52	21	5	<2	3	<1	<5	<10	<.01	31	1.27
780009		6	0.5	45	9	69	2	35	24	0.2	<5	9	<5	3.92	159	<10	43	63	7	<20	<20	12	.58	0.36	0.67	0.01	.46	23	5	<2	3	<1	<5	<10	<.01	49	4.14
780010			<.2	29	<2	29	2	31	17	<.2	<5	11	<5	2.56	522	<10	45	53	6	<20	<20	9	.51	1.34	2.59	0.01	.41	91	6	<2	2	<1	<5	<10	<.01	27	2.14
780011			<.2	42	5	137	2	38	23	0.3	<5	10	<5	3.50	263	<10	48	49	7	<20	<20	9	.56	0.57	1.09	0.02	.45	36	5	<2	3	<1	<5	<10	<.01	42	3.57
780012		<5	0.3	39	4	92	1	32	22	0.3	<5	7	<5	2.67	89	<10	52	45	7	<20	<20	13	.58	0.20	0.36	0.02	.47	14	5	<2	3	<1	<5	<10	<.01	46	2.77
780013			0.2	43	5	112	<1	35	22	0.3	<5	7	<5	3.40	176	<10	42	50	6	<20	<20	11	.51	0.40	0.75	0.02	.41	25	5	<2	2	<1	<5	<10	<.01	43	3.54
780014			0.3	30	5	76	1	29	18	0.3	<5	6	<5	2.61	240	<10	44	47	6	<20	<20	9	.53	0.54	1.02	0.02	.43	34	5	<2	2	<1	<5	<10	<.01	38	2.56
780015			0.4	43	7	75	2	41	24	0.2	<5	11	7	4.34	127	<10	37	50	6	<20	<20	7	.51	0.31	0.57	0.01	.40	21	5	<2	2	<1	<5	<10	<.01	49	4.66
780016			0.6	45	10	133	4	52	26	0.4	<5	21	<5	5.17	136	<10	26	54	7	<20	<20	10	.65	0.38	0.64	0.01	.50	21	4	<2	3	<1	<5	<10	<.01	48	5.54
780017			0.4	33	6	70	4	40	25	0.3	<5	11	<5	3.47	138	<10	45	42	6	<20	<20	12	.53	0.38	0.68	<.01	.43	23	5	<2	2	<1	<5	<10	<.01	48	3.69
780018			0.3	32	3	71	2	32	23	0.2	<5	8	<5	3.19	153	<10	48	57	7	<20	<20	9	.60	0.42	0.76	0.02	.47	25	5	<2	3	<1	<5	<10	<.01	48	3.32
780019			0.4	43	8	168	2	39	25	0.4	<5	9	<5	4.38	217	<10	38	55	6	<20	<20	7	.51	0.64	1.16	0.01	.40	38	5	<2	2	<1	<5	<10	<.01	44	4.70
780020			0.4	28	8	59	1	28	20	0.3	<5	6	<5	3.45	386	<10	41	50	6	<20	<20	6	.51	1.08	1.99	0.02	.41	63	6	<2	3	<1	<5	<10	<.01	38	3.51
780021			0.5	29	9	89	2	26	18	0.2	<5	<5	<5	3.47	463	<10	38	53	6	<20	<20	5	.48	1.37	2.58	0.01	.38	78	6	<2	2	<1	<5	<10	<.01	34	3.51
780022			0.5	30	6	95	2	25	19	<.2	<5	5	<5	3.40	446	<10	44	40	7	<20	<20	5	.59	1.34	2.48	<.01	.46	76	7	<2	3	<1	<5	<10	<.01	28	3.42
780023		6	0.5	29	10	84	1	30	20	<.2	<5	6	<5	3.72	166	<10	41	56	6	<20	<20	5	.52	0.52	0.98	<.01	.40	30	5	<2	2	<1	<5	<10	<.01	52	4.03
780024			0.5	31	10	50	1	32	22	0.4	<5	5	<5	4.56	159	<10	36	51	7	<20	<20	5	.59	0.37	0.65	0.01	.46	20	5	<2	3	<1	<5	<10	<.01	61	4.82
780025		<5	<.2	30	3	36	2	39	23	<.2	<5	5	<5	3.68	165	<10	38	52	7	<20	<20	8	.54	0.28	0.54	0.02	.41	17	4	<2	2	<1	<5	<10	<.01	46	3.90
780026			<.2	32	3	38	2	38	22	0.3	<5	6	<5	3.46	184	<10	46	60	8	<20	<20	8	.62	0.28	0.55	0.03	.46	16	4	<2	2	<1	<5	<10	<.01	44	3.52
780027			0.6	49	10	96	2	47	25	<.2	<5	8	<5	5.04	335	<10	33	68	7	<20	<20	5	.54	0.42	1.03	0.02	.39	26	6	<2	2	<1	<5	<10	<.01	34	5.44
780028			<.2	36	3	56	1	36	22	<.2	<5	6	<5	3.13	138	<10	50	58	8	<20	<20	8	.62	0.25	0.51	0.02	.47	14	5	<2	2	<1	<5	<10	<.01	47	3.27
780029			0.3	48	5	1706	1	26	15	1.9	<5	<5	<5	3.30	808	<10	35	103	6	<20	<20	4	.37	1.18	2.39	0.02	.29	82	7	<2	2	<1	<5	<10	<.01	34	3.20
780030			0.5	41	9	97	1	41	24	0.4	<5	7	<5	4.60	155	<10	36	58	7	<20	<20	6	.53	0.29	0.57	0.02	.41	17	5	<2	2	<1	<5	<10	<.01	53	4.66

CHIMITEC BONDAR CLEGG

ISO 9002 REGISTERED LAB KPMG VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW PROJECT: MID

REPORT: T01-57049.0 (COMPLETE) DATE RECEIVED: 05-FEB-01 DATE PRINTED: 12-FEV-01

SAMPLE NUMBER	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780031		0.4	35	4	60	1	37	23	0.2	<5	<5	<5	3.61	225	<10	38	47	6	<20	<20	5	.43	0.43	0.85	0.02	.34	22	4	<2	2	<1	<5	<10	<.01	43	3.75
780032	5	0.4	38	7	57	2	37	22	0.2	<5	7	<5	3.88	178	<10	40	49	7	<20	<20	5	.52	0.45	0.85	0.02	.41	23	5	<2	2	<1	<5	<10	<.01	47	4.00
780033		0.5	35	6	68	<1	34	24	0.3	<5	6	<5	3.47	239	<10	40	62	6	<20	<20	4	.46	0.61	1.19	0.02	.36	30	5	<2	2	<1	<5	<10	<.01	42	3.56
780034		0.4	39	6	56	2	36	22	0.3	<5	5	<5	3.64	326	<10	43	49	7	<20	<20	5	.52	0.84	1.62	0.02	.40	40	5	<2	2	<1	<5	<10	<.01	41	3.69
780035		0.4	33	7	73	1	33	22	0.3	<5	6	<5	3.93	180	<10	36	61	6	<20	<20	5	.44	0.42	0.82	0.02	.35	21	4	<2	2	<1	<5	<10	<.01	41	4.16
780036		0.4	32	6	84	<1	38	24	0.3	<5	<5	<5	3.93	151	<10	45	64	7	<20	<20	5	.55	0.34	0.65	0.02	.42	17	4	<2	2	<1	<5	<10	<.01	46	4.09
780037	8	0.4	35	5	96	2	37	22	0.3	<5	<5	<5	4.14	311	<10	36	56	6	<20	<20	5	.44	0.73	1.45	0.02	.34	35	5	<2	2	<1	<5	<10	<.01	42	4.31
780038		0.3	37	6	61	2	38	22	<.2	<5	5	<5	3.41	332	<10	43	67	7	<20	<20	5	.51	0.86	1.67	0.02	.40	41	5	<2	2	<1	<5	<10	<.01	40	3.38
780039		0.4	49	4	83	2	38	24	<.2	<5	6	<5	4.37	141	<10	32	73	7	<20	<20	5	.50	0.30	0.60	0.02	.39	16	4	<2	2	<1	<5	<10	<.01	50	4.69
780040		0.3	36	6	73	1	36	23	0.2	<5	<5	<5	3.65	161	<10	38	69	8	<20	<20	5	.56	0.34	0.66	0.03	.42	17	4	<2	2	<1	<5	<10	<.01	42	3.82
780041		<.2	37	6	52	2	34	20	<.2	<5	<5	<5	2.99	228	<10	42	68	7	<20	<20	6	.47	0.53	1.07	0.03	.37	27	4	<2	2	<1	<5	<10	<.01	39	2.98
780042		0.2	32	5	43	2	35	21	0.3	<5	<5	<5	3.10	270	<10	47	59	7	<20	<20	6	.55	0.72	1.43	0.02	.44	38	5	<2	2	<1	<5	<10	<.01	42	2.94
780043		0.4	34	6	66	1	30	21	<.2	<5	<5	<5	3.10	165	<10	42	54	6	<20	<20	5	.47	0.36	0.73	0.02	.37	18	4	<2	2	<1	<5	<10	<.01	43	3.15
780044		0.6	36	7	50	1	41	26	<.2	<5	7	<5	4.23	213	<10	42	66	7	<20	<20	5	.56	0.46	0.91	0.02	.43	23	5	<2	2	<1	<5	<10	<.01	45	4.42
780045		0.5	34	6	55	1	39	24	0.2	<5	6	<5	3.86	212	<10	42	54	7	<20	<20	5	.49	0.44	0.91	0.02	.38	23	5	<2	2	<1	<5	<10	<.01	43	4.02
780046		0.5	37	7	68	2	36	23	<.2	<5	5	<5	3.48	237	<10	45	57	7	<20	<20	5	.53	0.44	0.95	0.02	.42	22	5	<2	2	<1	<5	<10	<.01	42	3.42
780047		0.6	33	8	65	1	37	22	<.2	<5	5	<5	3.65	294	<10	41	55	6	<20	<20	4	.45	0.54	1.18	0.02	.36	28	5	<2	2	<1	<5	<10	<.01	43	3.40
780048		0.8	77	7	156	1	44	21	0.4	<5	8	<5	6.12	253	14	16	76	7	<20	<20	4	.50	0.50	1.10	0.02	.38	27	4	<2	2	<1	<5	<10	<.01	41	6.21
780049		0.4	34	6	102	1	36	22	0.4	<5	6	<5	3.61	276	<10	39	51	6	<20	<20	5	.44	0.55	1.26	0.02	.36	30	5	<2	2	<1	<5	<10	<.01	40	3.36
780050		0.4	29	5	113	1	31	20	<.2	<5	<5	<5	3.05	268	<10	46	52	7	<20	<20	5	.53	0.55	1.26	0.03	.42	31	5	<2	2	<1	<5	<10	<.01	36	2.71
780051		1.8	33	10	18	2	35	25	0.3	<5	15	<5	4.93	91	<10	27	50	8	<20	<20	7	.70	0.12	0.66	0.01	.54	17	8	<2	2	<1	<5	<10	<.01	13	5.22
780052		<.2	29	2	11	<1	18	15	0.2	<5	21	<5	2.34	652	<10	61	52	7	<20	<20	15	.64	0.49	1.35	0.02	.57	32	5	<2	2	<1	<5	<10	<.01	15	0.05
780053		0.6	22	5	159	2	15	16	<.2	<5	14	<5	3.01	928	<10	44	94	6	<20	<20	11	.43	0.65	2.09	0.01	.40	52	5	<2	2	<1	<5	<10	<.01	19	0.29
780054		0.4	28	<2	13	2	15	17	<.2	<5	19	<5	3.05	905	<10	53	54	6	<20	<20	16	.53	0.67	1.90	0.01	.47	45	6	<2	2	<1	<5	<10	<.01	21	0.18
780055		0.3	39	<2	10	<1	15	19	<.2	<5	24	<5	2.41	521	<10	56	46	5	<20	<20	14	.53	0.48	0.97	0.01	.47	25	5	<2	2	<1	<5	<10	<.01	18	0.10
780056		0.3	33	7	1176	2	16	16	1.5	<5	13	<5	2.84	988	<10	62	69	6	<20	<20	15	.59	0.63	1.92	0.01	.52	58	7	<2	2	<1	<5	<10	<.01	25	0.53
780057		0.9	35	4	11	2	21	20	<.2	<5	15	<5	2.87	662	11	58	53	6	<20	<20	14	.54	0.62	1.71	0.01	.49	52	6	<2	2	<1	<5	<10	<.01	31	1.24
780058		1.3	33	12	18	2	24	20	<.2	<5	14	<5	2.52	816	<10	57	65	8	<20	<20	12	.46	0.60	1.73	0.02	.40	63	6	<2	1	<1	<5	<10	<.01	32	1.59
780059		1.2	43	5	21	<1	32	19	<.2	<5	25	<5	2.89	800	<10	52	48	6	<20	<20	10	.48	0.97	2.66	0.01	.42	94	7	<2	2	<1	<5	<10	<.01	28	1.46

CANADIAN ARROW
MR R.SKERIES
SUITE 104, 85 PINE ST S
TIMMINS, ONTARIO
P4N 2K1

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57050.0 (COMPLETE)

REFERENCE: 167333

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.D.

PROJECT: MID

DATE RECEIVED: 08-FEB-01 DATE PRINTED: 19-FEV-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010212	1 Au30	Gold	14	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010212	2 Ag	Ag - ICO1	89	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	3 Cu	Cu - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	4 Pb	Pb - ICO1	89	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	5 Zn	Zn - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	6 Mo	Mo - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	7 Ni	Ni - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	8 Co	Co - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	9 Cd	Cd - ICO1	89	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	10 Bi	Bi - ICO1	89	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	11 As	As - ICO1	89	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	12 Sb	Sb - ICO1	89	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	13 Fe	Fe - ICO1	89	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	14 Mn	Mn - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	15 TE	Te - ICO1	89	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	16 Ba	Ba - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	17 Cr	Cr - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	18 V	V - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	19 Sn	Sn - ICO1	89	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	20 W	W - ICO1	89	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	21 La	La - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	22 Al	Al - ICO1	89	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	23 Mg	Mg - ICO1	89	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	24 Ca	Ca - ICO1	89	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	25 Na	Na - ICO1	89	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	26 K	K - ICO1	89	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	27 Sr	Sr - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	28 Y	Y - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	29 Ga	Ga - ICO1	89	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	30 Li	Li - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	31 Nb	Nb - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	32 Sc	Sc - ICO1	89	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	33 Ta	Ta - ICO1	89	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	34 Ti	Ti - ICO1	89	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	35 Zr	Zr - ICO1	89	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010212	36 S	S - ICO1	89	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	89	-150	89	CRUSH, SPLIT	89
				PULVERIZATION	89

REPORT COPIES TO: MR R.SKERIES

INVOICE TO: MR R.SKERIES

CLIENT: CANADIAN ARROW

PROJECT: MID

REPORT: T01-57050.0 (COMPLETE)

DATE RECEIVED: 08-FEB-01 DATE PRINTED: 19-FEV-01

SAMPLE NUMBER	ELEMENT UNITS Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780060		<.2	18	3	39	2	6	7	<.2	<5	<5	<5	2.10	764	<10	70	45	3	<20	<20	16	0.78	1.01	1.36	<.01	.45	23	6	<2	8	<1	<5	<10	<.01	28	0.35
780061		<.2	13	10	37	2	4	6	<.2	<5	<5	<5	1.65	882	<10	58	120	3	<20	<20	16	0.56	1.04	2.10	<.01	.38	42	5	<2	3	<1	<5	<10	<.01	31	0.27
780062		0.2	26	18	59	2	5	12	<.2	<5	9	<5	2.57	804	<10	78	57	5	<20	<20	17	0.84	1.29	1.59	<.01	.53	37	7	<2	6	<1	<5	<10	<.01	42	0.47
780063		0.2	32	10	96	2	6	12	0.2	<5	9	<5	2.85	861	<10	68	45	7	<20	<20	16	0.96	1.72	1.51	<.01	.46	38	6	<2	12	<1	<5	<10	<.01	34	0.18
780064	10	0.9	41	12	70	3	5	12	0.3	<5	9	<5	3.01	785	<10	87	46	8	<20	<20	15	0.84	1.41	1.47	<.01	.60	45	6	<2	4	<1	<5	<10	<.01	36	0.58
780065		0.9	30	10	41	2	4	12	<.2	<5	9	<5	2.23	569	<10	83	37	7	<20	<20	15	0.74	0.95	1.04	<.01	.53	32	5	<2	4	<1	<5	<10	<.01	32	0.53
780066		0.4	30	6	41	3	3	9	<.2	<5	<5	<5	2.34	686	<10	94	34	7	<20	<20	16	0.86	1.11	1.07	<.01	.59	31	6	<2	4	<1	<5	<10	<.01	30	0.24
780067	262	1.3	37	51	131	2	6	13	0.4	<5	9	<5	2.56	756	<10	75	53	9	<20	<20	11	1.20	1.27	1.75	<.01	.51	48	6	<2	18	<1	<5	<10	<.01	40	1.12
780068	34	0.9	24	8	48	3	6	13	<.2	<5	9	<5	3.09	1051	<10	71	32	9	<20	<20	9	1.29	1.70	2.50	<.01	.47	60	5	<2	21	<1	<5	<10	<.01	34	1.23
780069		0.8	24	10	46	2	5	12	<.2	<5	7	<5	2.39	896	<10	77	33	6	<20	<20	15	1.13	1.35	2.19	<.01	.55	55	6	<2	16	<1	<5	<10	<.01	35	0.69
780070		0.4	18	8	35	2	3	7	<.2	<5	<5	<5	1.46	606	<10	78	23	5	<20	<20	18	1.07	0.95	1.44	<.01	.54	36	6	<2	14	<1	<5	<10	<.01	32	0.23
780071		1.8	37	16	44	2	8	16	<.2	<5	18	<5	3.30	588	<10	68	52	13	<20	<20	11	1.19	1.15	1.03	0.01	.42	30	6	<2	24	<1	<5	<10	<.01	36	2.05
780072	60	2.1	36	13	32	4	8	14	0.2	<5	17	<5	3.19	509	<10	73	58	14	<20	<20	10	0.75	0.70	1.04	<.01	.45	32	7	<2	11	<1	<5	<10	<.01	41	2.29
780073		0.4	28	6	63	2	6	10	<.2	<5	<5	<5	2.54	982	<10	71	36	13	<20	<20	13	1.44	1.67	1.86	0.02	.46	54	6	<2	29	<1	<5	<10	<.01	32	0.22
780074		0.4	32	8	50	2	6	12	<.2	<5	<5	<5	2.49	746	<10	80	18	13	<20	<20	17	1.57	1.50	1.47	0.01	.55	40	6	2	31	<1	<5	<10	<.01	35	0.28
780075		0.7	28	8	56	3	6	13	0.3	<5	<5	<5	3.39	1531	<10	64	33	13	<20	<20	12	1.65	2.56	3.33	0.02	.45	86	6	<2	36	<1	<5	<10	<.01	33	0.22
780076		0.5	27	2	59	4	8	16	<.2	<5	<5	<5	3.43	996	<10	64	28	14	<20	<20	13	1.83	2.25	2.35	0.02	.45	59	6	<2	40	<1	<5	<10	<.01	33	0.35
780077		1.5	29	7	76	4	7	13	<.2	<5	<5	<5	3.12	884	<10	72	41	10	<20	<20	13	1.47	1.99	2.73	<.01	.51	73	6	<2	25	<1	<5	<10	<.01	27	0.74
780078		0.8	38	6	65	4	9	14	0.4	<5	5	<5	3.17	496	<10	83	50	15	<20	<20	18	1.93	1.76	1.40	0.01	.63	44	6	<2	36	<1	<5	<10	<.01	31	0.30
780079		3.4	51	16	66	8	7	13	0.2	<5	<5	<5	2.66	606	<10	63	58	9	<20	<20	16	1.19	1.55	2.24	<.01	.49	65	6	<2	20	<1	<5	<10	<.01	25	0.33
780080		0.8	55	5	40	2	2	13	<.2	<5	7	<5	2.89	558	<10	76	55	14	<20	<20	16	1.15	1.16	2.19	0.03	.54	46	5	<2	19	<1	<5	<10	<.01	22	0.06
780081		1.6	54	15	34	3	15	11	<.2	<5	<5	<5	2.52	618	<10	51	99	8	<20	<20	14	1.02	1.61	2.56	0.01	.42	65	8	<2	19	<1	<5	<10	<.01	33	0.33
780082		0.9	23	3	56	2	20	14	<.2	<5	6	<5	2.67	338	<10	62	82	12	<20	<20	18	1.67	1.80	1.62	0.02	.54	41	7	2	36	<1	<5	<10	<.01	40	0.09
780083		0.3	23	3	47	3	9	14	<.2	<5	<5	<5	2.94	550	<10	61	53	12	<20	<20	17	1.58	2.02	2.38	0.03	.46	60	6	<2	31	<1	<5	<10	<.01	24	0.13
780084		0.4	26	4	99	3	9	17	<.2	<5	<5	<5	3.52	223	<10	57	53	15	<20	<20	11	1.69	1.66	1.31	0.04	.41	34	4	2	28	<1	<5	<10	<.01	18	0.67
780085		0.4	23	8	72	3	7	13	0.3	<5	<5	<5	2.97	217	<10	44	69	13	<20	<20	13	1.08	1.39	1.55	0.04	.36	40	4	<2	19	<1	<5	<10	<.01	20	0.28
780086		0.4	34	4	59	4	7	15	<.2	<5	<5	<5	3.23	202	<10	53	47	14	<20	<20	14	1.11	1.33	1.25	0.06	.44	32	4	<2	17	<1	<5	<10	<.01	20	0.50
780087		0.3	30	3	39	3	6	12	<.2	<5	7	<5	2.81	215	<10	53	31	8	<20	<20	15	0.77	1.29	1.22	0.03	.42	28	4	<2	7	<1	<5	<10	<.01	17	0.13
780088		0.2	33	2	30	2	5	12	<.2	<5	6	<5	2.60	220	<10	66	26	8	<20	<20	17	0.81	1.22	1.10	0.04	.55	28	5	<2	4	<1	<5	<10	<.01	19	0.10
780089		0.6	31	3	34	3	5	13	<.2	<5	<5	<5	2.60	239	<10	48	44	6	<20	<20	14	0.55	1.09	1.36	0.03	.38	34	4	<2	3	<1	<5	<10	<.01	16	0.65

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
REPORT: T01-57050.0 (COMPLETE)

PROJECT: MID
DATE RECEIVED: 08-FEB-01 DATE PRINTED: 19-FEV-01 PAGE 2 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780090			0.7	31	5	21	3	7	16	<.2	<5	5	<5	3.00	131	<10	58	47	8	<20	<20	13	0.69	0.69	0.63	0.04	.52	19	4	<2	4	<1	<5	<10	<.01	18	1.49
780091			0.6	35	<2	22	3	4	12	<.2	<5	<5	<5	2.31	238	<10	53	29	6	<20	<20	15	0.65	1.04	1.20	0.02	.46	33	4	<2	3	<1	<5	<10	<.01	19	0.41
780092		<5	0.9	32	5	18	3	7	16	<.2	<5	7	<5	4.09	292	<10	55	51	8	<20	<20	12	0.81	1.29	1.25	0.01	.60	40	5	<2	5	<1	<5	<10	<.01	32	1.92
780093		<5	0.7	18	5	23	4	9	14	<.2	<5	10	<5	2.68	516	<10	45	76	6	<20	<20	11	0.66	1.45	2.52	<.01	.48	65	5	<2	3	<1	<5	<10	<.01	27	0.73
780094			0.2	37	3	21	2	14	19	<.2	<5	17	<5	3.44	480	<10	61	37	8	<20	<20	15	0.93	1.37	0.97	<.01	.71	30	5	<2	5	<1	<5	<10	<.01	26	0.22
780095			1.3	40	7	32	2	19	20	<.2	<5	18	<5	3.64	522	<10	49	37	6	<20	<20	13	0.71	1.19	1.36	<.01	.56	44	5	<2	4	<1	<5	<10	<.01	32	1.47
780096			0.2	30	3	37	1	14	16	<.2	<5	17	<5	3.20	635	<10	54	47	7	<20	<20	13	0.81	1.48	1.45	<.01	.60	42	5	<2	4	<1	<5	<10	<.01	23	0.15
780097			1.2	32	7	41	2	19	21	<.2	<5	11	<5	3.42	565	<10	41	52	6	<20	<20	12	0.56	1.08	1.13	<.01	.44	35	5	<2	3	<1	<5	<10	<.01	27	1.15
780098			0.3	31	<2	53	2	15	15	<.2	<5	11	<5	3.07	602	<10	50	53	7	<20	<20	13	0.76	1.30	0.97	<.01	.57	31	5	<2	3	<1	<5	<10	<.01	24	0.31
780099			0.9	30	8	56	2	18	16	0.2	<5	17	<5	3.24	559	<10	41	43	7	<20	<20	11	0.62	1.14	1.04	<.01	.48	33	5	<2	3	<1	<5	<10	<.01	28	1.19
780100			1.2	34	6	54	2	20	17	<.2	<5	13	<5	3.48	571	<10	47	54	8	<20	<20	11	0.69	0.97	0.98	<.01	.57	34	5	<2	3	<1	<5	<10	<.01	31	1.57
780101		<5	0.9	36	7	24	2	20	19	<.2	<5	10	<5	3.59	511	<10	39	60	6	<20	<20	12	0.55	0.99	0.65	<.01	.48	23	5	<2	3	<1	<5	<10	<.01	29	1.20
780102			0.5	31	<2	29	1	16	16	<.2	<5	11	<5	3.32	446	<10	49	31	8	<20	<20	14	0.77	1.08	0.34	<.01	.63	12	5	<2	4	<1	<5	<10	<.01	26	0.60
780103			0.3	31	3	33	1	16	17	<.2	<5	9	<5	3.18	465	<10	41	42	6	<20	<20	13	0.63	1.15	0.33	<.01	.49	10	4	<2	3	<1	<5	<10	<.01	22	0.62
780104			0.2	31	4	39	2	16	16	<.2	<5	11	<5	3.38	605	<10	43	40	6	<20	<20	13	0.69	1.40	0.67	<.01	.56	22	5	<2	3	<1	<5	<10	<.01	21	0.36
780105			0.5	48	3	22	1	16	18	<.2	<5	17	<5	2.90	390	<10	35	33	5	<20	<20	13	0.55	1.01	0.36	<.01	.44	11	5	<2	3	<1	<5	<10	<.01	21	0.69
780106			0.3	30	<2	48	1	13	16	<.2	<5	12	<5	3.55	529	<10	44	41	8	<20	<20	13	0.69	1.42	0.47	<.01	.57	17	5	<2	3	<1	<5	<10	<.01	22	0.17
780107			<.2	41	3	41	2	15	15	<.2	<5	14	<5	3.23	585	<10	40	48	6	<20	<20	13	0.64	1.37	0.71	<.01	.50	24	5	<2	3	<1	<5	<10	<.01	22	0.21
780108			0.7	41	8	97	2	16	17	<.2	<5	15	<5	3.29	1032	<10	42	63	7	<20	<20	11	0.75	1.56	2.22	<.01	.57	77	5	<2	3	<1	<5	<10	<.01	20	0.41
780109			<.2	26	3	42	2	14	16	<.2	<5	16	<5	3.63	731	<10	34	62	7	<20	<20	14	0.60	1.54	1.19	<.01	.50	50	5	<2	3	<1	<5	<10	<.01	20	0.17
780110		<5	0.3	38	3	28	2	14	17	<.2	<5	14	<5	3.52	690	<10	43	44	8	<20	<20	14	0.80	1.36	0.99	<.01	.65	35	5	<2	3	<1	<5	<10	<.01	20	0.18
780111			2.9	30	12	95	3	28	23	0.3	<5	38	<5	4.70	1058	<10	29	70	7	<20	<20	8	0.48	0.93	1.95	<.01	.42	58	5	<2	2	<1	<5	<10	<.01	33	3.52
780112			2.8	29	10	128	2	23	16	0.4	<5	24	<5	3.80	856	<10	34	97	9	<20	<20	10	0.41	0.94	1.76	<.01	.42	57	5	<2	2	<1	<5	<10	<.01	27	1.99
780113		6	1.4	24	8	32	2	19	17	<.2	<5	17	<5	4.36	2041	<10	27	73	7	<20	<20	8	0.40	1.74	4.36	<.01	.36	113	5	<2	2	<1	<5	<10	<.01	28	1.99
780114			0.3	35	5	44	3	16	14	1.6	<5	19	<5	3.22	549	<10	38	58	8	<20	<20	15	0.60	1.18	0.93	<.01	.54	31	6	<2	3	<1	<5	<10	<.01	25	0.33
780115			0.8	39	4	46	1	18	18	<.2	<5	21	<5	3.63	597	<10	35	58	7	<20	<20	12	0.56	1.28	1.20	<.01	.45	37	5	<2	2	<1	<5	<10	<.01	28	0.93
780116			<.2	35	<2	45	1	16	17	<.2	<5	15	<5	3.66	585	<10	47	42	9	<20	<20	15	0.80	1.45	1.23	<.01	.65	37	6	<2	3	<1	<5	<10	<.01	25	0.22
780117			1.0	31	4	30	2	21	19	<.2	<5	11	<5	3.64	638	<10	36	68	7	<20	<20	13	0.57	1.28	1.70	<.01	.47	54	6	<2	2	<1	<5	<10	<.01	32	1.27
780118		<5	1.2	32	8	24	2	23	20	<.2	<5	11	5	3.84	667	<10	39	64	8	<20	<20	10	0.60	1.11	1.98	<.01	.53	64	5	<2	2	<1	<5	<10	<.01	31	2.01
780119			<.2	34	3	42	2	14	15	<.2	<5	12	<5	3.33	471	<10	37	40	7	<20	<20	13	0.61	1.23	1.12	<.01	.51	34	5	<2	2	<1	<5	<10	<.01	21	0.25

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REPORT: T01-57050.0 (COMPLETE)

PROJECT: MID
DATE RECEIVED: 08-FEB-01 DATE PRINTED: 19-FEV-01 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780120			1.0	37	4	32	2	19	18	<.2	<5	15	<5	3.61	479	<10	45	57	8	<20	<20	12	0.70	1.12	1.58	<.01	.57	46	6	<2	2	<1	<5	<10	<.01	29	1.08
780121			0.3	34	<2	61	2	15	16	<.2	<5	15	<5	3.79	520	<10	36	43	6	<20	<20	14	0.57	1.36	1.68	<.01	.50	51	5	<2	2	<1	<5	<10	<.01	20	0.06
780122			0.2	32	<2	40	1	15	17	<.2	<5	17	<5	3.27	476	<10	45	38	8	<20	<20	15	0.76	1.18	1.29	<.01	.63	41	6	<2	3	<1	<5	<10	<.01	20	0.12
780123			0.9	39	8	29	2	24	20	<.2	<5	15	<5	3.59	562	<10	34	49	6	<20	<20	11	0.47	0.99	1.85	<.01	.42	61	5	<2	2	<1	<5	<10	<.01	28	1.66
780124			0.4	26	4	50	2	19	19	<.2	<5	24	<5	3.35	712	<10	41	87	7	<20	<20	16	0.55	1.33	2.15	<.01	.47	83	5	<2	2	<1	<5	<10	<.01	25	0.31
780125			1.1	33	7	52	2	26	22	<.2	<5	17	<5	4.25	677	<10	35	65	7	<20	<20	12	0.50	1.13	1.71	<.01	.46	60	6	<2	2	<1	<5	<10	<.01	31	1.69
780126			0.4	37	2	39	2	18	17	<.2	<5	17	<5	3.60	600	<10	42	39	8	<20	<20	16	0.73	1.31	1.17	<.01	.62	39	6	<2	3	<1	<5	<10	<.01	26	0.31
780127			0.4	31	4	41	2	16	16	<.2	<5	14	<5	3.27	933	<10	32	51	6	<20	<20	13	0.51	1.40	1.85	<.01	.42	56	6	<2	2	<1	<5	<10	<.01	22	0.41
780128		<5	0.5	41	5	34	2	16	16	<.2	<5	21	<5	3.22	871	<10	41	55	8	<20	<20	13	0.68	1.28	1.91	<.01	.58	56	6	<2	3	<1	<5	<10	<.01	28	0.73
780129		<5	0.8	36	15	29	2	18	17	<.2	<5	19	<5	3.26	805	<10	37	53	7	<20	<20	12	0.58	1.20	1.77	<.01	.48	54	6	<2	3	<1	<5	<10	<.01	28	1.01
780130			1.2	35	5	36	2	17	18	<.2	<5	28	<5	4.01	780	<10	41	53	8	<20	<20	11	0.69	1.36	1.80	<.01	.60	56	6	<2	3	<1	<5	<10	<.01	30	1.39
780131			0.7	38	5	45	1	17	18	<.2	<5	26	<5	4.12	746	<10	38	39	7	<20	<20	13	0.61	1.54	1.80	<.01	.55	51	6	<2	3	<1	<5	<10	<.01	28	0.83
780132			0.8	38	8	26	5	22	18	3.7	<5	23	6	3.80	857	<10	44	51	7	<20	<20	9	0.67	1.56	2.98	<.01	.54	80	6	<2	3	<1	<5	<10	<.01	30	1.25
780133			1.3	25	18	278	2	15	16	0.9	<5	13	<5	3.30	1162	<10	37	58	6	<20	<20	9	0.48	1.34	4.01	<.01	.41	101	7	<2	2	<1	<5	<10	<.01	29	1.09
780134			0.6	45	<2	37	1	15	21	0.3	<5	13	<5	4.11	708	<10	53	26	14	<20	<20	16	0.84	1.29	4.21	0.02	.64	88	5	<2	3	<1	<5	<10	<.01	10	0.05
780135			0.3	40	<2	35	1	12	19	<.2	<5	15	<5	3.91	888	<10	52	24	12	<20	<20	16	0.63	1.14	4.26	0.02	.51	87	5	<2	2	<1	<5	<10	<.01	9	0.07
780136		<5	1.0	30	4	26	1	17	18	<.2	<5	17	<5	3.33	877	<10	47	65	7	<20	<20	12	0.57	1.31	3.32	0.01	.48	76	5	<2	2	<1	<5	<10	<.01	22	0.52
780137			0.3	32	<2	25	<1	14	16	0.3	<5	13	<5	3.27	594	<10	46	38	6	<20	<20	15	0.57	1.14	2.02	0.01	.49	53	6	<2	2	<1	<5	<10	<.01	20	0.10
780138			0.4	28	2	64	<1	15	17	<.2	<5	15	<5	3.47	812	<10	49	48	7	<20	<20	14	0.66	1.20	2.28	0.01	.54	58	6	<2	2	<1	<5	<10	<.01	21	0.35
780139			0.2	29	<2	26	1	13	13	<.2	<5	16	<5	2.60	825	<10	45	47	6	<20	<20	14	0.57	1.05	2.34	<.01	.50	60	6	<2	2	<1	<5	<10	<.01	21	0.07
780140			0.6	31	<2	27	<1	14	14	0.2	<5	19	<5	3.10	786	<10	50	85	7	<20	<20	15	0.58	1.11	2.00	<.01	.50	54	6	<2	2	<1	<5	<10	<.01	26	0.27
780141			0.8	40	4	25	2	18	16	0.3	<5	20	<5	2.99	708	<10	39	53	6	<20	<20	12	0.49	1.04	2.07	<.01	.43	60	6	<2	2	<1	<5	<10	<.01	25	0.84
780142			0.7	34	<2	56	1	16	14	0.3	<5	23	<5	2.78	754	<10	45	55	8	<20	<20	15	0.58	1.14	1.94	<.01	.50	59	7	<2	2	<1	<5	<10	<.01	24	0.51
780143			1.1	29	3	67	2	18	16	0.4	<5	19	<5	3.04	522	<10	39	61	6	<20	<20	14	0.54	0.99	1.18	<.01	.49	39	5	<2	2	<1	<5	<10	<.01	20	0.47
780144		<5	1.0	28	5	69	2	16	15	0.2	<5	11	<5	3.34	818	<10	40	95	7	<20	<20	10	0.59	1.18	2.20	<.01	.50	73	5	<2	2	<1	<5	<10	<.01	24	1.37
780145			1.7	26	7	72	2	17	14	<.2	<5	19	<5	2.89	788	<10	35	108	6	<20	<20	10	0.44	1.16	2.55	0.01	.39	89	5	<2	2	<1	<5	<10	<.01	22	1.07
780146			0.6	32	4	86	<1	15	16	0.4	<5	28	<5	2.96	573	<10	45	37	7	<20	<20	16	0.77	1.30	1.49	<.01	.59	54	6	<2	3	<1	<5	<10	<.01	25	0.40
780147			2.9	32	7	51	3	25	17	0.5	<5	34	<5	3.28	714	<10	37	45	6	<20	<20	12	0.52	1.10	1.95	<.01	.45	64	6	<2	2	<1	<5	<10	<.01	29	1.94
780148			2.7	36	7	95	2	23	14	0.4	<5	28	<5	2.88	955	<10	43	62	7	<20	<20	11	0.55	1.10	2.65	<.01	.48	77	7	<2	2	<1	<5	<10	<.01	31	1.95

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Rapport Lab Geochimie
Geochemical Lab Report

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Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57052.0 (COMPLETE)

REFERENCE: 167334

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.D.

PROJECT: MID

DATE RECEIVED: 16-FEB-01 DATE PRINTED: 26-FEV-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010220	1 Au30	Gold	10	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010220	2 Ag	Ag - ICO1	56	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	3 Cu	Cu - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	4 Pb	Pb - ICO1	56	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	5 Zn	Zn - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	6 Mo	Mo - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	7 Ni	Ni - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	8 Co	Co - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	9 Cd	Cd - ICO1	56	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	10 Bi	Bi - ICO1	56	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	11 As	As - ICO1	56	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	12 Sb	Sb - ICO1	56	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	13 Fe	Fe - ICO1	56	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	14 Mn	Mn - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	15 TE	Te - ICO1	56	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	16 Ba	Ba - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	17 Cr	Cr - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	18 V	V - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	19 Sn	Sn - ICO1	56	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	20 W	W - ICO1	56	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	21 La	La - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	22 Al	Al - ICO1	56	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	23 Mg	Mg - ICO1	56	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	24 Ca	Ca - ICO1	56	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	25 Na	Na - ICO1	56	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	26 K	K - ICO1	56	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	27 Sr	Sr - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	28 Y	Y - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	29 Ga	Ga - ICO1	56	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	30 Li	Li - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	31 Nb	Nb - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	32 Sc	Sc - ICO1	56	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	33 Ta	Ta - ICO1	56	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	34 Ti	Ti - ICO1	56	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	35 Zr	Zr - ICO1	56	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010220	36 S	S - ICO1	56	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	56	-150	56	CRUSH, SPLIT	56
				PULVERIZATION	56

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Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57052.0 (COMPLETE)
DATE RECEIVED: 16-FEB-01 DATE PRINTED: 26-FEV-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
780149			<.2	35	7	69	1	26	17	0.3	<5	5	<5	4.29	1271	<10	45	54	6	<20	<20	7	0.70	0.60	5.99	.02	.32	108	6	3	8	<1	<5	<10	<.01	26	2.93
780150			<.2	34	4	59	2	36	13	0.2	<5	7	<5	3.82	1098	<10	50	56	8	<20	<20	9	1.24	0.96	4.13	.02	.37	67	6	4	23	<1	<5	<10	<.01	22	0.80
780151			<.2	30	5	42	2	26	12	<.2	<5	14	<5	2.46	726	<10	43	68	7	<20	<20	12	1.01	0.62	3.15	.02	.32	58	6	3	20	<1	<5	<10	<.01	21	0.39
780152		5	<.2	40	6	47	2	34	16	<.2	<5	13	<5	3.77	1166	<10	54	62	9	<20	<20	10	1.25	0.97	4.15	.02	.40	72	6	4	23	<1	<5	<10	<.01	26	0.93
780153			<.2	32	5	67	2	35	12	<.2	<5	12	<5	3.88	1205	<10	44	64	8	<20	<20	9	1.23	1.14	4.13	.01	.32	73	6	4	27	<1	<5	<10	<.01	21	0.55
780154			<.2	36	7	93	1	35	16	0.2	<5	8	<5	5.50	960	<10	40	69	9	<20	<20	7	1.60	1.26	2.87	.02	.28	54	5	6	42	<1	<5	<10	<.01	27	1.64
780155			<.2	34	5	88	1	48	16	0.2	<5	7	<5	5.54	1079	<10	54	61	12	<20	<20	8	1.86	1.53	3.11	.02	.29	56	5	7	50	<1	<5	<10	<.01	22	0.80
780156			<.2	37	6	46	1	21	14	0.2	<5	7	<5	3.48	1149	<10	50	63	6	<20	<20	7	0.78	0.70	4.95	.03	.31	91	6	3	9	<1	<5	<10	<.01	26	1.97
780157			<.2	32	6	127	2	30	15	<.2	<5	8	<5	3.46	1601	<10	40	52	6	<20	<20	8	0.73	0.96	4.14	.02	.28	65	6	3	11	<1	<5	<10	<.01	19	1.07
780158			<.2	51	9	91	2	38	20	0.5	<5	14	<5	5.11	772	<10	39	65	9	<20	<20	8	1.51	1.00	2.44	.02	.29	45	6	6	39	<1	<5	<10	<.01	25	1.82
780159			<.2	26	3	39	2	12	6	0.2	<5	<5	<5	1.74	681	<10	43	48	6	<20	<20	17	0.89	0.48	3.58	.02	.33	69	6	3	14	<1	<5	<10	<.01	12	0.18
780160			<.2	34	5	94	2	42	18	0.2	<5	14	<5	4.57	661	<10	48	52	12	<20	<20	12	1.94	1.05	2.59	.02	.36	55	6	6	47	<1	<5	<10	<.01	19	0.57
780161		<5	<.2	40	8	134	3	29	20	0.3	<5	12	<5	2.96	768	<10	46	50	6	<20	<20	11	0.89	0.53	1.57	.01	.34	32	6	3	14	<1	<5	<10	<.01	27	1.05
780162			<.2	35	5	64	2	26	13	<.2	<5	10	<5	2.87	712	<10	51	57	6	<20	<20	13	1.00	0.62	2.27	.01	.38	41	6	3	13	<1	<5	<10	<.01	25	0.97
780163			<.2	39	6	134	2	41	18	0.2	<5	8	<5	4.63	1281	<10	43	62	7	<20	<20	8	1.22	0.98	2.69	.01	.32	43	6	5	26	<1	<5	<10	<.01	24	1.30
780164			<.2	36	5	198	1	36	14	<.2	<5	5	<5	4.46	1459	<10	47	71	9	<20	<20	10	1.28	0.97	2.64	.02	.35	46	6	5	26	<1	<5	<10	<.01	21	0.97
780165			<.2	31	5	95	2	36	15	<.2	<5	13	<5	3.54	902	<10	48	47	6	<20	<20	11	0.93	0.77	2.46	.02	.34	42	7	4	15	<1	<5	<10	<.01	26	1.25
780166		<5	<.2	33	6	49	2	32	13	<.2	<5	<5	<5	3.19	538	<10	53	70	8	<20	<20	10	1.22	0.74	2.15	.01	.38	40	8	4	24	<1	<5	<10	<.01	25	0.73
780167			<.2	46	6	84	<1	50	21	<.2	<5	5	<5	5.31	536	<10	43	56	10	<20	<20	7	1.65	1.09	1.81	.01	.30	34	6	6	44	<1	<5	<10	<.01	30	1.74
780168			<.2	24	4	62	1	51	17	0.2	<5	<5	<5	4.29	642	<10	52	59	9	<20	<20	7	1.36	1.03	2.18	.02	.37	42	6	5	31	<1	<5	<10	<.01	23	1.41
780169			<.2	29	6	62	1	42	16	<.2	<5	5	<5	4.07	598	<10	43	65	9	<20	<20	7	1.24	1.05	2.08	.01	.30	39	6	5	30	<1	<5	<10	<.01	25	1.37
780170			<.2	53	9	43	2	35	22	<.2	<5	<5	<5	4.36	310	<10	52	66	7	<20	<20	7	0.92	0.52	1.17	.01	.41	24	6	4	13	<1	<5	<10	<.01	36	3.38
780171		<5	<.2	27	4	53	1	47	14	<.2	<5	<5	<5	3.69	450	<10	53	57	8	<20	<20	8	1.18	0.85	1.46	.01	.35	32	7	4	26	<1	<5	<10	<.01	27	1.61
780172			<.2	30	3	67	<1	44	7	<.2	<5	<5	<5	3.48	682	<10	58	56	10	<20	<20	13	1.53	1.26	2.29	.02	.40	46	7	5	36	<1	<5	<10	<.01	15	0.26
780173			<.2	46	9	21	1	31	23	0.2	<5	<5	<5	4.18	194	<10	39	48	6	<20	<20	7	0.56	0.22	0.71	.01	.39	15	6	3	2	<1	<5	<10	<.01	41	4.18
780174			<.2	38	4	37	1	35	14	<.2	<5	<5	<5	2.96	515	<10	73	56	8	<20	<20	6	0.96	1.01	2.11	.03	.39	45	6	3	14	<1	<5	<10	<.01	25	1.47
780175			<.2	42	5	69	1	48	17	0.2	<5	<5	<5	4.35	686	<10	61	135	22	<20	<20	5	1.48	1.85	3.04	.02	.31	69	7	5	34	<1	<5	<10	<.01	14	1.44
780176			<.2	48	8	51	2	45	22	0.3	<5	9	<5	5.04	666	<10	59	159	17	<20	<20	4	1.08	1.51	2.66	.03	.31	67	7	5	20	<1	<5	<10	<.01	25	3.33
780177			<.2	64	5	94	2	51	25	0.4	<5	14	<5	5.27	960	<10	36	258	39	<20	<20	6	1.81	2.82	5.02	.02	.19	125	9	6	54	<1	6	<10	<.01	5	1.03
780178			<.2	40	6	37	2	34	17	0.3	<5	13	<5	4.13	967	<10	58	111	13	<20	<20	7	0.77	1.54	4.42	.03	.32	100	8	4	11	<1	<5	<10	<.01	19	2.35

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW — PROJECT: MID
REPORT: T01-57052.0 (COMPLETE) — DATE RECEIVED: 16-FEB-01 — DATE PRINTED: 26-FEV-01 — PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780179			<.2	32	8	16	2	18	14	<.2	<5	7	<5	3.21	698	<10	44	65	4	<20	<20	7	0.38	0.34	3.51	.02	.28	70	6	2	<1	<1	<5	<10	<.01	24	2.99
780180			<.2	16	4	15	2	9	6	<.2	<5	<5	<5	2.04	787	<10	44	81	3	<20	<20	12	0.46	0.48	4.12	.04	.29	73	7	<2	2	<1	<5	<10	<.01	25	1.12
780181			<.2	17	5	49	2	10	9	0.3	<5	8	<5	2.14	1126	<10	34	71	3	<20	<20	7	0.30	0.13	6.95	.03	.21	158	7	<2	<1	<1	<5	<10	<.01	23	2.10
780182		<5	<.2	26	9	37	4	13	13	0.3	<5	12	<5	2.62	869	<10	48	75	4	<20	<20	7	0.42	0.17	5.43	.03	.30	126	7	2	<1	<1	<5	<10	<.01	30	2.55
780183			<.2	19	5	50	1	9	7	0.3	<5	6	<5	2.21	1234	<10	40	77	3	<20	<20	8	0.30	0.28	6.14	.04	.22	132	9	<2	<1	<1	<5	<10	<.01	24	1.93
780184			<.2	13	4	32	3	5	4	<.2	<5	<5	<5	1.47	1347	<10	41	94	3	<20	<20	10	0.36	0.39	5.07	.04	.24	107	6	<2	<1	<1	<5	<10	<.01	24	0.75
780185			<.2	19	3	19	1	7	6	<.2	<5	5	<5	2.53	1482	<10	43	78	3	<20	<20	10	0.41	0.59	4.20	.03	.25	96	7	2	3	<1	<5	<10	<.01	26	1.45
780186			<.2	16	4	13	1	5	4	<.2	<5	5	<5	2.37	1376	<10	54	84	3	<20	<20	13	0.51	0.71	3.18	.04	.32	75	6	3	2	<1	<5	<10	<.01	25	1.07
780187			<.2	27	3	26	<1	6	5	<.2	<5	<5	<5	2.66	1765	<10	45	56	3	<20	<20	12	0.66	0.72	5.12	.03	.28	105	7	3	9	<1	<5	<10	<.01	24	1.02
780188			<.2	30	8	49	2	22	14	0.3	<5	15	<5	3.28	1130	<10	57	55	6	<20	<20	7	0.61	0.58	3.79	.02	.43	69	6	3	1	<1	<5	<10	<.01	26	2.84
780189		<5	<.2	30	9	41	3	23	13	0.3	<5	12	<5	3.38	817	<10	49	52	5	<20	<20	7	0.51	0.54	2.79	.02	.37	61	6	2	1	<1	<5	<10	<.01	30	3.09
780190			<.2	33	7	52	2	25	16	0.3	<5	19	<5	3.62	850	<10	56	57	6	<20	<20	8	0.61	0.53	2.93	.02	.44	69	7	3	1	<1	<5	<10	<.01	34	3.25
780191			<.2	35	7	17	2	19	12	<.2	<5	11	<5	2.56	1001	<10	51	47	5	<20	<20	8	0.57	0.62	3.35	.01	.38	66	7	<2	2	<1	<5	<10	<.01	24	1.79
780192			<.2	37	8	79	<1	30	14	<.2	<5	12	<5	3.88	1448	<10	55	62	7	<20	<20	7	0.84	1.11	3.28	.01	.42	74	7	3	8	<1	<5	<10	<.01	26	2.04
780193			<.2	31	6	131	2	23	14	<.2	<5	9	<5	3.22	1155	<10	51	56	6	<20	<20	8	0.56	0.45	2.17	.02	.39	47	7	3	2	<1	<5	<10	<.01	30	2.63
780194			<.2	37	10	49	2	27	17	0.4	<5	14	<5	3.64	539	<10	57	47	6	<20	<20	7	0.68	0.32	1.63	.01	.47	32	6	3	1	<1	<5	<10	<.01	33	3.55
780195			<.2	27	8	23	2	23	13	<.2	<5	17	<5	2.98	825	<10	41	61	4	<20	<20	5	0.41	0.49	2.84	.01	.31	55	5	2	<1	<1	<5	<10	<.01	27	2.56
780196			<.2	50	10	331	<1	32	20	0.5	<5	17	<5	4.75	1529	<10	41	48	6	<20	<20	5	0.58	0.46	1.46	.01	.40	33	6	3	1	<1	<5	<10	<.01	38	4.16
780197			<.2	61	14	208	1	34	18	1.1	<5	14	<5	4.27	842	<10	54	40	5	<20	<20	6	0.54	0.73	2.03	.02	.37	53	6	3	2	<1	<5	<10	<.01	34	3.87
780198		<5	<.2	34	11	96	<1	35	17	0.6	<5	27	<5	4.04	1238	<10	63	50	6	<20	<20	6	0.68	1.09	3.12	.02	.42	78	7	3	4	<1	<5	<10	<.01	34	2.94
780199			<.2	35	7	78	2	27	13	0.3	<5	13	<5	3.31	1303	<10	50	71	6	<20	<20	6	0.70	0.74	4.18	.02	.30	87	6	3	10	<1	<5	<10	<.01	23	2.51
780200		<5	<.2	32	6	64	1	21	15	0.3	<5	19	<5	2.90	1000	<10	67	61	7	<20	<20	7	0.66	0.27	4.40	.03	.41	93	6	3	3	<1	<5	<10	<.01	28	2.93
780201			<.2	23	8	33	2	20	12	0.2	<5	15	<5	2.79	1622	<10	48	72	4	<20	<20	5	0.43	0.11	8.12	.02	.31	164	6	<2	1	<1	<5	<10	<.01	23	3.07
780202		<5	<.2	28	11	67	2	20	14	0.4	<5	11	<5	2.72	743	<10	65	62	6	<20	<20	8	0.67	0.27	2.79	.03	.44	69	7	3	5	<1	<5	<10	<.01	39	2.71
780203		<5	<.2	16	9	60	1	19	8	0.3	<5	11	<5	2.11	2914	<10	40	79	3	<20	<20	6	0.52	0.40	>10.00	.01	.27	655	16	<2	7	<1	<5	<10	<.01	19	1.65
780204			<.2	25	8	37	1	23	11	0.2	<5	15	<5	2.33	2565	<10	48	39	4	<20	<20	4	0.70	0.59	>10.00	.02	.31	247	6	2	9	<1	<5	<10	<.01	17	1.69

CHIMITEC
BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CANADIAN ARROW
MR. R. SKERIES
P.O. BOX 1756
TIMMINS, ONTARIO
P4N 7W9

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57056.0 (COMPLETE)

REFERENCE: 167299

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.D.

PROJECT: MID

DATE RECEIVED: 20-FEB-01 DATE PRINTED: 26-FEV-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010222	1 Au30	Gold	7	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010222	2 Ag	Ag - IC01	40	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	3 Cu	Cu - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	4 Pb	Pb - IC01	40	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	5 Zn	Zn - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	6 Mo	Mo - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	7 Ni	Ni - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	8 Co	Co - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	9 Cd	Cd - IC01	40	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	10 Bi	Bi - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	11 As	As - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	12 Sb	Sb - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	13 Fe	Fe - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	14 Mn	Mn - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	15 TE	Te - IC01	40	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	16 Ba	Ba - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	17 Cr	Cr - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	18 V	V - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	19 Sn	Sn - IC01	40	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	20 W	W - IC01	40	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	21 La	La - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	22 Al	Al - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	23 Mg	Mg - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	24 Ca	Ca - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	25 Na	Na - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	26 K	K - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	27 Sr	Sr - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	28 Y	Y - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	29 Ga	Ga - IC01	40	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	30 Li	Li - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	31 Nb	Nb - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	32 Sc	Sc - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	33 Ta	Ta - IC01	40	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	34 Ti	Ti - IC01	40	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	35 Zr	Zr - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010222	36 S	S - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	40	-150	40	CRUSH, SPLIT	40
				PULVERIZATION	40

REPORT COPIES TO: MR. R. SKERIES

INVOICE TO: MR. R. SKERIES

CHIMITEC
BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57056.0 (COMPLETE)
DATE RECEIVED: 20-FEB-01 DATE PRINTED: 26-FEV-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780205		6	<.2	39	5	44	1	17	10	<.2	<5	7	<5	3.17	1324	<10	40	85	5	<20	<20	6	.47	1.21	3.46	.02	.24	76	4	3	<1	<1	<5	<10	<.01	19	1.04
780206			<.2	24	3	45	2	8	5	<.2	<5	<5	<5	1.98	932	<10	35	51	2	<20	<20	8	.37	0.83	2.20	.02	.20	41	5	<2	<1	<1	<5	<10	<.01	21	0.63
780207			0.3	40	6	100	1	19	11	0.2	<5	10	<5	2.83	768	<10	42	91	5	<20	<20	6	.46	0.99	2.41	.02	.24	55	4	2	<1	<1	<5	<10	<.01	25	2.33
780208			<.2	39	9	52	2	25	14	<.2	<5	8	<5	3.60	644	<10	48	55	5	<20	<20	8	.54	1.02	1.67	.02	.27	36	4	3	2	<1	<5	<10	<.01	25	2.80
780209		7	<.2	31	10	39	1	27	14	<.2	<5	9	<5	3.47	577	<10	56	40	6	<20	<20	9	.67	0.92	1.38	.03	.33	31	5	3	2	<1	<5	<10	<.01	35	2.76
780210			<.2	55	12	45	<1	28	14	0.7	<5	6	<5	4.35	604	<10	48	50	6	<20	<20	8	.55	0.99	1.86	.02	.28	40	5	3	2	<1	<5	<10	<.01	38	4.16
780211			0.5	36	13	33	2	28	14	0.2	<5	9	<5	4.23	455	<10	45	53	7	<20	<20	7	.64	0.79	1.23	.02	.31	28	4	3	2	<1	<5	<10	<.01	30	4.04
780212			0.6	33	8	132	1	22	12	0.3	<5	6	<5	3.17	486	<10	39	44	5	<20	<20	7	.43	0.88	1.21	.02	.23	27	3	3	2	<1	<5	<10	<.01	16	2.84
780213		<5	0.2	41	11	124	3	28	15	0.4	<5	<5	<5	4.11	583	<10	50	37	6	<20	<20	9	.63	1.14	1.37	.03	.29	29	4	3	3	<1	<5	<10	<.01	36	3.35
780214			0.3	37	12	80	4	28	14	0.2	<5	<5	<5	4.47	594	<10	45	46	6	<20	<20	10	.55	1.15	1.27	.02	.25	26	3	3	2	<1	<5	<10	<.01	23	3.61
780215			<.2	29	5	206	3	16	8	0.4	<5	<5	<5	3.80	1103	<10	44	38	6	<20	<20	9	.59	2.21	2.32	.04	.23	43	3	3	2	<1	<5	<10	<.01	14	0.88
780216			0.6	50	9	70	5	28	14	<.2	<5	<5	<5	4.56	663	<10	44	41	6	<20	<20	9	.55	1.16	1.90	.03	.25	34	3	4	2	<1	<5	<10	<.01	21	3.89
780217			0.2	42	7	70	13	25	14	<.2	<5	<5	<5	4.22	839	<10	45	43	7	<20	<20	8	.60	1.59	2.14	.05	.24	39	3	4	2	<1	<5	<10	<.01	24	2.40
780218			<.2	35	5	95	3	23	14	<.2	<5	<5	<5	3.62	714	<10	37	69	6	<20	<20	9	.53	1.59	1.82	.04	.20	37	3	3	3	<1	<5	<10	<.01	19	1.69
780219			<.2	27	4	74	2	20	9	<.2	<5	<5	<5	3.52	764	<10	46	32	9	<20	<20	10	.67	1.97	1.34	.06	.23	27	4	3	3	<1	<5	<10	<.01	15	0.43
780220		<5	0.3	32	12	103	2	26	17	<.2	<5	<5	<5	3.80	832	<10	35	62	6	<20	<20	8	.48	1.67	2.31	.04	.18	43	3	3	2	<1	<5	<10	<.01	18	2.04
780221			<.2	28	7	68	2	16	9	<.2	<5	<5	<5	2.77	789	<10	37	66	4	<20	<20	7	.51	1.53	2.40	.03	.21	45	2	3	2	<1	<5	<10	<.01	13	1.39
780222			<.2	29	7	166	1	21	11	0.3	<5	<5	<5	4.49	1154	<10	32	43	7	<20	<20	7	.56	2.45	2.60	.06	.17	44	3	3	4	<1	<5	<10	<.01	10	1.22
780223			<.2	34	5	92	2	21	11	<.2	<5	<5	<5	4.07	887	<10	36	34	8	<20	<20	8	.62	2.07	1.73	.07	.18	32	3	4	4	<1	<5	<10	<.01	11	1.37
780224			0.5	41	12	62	2	31	15	<.2	<5	<5	<5	3.51	502	<10	41	37	5	<20	<20	7	.55	0.94	1.46	.03	.25	28	3	3	3	<1	<5	<10	<.01	19	3.11
780225			0.4	26	8	46	2	25	14	<.2	<5	<5	<5	3.67	692	<10	42	46	6	<20	<20	6	.62	1.32	1.97	.04	.25	36	3	3	3	<1	<5	<10	<.01	17	2.66
780226			<.2	47	8	68	2	35	19	<.2	<5	<5	<5	4.37	812	<10	38	34	6	<20	<20	7	.58	1.91	2.44	.04	.22	43	3	3	3	<1	<5	<10	<.01	13	2.15
780227			0.3	39	8	42	2	27	14	<.2	<5	<5	<5	3.60	662	<10	42	36	6	<20	<20	7	.58	1.35	2.38	.03	.25	43	3	3	2	<1	<5	<10	<.01	16	2.60
780228			<.2	30	5	122	<1	23	11	<.2	<5	<5	<5	3.51	719	<10	37	40	5	<20	<20	9	.52	1.48	2.29	.03	.21	41	3	3	3	<1	<5	<10	<.01	14	2.12
780229		18	1.0	44	22	91	2	30	14	0.7	<5	<5	<5	4.40	557	<10	41	46	5	<20	<20	6	.57	1.06	2.13	.03	.25	41	3	3	2	<1	<5	<10	<.01	20	4.16
780230			0.9	55	24	462	2	24	15	1.2	<5	<5	<5	3.68	563	<10	37	45	5	<20	<20	6	.52	1.06	2.14	.03	.22	41	3	3	2	<1	<5	<10	<.01	15	3.01
780231			<.2	38	4	41	2	18	10	<.2	<5	<5	<5	2.91	617	<10	35	63	6	<20	<20	4	.50	1.53	3.48	.03	.21	69	3	3	3	<1	<5	<10	<.01	8	0.54
780232			0.3	43	8	23	1	26	13	<.2	<5	<5	<5	2.94	324	<10	37	48	5	<20	<20	4	.48	0.82	2.17	.03	.22	46	2	2	2	<1	<5	<10	<.01	10	2.27
780233			<.2	30	7	41	2	26	15	<.2	<5	<5	<5	3.52	611	<10	34	93	5	<20	<20	5	.42	1.35	3.62	.02	.21	76	3	2	2	<1	<5	<10	<.01	12	1.98
780234			<.2	32	4	48	2	20	12	<.2	<5	<5	<5	3.43	613	<10	36	38	5	<20	<20	5	.45	1.33	3.05	.03	.22	58	3	2	<1	<1	<5	<10	<.01	9	1.41

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ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW — PROJECT: MID

REPORT: T01-57056.0 (COMPLETE) — DATE RECEIVED: 20-FEB-01 — DATE PRINTED: 26-FEV-01 — PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780235			<.2	39	6	56	1	22	15	<.2	<5	<5	<5	3.58	760	<10	42	35	6	<20	<20	5	.57	1.38	3.25	.03	.27	60	3	3	1	<1	<5	<10	<.01	9	0.87
780236			0.4	41	7	60	2	28	18	<.2	<5	<5	<5	3.61	610	<10	31	71	6	<20	<20	4	.45	1.23	3.29	.04	.18	60	3	3	1	<1	<5	<10	<.01	11	2.09
780237			0.3	45	6	48	<1	23	15	<.2	<5	<5	<5	3.47	606	<10	38	48	8	<20	<20	6	.50	1.27	2.82	.05	.22	59	3	3	1	<1	<5	<10	<.01	9	0.86
780238			<.2	47	3	53	<1	22	12	<.2	<5	<5	<5	3.60	621	<10	36	44	8	<20	<20	6	.48	1.40	2.43	.04	.21	48	3	3	1	<1	<5	<10	<.01	7	0.29
780239		<5	<.2	38	2	59	1	22	14	<.2	<5	<5	<5	3.58	572	<10	39	48	8	<20	<20	7	.52	1.43	2.42	.05	.23	46	3	3	1	<1	<5	<10	<.01	7	0.32
780240			<.2	28	2	73	2	20	11	<.2	<5	<5	<5	3.24	578	<10	30	65	8	<20	<20	7	.43	1.41	2.65	.05	.17	53	3	3	2	<1	<5	<10	<.01	7	0.15
780241			<.2	10	<2	22	2	9	2	<.2	<5	<5	<5	1.30	326	<10	6	235	3	<20	<20	<1	.08	0.70	2.01	.02	.03	57	1	<2	1	<1	<5	<10	<.01	2	0.07
780242			0.3	62	9	50	<1	20	19	<.2	<5	<5	<5	3.51	666	<10	36	26	6	<20	<20	7	.53	1.56	4.40	.03	.22	111	4	3	2	<1	<5	<10	<.01	9	1.23
780243			0.3	149	9	48	2	24	16	<.2	<5	<5	<5	3.03	552	<10	29	59	6	<20	<20	5	.41	1.25	3.40	.04	.17	83	3	2	2	<1	<5	<10	<.01	8	1.17
780244		<5	<.2	17	8	38	2	20	12	<.2	<5	<5	<5	2.63	547	<10	23	110	5	<20	<20	4	.34	1.14	3.16	.04	.13	77	2	2	2	<1	<5	<10	<.01	7	1.01

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ISO 9002 REGISTERED
VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CANADIAN ARROW
MR. R. SKERIES
P.O. BOX 1756
TIMMINS, ONTARIO
P4N 7W9

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57058.0 (COMPLETE)

REFERENCE:

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.D.

PROJECT: MID

DATE RECEIVED: 22-FEB-01 DATE PRINTED: 1-MAR-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010301	1 Au30	Gold	8	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010301	2 Ag	Ag - IC01	37	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	3 Cu	Cu - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	4 Pb	Pb - IC01	37	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	5 Zn	Zn - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	6 Mo	Mo - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	7 Ni	Ni - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	8 Co	Co - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	9 Cd	Cd - IC01	37	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	10 Bi	Bi - IC01	37	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	11 As	As - IC01	37	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	12 Sb	Sb - IC01	37	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	13 Fe	Fe - IC01	37	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	14 Mn	Mn - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	15 TE	Te - IC01	37	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	16 Ba	Ba - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	17 Cr	Cr - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	18 V	V - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	19 Sn	Sn - IC01	37	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	20 W	W - IC01	37	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	21 La	La - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	22 Al	Al - IC01	37	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	23 Mg	Mg - IC01	37	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	24 Ca	Ca - IC01	37	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	25 Na	Na - IC01	37	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	26 K	K - IC01	37	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	27 Sr	Sr - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	28 Y	Y - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	29 Ga	Ga - IC01	37	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	30 Li	Li - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	31 Nb	Nb - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	32 Sc	Sc - IC01	37	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	33 Ta	Ta - IC01	37	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	34 Ti	Ti - IC01	37	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	35 Zr	Zr - IC01	37	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010301	36 S	S - IC01	37	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBE
DRILL CORE	37	-150	37	CRUSH, SPLIT	37
				PULVERIZATION	37

REPORT COPIES TO: MR. R. SKERIES

INVOICE TO: MR. R. SKERIES

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Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57058.0 (COMPLETE)
DATE RECEIVED: 22-FEB-01 DATE PRINTED: 1-MAR-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780245			<.2	32	7	301	1	12	11	0.7	<5	7	<5	2.91	587	<10	29	42	6	<20	<20	12	0.43	0.69	1.17	.04	.24	27	7	<2	2	<1	<5	<10	<.01	34	1.23
780246		16	<.2	36	4	109	1	12	10	0.2	<5	8	<5	3.95	952	<10	26	31	7	<20	<20	10	0.44	1.11	2.03	.03	.23	40	7	<2	2	<1	<5	<10	<.01	28	1.69
780247			0.3	28	5	116	2	4	8	0.3	<5	<5	<5	3.82	951	<10	28	50	6	<20	<20	6	0.43	1.17	3.18	.03	.23	45	6	<2	2	<1	<5	<10	<.01	17	2.56
780248			0.4	27	4	51	2	7	11	<.2	<5	<5	<5	3.35	692	<10	27	49	8	<20	<20	8	0.42	0.80	2.19	.03	.23	35	6	<2	2	<1	<5	<10	<.01	23	1.96
780249			<.2	31	5	90	2	7	11	0.3	<5	<5	<5	3.42	547	<10	32	22	8	<20	<20	6	0.49	0.73	2.13	.04	.28	33	6	<2	2	<1	<5	<10	<.01	21	2.58
780250			<.2	36	4	24	2	9	12	<.2	<5	<5	<5	4.05	471	<10	28	33	8	<20	<20	4	0.49	0.68	1.70	.06	.23	24	6	<2	3	<1	<5	<10	<.01	15	4.00
780251			<.2	34	6	55	1	25	15	<.2	<5	<5	<5	3.43	1141	<10	24	30	9	<20	<20	4	0.59	1.75	4.03	.08	.20	49	8	<2	5	<1	<5	<10	<.01	12	1.18
780252			0.6	36	8	67	2	24	14	0.2	6	<5	<5	3.83	1063	<10	20	32	9	<20	<20	4	0.54	1.79	3.55	.07	.16	43	7	<2	7	<1	<5	<10	<.01	8	1.09
780253			0.3	17	<2	62	1	24	20	<.2	<5	<5	<5	3.54	666	<10	42	21	12	<20	<20	6	0.76	0.80	2.97	.09	.28	36	10	<2	6	<1	<5	<10	<.01	8	1.32
780254			<.2	18	<2	62	2	19	14	<.2	<5	<5	<5	3.35	700	<10	38	25	11	<20	<20	6	0.68	0.83	3.08	.07	.25	37	9	<2	6	<1	<5	<10	<.01	6	0.80
780255		<5	<.2	29	<2	69	1	16	11	<.2	<5	<5	<5	3.58	825	<10	38	17	12	<20	<20	6	0.73	1.32	3.77	.08	.25	45	9	<2	6	<1	<5	<10	<.01	6	0.41
780256			0.3	31	5	43	1	27	19	<.2	<5	<5	<5	4.52	809	<10	29	39	10	<20	<20	2	0.53	1.25	2.78	.07	.21	36	5	<2	4	<1	<5	<10	<.01	9	3.57
780257			0.3	22	4	59	1	28	13	<.2	<5	<5	<5	4.46	702	<10	29	26	10	<20	<20	2	0.67	1.30	2.62	.08	.21	35	5	<2	9	<1	<5	<10	<.01	8	3.23
780258			3.0	22	21	53	1	21	15	<.2	15	<5	<5	3.35	465	<10	26	22	9	<20	<20	3	0.71	0.83	2.24	.07	.19	31	5	<2	12	<1	<5	<10	<.01	10	2.65
780259		<5	0.8	33	<2	115	<1	23	9	0.3	<5	<5	<5	5.96	1495	<10	17	44	14	<20	<20	2	0.72	3.57	7.67	.05	.13	96	6	<2	22	<1	<5	<10	<.01	4	2.02
780260			<.2	35	<2	50	<1	16	6	<.2	<5	<5	<5	2.84	950	<10	30	83	15	<20	<20	3	0.83	1.89	3.90	.09	.07	75	4	<2	23	<1	5	<10	<.01	9	0.09
780261			0.2	29	4	74	2	29	24	<.2	<5	<5	<5	4.01	613	<10	24	49	24	<20	<20	6	1.42	1.50	2.48	.11	.10	47	4	<2	45	<1	6	<10	<.01	13	1.17
780262			<.2	17	<2	83	<1	26	14	<.2	<5	<5	<5	3.82	565	<10	15	43	26	<20	<20	7	1.46	1.56	2.89	.12	.07	60	5	<2	48	<1	6	<10	<.01	10	0.09
780263			<.2	45	<2	71	<1	26	14	<.2	<5	<5	<5	3.86	787	<10	17	35	21	<20	<20	7	1.33	1.66	3.26	.12	.08	63	4	<2	37	<1	6	<10	<.01	9	0.17
780264			<.2	15	<2	74	<1	26	11	<.2	<5	<5	<5	3.54	514	<10	11	65	24	<20	<20	8	1.39	1.39	2.42	.11	.05	46	4	<2	45	<1	6	<10	<.01	10	0.06
780265			<.2	12	<2	81	<1	30	15	<.2	<5	<5	<5	3.88	438	<10	21	32	24	<20	<20	8	1.62	1.36	2.33	.12	.09	48	4	<2	47	<1	6	<10	<.01	10	0.20
780266			<.2	8	<2	99	<1	30	19	<.2	<5	<5	<5	4.79	603	<10	18	34	24	<20	<20	7	1.56	1.83	3.66	.10	.09	74	5	<2	48	<1	5	<10	<.01	9	0.24
780267			<.2	9	<2	67	<1	22	9	<.2	<5	<5	<5	3.76	744	<10	9	38	15	<20	<20	6	0.76	1.85	4.47	.11	.04	95	5	<2	21	<1	6	<10	<.01	10	0.05
780268		<5	<.2	8	<2	64	<1	22	9	<.2	<5	<5	<5	3.08	467	<10	12	72	18	<20	<20	6	1.07	1.26	2.66	.12	.06	59	4	<2	31	<1	5	<10	<.01	11	0.03
780269			<.2	12	<2	45	<1	16	7	<.2	<5	<5	<5	2.20	457	<10	10	101	12	<20	<20	3	0.72	1.00	2.13	.08	.04	42	2	<2	23	<1	<5	<10	<.01	8	0.02
780270		<5	<.2	38	<2	60	1	23	11	<.2	<5	<5	<5	3.19	665	<10	20	59	15	<20	<20	5	0.74	1.26	3.30	.09	.07	55	4	<2	19	<1	<5	<10	<.01	9	0.11
780271			<.2	39	2	83	2	31	17	0.3	<5	<5	<5	4.31	717	<10	65	29	17	<20	<20	3	1.22	1.65	3.94	.09	.19	66	5	<2	30	<1	<5	<10	<.01	18	0.57
780272			<.2	134	<2	56	1	22	8	<.2	<5	<5	<5	3.22	739	<10	49	117	13	<20	<20	3	0.54	1.44	4.18	.08	.09	78	4	<2	11	<1	<5	<10	<.01	7	0.07
780273		<5	0.3	13	<2	52	82	16	9	<.2	<5	<5	<5	3.12	819	<10	79	112	16	<20	<20	3	0.68	1.56	3.88	.05	.10	57	4	<2	19	<1	<5	<10	<.01	5	0.04
780274			<.2	35	<2	61	1	23	11	<.2	<5	<5	<5	3.70	806	<10	56	61	16	<20	<20	6	0.91	1.60	4.08	.07	.13	68	5	<2	25	<1	<5	<10	<.01	10	0.14

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Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57058.0 (COMPLETE)
DATE RECEIVED: 22-FEB-01 DATE PRINTED: 1-MAR-01 PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
780275		<5	<.2	31	<2	58	<1	27	13	<.2	<5	<5	<5	3.32	641	<10	32	37	15	<20	<20	8	0.86	1.19	3.45	.10	.13	60	4	<2	19	<1	<5	<10	<.01	11	0.27
780276			<.2	15	<2	59	1	18	7	<.2	<5	<5	<5	2.56	503	<10	16	95	14	<20	<20	7	0.91	1.09	2.33	.10	.07	45	4	<2	23	<1	<5	<10	<.01	16	0.02
780277			<.2	18	<2	71	1	23	9	<.2	<5	<5	<5	3.12	502	<10	20	97	19	<20	<20	5	1.09	1.24	2.63	.11	.10	52	4	<2	29	<1	<5	<10	<.01	10	0.14
780278			<.2	18	2	69	1	24	16	<.2	<5	<5	<5	3.08	490	<10	23	72	17	<20	<20	6	1.09	1.03	2.07	.11	.10	43	3	<2	27	<1	5	<10	<.01	10	0.59
780279			0.2	13	2	34	2	20	12	<.2	<5	<5	<5	1.77	187	<10	16	163	10	<20	<20	3	0.55	0.41	0.76	.07	.07	21	2	<2	14	<1	<5	<10	<.01	9	0.73
780280		<5	<.2	23	<2	58	2	26	16	<.2	<5	<5	<5	3.52	652	<10	16	51	15	<20	<20	4	0.91	1.25	2.83	.11	.07	53	3	<2	22	<1	5	<10	<.01	9	1.00
780281			0.2	29	<2	68	<1	27	14	<.2	<5	<5	<5	3.57	583	<10	24	31	21	<20	<20	5	1.15	1.33	2.93	.13	.10	50	4	<2	28	<1	6	<10	<.01	9	0.59

CHIMITEC
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SUITE 104, 85 PINE ST S
TIMMINS, ONTARIO
P4N 2K1

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57059.0 (COMPLETE)

REFERENCE: 167302

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.D.

PROJECT: MID

DATE RECEIVED: 28-FEB-01 DATE PRINTED: 8-MAR-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010302 1	Au30	Gold	7	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010302 2	Ag	Ag - ICO1	40	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 3	Cu	Cu - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 4	Pb	Pb - ICO1	40	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 5	Zn	Zn - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 6	Mo	Mo - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 7	Ni	Ni - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 8	Co	Co - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 9	Cd	Cd - ICO1	40	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 10	Bi	Bi - ICO1	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 11	As	As - ICO1	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 12	Sb	Sb - ICO1	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 13	Fe	Fe - ICO1	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 14	Mn	Mn - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 15	TE	Te - ICO1	40	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 16	Ba	Ba - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 17	Cr	Cr - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 18	V	V - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 19	Sn	Sn - ICO1	40	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 20	W	W - ICO1	40	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 21	La	La - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 22	Al	Al - ICO1	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 23	Mg	Mg - ICO1	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 24	Ca	Ca - ICO1	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 25	Na	Na - ICO1	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 26	K	K - ICO1	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 27	Sr	Sr - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 28	Y	Y - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 29	Ga	Ga - ICO1	40	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 30	Li	Li - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 31	Nb	Nb - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 32	Sc	Sc - ICO1	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 33	Ta	Ta - ICO1	40	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 34	Ti	Ti - ICO1	40	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 35	Zr	Zr - ICO1	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010302 36	S	S - ICO1	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	40	-150	40	CRUSH, SPLIT	40
				PULVERIZATION	40

REPORT COPIES TO: MR R.SKERIES

INVOICE TO: MR R.SKERIES

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ISO 9002 REGISTERED
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Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57059.0 (COMPLETE)
DATE RECEIVED: 28-FEB-01 DATE PRINTED: 8-MAR-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780282			0.4	29	3	30	3	10	16	0.2	<5	9	<5	3.49	1020	<10	76	43	6	<20	<20	13	0.58	0.61	4.15	.02	.41	110	6	<2	13	<1	<5	<10	<.01	20	0.93
780283		<5	0.5	32	3	56	8	9	13	0.3	<5	6	<5	1.85	432	<10	60	34	6	<20	<20	15	0.51	0.25	3.16	.04	.34	134	6	<2	8	<1	<5	<10	<.01	29	0.94
780284			0.2	30	2	28	4	9	15	<.2	<5	8	<5	3.46	670	<10	46	29	6	<20	<20	14	0.52	0.51	3.25	.02	.33	70	7	<2	1	<1	<5	<10	<.01	27	0.88
780285			0.2	36	7	80	1	26	27	0.3	<5	<5	<5	5.42	412	<10	35	33	9	<20	<20	6	1.15	0.94	1.51	.02	.30	28	6	<2	27	<1	<5	<10	<.01	24	1.73
780286			<.2	45	7	70	3	32	20	0.3	<5	<5	<5	4.31	640	<10	40	27	9	<20	<20	6	1.10	0.99	2.48	.05	.26	36	7	<2	24	<1	<5	<10	<.01	24	1.25
780287			<.2	26	9	71	3	29	17	0.3	<5	<5	<5	4.41	607	<10	37	41	9	<20	<20	5	1.05	0.81	2.23	.05	.23	25	6	<2	22	<1	<5	<10	<.01	20	1.45
780288			<.2	30	6	74	1	30	13	0.3	<5	<5	<5	4.58	564	<10	36	33	10	<20	<20	6	1.07	0.81	2.29	.06	.23	23	6	<2	23	<1	<5	<10	<.01	23	1.24
780289			<.2	26	<2	30	1	15	12	<.2	<5	<5	<5	3.11	583	<10	39	38	8	<20	<20	6	0.65	0.57	2.33	.07	.24	22	6	<2	5	<1	<5	<10	<.01	25	0.88
780290			<.2	23	3	100	1	26	15	<.2	<5	<5	<5	3.71	656	<10	31	50	8	<20	<20	6	0.54	0.64	2.71	.06	.18	23	6	<2	5	<1	<5	<10	<.01	24	1.25
780291		<5	<.2	22	<2	33	2	17	12	0.2	<5	<5	<5	3.75	668	<10	29	81	7	<20	<20	5	0.50	0.70	2.99	.06	.17	25	6	<2	4	<1	<5	<10	<.01	23	0.96
780292			<.2	27	<2	49	1	20	8	<.2	<5	<5	<5	3.67	584	<10	29	100	8	<20	<20	5	0.64	0.71	2.90	.05	.17	25	6	<2	10	<1	<5	<10	<.01	26	0.48
780293			<.2	11	<2	37	1	11	5	<.2	<5	<5	<5	3.41	757	<10	29	87	7	<20	<20	6	0.45	0.83	3.67	.06	.17	29	6	<2	3	<1	<5	<10	<.01	20	0.20
780294			<.2	73	2	56	2	25	16	<.2	<5	<5	<5	4.31	489	<10	16	164	8	<20	<20	3	0.54	0.66	2.60	.04	.10	23	4	<2	13	<1	<5	<10	<.01	19	1.36
780295			<.2	26	<2	75	<1	30	9	<.2	<5	<5	<5	4.01	525	<10	35	51	12	<20	<20	7	1.12	0.72	2.42	.08	.21	22	7	<2	26	<1	<5	<10	<.01	22	0.47
780296			<.2	27	<2	45	<1	21	7	<.2	<5	<5	<5	2.99	463	<10	32	70	9	<20	<20	8	0.75	0.59	2.28	.06	.18	20	6	<2	14	<1	<5	<10	<.01	22	0.25
780297		<5	<.2	25	<2	59	1	22	5	<.2	<5	<5	<5	3.03	462	<10	33	80	11	<20	<20	9	0.87	0.59	2.30	.07	.18	20	6	<2	18	<1	<5	<10	<.01	23	0.03
780298			<.2	32	<2	45	<1	18	6	<.2	<5	<5	<5	3.09	546	<10	31	61	10	<20	<20	9	0.76	0.62	2.46	.07	.17	20	6	<2	14	<1	<5	<10	<.01	18	0.11
780299			<.2	22	<2	50	<1	22	13	<.2	<5	<5	<5	3.89	572	<10	34	42	10	<20	<20	7	0.85	0.63	2.38	.08	.18	21	6	<2	16	<1	<5	<10	<.01	27	0.80
780300			<.2	28	<2	50	1	25	18	<.2	<5	<5	<5	3.90	622	<10	31	39	11	<20	<20	8	0.86	0.68	2.44	.08	.17	22	6	<2	17	<1	<5	<10	<.01	23	0.54
780301		<5	<.2	35	<2	63	<1	22	15	<.2	<5	<5	<5	3.92	520	<10	34	39	11	<20	<20	9	1.09	0.71	2.06	.07	.19	21	5	<2	25	<1	<5	<10	<.01	20	0.30
780302			<.2	29	<2	70	<1	29	16	<.2	<5	<5	<5	4.23	434	<10	32	31	11	<20	<20	7	1.25	0.83	2.35	.09	.15	33	5	<2	28	<1	<5	<10	<.01	20	0.54
780303		<5	<.2	28	4	56	2	40	23	0.2	<5	<5	<5	4.71	490	<10	25	86	11	<20	<20	3	0.90	0.81	2.48	.07	.14	34	4	<2	19	<1	<5	<10	<.01	19	1.91
780304			<.2	24	<2	86	3	25	12	0.2	<5	<5	<5	4.57	480	<10	28	38	14	<20	<20	8	1.55	1.10	2.71	.09	.14	39	6	<2	40	<1	<5	<10	<.01	19	0.06
780305			<.2	33	<2	78	2	20	12	0.4	<5	<5	<5	3.89	332	<10	29	37	14	<20	<20	7	1.49	0.83	1.57	.09	.17	21	3	<2	42	<1	<5	<10	<.01	14	0.27
780306			<.2	45	<2	58	2	23	15	0.2	<5	<5	<5	3.46	248	<10	29	39	12	<20	<20	10	1.35	0.67	1.20	.09	.17	22	4	<2	37	<1	<5	<10	<.01	19	0.47
780307			<.2	40	3	27	3	23	15	<.2	<5	<5	<5	2.72	333	<10	28	63	8	<20	<20	7	0.84	0.57	1.78	.09	.16	25	4	<2	14	<1	<5	<10	<.01	19	0.80
780308			<.2	39	<2	64	3	30	16	0.4	<5	<5	<5	4.96	410	<10	23	38	11	<20	<20	5	1.18	0.94	2.13	.09	.13	25	4	<2	32	<1	<5	<10	<.01	20	1.90
780309			<.2	26	2	43	2	20	13	0.2	<5	<5	<5	4.37	480	<10	24	40	10	<20	<20	5	1.01	1.03	2.41	.10	.14	27	5	<2	22	<1	<5	<10	<.01	18	1.75
780310			<.2	50	3	53	2	27	20	<.2	<5	<5	<5	5.11	455	<10	25	44	10	<20	<20	5	1.11	1.06	2.08	.09	.14	27	5	<2	28	<1	<5	<10	<.01	22	2.64
780311			<.2	28	3	48	2	21	13	<.2	<5	<5	<5	4.12	594	<10	26	55	9	<20	<20	3	0.96	1.37	3.00	.09	.15	37	4	<2	19	<1	<5	<10	<.01	11	2.04

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57059.0 (COMPLETE)
DATE RECEIVED: 28-FEB-01 DATE PRINTED: 8-MAR-01 PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780312		<5	<.2	35	3	24	2	23	14	<.2	<5	<5	<5	3.99	485	<10	25	56	6	<20	<20	3	0.54	1.10	2.54	.08	.15	34	3	<2	4	<1	<5	<10	<.01	10	3.11
780313			<.2	38	4	25	1	25	14	<.2	<5	<5	<5	4.35	413	<10	26	49	6	<20	<20	3	0.61	0.96	2.23	.09	.17	31	4	<2	5	<1	<5	<10	<.01	11	3.74
780314			<.2	43	4	17	1	27	15	<.2	<5	<5	<5	4.67	298	<10	26	51	6	<20	<20	3	0.54	0.67	1.58	.08	.16	25	3	<2	3	<1	<5	<10	<.01	12	4.34
780315			<.2	29	4	22	1	24	15	0.3	<5	<5	<5	4.66	470	<10	28	45	6	<20	<20	3	0.58	1.06	2.31	.08	.16	31	4	<2	2	<1	<5	<10	<.01	11	4.18
780316			0.9	33	6	22	1	27	16	0.3	<5	<5	<5	4.59	435	<10	26	54	6	<20	<20	3	0.56	0.84	1.92	.08	.17	27	3	<2	3	<1	<5	<10	<.01	10	4.19
780317			1.9	58	8	28	1	33	23	0.2	<5	<5	<5	4.38	390	<10	25	65	7	<20	<20	3	0.67	0.73	1.64	.08	.17	25	4	<2	10	<1	<5	<10	<.01	12	3.76
780318			0.3	65	6	39	3	40	36	0.2	<5	<5	<5	6.63	434	<10	26	26	8	<20	<20	5	0.74	0.93	2.13	.08	.17	32	4	<2	11	<1	<5	<10	<.01	14	5.16
780319		<5	<.2	41	3	33	2	12	11	<.2	<5	<5	<5	2.98	532	<10	19	135	6	<20	<20	2	0.51	1.07	2.63	.07	.13	35	4	<2	5	<1	<5	<10	<.01	13	1.25
780320			<.2	25	<2	51	3	20	11	0.2	<5	<5	<5	4.05	634	<10	21	78	7	<20	<20	4	0.72	1.39	3.07	.08	.14	37	6	<2	12	<1	<5	<10	<.01	20	1.45
780321			<.2	24	<2	50	2	17	11	<.2	<5	<5	<5	3.56	619	<10	21	31	7	<20	<20	6	0.73	1.53	3.31	.08	.14	36	5	<2	11	<1	<5	<10	<.01	15	0.78

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Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57061.0 (COMPLETE)

REFERENCE: 167303

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.D.

PROJECT: MID

DATE RECEIVED: 01-MAR-01 DATE PRINTED: 8-MAR-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010305	1 Au30	Gold	9	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010305	2 Ag	Ag - IC01	43	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	3 Cu	Cu - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	4 Pb	Pb - IC01	43	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	5 Zn	Zn - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	6 Mo	Mo - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	7 Ni	Ni - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	8 Co	Co - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	9 Cd	Cd - IC01	43	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	10 Bi	Bi - IC01	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	11 As	As - IC01	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	12 Sb	Sb - IC01	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	13 Fe	Fe - IC01	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	14 Mn	Mn - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	15 TE	Te - IC01	43	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	16 Ba	Ba - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	17 Cr	Cr - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	18 V	V - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	19 Sn	Sn - IC01	43	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	20 W	W - IC01	43	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	21 La	La - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	22 Al	Al - IC01	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	23 Mg	Mg - IC01	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	24 Ca	Ca - IC01	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	25 Na	Na - IC01	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	26 K	K - IC01	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	27 Sr	Sr - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	28 Y	Y - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	29 Ga	Ga - IC01	43	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	30 Li	Li - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	31 Nb	Nb - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	32 Sc	Sc - IC01	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	33 Ta	Ta - IC01	43	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	34 Ti	Ti - IC01	43	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	35 Zr	Zr - IC01	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010305	36 S	S - IC01	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	43	-150	43	CRUSH, SPLIT	43
				PULVERIZATION	43

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REPORT: T01-57061.0 (COMPLETE)

PROJECT: MID
DATE RECEIVED: 01-MAR-01 DATE PRINTED: 8-MAR-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780322			<.2	44	4	39	4	18	17	<.2	<5	<5	<5	3.61	511	<10	25	41	7	<20	<20	9	0.75	1.28	2.72	.09	.18	35	7	<2	8	<1	<5	<10	<.01	26	1.42
780323			0.4	34	3	23	1	36	18	0.2	<5	<5	<5	4.73	504	<10	30	56	10	<20	<20	2	0.77	1.23	2.48	.11	.21	32	5	<2	4	<1	5	<10	<.01	11	4.23
780324			0.3	43	5	21	3	38	19	<.2	<5	<5	<5	5.78	362	<10	30	69	11	<20	<20	2	0.76	0.83	1.77	.11	.21	27	4	<2	4	<1	<5	<10	<.01	13	5.37
780325			<.2	36	5	21	2	32	17	0.2	<5	<5	<5	4.25	467	<10	30	97	12	<20	<20	3	0.75	1.04	2.21	.12	.21	29	5	<2	4	<1	<5	<10	<.01	13	3.73
780326			<.2	38	3	25	<1	34	16	0.3	<5	<5	<5	4.51	423	<10	32	59	12	<20	<20	3	0.85	1.01	2.27	.14	.23	30	5	<2	6	<1	<5	<10	<.01	15	3.76
780327			<.2	37	2	31	1	34	17	0.2	<5	<5	<5	4.52	472	<10	30	49	12	<20	<20	4	0.82	1.25	2.88	.13	.20	32	6	<2	6	<1	<5	<10	<.01	18	3.31
780328			<.2	37	3	28	2	31	16	0.2	<5	<5	<5	4.43	419	<10	28	60	11	<20	<20	3	0.73	1.10	2.57	.11	.19	29	5	<2	5	<1	<5	<10	<.01	15	3.26
780329		<5	<.2	38	5	25	1	32	19	0.2	<5	<5	<5	4.39	294	<10	32	99	12	<20	<20	3	0.77	0.66	1.70	.11	.23	24	4	<2	4	<1	<5	<10	<.01	15	3.75
780330			0.5	71	5	22	1	39	23	<.2	<5	<5	<5	4.99	391	<10	33	66	11	<20	<20	3	0.77	0.93	2.06	.11	.22	27	5	<2	4	<1	<5	<10	<.01	16	4.36
780331			0.8	61	4	20	1	35	18	<.2	<5	<5	<5	4.76	382	<10	30	69	10	<20	<20	3	0.69	0.86	1.81	.10	.20	26	4	<2	4	<1	<5	<10	<.01	13	4.35
780332		<5	0.5	36	4	19	2	33	17	<.2	<5	<5	<5	4.57	320	<10	33	58	9	<20	<20	4	0.71	0.88	1.72	.09	.21	28	4	<2	4	<1	<5	<10	<.01	12	4.39
780333			<.2	35	3	66	1	32	16	0.2	<5	<5	<5	4.51	588	<10	31	70	13	<20	<20	5	1.10	1.45	2.45	.11	.23	30	6	<2	21	<1	<5	<10	<.01	23	3.59
780334			<.2	42	4	35	1	31	16	<.2	<5	<5	<5	4.64	863	<10	31	74	11	<20	<20	5	0.79	1.52	2.87	.10	.23	34	6	<2	6	<1	5	<10	<.01	18	4.14
780335			<.2	38	6	31	2	33	17	<.2	<5	<5	<5	4.86	779	<10	32	71	11	<20	<20	6	0.76	1.37	2.64	.10	.24	34	6	<2	4	<1	5	<10	<.01	26	4.50
780336			<.2	33	6	30	2	30	15	0.2	<5	<5	<5	4.35	815	<10	33	58	10	<20	<20	6	0.74	1.45	2.81	.10	.24	34	6	<2	4	<1	<5	<10	<.01	26	3.95
780337			<.2	33	5	32	1	30	16	0.2	<5	<5	<5	4.49	791	<10	36	57	11	<20	<20	6	0.79	1.35	2.66	.10	.27	32	6	<2	4	<1	<5	<10	<.01	27	4.11
780338		<5	<.2	41	5	31	2	35	17	<.2	<5	<5	<5	4.87	664	<10	38	52	11	<20	<20	6	0.80	1.00	2.14	.10	.27	28	6	<2	3	<1	<5	<10	<.01	31	4.49
780339			<.2	42	4	32	2	32	16	<.2	<5	<5	<5	4.87	626	<10	35	64	10	<20	<20	7	0.71	0.99	2.35	.08	.25	26	6	<2	3	<1	<5	<10	<.01	31	4.06
780340			<.2	32	2	28	2	24	14	0.3	<5	<5	<5	3.57	609	<10	31	70	9	<20	<20	4	0.63	0.82	2.30	.07	.22	25	5	<2	5	<1	<5	<10	<.01	21	2.29
780341		<5	<.2	16	2	59	2	25	8	0.2	<5	<5	<5	3.69	1180	<10	23	202	12	<20	<20	3	0.56	1.60	4.07	.07	.15	41	6	<2	6	<1	<5	<10	<.01	12	0.99
780342			<.2	37	8	112	1	36	18	0.3	<5	<5	<5	4.59	738	<10	31	78	21	<20	<20	6	1.74	1.48	2.12	.10	.19	23	6	<2	55	<1	<5	<10	<.01	15	1.68
780343			<.2	27	5	77	2	36	13	0.3	<5	<5	<5	4.56	778	<10	40	101	15	<20	<20	5	1.32	1.35	2.18	.07	.29	32	6	<2	34	<1	<5	<10	<.01	27	2.76
780344			0.7	43	5	53	2	32	18	0.2	<5	<5	<5	3.67	659	<10	37	64	12	<20	<20	5	1.09	1.11	1.91	.07	.26	26	6	<2	25	<1	<5	<10	<.01	25	2.17
780345			<.2	33	2	62	1	26	12	0.2	<5	<5	<5	3.71	689	<10	34	80	12	<20	<20	6	0.77	1.29	2.30	.11	.21	34	5	<2	8	<1	<5	<10	<.01	20	1.28
780346			<.2	40	2	53	<1	26	16	0.2	<5	<5	<5	3.86	762	<10	44	47	10	<20	<20	6	0.81	1.23	2.17	.09	.28	34	5	<2	5	<1	<5	<10	<.01	18	1.69
780347			0.3	48	5	52	2	34	18	0.3	<5	<5	<5	4.58	875	<10	42	73	10	<20	<20	7	0.84	1.26	2.48	.07	.29	42	5	<2	8	<1	<5	<10	<.01	23	2.99
780348			0.3	44	5	43	2	47	21	0.2	<5	<5	<5	4.95	689	<10	41	51	12	<20	<20	3	0.66	0.80	2.41	.09	.27	28	5	<2	2	<1	<5	<10	<.01	24	3.62
780349			0.2	37	5	35	2	42	20	0.2	<5	<5	<5	4.72	574	<10	39	66	13	<20	<20	3	0.65	0.67	2.01	.09	.28	25	5	<2	2	<1	<5	<10	<.01	26	3.75
780350		<5	<.2	30	3	38	1	36	17	0.2	<5	<5	<5	3.47	740	<10	49	43	11	<20	<20	3	0.69	0.95	2.65	.08	.29	31	5	<2	2	<1	<5	<10	<.01	16	2.14
780351			0.2	41	4	43	2	41	19	0.2	<5	<5	<5	4.06	759	<10	41	70	11	<20	<20	3	0.67	0.94	2.71	.09	.27	31	5	<2	2	<1	<5	<10	<.01	16	2.49

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57061.0 (COMPLETE)
DATE RECEIVED: 01-MAR-01 DATE PRINTED: 8-MAR-01 PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780352			0.3	35	3	60	2	49	30	0.2	<5	<5	<5	4.66	757	<10	31	27	10	<20	<20	4	0.84	1.18	3.77	.11	.24	41	5	<2	5	<1	<5	<10	<.01	13	1.61
780353		<5	0.3	36	3	58	1	41	23	0.2	<5	<5	<5	4.66	833	<10	36	62	12	<20	<20	4	0.82	1.09	3.67	.11	.27	39	5	<2	4	<1	<5	<10	<.01	19	1.94
780354			<.2	23	<2	66	1	20	17	0.3	<5	<5	<5	4.84	1101	<10	32	38	13	<20	<20	4	0.79	1.45	4.90	.11	.23	45	6	<2	4	<1	<5	<10	<.01	16	0.69
780355			<.2	22	2	61	1	20	17	<.2	<5	<5	<5	4.69	897	<10	30	33	10	<20	<20	5	0.78	1.18	4.35	.11	.22	43	6	<2	4	<1	<5	<10	<.01	21	0.75
780356			<.2	28	<2	56	1	25	18	0.3	<5	<5	<5	3.57	756	<10	40	24	10	<20	<20	4	0.84	0.77	3.46	.11	.27	35	6	<2	4	<1	<5	<10	<.01	21	0.57
780357		<5	<.2	34	<2	57	<1	34	13	0.3	<5	<5	<5	3.51	591	<10	47	159	19	<20	<20	5	0.95	1.33	3.44	.15	.05	61	3	<2	15	<1	6	<10	<.01	5	0.03
780358			<.2	9	<2	83	<1	51	19	0.2	<5	<5	<5	4.67	652	<10	19	60	23	<20	<20	6	1.37	1.74	4.18	.17	.07	69	3	<2	25	<1	7	<10	<.01	5	0.04
780359			<.2	16	<2	71	<1	47	17	0.2	<5	<5	<5	4.15	618	<10	24	101	22	<20	<20	3	1.14	1.64	4.01	.16	.06	65	4	<2	20	1	7	<10	<.01	5	0.07
780360		<5	<.2	44	<2	74	<1	45	17	0.2	<5	<5	<5	4.39	682	<10	80	86	22	<20	<20	5	1.18	1.66	4.04	.12	.08	66	3	<2	24	1	5	<10	<.01	5	0.04
780361			<.2	32	<2	54	<1	37	13	0.2	<5	<5	<5	3.38	516	<10	20	177	23	<20	<20	6	0.92	1.18	3.02	.13	.05	65	3	<2	16	1	6	<10	<.01	4	0.03
780362			0.5	11	<2	47	<1	31	12	0.2	<5	<5	<5	3.66	793	<10	14	158	16	<20	<20	6	0.65	1.57	4.24	.13	.04	82	3	<2	9	<1	<5	<10	<.01	4	0.06
780363			0.2	17	<2	62	1	35	14	<.2	<5	<5	<5	3.94	659	<10	20	167	12	<20	<20	3	0.56	1.41	4.38	.11	.06	80	3	<2	7	<1	<5	<10	<.01	4	0.03
780364		<5	0.4	29	<2	58	1	38	14	<.2	<5	<5	<5	3.85	719	<10	23	113	15	<20	<20	3	0.64	1.52	4.38	.11	.07	77	3	<2	8	<1	5	<10	<.01	4	0.03

CANADIAN ARROW
MR R.SKERIES
SUITE 104, 85 PINE ST S
TIMMINS, ONTARIO
P4N 2K1

CHIMITEC
BONDAR CLEGG

VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57065.0 (COMPLETE)

REFERENCE: 167304

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.DOW

PROJECT: MID

DATE RECEIVED: 06-MAR-01 DATE PRINTED: 12-MAR-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010308	1 Au30	Gold	3	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010308	2 Ag	Ag - IC01	40	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	3 Cu	Cu - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	4 Pb	Pb - IC01	40	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	5 Zn	Zn - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	6 Mo	Mo - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	7 Ni	Ni - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	8 Co	Co - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	9 Cd	Cd - IC01	40	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	10 Bi	Bi - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	11 As	As - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	12 Sb	Sb - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	13 Fe	Fe - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	14 Mn	Mn - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	15 TE	Te - IC01	40	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	16 Ba	Ba - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	17 Cr	Cr - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	18 V	V - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	19 Sn	Sn - IC01	40	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	20 W	W - IC01	40	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	21 La	La - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	22 Al	Al - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	23 Mg	Mg - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	24 Ca	Ca - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	25 Na	Na - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	26 K	K - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	27 Sr	Sr - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	28 Y	Y - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	29 Ga	Ga - IC01	40	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	30 Li	Li - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	31 Nb	Nb - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	32 Sc	Sc - IC01	40	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	33 Ta	Ta - IC01	40	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	34 Ti	Ti - IC01	40	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	35 Zr	Zr - IC01	40	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010308	36 S	S - IC01	40	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	40	-150	40	CRUSH, SPLIT	40
				PULVERIZATION	40

REPORT COPIES TO: MR R.SKERIES

INVOICE TO: MR R.SKERIES

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
REPORT: T01-57065.0 (COMPLETE)

PROJECT: MID
DATE RECEIVED: 06-MAR-01 DATE PRINTED: 12-MAR-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT Au30 UNITS PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780365		<.2	57	4	87	<1	50	22	0.4	<5	66	<5	2.21	130	<10	16	35	5	<20	<20	20	0.52	0.23	0.07	.08	.15	17	6	2	5	<1	<5	<10	<.01	30	0.32
780366		<.2	57	3	131	<1	35	14	0.3	<5	39	<5	2.79	246	<10	13	81	6	<20	<20	16	0.55	0.28	0.15	.07	.13	15	4	2	10	<1	<5	<10	<.01	24	0.29
780367		<.2	28	8	332	<1	91	15	0.6	<5	23	<5	>10.00	814	<10	12	129	13	<20	<20	6	0.63	1.43	0.39	.06	.09	11	3	7	14	<1	<5	<10	<.01	13	0.22
780368		<.2	34	5	118	<1	73	15	0.2	<5	44	<5	5.39	464	<10	18	90	12	<20	<20	8	1.14	0.76	0.28	.06	.17	9	4	5	32	<1	<5	<10	<.01	19	0.28
780369		<.2	35	6	137	<1	71	15	0.4	<5	54	<5	7.25	751	<10	15	101	9	<20	<20	6	0.76	1.11	1.15	.06	.13	10	4	5	17	<1	<5	<10	<.01	14	0.30
780370		<.2	39	7	55	3	91	69	0.4	<5	178	<5	3.37	816	<10	22	41	7	<20	<20	4	0.67	0.85	3.13	.08	.21	29	5	2	5	<1	<5	<10	<.01	21	1.13
780371		<.2	33	3	24	1	36	10	<.2	<5	56	<5	3.42	621	<10	34	43	9	<20	<20	11	0.48	0.74	3.72	.08	.18	36	7	3	2	<1	<5	<10	<.01	16	0.04
780372		<.2	31	3	171	2	33	12	0.4	<5	38	<5	3.82	870	<10	28	23	6	<20	<20	7	0.56	0.92	4.38	.06	.23	42	7	2	2	<1	<5	<10	<.01	19	0.25
780373		<.2	38	4	38	<1	50	19	<.2	<5	41	<5	4.30	1036	<10	32	19	6	<20	<20	7	0.61	0.95	4.16	.06	.26	39	7	3	2	<1	<5	<10	<.01	24	0.95
780374		<.2	25	4	216	<1	33	16	0.5	<5	8	<5	2.81	471	<10	30	25	5	<20	<20	6	0.50	0.39	1.52	.04	.26	19	6	<2	1	<1	<5	<10	<.01	30	2.02
780375		<.2	29	5	40	<1	35	15	<.2	<5	10	<5	3.54	299	<10	39	26	7	<20	<20	7	0.64	0.25	0.97	.04	.33	15	6	3	2	<1	<5	<10	<.01	34	3.32
780376		0.9	64	8	93	1	46	29	0.2	5	12	<5	4.65	430	<10	38	27	6	<20	<20	5	0.59	0.36	1.27	.04	.30	16	5	3	1	<1	<5	<10	<.01	30	4.27
780377		<.2	35	5	112	2	43	23	0.3	<5	12	<5	3.36	384	<10	42	29	7	<20	<20	6	0.66	0.32	1.18	.04	.33	17	6	3	2	<1	<5	<10	<.01	36	2.98
780378	15	<.2	28	3	35	1	27	13	<.2	<5	7	<5	2.31	335	<10	38	24	5	<20	<20	8	0.58	0.32	1.18	.04	.29	17	6	2	1	<1	<5	<10	<.01	28	1.76
780379		<.2	18	3	76	2	33	16	<.2	<5	12	<5	3.53	925	<10	43	21	7	<20	<20	7	0.66	0.76	2.93	.04	.31	30	6	2	2	<1	<5	<10	<.01	25	1.66
780380		<.2	37	6	101	2	38	15	0.3	<5	29	<5	4.22	949	<10	33	30	8	<20	<20	7	0.64	0.86	3.99	.07	.22	31	8	3	6	<1	<5	<10	<.01	19	0.61
780381		<.2	60	2	63	1	48	14	<.2	<5	25	<5	3.89	755	<10	35	31	11	<20	<20	9	0.95	0.87	3.66	.08	.23	32	8	4	17	<1	<5	<10	<.01	17	0.13
780382		<.2	49	3	50	<1	48	16	0.2	<5	28	<5	4.05	665	<10	29	37	10	<20	<20	7	0.83	0.90	3.74	.07	.20	32	8	4	15	<1	<5	<10	<.01	17	0.21
780383		<.2	33	4	35	2	32	20	<.2	<5	13	<5	4.11	716	<10	35	22	8	<20	<20	8	0.63	0.83	4.02	.08	.22	29	7	3	4	<1	<5	<10	<.01	18	0.57
780384		<.2	47	5	32	3	31	20	1.5	<5	17	<5	3.73	697	<10	32	29	7	<20	<20	8	0.55	0.74	3.77	.07	.22	30	7	3	3	<1	<5	<10	<.01	18	0.54
780385		<.2	20	3	28	1	29	13	<.2	<5	20	<5	3.65	786	<10	31	20	8	<20	<20	9	0.59	0.91	5.22	.07	.22	53	8	2	3	<1	<5	<10	<.01	16	0.11
780386		<.2	31	3	24	2	31	15	<.2	<5	18	<5	3.33	885	<10	35	31	8	<20	<20	7	0.69	1.00	4.15	.07	.27	40	8	2	3	<1	<5	<10	<.01	17	0.24
780387	9	<.2	29	5	20	<1	28	18	<.2	<5	16	<5	4.28	778	<10	36	22	7	<20	<20	5	0.59	0.78	3.18	.05	.27	31	7	3	2	<1	<5	<10	<.01	29	2.51
780388		<.2	46	4	69	1	56	20	<.2	<5	<5	<5	5.35	850	<10	37	47	11	<20	<20	8	1.24	1.35	4.62	.05	.25	36	8	5	29	<1	<5	<10	<.01	18	0.11
780389		<.2	16	6	51	<1	65	24	<.2	<5	<5	<5	6.52	1416	<10	56	22	10	<20	<20	5	0.90	2.62	7.76	.05	.19	49	9	4	20	<1	<5	<10	<.01	13	0.19
780390		<.2	28	3	73	1	34	11	<.2	<5	<5	<5	4.01	443	<10	52	51	14	<20	<20	11	1.33	1.10	2.78	.07	.22	31	6	6	37	<1	<5	<10	<.01	16	0.05
780391		<.2	29	4	86	<1	38	14	<.2	<5	<5	<5	4.03	409	<10	43	44	17	<20	<20	11	1.44	1.04	2.45	.07	.17	32	5	6	45	<1	<5	<10	<.01	15	0.07
780392		<.2	28	2	71	2	39	16	<.2	<5	<5	<5	4.24	472	<10	50	48	15	<20	<20	9	1.35	1.16	3.00	.08	.19	45	6	6	38	<1	<5	<10	<.01	18	0.26
780393		<.2	31	3	45	2	24	10	<.2	<5	<5	<5	3.20	479	<10	38	65	14	<20	<20	12	0.84	1.01	2.83	.07	.11	26	5	5	25	<1	<5	<10	<.01	11	0.02
780394		<.2	1	3	10	3	4	1	<.2	<5	<5	<5	1.30	826	<10	25	26	3	<20	<20	5	0.51	1.07	5.39	.03	.26	62	5	<2	2	<1	<5	<10	<.01	19	0.02

CLIENT: CANADIAN ARROW
REPORT: T01-57065.0 (COMPLETE)

PROJECT: MID
DATE RECEIVED: 06-MAR-01 DATE PRINTED: 12-MAR-01 PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
780395		<.2	1	2	14	2	4	2	<.2	<5	<5	<5	1.61	1068	<10	23	26	3	<20	<20	6	0.51	1.25	7.27	.03	.25	80	5	<2	2	<1	<5	<10	<.01	18	0.03
780396	19	0.3	12	3	42	2	24	16	<.2	<5	<5	<5	3.47	740	<10	34	69	7	<20	<20	3	0.61	1.10	4.19	.04	.27	70	5	2	1	<1	<5	<10	<.01	14	0.39
780397		<.2	22	3	39	2	29	19	<.2	<5	<5	<5	3.32	555	<10	33	60	7	<20	<20	4	0.54	0.82	3.42	.04	.24	56	5	2	2	<1	<5	<10	<.01	19	0.63
780398		<.2	22	4	88	2	29	15	<.2	<5	<5	<5	4.08	462	<10	37	44	20	<20	<20	9	1.59	1.18	2.66	.09	.19	33	4	7	45	<1	<5	<10	<.01	12	0.14
780399		<.2	31	3	95	1	28	14	<.2	<5	<5	<5	4.05	373	<10	28	46	23	<20	<20	8	1.65	1.14	2.22	.09	.15	29	4	8	52	<1	<5	<10	<.01	12	0.05
780400		<.2	22	5	99	<1	31	15	0.3	<5	<5	<5	4.08	393	<10	36	48	22	<20	<20	7	1.68	1.35	2.61	.08	.17	40	4	8	48	<1	<5	<10	<.01	12	0.13
780401		<.2	27	5	101	4	33	14	1.0	<5	<5	<5	4.83	336	<10	35	43	16	<20	<20	5	1.73	1.11	2.17	.07	.17	30	4	7	51	<1	<5	<10	<.01	14	0.69
780402		<.2	9	4	15	1	1	4	<.2	<5	<5	<5	1.78	285	<10	34	34	1	<20	<20	6	0.38	0.37	1.59	.06	.18	25	5	2	<1	<1	<5	<10	<.01	31	0.55
780403		<.2	10	5	11	1	2	4	<.2	<5	<5	<5	1.52	248	<10	29	56	2	<20	<20	6	0.30	0.31	1.23	.06	.15	22	4	<2	<1	<1	<5	<10	<.01	29	0.67
780404		<.2	47	<2	34	1	19	21	0.2	<5	13	<5	4.18	960	<10	58	14	14	<20	<20	7	0.65	1.06	4.70	.07	.31	67	5	3	1	<1	<5	<10	<.01	5	0.15

CANADIAN ARROW
MR R.SKERIES
SUITE 104, 85 PINE ST S
TIMMINS, ONTARIO
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CHIMITEC
BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57066.0 (COMPLETE)

REFERENCE: 167305

CLIENT: CANADIAN ARROW

PROJECT: MID

SUBMITTED BY: D.DOW

DATE RECEIVED: 08-MAR-01 DATE PRINTED: 16-MAR-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010312	1 Au30	Gold	5	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010312	2 Ag	Ag - IC01	38	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	3 Cu	Cu - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	4 Pb	Pb - IC01	38	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	5 Zn	Zn - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	6 Mo	Mo - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	7 Ni	Ni - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	8 Co	Co - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	9 Cd	Cd - IC01	38	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	10 Bi	Bi - IC01	38	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	11 As	As - IC01	38	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	12 Sb	Sb - IC01	38	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	13 Fe	Fe - IC01	38	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	14 Mn	Mn - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	15 TE	Te - IC01	38	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	16 Ba	Ba - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	17 Cr	Cr - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	18 V	V - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	19 Sn	Sn - IC01	38	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	20 W	W - IC01	38	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	21 La	La - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	22 Al	Al - IC01	38	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	23 Mg	Mg - IC01	38	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	24 Ca	Ca - IC01	38	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	25 Na	Na - IC01	38	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	26 K	K - IC01	38	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	27 Sr	Sr - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	28 Y	Y - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	29 Ga	Ga - IC01	38	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	30 Li	Li - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	31 Nb	Nb - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	32 Sc	Sc - IC01	38	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	33 Ta	Ta - IC01	38	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	34 Ti	Ti - IC01	38	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	35 Zr	Zr - IC01	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010312	36 S	S - IC01	38	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	38	-150	38	CRUSH, SPLIT	38
				PULVERIZATION	38

REPORT COPIES TO: MR R.SKERIES

INVOICE TO: MR R.SKERIES

CHIMITEC
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VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57066.0 (COMPLETE)
DATE RECEIVED: 08-MAR-01 DATE PRINTED: 16-MAR-01 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780405			<.2	28	5	33	3	38	19	0.3	<5	5	<5	2.82	447	<10	54	40	7	<20	<20	7	0.62	0.60	1.87	.04	.29	33	3	<2	4	<1	<5	<10	<.01	10	0.96
780406			0.3	26	6	26	3	25	16	0.2	<5	<5	<5	2.47	496	<10	50	49	6	<20	<20	7	0.49	0.66	2.21	.03	.26	40	3	<2	2	<1	<5	<10	<.01	8	0.62
780407			0.2	46	5	29	1	24	17	0.3	<5	<5	<5	3.35	412	<10	66	44	10	<20	<20	5	0.67	0.64	2.02	.05	.34	41	3	<2	2	<1	<5	<10	<.01	12	1.36
780408			0.3	37	6	13	2	27	22	0.4	<5	<5	<5	2.87	230	<10	62	37	7	<20	<20	5	0.58	0.31	1.06	.03	.33	26	3	<2	<1	<1	<5	<10	<.01	19	2.31
780409			<.2	40	4	16	2	30	19	0.3	<5	<5	<5	2.67	260	<10	66	44	6	<20	<20	6	0.59	0.32	1.05	.03	.34	23	3	<2	1	<1	<5	<10	<.01	14	2.07
780410			<.2	33	<2	42	2	38	13	0.3	<5	6	<5	2.48	446	<10	69	32	8	<20	<20	10	0.88	0.58	1.40	.03	.33	27	4	<2	11	<1	<5	<10	<.01	12	0.40
780411			<.2	33	<2	42	2	37	16	0.3	<5	<5	<5	2.54	459	<10	71	36	8	<20	<20	12	0.92	0.56	1.30	.04	.34	24	4	<2	12	<1	<5	<10	<.01	12	0.33
780412			0.3	51	<2	77	1	53	22	0.4	<5	6	<5	4.19	717	<10	56	42	12	<20	<20	9	1.12	0.93	1.72	.06	.25	31	4	2	25	<1	<5	<10	<.01	14	0.51
780413			<.2	29	3	31	3	29	20	0.3	<5	9	<5	3.12	730	<10	62	33	8	<20	<20	8	0.60	0.63	1.76	.07	.26	30	3	<2	4	<1	<5	<10	<.01	16	1.00
780414			<.2	38	2	35	3	47	24	0.4	<5	9	<5	3.53	714	<10	63	28	8	<20	<20	9	0.59	0.67	1.70	.07	.27	30	4	<2	2	<1	<5	<10	<.01	16	0.68
780415		<5	<.2	39	5	43	2	45	19	0.4	<5	5	<5	4.13	740	<10	64	43	8	<20	<20	10	0.61	0.85	1.94	.07	.25	32	4	<2	3	<1	<5	<10	<.01	15	0.38
780416			<.2	32	<2	44	2	47	19	0.4	<5	8	<5	4.20	820	<10	54	37	8	<20	<20	9	0.60	1.02	2.50	.07	.23	40	4	<2	4	<1	<5	<10	<.01	13	0.24
780417			<.2	21	4	32	2	31	10	0.3	<5	<5	5	2.82	713	<10	47	118	7	<20	<20	8	0.44	0.87	3.02	.05	.21	42	4	<2	2	<1	<5	<10	<.01	13	0.10
780418			<.2	39	4	47	2	45	20	0.5	<5	8	7	4.08	658	<10	65	25	8	<20	<20	9	0.65	0.87	1.71	.07	.28	32	4	<2	3	<1	<5	<10	<.01	13	0.30
780419			<.2	35	3	41	2	43	18	0.3	<5	7	<5	3.64	732	<10	61	35	9	<20	<20	9	0.66	0.94	2.07	.08	.26	36	4	<2	4	<1	<5	<10	<.01	14	0.28
780420			<.2	38	<2	36	2	39	18	0.3	<5	9	<5	3.25	715	<10	61	24	7	<20	<20	9	0.58	0.96	2.15	.07	.25	37	4	<2	3	<1	<5	<10	<.01	11	0.19
780421			<.2	29	<2	41	2	42	18	0.4	<5	5	<5	3.67	641	<10	64	46	8	<20	<20	8	0.62	0.98	2.32	.07	.26	36	4	<2	4	<1	<5	<10	<.01	13	0.51
780422			<.2	34	6	35	3	42	24	0.4	<5	6	<5	3.87	591	<10	53	50	7	<20	<20	5	0.47	0.57	1.71	.06	.21	26	3	<2	3	<1	<5	<10	<.01	18	2.22
780423		<5	<.2	22	4	31	2	33	14	0.3	<5	<5	<5	2.81	889	<10	58	39	8	<20	<20	6	0.52	0.76	2.46	.07	.23	35	4	<2	2	<1	<5	<10	<.01	12	0.46
780424			<.2	30	3	41	3	44	18	0.3	<5	5	<5	3.81	874	<10	58	43	8	<20	<20	8	0.55	0.88	2.12	.07	.22	34	4	<2	3	<1	<5	<10	<.01	13	0.46
780425			<.2	31	<2	39	2	36	16	0.3	<5	7	<5	3.43	878	<10	60	34	8	<20	<20	10	0.58	0.93	2.36	.08	.23	34	4	<2	3	<1	<5	<10	<.01	11	0.24
780426			<.2	38	3	48	2	40	17	<.2	<5	<5	<5	3.92	843	<10	56	42	8	<20	<20	8	0.58	1.00	2.40	.08	.21	34	4	<2	4	<1	<5	<10	<.01	14	0.48
780427			<.2	30	<2	43	2	38	17	0.2	<5	<5	<5	3.21	585	<10	59	39	9	<20	<20	10	0.69	0.90	1.83	.09	.22	31	4	<2	7	<1	<5	<10	<.01	12	0.22
780428		<5	0.2	39	5	36	3	45	21	0.4	<5	<5	<5	3.36	507	<10	61	54	8	<20	<20	7	0.55	0.69	1.51	.07	.23	27	3	<2	3	<1	<5	<10	<.01	17	1.07
780429			0.2	43	5	29	2	43	22	0.4	<5	7	10	3.17	645	<10	63	50	8	<20	<20	6	0.52	0.64	1.89	.07	.23	33	3	<2	2	<1	<5	<10	<.01	18	1.62
780430			<.2	27	5	28	2	42	20	0.3	<5	<5	<5	2.96	520	<10	53	44	7	<20	<20	6	0.44	0.47	1.33	.07	.19	24	3	<2	2	<1	<5	<10	<.01	18	1.75
780431			<.2	29	5	25	1	37	20	0.3	<5	5	<5	2.96	456	<10	65	33	8	<20	<20	8	0.51	0.44	1.23	.07	.23	23	3	<2	2	<1	<5	<10	<.01	19	1.68
780432			0.3	45	7	42	3	43	21	0.3	<5	9	<5	3.92	765	<10	65	28	7	<20	<20	8	0.57	0.90	2.04	.07	.23	35	4	<2	4	<1	<5	<10	<.01	14	0.99
780433			<.2	33	3	37	1	38	18	0.3	<5	9	<5	3.37	755	<10	64	31	7	<20	<20	8	0.56	0.79	1.87	.07	.22	31	3	<2	3	<1	<5	<10	<.01	13	0.72
780434			<.2	33	3	46	2	46	18	0.4	<5	7	<5	4.01	998	<10	65	23	8	<20	<20	10	0.64	1.05	2.36	.09	.23	38	4	<2	4	<1	<5	<10	<.01	12	0.28

CLIENT: CANADIAN ARROW
REPORT: T01-57066.0 (COMPLETE)

PROJECT: MID
DATE RECEIVED: 08-MAR-01 DATE PRINTED: 16-MAR-01 PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
780435		<.2	38	4	37	3	42	20	0.3	<5	11	<5	3.53	887	<10	79	27	8	<20	<20	8	0.65	0.80	2.08	.08	.26	30	4	<2	3	<1	<5	<10	<.01	13	0.62
780436	<5	<.2	38	3	38	2	51	23	0.4	<5	6	<5	4.52	956	<10	69	29	8	<20	<20	5	0.62	0.68	1.93	.07	.26	30	3	<2	3	<1	<5	<10	<.01	18	2.35
780437		<.2	34	5	38	2	54	33	0.3	<5	5	<5	4.81	1009	<10	75	27	7	<20	<20	6	0.62	0.63	1.78	.07	.28	22	3	<2	3	<1	<5	<10	<.01	17	2.37
780438		0.2	28	4	20	3	33	24	0.3	<5	7	<5	3.03	994	<10	76	29	6	<20	<20	7	0.52	0.50	2.03	.05	.26	24	3	<2	2	<1	<5	<10	<.01	15	1.66
780439		0.9	40	18	20	4	52	45	0.4	<5	19	<5	4.34	788	<10	55	32	7	<20	<20	7	0.59	0.44	1.75	.06	.31	22	3	<2	2	<1	<5	<10	<.01	19	3.14
780440	5	<.2	35	2	36	2	38	21	0.3	<5	5	<5	3.77	1052	<10	64	36	7	<20	<20	7	0.57	0.83	2.40	.07	.23	28	4	<2	3	<1	<5	<10	<.01	12	0.61
780441		<.2	32	4	36	2	34	17	0.4	<5	<5	<5	3.90	922	<10	64	45	7	<20	<20	6	0.60	0.85	2.66	.07	.24	30	3	<2	3	<1	<5	<10	<.01	15	1.10
780442		<.2	22	<2	35	2	31	10	<.2	<5	<5	<5	2.51	692	<10	43	53	10	<20	<20	7	0.90	0.79	2.22	.09	.18	33	3	2	17	<1	<5	<10	<.01	13	0.21

CANADIAN ARROW
MR. R. SKERIES
P.O. BOX 1756
TIMMINS, ONTARIO
P4N 7W9

CHIMITEC BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57067.0 (COMPLETE)

REFERENCE:

CLIENT: CANADIAN ARROW

PROJECT: MID

SUBMITTED BY: D. DOW

DATE RECEIVED: 09-MAR-01 DATE PRINTED: 19-MAR-01

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010313	1 Au30	Gold	13	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010313	2 Ag	Ag - IC01	73	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	3 Cu	Cu - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	4 Pb	Pb - IC01	73	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	5 Zn	Zn - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	6 Mo	Mo - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	7 Ni	Ni - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	8 Co	Co - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	9 Cd	Cd - IC01	73	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	10 Bi	Bi - IC01	73	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	11 As	As - IC01	73	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	12 Sb	Sb - IC01	73	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	13 Fe	Fe - IC01	73	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	14 Mn	Mn - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	15 TE	Te - IC01	73	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	16 Ba	Ba - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	17 Cr	Cr - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	18 V	V - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	19 Sn	Sn - IC01	73	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	20 W	W - IC01	73	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	21 La	La - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	22 Al	Al - IC01	73	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	23 Mg	Mg - IC01	73	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	24 Ca	Ca - IC01	73	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	25 Na	Na - IC01	73	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	26 K	K - IC01	73	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	27 Sr	Sr - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	28 Y	Y - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	29 Ga	Ga - IC01	73	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	30 Li	Li - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	31 Nb	Nb - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	32 Sc	Sc - IC01	73	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	33 Ta	Ta - IC01	73	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	34 Ti	Ti - IC01	73	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	35 Zr	Zr - IC01	73	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010313	36 S	S - IC01	73	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBE
DRILL CORE	73	-150	73	CRUSH, SPLIT	73
				PULVERIZATION	73

REPORT COPIES TO: MR. R. SKERIES

INVOICE TO: MR. R. SKERIES

CHIMITEC BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW PROJECT: MID

REPORT: T01-57067.0 (COMPLETE) DATE RECEIVED: 09-MAR-01 DATE PRINTED: 19-MAR-01

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780443			0.8	30	9	47	1	30	19	<.2	11	11	<5	3.87	831	<10	42	81	7	<20	<20	5	0.54	2.03	2.45	.02	.30	63	5	<2	2	<1	<5	<10	<.01	22	1.50
780444			0.6	11	3	47	<1	44	12	<.2	5	7	<5	3.95	1096	<10	37	44	7	<20	<20	8	0.64	3.18	2.75	.01	.28	75	5	<2	8	<1	5	<10	<.01	10	0.40
780445			0.9	29	9	60	<1	48	16	<.2	<5	5	<5	3.81	743	<10	52	66	10	<20	<20	8	0.90	2.28	1.74	.02	.39	46	6	<2	9	2	<5	<10	<.01	16	1.22
780446			0.9	26	7	22	1	22	14	<.2	5	<5	<5	2.77	475	<10	43	54	6	<20	<20	7	0.61	1.11	1.30	.01	.32	33	4	<2	2	1	<5	<10	<.01	16	1.52
780447			1.7	62	15	32	<1	39	38	<.2	11	13	9	5.52	655	<10	39	51	5	<20	<20	4	0.56	1.26	2.01	.01	.30	50	4	2	2	2	<5	<10	<.01	27	4.19
780448		<5	0.5	23	5	16	2	28	16	<.2	<5	16	<5	1.79	507	<10	43	46	7	<20	<20	8	0.62	0.92	1.62	.01	.33	34	4	<2	2	<1	<5	<10	<.01	8	0.74
780449			1.7	49	12	26	1	40	37	<.2	13	20	9	4.50	465	<10	44	46	7	<20	<20	5	0.68	0.86	1.52	.01	.35	34	5	3	2	2	<5	<10	<.01	30	3.67
780450		8	0.9	30	6	22	1	39	25	<.2	8	12	<5	3.14	515	<10	41	45	6	<20	<20	7	0.63	0.99	1.32	.01	.31	29	4	<2	3	1	<5	<10	<.01	19	1.84
780451			1.0	40	11	49	<1	58	26	<.2	7	8	<5	3.16	589	<10	43	52	8	<20	<20	8	0.81	1.34	1.22	.01	.33	27	4	<2	10	1	<5	<10	<.01	14	1.17
780452			0.7	35	6	68	<1	53	27	<.2	<5	8	<5	3.62	694	<10	42	53	8	<20	<20	8	0.84	1.07	1.41	.01	.33	24	4	<2	11	2	<5	<10	<.01	17	1.91
780453			1.0	54	8	79	<1	64	45	<.2	5	28	7	4.37	554	<10	35	58	7	<20	<20	7	0.77	1.10	0.95	.01	.27	19	4	<2	14	2	<5	<10	<.01	21	2.54
780454			0.5	30	4	73	<1	55	24	<.2	<5	7	5	3.62	466	<10	36	47	8	<20	<20	8	0.89	1.31	0.85	.01	.28	18	4	<2	18	1	<5	<10	<.01	19	1.67
780455			1.7	61	9	140	2	107	67	<.2	11	51	10	5.66	797	<10	39	60	10	<20	<20	5	1.14	2.08	2.08	.01	.32	47	5	<2	28	2	<5	<10	<.01	30	3.36
780456			0.7	46	4	132	1	76	41	<.2	6	16	6	4.29	548	<10	37	54	10	<20	<20	8	1.30	1.70	1.42	.01	.29	31	5	<2	35	2	<5	<10	<.01	24	2.20
780457			1.9	49	9	109	<1	59	29	0.3	15	12	6	4.48	651	<10	40	62	9	<20	<20	6	1.05	1.57	1.90	.01	.33	41	5	<2	21	2	<5	<10	<.01	27	2.88
780458		8	1.4	20	8	59	<1	44	15	<.2	16	<5	<5	3.31	698	<10	35	59	8	<20	<20	6	0.85	1.50	2.14	.02	.29	44	5	<2	15	<1	<5	<10	<.01	20	1.82
780459			2.4	85	20	111	<1	56	26	<.2	41	5	6	5.53	603	<10	40	62	11	<20	<20	5	1.31	1.69	1.66	.02	.33	35	5	<2	33	2	<5	<10	<.01	31	3.25
780460			0.6	39	4	80	<1	37	15	<.2	9	<5	<5	4.03	711	<10	41	52	11	<20	<20	8	1.24	1.91	1.94	.02	.34	38	4	<2	29	<1	<5	<10	<.01	18	1.44
780461			0.8	34	9	33	1	31	16	<.2	18	<5	<5	3.47	747	<10	44	58	9	<20	<20	6	0.86	1.44	2.39	.02	.37	48	5	<2	9	1	<5	<10	<.01	20	1.86
780462			2.0	46	64	50	1	27	15	<.2	108	<5	<5	4.05	720	<10	30	56	5	<20	<20	4	0.69	1.44	2.31	.01	.24	46	5	<2	13	<1	<5	<10	<.01	27	2.43
780463			0.9	25	13	35	<1	32	14	<.2	25	<5	<5	3.48	670	<10	38	53	7	<20	<20	6	0.70	1.27	2.22	.02	.30	40	5	<2	9	1	<5	<10	<.01	21	2.00
780464			0.5	33	3	32	<1	40	19	<.2	7	5	<5	4.02	698	<10	40	49	8	<20	<20	6	0.75	1.33	2.36	.02	.30	44	6	<2	10	1	<5	<10	<.01	22	2.26
780465			0.5	36	<2	38	1	36	16	<.2	6	<5	<5	3.35	776	<10	40	48	9	<20	<20	5	0.88	1.43	2.47	.02	.34	44	5	<2	13	<1	<5	<10	<.01	12	0.95
780466			0.8	27	5	21	<1	35	18	<.2	12	<5	<5	3.65	730	<10	36	51	7	<20	<20	4	0.63	1.16	2.32	.02	.30	41	6	<2	5	1	<5	<10	<.01	16	1.95
780467			0.4	36	<2	44	<1	41	18	<.2	6	<5	<5	3.71	743	<10	48	70	12	<20	<20	6	0.99	1.41	2.22	.03	.36	42	5	<2	15	<1	<5	<10	<.01	12	0.99
780468			0.5	28	<2	46	1	34	13	<.2	6	<5	<5	3.06	735	<10	42	58	12	<20	<20	7	1.01	1.31	2.41	.03	.34	44	5	<2	19	<1	<5	<10	<.01	11	0.68
780469			0.5	39	2	68	<1	37	14	<.2	7	<5	<5	3.40	691	<10	42	58	14	<20	<20	7	1.28	1.40	2.18	.03	.33	40	5	<2	32	<1	<5	<10	<.01	14	0.84
780470		<5	0.6	48	3	81	1	37	17	<.2	7	<5	<5	3.59	657	<10	38	63	15	<20	<20	6	1.42	1.44	1.98	.03	.30	37	5	<2	40	1	<5	<10	<.01	16	1.17
780471			0.8	35	4	88	<1	39	19	<.2	10	<5	<5	4.02	729	<10	44	55	16	<20	<20	5	1.56	1.63	2.13	.03	.34	41	5	<2	45	1	<5	<10	<.01	20	1.63
780472			1.1	31	11	62	<1	31	13	<.2	22	<5	<5	3.51	826	<10	40	73	12	<20	<20	4	1.18	1.60	2.56	.03	.30	47	5	<2	31	1	<5	<10	<.01	18	1.59

BC CHIMITEC BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW PROJECT: MID

REPORT: T01-57067.0 (COMPLETE) DATE RECEIVED: 09-MAR-01 DATE PRINTED: 19-MAR-01

SAMPLE NUMBER	ELEMENT Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
780473		0.7	29	2	57	1	38	16	<.2	9	6	<5	3.34	755	<10	40	60	12	<20	<20	5	1.07	1.46	2.58	.04	.29	47	5	<2	26	<1	<5	<10	<.01	17	1.41
780474	<5	0.4	32	2	62	<1	40	17	<.2	6	<5	<5	3.72	797	<10	41	73	13	<20	<20	4	1.10	1.60	2.87	.04	.29	56	5	<2	28	<1	<5	<10	<.01	17	1.48
780475		0.4	34	<2	66	<1	39	18	<.2	<5	<5	<5	3.76	650	<10	51	88	17	<20	<20	5	1.18	1.34	2.47	.06	.31	46	5	<2	27	1	<5	<10	<.01	17	1.49
780476	<5	0.6	43	<2	39	1	34	14	<.2	7	<5	<5	3.44	559	<10	52	129	15	<20	<20	5	0.91	1.09	2.24	.05	.33	44	5	<2	14	1	<5	<10	<.01	22	1.89
780477		0.4	34	3	44	<1	45	20	<.2	5	<5	<5	3.86	619	<10	49	62	11	<20	<20	5	0.89	1.17	2.47	.04	.30	49	6	<2	14	2	<5	<10	<.01	22	2.19
780478		0.3	30	<2	42	1	39	18	<.2	6	5	<5	3.30	647	<10	50	55	10	<20	<20	5	0.77	1.07	2.67	.04	.30	46	5	<2	11	<1	<5	<10	<.01	13	1.33
780479		<.2	25	<2	76	<1	39	14	<.2	<5	<5	<5	3.60	849	<10	38	70	12	<20	<20	8	0.90	1.38	3.40	.05	.22	57	4	<2	22	<1	<5	<10	<.01	11	0.19
780480		0.3	47	<2	43	<1	42	18	<.2	<5	<5	<5	3.81	738	<10	62	65	10	<20	<20	4	0.70	0.87	2.96	.05	.28	41	5	2	10	<1	<5	<10	<.01	16	1.28
780481		0.2	23	<2	33	1	34	12	<.2	<5	<5	<5	3.48	862	<10	54	51	8	<20	<20	4	0.53	0.76	3.30	.04	.25	41	5	<2	5	1	<5	<10	<.01	15	0.96
780482	<5	0.2	27	<2	53	1	42	11	<.2	<5	<5	<5	2.91	1267	<10	45	39	10	<20	<20	5	0.63	0.55	5.47	.05	.22	66	5	4	11	1	<5	<10	<.01	12	0.43
780483		0.2	28	<2	64	1	37	15	<.2	<5	<5	<5	3.19	1141	<10	55	43	12	<20	<20	6	0.79	0.56	5.33	.06	.27	65	5	3	14	<1	<5	<10	<.01	12	0.55
780484		0.3	37	<2	69	1	38	20	<.2	<5	<5	<5	3.50	976	<10	62	48	12	<20	<20	5	0.86	0.54	4.05	.05	.30	50	5	5	15	2	<5	<10	<.01	15	1.09
780485		0.4	38	<2	87	<1	37	15	<.2	<5	<5	<5	4.11	1794	<10	49	56	12	<20	<20	4	0.83	0.82	6.32	.05	.24	89	6	3	18	1	<5	<10	<.01	14	0.92
780486		0.3	32	<2	72	1	36	14	<.2	<5	<5	<5	3.59	1209	<10	58	41	11	<20	<20	6	0.85	0.72	3.76	.05	.29	48	5	3	14	1	<5	<10	<.01	13	0.73
780487		0.3	35	2	58	<1	41	22	<.2	<5	<5	<5	3.73	1004	<10	63	61	11	<20	<20	5	0.81	0.50	3.97	.05	.30	49	5	4	12	1	<5	<10	<.01	18	1.78
780488	<5	0.4	32	<2	52	<1	37	21	<.2	<5	<5	<5	3.09	1209	<10	55	45	9	<20	<20	5	0.72	0.52	5.21	.04	.29	66	5	4	10	<1	<5	<10	<.01	14	1.15
780489		<.2	30	<2	31	<1	30	13	<.2	<5	<5	<5	2.77	1004	<10	51	42	7	<20	<20	6	0.56	0.55	4.27	.04	.29	55	4	2	4	<1	<5	<10	<.01	11	0.56
780490	<5	0.3	39	<2	26	<1	30	19	<.2	<5	<5	<5	2.82	1127	<10	43	36	7	<20	<20	5	0.44	0.49	5.11	.03	.25	72	4	2	2	<1	<5	<10	<.01	13	1.09
780491		0.7	31	4	22	<1	25	15	<.2	11	<5	<5	2.82	1113	<10	50	46	7	<20	<20	6	0.53	0.48	4.20	.03	.30	58	5	2	1	1	<5	<10	<.01	14	1.21
780492		1.3	28	6	39	1	32	14	<.2	16	<5	<5	3.24	1185	<10	40	64	6	<20	<20	5	0.46	0.59	4.04	.03	.24	64	5	3	2	<1	<5	<10	<.01	14	1.25
780493		0.2	25	<2	28	<1	27	8	<.2	<5	<5	<5	3.08	1320	<10	50	37	7	<20	<20	10	0.58	0.82	3.68	.03	.33	51	4	<2	2	<1	<5	<10	<.01	8	0.12
780494	<5	0.6	19	<2	40	1	30	15	<.2	8	7	<5	3.47	2171	<10	34	42	5	<20	<20	4	0.37	0.83	>10.00	.02	.23	105	6	<2	3	<1	<5	<10	<.01	11	0.97
780495		0.6	49	4	42	<1	38	23	<.2	10	13	<5	4.08	1859	<10	43	41	7	<20	<20	5	0.56	0.84	6.97	.03	.28	78	6	3	5	<1	<5	<10	<.01	15	1.46
780496		<.2	30	<2	36	<1	38	15	<.2	<5	15	<5	2.66	1381	<10	46	42	7	<20	<20	11	0.59	0.78	4.60	.03	.32	62	4	<2	4	<1	<5	<10	<.01	8	0.13
780497		0.4	30	<2	62	1	33	16	<.2	<5	<5	<5	3.31	1953	<10	40	43	7	<20	<20	6	0.59	0.84	7.04	.03	.27	79	6	<2	8	<1	<5	<10	<.01	13	0.72
780498		0.4	18	<2	56	<1	32	16	<.2	<5	<5	<5	4.36	2216	<10	32	41	6	<20	<20	4	0.51	1.43	5.91	.03	.21	89	6	<2	9	<1	<5	<10	<.01	13	0.85
780499		0.5	20	<2	50	<1	25	14	<.2	<5	<5	<5	3.97	2074	<10	34	42	6	<20	<20	4	0.49	1.26	5.31	.03	.22	77	5	<2	7	<1	<5	<10	<.01	15	0.90
780500		0.8	24	<2	173	<1	24	15	0.5	<5	5	<5	6.60	4910	<10	26	33	6	<20	<20	3	0.39	2.63	>10.00	.03	.16	187	8	<2	9	<1	<5	<10	<.01	13	1.62
780501	<5	0.5	26	<2	47	<1	28	15	<.2	<5	6	<5	4.51	1904	<10	39	34	7	<20	<20	5	0.60	0.97	5.02	.03	.26	61	6	3	8	<1	<5	<10	<.01	18	1.21
780502		0.5	28	<2	91	<1	28	13	<.2	<5	<5	<5	5.76	2362	<10	31	48	9	<20	<20	4	0.88	1.31	5.60	.03	.21	83	5	3	23	1	<5	<10	<.01	17	1.22

CHIMITEC
BONDAR CLEGG

ISO 9002 REGISTERED
VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57067.0 (COMPLETE)
DATE RECEIVED: 09-MAR-01 DATE PRINTED: 19-MAR-01 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780503			0.3	24	<2	90	<1	30	10	<.2	<5	<5	<5	5.07	2651	<10	33	43	10	<20	<20	6	0.91	1.46	7.33	.04	.23	111	6	2	23	1	<5	<10	<.01	13	0.22
780504			0.3	19	<2	53	1	28	11	<.2	<5	9	<5	3.38	2668	<10	30	38	6	<20	<20	7	0.43	1.53	>10.00	.04	.20	182	7	<2	7	<1	<5	<10	<.01	10	0.20
780505			0.3	21	<2	42	1	24	13	<.2	<5	10	<5	3.54	2089	<10	35	40	6	<20	<20	6	0.43	1.06	7.66	.04	.25	103	7	<2	3	<1	<5	<10	<.01	12	0.55
780506			0.7	28	<2	135	<1	28	13	0.5	<5	12	<5	4.62	1878	<10	35	43	7	<20	<20	5	0.37	1.21	6.10	.04	.23	103	6	<2	2	<1	<5	<10	<.01	15	2.07
780507			<.2	31	<2	56	1	33	13	<.2	<5	28	<5	3.03	1432	<10	41	36	8	<20	<20	8	0.49	1.07	5.44	.05	.28	88	5	<2	2	<1	<5	<10	<.01	9	0.27
780508			<.2	28	<2	57	<1	39	16	<.2	<5	15	<5	3.69	1894	<10	31	35	6	<20	<20	6	0.41	1.27	7.98	.04	.21	113	6	<2	5	<1	<5	<10	<.01	9	0.19
780509		<5	<.2	5	2	25	1	16	6	<.2	<5	6	<5	1.44	1968	<10	16	66	3	<20	<20	6	0.20	0.44	>10.00	.03	.11	579	13	<2	3	<1	<5	<10	<.01	8	0.16
780510			0.2	28	<2	38	<1	29	15	<.2	<5	15	<5	3.00	1762	<10	35	42	6	<20	<20	6	0.35	1.45	5.41	.04	.22	94	6	<2	1	<1	<5	<10	<.01	11	0.42
780511			<.2	35	<2	35	<1	42	16	<.2	<5	11	<5	3.39	1124	<10	40	31	8	<20	<20	7	0.57	0.97	4.63	.06	.26	72	6	<2	5	<1	<5	<10	<.01	11	0.13
780512		<5	0.3	26	<2	30	1	30	18	<.2	<5	8	<5	3.82	1464	<10	38	35	7	<20	<20	6	0.48	0.97	5.97	.05	.26	99	6	<2	3	<1	<5	<10	<.01	13	0.43
780513			0.2	30	<2	22	<1	16	16	<.2	<5	9	<5	3.07	1384	<10	38	39	6	<20	<20	5	0.47	0.89	5.10	.03	.28	73	5	<2	2	<1	<5	<10	<.01	12	0.46
780514			0.3	37	<2	60	<1	50	20	<.2	<5	7	<5	3.60	989	<10	33	40	8	<20	<20	6	0.70	0.86	3.22	.03	.24	50	5	<2	14	<1	<5	<10	<.01	23	0.59
780515			<.2	47	<2	7	3	18	27	<.2	<5	36	<5	0.43	106	<10	34	41	6	<20	<20	12	0.52	0.10	0.44	.03	.25	11	8	<2	2	<1	<5	<10	<.01	26	0.06

CANADIAN ARROW
MR R.SKERIES
SUITE 104, 85 PINE ST S
TIMMINS, ONTARIO
P4N 2K1

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57068.0 (COMPLETE)

REFERENCE: 167307

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.DOW

PROJECT: MID

DATE RECEIVED: 12-MAR-01 DATE PRINTED: 19-MAR-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010315	1 Au30	Gold	4	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010315	2 Ag	Ag - IC01	16	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	3 Cu	Cu - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	4 Pb	Pb - IC01	16	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	5 Zn	Zn - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	6 Mo	Mo - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	7 Ni	Ni - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	8 Co	Co - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	9 Cd	Cd - IC01	16	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	10 Bi	Bi - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	11 As	As - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	12 Sb	Sb - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	13 Fe	Fe - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	14 Mn	Mn - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	15 TE	Te - IC01	16	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	16 Ba	Ba - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	17 Cr	Cr - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	18 V	V - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	19 Sn	Sn - IC01	16	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	20 W	W - IC01	16	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	21 La	La - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	22 Al	Al - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	23 Mg	Mg - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	24 Ca	Ca - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	25 Na	Na - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	26 K	K - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	27 Sr	Sr - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	28 Y	Y - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	29 Ga	Ga - IC01	16	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	30 Li	Li - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	31 Nb	Nb - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	32 Sc	Sc - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	33 Ta	Ta - IC01	16	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	34 Ti	Ti - IC01	16	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	35 Zr	Zr - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	36 S	S - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	16	-150	16	CRUSH, SPLIT	16
				PULVERIZATION	16

REPORT COPIES TO: MR R.SKERIES

INVOICE TO: MR R.SKERIES

CHIMITEC
BONDAR CLEGG

ISO 9002 REGISTERED
VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57068.0 (COMPLETE)
DATE RECEIVED: 12-MAR-01 DATE PRINTED: 19-MAR-01 PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780516			<.2	32	<2	78	<1	64	19	<.2	<5	18	<5	4.40	714	<10	23	91	11	<20	<20	4	.65	0.94	3.14	.10	.14	29	6	3	12	2	<5	<10	<.01	15	0.05
780517		<5	<.2	31	<2	54	<1	30	17	<.2	<5	19	<5	4.08	1034	<10	28	96	9	<20	<20	4	.51	0.89	3.79	.09	.13	28	6	<2	6	2	<5	<10	<.01	14	0.14
780518			<.2	37	<2	91	<1	52	13	0.2	<5	<5	<5	6.78	476	<10	23	40	12	<20	<20	6	.97	0.54	0.16	.08	.16	8	5	7	21	4	<5	<10	<.01	17	0.13
780519			0.7	64	6	25	1	77	35	<.2	<5	36	<5	3.33	187	<10	19	42	7	<20	<20	6	.60	0.16	0.24	.08	.17	9	5	4	5	2	<5	<10	<.01	25	1.69
780520			0.8	49	8	10	1	41	43	<.2	<5	16	<5	1.86	9	<10	18	18	5	<20	<20	10	.52	0.02	0.10	.08	.15	13	6	4	2	1	<5	<10	<.01	32	1.97
780521			0.3	12	<2	40	<1	10	12	<.2	<5	6	<5	4.02	1597	<10	34	34	5	<20	<20	7	.47	1.00	4.36	.02	.32	47	5	<2	1	1	<5	<10	<.01	16	0.22
780522		<5	0.3	14	<2	36	1	11	18	<.2	<5	8	<5	3.49	1267	<10	34	43	5	<20	<20	6	.45	0.84	3.50	.02	.30	40	5	<2	<1	1	<5	<10	<.01	21	0.53
780523			<.2	29	<2	18	2	6	7	0.3	<5	<5	<5	1.88	885	<10	48	116	5	<20	<20	11	.41	0.38	5.22	.01	.33	187	8	<2	<1	<1	<5	<10	<.01	14	0.10
780524		<5	<.2	37	<2	19	1	4	6	0.3	<5	<5	<5	1.79	1018	<10	40	118	4	<20	<20	10	.32	0.35	6.48	.01	.27	261	11	<2	<1	<1	<5	<10	<.01	14	0.06
780525			<.2	32	<2	25	1	5	10	<.2	<5	<5	<5	2.44	743	<10	66	42	5	<20	<20	18	.54	0.48	2.81	.01	.43	60	4	<2	<1	1	<5	<10	<.01	13	0.04
780526			<.2	40	<2	28	1	6	10	<.2	<5	<5	<5	2.51	1102	<10	53	62	5	<20	<20	10	.42	0.50	6.73	.02	.35	172	6	<2	<1	<1	<5	<10	<.01	15	0.15
780527			0.2	12	<2	24	2	5	10	<.2	<5	<5	<5	2.62	1140	<10	55	46	5	<20	<20	13	.42	0.65	4.66	.03	.36	83	4	<2	<1	<1	<5	<10	<.01	15	0.16
780528			<.2	21	<2	17	2	5	4	<.2	<5	<5	<5	1.22	373	<10	53	165	5	<20	<20	11	.33	0.29	2.44	.04	.24	84	5	<2	<1	<1	<5	<10	<.01	19	0.02
780529			<.2	59	<2	17	1	5	3	<.2	<5	<5	<5	1.08	431	<10	14	120	2	<20	<20	5	.12	0.25	3.76	.09	.04	121	5	<2	<1	<1	<5	<10	<.01	15	0.03
780530		<5	<.2	45	<2	15	1	5	5	<.2	<5	<5	<5	1.17	471	<10	57	110	5	<20	<20	18	.40	0.26	3.55	.04	.30	129	8	<2	<1	<1	<5	<10	<.01	20	0.03
780531			0.3	12	<2	18	1	4	6	<.2	<5	<5	<5	1.27	603	<10	57	44	5	<20	<20	14	.49	0.35	3.35	.02	.36	90	4	<2	<1	<1	<5	<10	<.01	12	0.14

CANADIAN ARROW
MR R.SKERIES
SUITE 104, 85 PINE ST S
TIMMINS, ONTARIO
P4N 2K1

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57069.0 (COMPLETE)

REFERENCE: 167308

CLIENT: CANADIAN ARROW

SUBMITTED BY: D.DOW

PROJECT: MID

DATE RECEIVED: 12-MAR-01 DATE PRINTED: 19-MAR-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010315	1 Au30	Gold	8	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010315	2 Ag	Ag - ICO1	55	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	3 Cu	Cu - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	4 Pb	Pb - ICO1	55	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	5 Zn	Zn - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	6 Mo	Mo - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	7 Ni	Ni - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	8 Co	Co - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	9 Cd	Cd - ICO1	55	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	10 Bi	Bi - ICO1	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	11 As	As - ICO1	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	12 Sb	Sb - ICO1	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	13 Fe	Fe - ICO1	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	14 Mn	Mn - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	15 TE	Te - ICO1	55	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	16 Ba	Ba - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	17 Cr	Cr - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	18 V	V - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	19 Sn	Sn - ICO1	55	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	20 W	W - ICO1	55	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	21 La	La - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	22 Al	Al - ICO1	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	23 Mg	Mg - ICO1	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	24 Ca	Ca - ICO1	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	25 Na	Na - ICO1	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	26 K	K - ICO1	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	27 Sr	Sr - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	28 Y	Y - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	29 Ga	Ga - ICO1	55	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	30 Li	Li - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	31 Nb	Nb - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	32 Sc	Sc - ICO1	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	33 Ta	Ta - ICO1	55	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	34 Ti	Ti - ICO1	55	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	35 Zr	Zr - ICO1	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010315	36 S	S - ICO1	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	55	-150	55	CRUSH, SPLIT	55
				PULVERIZATION	55

REPORT COPIES TO: MR R.SKERIES

INVOICE TO: MR R.SKERIES

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: MID
REPORT: T01-57069.0 (COMPLETE)
DATE RECEIVED: 12-MAR-01
DATE PRINTED: 19-MAR-01

SAMPLE NUMBER	ELEMENT Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
780532		0.9	139	14	63	<1	59	54	<0.2	<5	63	10	6.22	527	<10	42	44	5	<20	<20	10	0.56	0.63	1.36	<.01	.40	44	5	6	1	3	<5	<10	<.01	29	3.22
780533		0.3	37	3	119	<1	30	28	<0.2	<5	35	<5	3.88	688	<10	36	29	5	<20	<20	14	0.50	0.84	2.28	<.01	.37	74	5	<2	1	2	<5	<10	<.01	21	0.48
780534		0.9	199	9	3868	<1	60	57	15.5	<5	62	12	7.25	739	<10	34	36	5	<20	60	6	0.60	0.94	2.45	<.01	.35	77	5	7	5	4	<5	<10	<.01	27	3.12
780535		<.2	37	4	61	<1	23	18	<0.2	<5	20	<5	2.84	405	<10	37	22	5	<20	<20	17	0.54	0.55	1.53	<.01	.39	45	6	3	<1	1	<5	<10	<.01	19	0.44
780536	<5	0.3	50	7	316	<1	26	22	1.0	<5	23	<5	3.64	537	<10	38	35	5	<20	<20	16	0.53	0.62	2.14	<.01	.40	60	6	3	<1	1	<5	<10	<.01	26	0.72
780537		1.0	144	13	49	<1	70	61	<0.2	<5	78	7	8.77	457	<10	31	29	5	<20	<20	9	0.49	0.58	1.99	<.01	.36	57	5	10	1	4	<5	<10	<.01	45	6.01
780538		<.2	29	<2	202	<1	18	15	0.6	<5	19	<5	3.25	737	<10	35	34	5	<20	<20	12	0.49	0.73	3.31	0.02	.37	88	5	<2	<1	1	<5	<10	<.01	14	0.20
780539		0.4	27	5	74	<1	28	25	<0.2	<5	33	6	5.18	778	<10	32	36	4	<20	<20	6	0.42	0.94	3.81	0.01	.32	112	5	4	<1	2	<5	<10	<.01	22	1.62
780540		0.2	38	<2	35	<1	24	20	<0.2	<5	20	<5	3.53	533	<10	37	30	6	<20	<20	14	0.55	0.78	2.60	0.01	.40	78	6	<2	<1	2	<5	<10	<.01	19	0.26
780541		0.5	26	15	42	<1	36	29	<0.2	<5	21	<5	5.78	571	<10	31	28	5	<20	<20	11	0.43	0.98	2.30	<.01	.32	68	5	4	1	2	<5	<10	<.01	22	1.12
780542		0.2	68	3	29	1	29	19	<0.2	<5	24	<5	3.68	545	<10	38	27	6	<20	<20	16	0.56	0.76	2.60	0.01	.40	72	6	3	1	2	<5	<10	<.01	21	0.22
780543		0.3	18	<2	37	<1	28	21	<0.2	<5	25	<5	3.89	743	<10	31	32	5	<20	<20	10	0.45	0.72	3.40	0.02	.33	86	5	3	<1	2	<5	<10	<.01	17	0.56
780544		<.2	36	<2	73	1	20	12	<0.2	<5	15	<5	3.15	620	<10	36	37	6	<20	<20	14	0.55	0.63	3.05	0.02	.38	75	5	3	<1	2	<5	<10	<.01	14	0.06
780545		0.3	26	5	48	<1	26	20	<0.2	<5	15	<5	3.81	602	<10	32	38	5	<20	<20	9	0.47	0.75	3.14	0.01	.34	84	6	<2	<1	1	<5	<10	<.01	22	0.99
780546		0.4	61	<2	39	<1	27	17	<0.2	<5	16	<5	3.65	707	<10	36	38	5	<20	<20	10	0.50	0.81	3.50	0.01	.36	90	6	2	1	1	<5	<10	<.01	19	0.41
780547		0.2	30	<2	28	<1	29	21	<0.2	<5	22	<5	3.87	638	<10	32	29	5	<20	<20	11	0.49	0.78	3.45	0.01	.35	87	5	2	<1	1	<5	<10	<.01	18	0.62
780548		<.2	37	<2	27	<1	28	18	<0.2	<5	16	<5	3.60	590	<10	33	35	6	<20	<20	12	0.52	0.79	3.49	0.01	.38	87	5	<2	<1	<1	<5	<10	<.01	15	0.20
780549	<5	<.2	36	<2	26	<1	26	18	<0.2	<5	11	<5	3.43	548	<10	32	34	6	<20	<20	11	0.49	0.73	3.41	0.02	.34	80	5	2	<1	1	<5	<10	<.01	14	0.26
780550		<.2	36	<2	35	<1	22	12	<0.2	<5	6	<5	3.18	509	<10	34	36	6	<20	<20	11	0.50	0.68	3.16	0.02	.35	75	5	2	<1	1	<5	<10	<.01	13	0.10
780551		0.2	32	<2	70	<1	25	18	0.2	<5	16	<5	3.58	540	<10	31	36	6	<20	<20	7	0.43	0.74	3.26	0.02	.31	89	5	2	<1	1	<5	<10	<.01	14	0.47
780552		<.2	22	<2	36	<1	28	15	<0.2	<5	22	<5	3.75	536	<10	35	36	7	<20	<20	8	0.55	0.82	3.39	0.03	.36	99	5	3	2	1	<5	<10	<.01	16	0.48
780553		<.2	52	<2	54	<1	32	18	<0.2	<5	10	<5	3.86	451	<10	31	40	6	<20	<20	8	0.59	0.76	2.92	0.02	.33	72	5	3	5	1	<5	<10	<.01	15	0.49
780554		0.5	32	4	38	<1	39	29	<0.2	<5	8	<5	4.69	323	<10	37	41	7	<20	<20	6	0.67	0.61	1.88	0.02	.39	48	6	4	3	3	<5	<10	<.01	29	1.81
780555		0.2	36	<2	34	<1	29	17	<0.2	<5	7	<5	3.65	425	<10	34	35	6	<20	<20	9	0.58	0.69	2.41	0.02	.36	56	6	3	3	1	<5	<10	<.01	18	0.68
780556		0.5	43	6	31	<1	38	30	<0.2	<5	17	<5	5.10	484	<10	34	43	6	<20	<20	5	0.59	0.75	2.62	0.02	.34	62	6	3	3	3	<5	<10	<.01	26	1.85
780557		<.2	50	<2	50	<1	34	17	<0.2	<5	11	<5	3.68	498	<10	30	35	7	<20	<20	10	0.61	0.73	2.61	0.03	.29	62	5	3	6	2	<5	<10	<.01	13	0.12
780558	<5	<.2	26	<2	33	<1	30	19	<0.2	<5	14	<5	3.66	468	<10	33	42	7	<20	<20	9	0.68	0.76	2.57	0.02	.35	65	6	2	6	2	<5	<10	<.01	16	0.22
780559		0.2	29	<2	31	<1	28	16	<0.2	<5	8	<5	3.37	539	<10	30	37	6	<20	<20	9	0.62	0.78	2.93	0.01	.34	72	6	2	5	1	<5	<10	<.01	15	0.28
780560		0.2	27	<2	47	<1	28	22	<0.2	<5	14	<5	3.19	392	<10	31	30	7	<20	<20	12	0.72	0.72	2.18	0.01	.35	54	5	3	7	2	<5	<10	<.01	17	0.36
780561	<5	<.2	30	<2	35	1	27	18	<0.2	<5	15	<5	2.97	500	<10	30	34	7	<20	<20	12	0.72	0.79	2.53	0.01	.34	62	5	<2	8	2	<5	<10	<.01	15	0.28

CHIMITEC
BONDAR CLEGG

ISO 9002 REGISTERED
VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
REPORT: T01-57069.0 (COMPLETE)

PROJECT: MID
DATE RECEIVED: 12-MAR-01 DATE PRINTED: 19-MAR-01 PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
780562			0.3	36	<2	87	<1	35	23	<0.2	<5	13	<5	4.02	460	<10	33	40	12	<20	<20	13	1.35	0.88	1.94	0.01	.37	46	5	3	28	2	<5	<10	<.01	16	0.40
780563			<.2	31	<2	77	<1	38	17	<0.2	<5	9	<5	3.72	586	<10	30	36	9	<20	<20	13	1.12	0.94	2.31	0.01	.33	57	5	3	23	2	<5	<10	<.01	14	0.28
780564			0.4	30	<2	58	<1	39	24	<0.2	<5	9	<5	4.14	596	<10	33	34	8	<20	<20	8	0.95	0.97	2.58	0.01	.36	68	5	3	15	2	<5	<10	<.01	18	1.25
780565		6	0.5	47	8	89	<1	53	28	<0.2	<5	11	<5	5.75	818	<10	29	41	10	<20	<20	7	1.10	1.40	3.64	0.01	.30	99	6	3	26	3	<5	<10	<.01	17	1.13
780566			0.2	22	6	62	<1	31	15	<0.2	<5	6	<5	3.36	370	<10	30	27	9	<20	<20	10	1.06	0.89	0.61	<.01	.28	51	5	<2	22	3	<5	<10	<.01	14	0.40
780567			0.3	26	4	43	<1	27	14	<0.2	<5	5	<5	2.42	271	<10	35	27	7	<20	<20	18	0.92	0.57	1.20	<.01	.36	32	6	<2	14	1	<5	<10	<.01	21	0.72
780568			<.2	28	<2	62	<1	36	14	<0.2	<5	5	<5	3.03	483	<10	37	34	9	<20	<20	13	1.06	0.82	2.04	<.01	.40	54	6	2	17	1	<5	<10	<.01	15	0.32
780569			0.9	57	5	150	<1	58	28	0.4	<5	7	<5	5.49	587	<10	30	45	11	<20	<20	9	1.38	1.17	2.52	<.01	.30	66	6	5	34	3	<5	<10	<.01	19	1.09
780570			0.3	33	7	58	<1	39	24	<0.2	<5	12	<5	2.45	137	<10	39	25	8	<20	<20	20	1.11	0.46	0.63	<.01	.38	15	6	3	18	2	<5	<10	<.01	25	0.82
780571		<5	0.6	36	4	182	<1	58	24	<0.2	<5	<5	<5	5.65	469	<10	32	30	15	<20	<20	14	1.94	1.46	1.94	<.01	.31	53	7	5	55	3	<5	<10	<.01	28	0.80
780572			<.2	28	<2	55	<1	49	14	<0.2	<5	6	<5	3.20	543	<10	35	35	8	<20	<20	13	0.85	0.93	2.72	0.01	.35	66	7	<2	12	2	<5	<10	<.01	18	0.13
780573			0.7	26	2	35	<1	42	21	<0.2	<5	8	<5	3.93	760	<10	30	32	6	<20	<20	7	0.54	0.83	4.12	0.02	.32	76	6	2	4	1	<5	<10	<.01	16	1.05
780574			0.3	53	<2	83	1	52	21	<0.2	<5	9	<5	3.72	580	<10	33	40	10	<20	<20	9	1.01	0.92	4.13	0.02	.33	73	6	3	20	2	<5	<10	<.01	15	0.30
780575			0.4	75	5	82	<1	49	24	<0.2	<5	12	<5	3.55	669	<10	30	39	8	<20	<20	8	0.94	0.90	4.35	0.02	.29	81	7	3	20	2	<5	<10	<.01	16	0.43
780576			0.4	42	4	77	<1	46	22	<0.2	<5	13	<5	3.15	430	<10	38	34	9	<20	<20	12	1.05	0.85	2.45	0.02	.37	54	6	2	18	2	<5	<10	<.01	20	0.41
780577			0.4	20	7	72	<1	47	24	<0.2	<5	9	<5	3.65	518	<10	33	45	9	<20	<20	9	0.90	0.90	3.15	0.02	.30	68	6	3	16	2	<5	<10	<.01	17	0.68
780578		7	0.5	34	6	60	<1	40	22	<0.2	<5	12	<5	3.32	602	<10	36	34	8	<20	<20	9	0.80	0.75	3.72	0.02	.34	81	6	3	12	2	<5	<10	<.01	18	0.57
780579			0.3	55	11	104	<1	40	22	<0.2	<5	13	<5	3.37	693	<10	34	38	8	<20	<20	10	0.88	0.68	4.02	0.02	.31	86	6	3	16	1	<5	<10	<.01	16	0.44
780580			0.5	30	7	111	<1	47	23	<0.2	<5	14	<5	3.82	721	<10	38	37	9	<20	<20	12	0.97	0.90	3.27	0.02	.35	78	6	3	16	2	<5	<10	<.01	19	0.29
780581			0.3	35	9	118	1	35	19	0.2	<5	16	<5	2.89	591	<10	39	37	8	<20	<20	14	0.85	0.77	2.31	0.01	.37	66	6	2	11	1	<5	<10	<.01	19	0.22
780582		<5	<.2	12	3	23	1	3	3	<0.2	<5	<5	<5	1.92	857	<10	40	72	3	<20	<20	14	0.45	0.58	2.24	0.03	.29	60	6	<2	2	<1	<5	<10	<.01	21	0.03
780583			0.4	194	<2	13	<1	2	4	<0.2	<5	<5	<5	1.84	668	<10	67	56	2	<20	<20	15	0.44	0.45	1.87	0.03	.33	70	5	<2	1	<1	<5	<10	<.01	17	0.08
780584			<.2	10	<2	28	<1	2	3	<0.2	<5	<5	<5	1.79	521	<10	64	61	3	<20	<20	15	0.44	0.35	1.97	0.04	.35	66	4	<2	<1	<1	<5	<10	<.01	16	0.02
780585			0.7	71	2	66	<1	2	4	<0.2	<5	<5	<5	1.99	579	<10	47	65	3	<20	<20	16	0.46	0.45	1.99	0.02	.32	56	4	<2	<1	1	<5	<10	<.01	22	0.19
780586			<.2	13	<2	30	1	1	3	<0.2	<5	<5	<5	1.77	559	<10	57	51	2	<20	<20	17	0.55	0.43	2.16	0.01	.40	62	5	<2	<1	<1	<5	<10	<.01	20	0.07

CANADIAN ARROW
MR. R. SKERIES
P.O. BOX 1756
TIMMINS, ONTARIO
P4N 7W9

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

REPORT: T01-57118.0 (COMPLETE)

REFERENCE:

CLIENT: CANADIAN ARROW

PROJECT: M

SUBMITTED BY: R. SKERIES

DATE RECEIVED: 28-MAY-01 DATE PRINTED: 6-JUI-01

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010530	1 Au30	Gold	5	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010530	2 Ag	Ag - IC01	5	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	3 Cu	Cu - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	4 Pb	Pb - IC01	5	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	5 Zn	Zn - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	6 Mo	Mo - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	7 Ni	Ni - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	8 Co	Co - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	9 Cd	Cd - IC01	5	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	10 Bi	Bi - IC01	5	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	11 As	As - IC01	5	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	12 Sb	Sb - IC01	5	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	13 Fe	Fe - IC01	5	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	14 Mn	Mn - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	15 Te	Te - IC01	5	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	16 Ba	Ba - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	17 Cr	Cr - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	18 V	V - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	19 Sn	Sn - IC01	5	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	20 W	W - IC01	5	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	21 La	La - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	22 Al	Al - IC01	5	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	23 Mg	Mg - IC01	5	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	24 Ca	Ca - IC01	5	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	25 Na	Na - IC01	5	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	26 K	K - IC01	5	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	27 Sr	Sr - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	28 Y	Y - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	29 Ga	Ga - IC01	5	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	30 Li	Li - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	31 Nb	Nb - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	32 Sc	Sc - IC01	5	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	33 Ta	Ta - IC01	5	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	34 Ti	Ti - IC01	5	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	35 Zr	Zr - IC01	5	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010530	36 S	S - IC01	5	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	5	-150	5	CRUSH, SPLIT	5
				PULVERIZATION	5

REPORT COPIES TO: MR. R. SKERIES

INVOICE TO: MR. R. SKERIES

CHIMITEC
BONDAR CLEGG

VANCOUVER BRANCH

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: CANADIAN ARROW
PROJECT: M
REPORT: T01-57118.0 (COMPLETE)
DATE RECEIVED: 28-MAY-01 DATE PRINTED: 6-JUI-01 PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
780587	6	<.2	34	3	9	4	50	31	<.2	<5	12	<5	2.16	2	<10	25	43	7	<20	<20	8	.56	.02	0.04	.03	.31	4	5	<2	<1	<1	<5	<10	<.01	42	2.12
780588	<5	<.2	58	<2	12	3	33	12	<.2	<5	7	<5	1.68	94	<10	15	329	6	<20	<20	3	.33	.06	0.04	.03	.18	4	1	<2	2	<1	<5	<10	<.01	13	0.89
780589	<5	<.2	80	<2	79	2	49	17	0.4	<5	<5	<5	8.56	613	<10	14	35	11	<20	<20	2	.47	.97	0.13	.04	.22	2	3	<2	3	<1	5	<10	<.01	12	0.24
780590	7	0.4	41	5	29	5	65	33	0.4	<5	24	<5	4.07	252	<10	29	95	9	<20	<20	6	.66	.25	0.69	.03	.35	16	4	<2	3	<1	<5	<10	<.01	26	2.84
780591	<5	<.2	30	<2	23	2	7	12	<.2	<5	<5	<5	2.34	620	<10	32	52	4	<20	<20	17	.36	.58	3.67	.01	.27	59	5	<2	<1	<1	<5	<10	<.01	20	0.10

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

Northing: 350
Easting: 700
Elevation: 0

Collar Azi.: .0
Collar Dip: -45.0

Hole length: 251.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex

Comments: Drilled north under Patricia Lake
Logged by: P. Caldbick,'2001
Date(s) logged: January 30, 2001
Purpose: Test Quantec RSIP anomaly
Core storage: Moneta core facility, Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
25	2.3	-45.4
50	358.9	-45.4
101	358.2	-44.5
152	359.1	-44.5
200	.4	-45.0
250	359.1	-45.0

Drill Hole: MID01-01

Project: Halliday Dome
Property: Midlothian\Halliday
Claim: Lease 103654 (CLM 256)
Northing: 3+50 N
Easting: L 7+00 E
GPS Northing: 5304439 (NAD27)
GPS Easting: 495107 (NAD27)
Date Started: January 26, 2001
Date completed: January,'2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 779951-780059
Lab A report: T01-57046.0/49.0
Lab B:
Sample series B:
Lab B report:

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	2.00	OVERBURDEN CASING to 2.0 metre.									
2.00	6.20	RHYOLITE Dark green to dark grey, massive, fine grained, weakly foliated with foliation at 35 degrees to core axis, unit FINELY speckled with carbonatized fractures parallel to foliation. Pervasive carbonatization and chloritic alteration, localized fractures at 2.6 metre with fractures STAINED with limonite, approximately 1 to 2% pyrite OCCURRING as stringers parallel to foliation, sharp foot wall contact at 60 degrees to core axis.									
6.20	9.90	RHYOLITE TUFF Light green, fine grained, weakly foliated with foliation at 60 degrees to core axis, strong pervasive sericitic alteration, numerous fractures infilled with chlorite, unit mottled with carbonatized feldspar phenocrysts, scattered localized quartz veins notably at 6.9 metre, 5 cm quartz vein at 60 degrees to core axis, rimmmed with finely disseminated pyrite, approximately 2 to 3%. At 7.6 metre, 4 cm barren quartz vein at 85 degrees to core axis. At 8.3 metre, 10 cm quartz vein rimmed with albite, barren. 8.70 To 9.2 metre extremely fractured zone with ankeritic alteration, fractures parallel to foliation at 60 degrees to core axis. Localized patchy disseminations of pyrite, approximately 1 to 2% throughout unit 6.50 7.50 Localized 5 cm quartz vein rimmed with approximately 2 to 3% finely disseminated pyrite.	779951	6.50	7.50	1.00		<.2	6	8	18

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		7.50 8.50 2 localized quartz veins at 85 and 75 degrees to core axis, barren.	779952	7.50	8.50	1.00		<.2	8	19	33
9.90	14.40	RHYOLITE Dark green to dark grey, massive, fine grained, weakly foliated with foliation at 60 degrees to core axis, scattered quartz veins at 60 degrees to core axis parallel to foliation. At 11.9 3 cm quartz stringer at 60 degrees to core axis rimmed with approximately 2 to 3% disseminated pyrite, approximately 0.5 to 1% sphalerite at vein contact. Sharp foot wall contact at 65 degrees to core axis. 11.80 12.10 Localized 3 cm quartz vein at 65 degrees to core axis rimmed with approximately 2 to 3% disseminated pyrite and 0.5 to 1% sphalerite.	779953	11.80	12.10	.30		<.2	6	14	32
14.40	29.40	TUFF BRECCIA Dark green, fine grained to medium grained, weakly foliated with foliation at 70 degrees to core axis, localized breccia from 14.4 to 17.0 with angular to subangular sericitized cherty clasts, matrix chloritic, slightly sericitic and slightly tuffaceous with scattered disseminations of pyrite, approximately 3 to 4% finely disseminated pyrite throughout. From 17.0 to 23.6 unit becomes gradationally more tuffaceous with rare to scattered clasts. From 23.6 to 29.4 unit becomes strongly brecciated with millrock texture and angular to subrounded sericitized cherty clasts up to 5 cm in length. Unit becomes moderately foliated with foliation at 50 degrees to core axis. 15.50 To 16.5 brecciated millrock texture with patchy disseminations of pyrite, approximately 5 to 6%. At 2.0 4 cm barren quartz vein rimmed with chlorite and approximately 1 to 2% disseminated pyrite. At 23.7 10 cm quartz - carbonate vein with fractures infilled with chlorite and sericite at 65 degrees to core axis, trace pyrite. Gradational foot wall contact perpendicular to core axis.										
29.40	62.00	RHYOLITE TUFF Dark green to dark grey, moderately foliated with foliation at 60 degrees to core axis, weakly sericitic with chloritic phenocrysts aligned parallel to foliation, tuffaceous texture with fine grained to medium grained texture and speckled with feldspar phenocrysts, scattered localized quartz veins throughout. At 32.3 4 cm quartz vein at 80 degrees to core axis with patches of galena, honey coloured sphalerite and possible silver, approximately 3 to 4%. From approximately 39.0 to 62.0 unit becomes more massive and fine grained and speckled with minute up to 2 mm carbonatized feldspar phenocrysts throughout. Unit further possesses numerous quartz - carbonate veins, quartz infilled fractures parallel and subparallel to core axis, scattered localized bleached sericitized sections notably from 53.4 to 54.0. Unit possesses rare diffuse scattered angular to subangular sericitized cherty clasts throughout. 31.50 32.20 Bracket sample, trace pyrite. 32.20 32.50 4 cm quartz vein at 80 degrees to core axis with approximately 3 to 4% patchy sphalerite, galena and possible silver. 32.50 33.40 Bracket sample, trace pyrite. 53.40 54.00 Bleached sericitized zone with approximately 3 to 4% patchy finely	779954	31.50	32.20	.70		.5	35	10	55
			779955	32.20	32.50	.30		1.3	34	1203	1125
			779956	32.50	33.40	.90		.2	33	9	58
			779957	53.40	54.00	.60		2.7	55	416	445

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		disseminated pyrite.									
62.00	66.80	LAPILLI TUFF Dark green to dark grey, medium grained, unit mottled with subangular to subrounded sericitized cherty clasts up to 10 mm. Unit moderately foliated with foliation at 50 degrees to core axis, matrix chloritic and slightly sericitic. Scattered quartz - carbonate veins and stringers at 20 to 30 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout, foot wall contact at 40 degrees to core axis.									
66.80	76.80	UPPER MINERALIZED ZONE Light green to light grey, medium grained, tuffaceous, sericitized, siliceous, locally brecciated and fragmented with localized cherty sericitized subangular to subrounded clasts up to 10 mm. Abundant finely disseminated pyrite throughout approximately 7 to 10% occurring as patchy disseminations throughout and occupying fractures, unit moderately foliated with foliation at 50 degrees to core axis. Rare quartz veins notably at 88.1, 3 cm quartz vein at 55 degrees to core axis rimmed with 2 to 3% finely disseminated pyrite. At 90.7 3 cm barren quartz vein at 60 degrees to core axis rimmed with drusy albite. At 76.7 10 cm quartz - carbonate vein at 70 degrees to core axis with approximately 6 to 7% patchy sphalerite and galena, quartz vein localized at foot wall contact.									
		66.80 67.40 Localized 3 cm quartz vein at 67.1 rimmed with approximately 4 to 5% finely disseminated and subhedral pyrite.	779958	66.80	67.40	.60	42	2.9	90	1053	2323
		67.40 68.00 Brecciated, tuffaceous, approximately 3 to 4% finely disseminated and subhedral pyrite.	779959	67.40	68.00	.60		1.1	42	250	2679
		68.00 69.00 Sericitized, tuffaceous, approximately 2 to 3% localized patchy disseminations of pyrite.	779960	68.00	69.00	1.00		<.2	47	101	528
		69.00 70.00 Sericitized, tuffaceous, approximately 3 to 4% patchy disseminations of pyrite throughout.	779961	69.00	70.00	1.00		1.6	40	286	873
		70.00 71.00 Sericitized, siliceous, tuffaceous, approximately 7 to 8% patchy disseminations of pyrite.	779962	70.00	71.00	1.00		2.4	37	202	262
		71.00 72.00 Sericitized, siliceous, tuffaceous, locally brecciated and fragmented with approximately 3 to 4% finely disseminated pyrite.	779963	71.00	72.00	1.00		.8	47	74	273
		72.00 73.00 Sericitized, siliceous, tuffaceous, locally brecciated, 3 to 4% finely disseminated and patchy disseminations of pyrite.	779964	72.00	73.00	1.00		2.0	41	456	958
		73.00 74.00 Same as above.	779965	73.00	74.00	1.00		1.8	25	40	116
		74.00 75.00 Sericitized, siliceous, tuffaceous, approximately 6 to 7% patchy disseminations of pyrite throughout.	779966	74.00	75.00	1.00		1.6	13	21	28
		75.00 76.00 Sericitized, siliceous, tuffaceous, approximately 3 to 4% finely disseminated pyrite.	779967	75.00	76.00	1.00		1.6	13	41	50
		76.00 76.30 Sericitized, siliceous, approximately 6 to 7% finely disseminated and patchy disseminations of pyrite.	779968	76.00	76.30	.30		4.7	29	136	368
		76.30 76.70 Bracket sample, siliceous, approximately 12 to 15% finely disseminated and patchy disseminations of pyrite.	779969	76.30	76.70	.40		18.9	3791	639	7046
		76.70 76.80 10 cm quartz vein at 70 degrees to core axis with approximately 5 to 6% patchy sphalerite and galena.	779970	76.70	76.80	.10		6.7	59	4531	3603

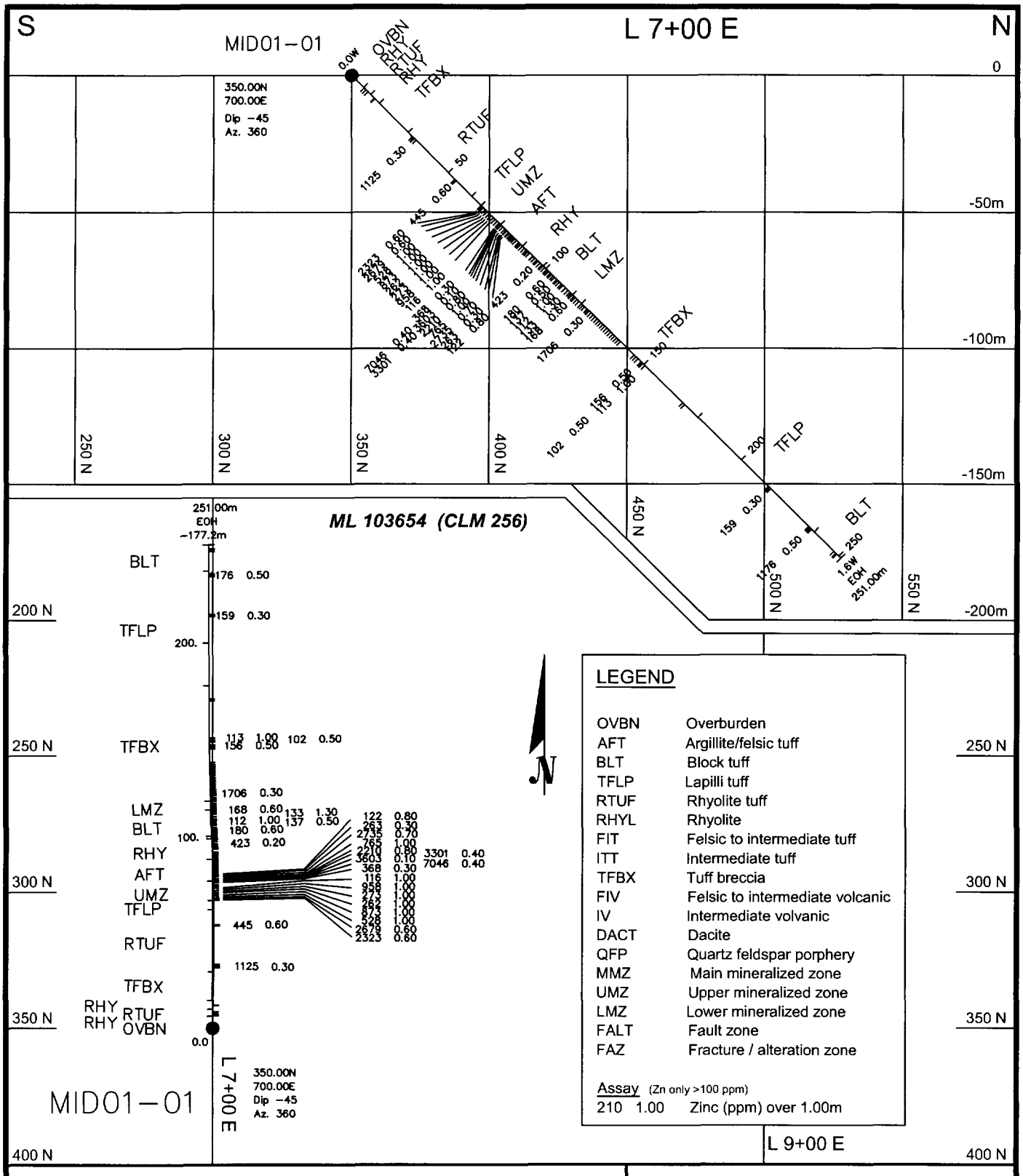
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
76.80	88.00	ARGILLITE/FELSIC TUFF Yellow-green, fine grained to medium grained, intercalated sericitized tuffaceous rhyolite and graphitic interflow. Foliation of tuffaceous sections approximately 60 degrees to core axis, graphitic horizons generally brecciated with ripped-up angular to subrounded sericitized tuffaceous clasts. Unit possesses combination of subrounded to rounded blocks and bombs and intercalated sericitized tuffaceous horizons. Finely disseminated pyrite occurs within tuffaceous sections and occurs as patchy disseminations and subhedral crystals within graphitic interflow sections From 76.8 to 80.0 matrix more chloritic and silicified, from 80.0 on matrix becomes increasingly graphitic, approximately 4 to 5% pyrite.									
		76.80 77.20 Bracket sample, sericitic, locally silicified, slightly graphitic, approximately 3 to 4% finely disseminated pyrite.	779971	76.80	77.20	.40		4.3	222	1226	3301
		77.20 78.00 Sericitic, locally silicified, slightly graphitic, approximately 3 to 4% patchy disseminations of pyrite.	779972	77.20	78.00	.80		2.6	69	842	2210
		78.00 79.00 Sericitic, silicified, chloritic, brecciated, fragmented, approximately 3 to 4% patchy disseminations of pyrite.	779973	78.00	79.00	1.00		2.3	32	512	765
		79.00 79.70 Silicified, sericitic, fragmented, approximately 4 to 5% patchy disseminations of pyrite.	779974	79.00	79.70	.70		1.9	32	459	2735
		79.70 80.00 Localized 2 cm quartz vein at 40 degrees to core axis within brecciated graphitic interflow, approximately 6 to 7% finely disseminated pyrite.	779975	79.70	80.00	.30		.6	46	107	263
		80.00 80.80 12 to 15% patchy disseminations and subhedral pyrite crystals within brecciated graphitic interflow.	779976	80.00	80.80	.80		.3	33	43	122
		80.80 81.20 15 to 20% semi-massive pyrite within brecciated graphitic interflow.	779977	80.80	81.20	.40		1.1	51	51	69
		81.20 82.00 Graphitic interflow with sericitized rhyolitic clasts, 4 to 5% finely disseminated pyrite within clasts.	779978	81.20	82.00	.80		.6	47	20	55
		82.00 82.70 0.5 metre tuffaceous rhyolitic horizon with approximately 2 to 3% finely disseminated pyrite.	779979	82.00	82.70	.70		.2	49	8	16
		82.70 83.00 10 to 12% semi-massive pyrite within brecciated graphitic interflow.	779980	82.70	83.00	.30		.3	62	9	23
		83.00 83.40 1 to 2% finely disseminated pyrite within tuffaceous rhyolitic section.	779981	83.00	83.40	.40		<.2	24	4	10
		83.40 84.10 4 to 5% patchy disseminations and subhedral pyrite within brecciated graphitic interflow with sericitized clasts.	779982	83.40	84.10	.70		.3	36	9	43
		84.10 85.00 2 to 3% finely disseminated and patchy disseminations of pyrite within sericitized tuffaceous rhyolite.	779983	84.10	85.00	.90		.4	85	2	15
		85.00 86.00 Same as above.	779984	85.00	86.00	1.00		.3	57	5	17
		86.00 86.50 Same as above.	779985	86.00	86.50	.50	<5	<.2	22	5	8
		86.50 87.10 6 to 7% patchy aggregates of pyrite within graphitic interflow, finely disseminated pyrite within clasts.	779986	86.50	87.10	.60		2.2	37	8	24
		87.10 88.00 3 to 4% finely disseminated and patchy pyrite within intercalated graphitic interflow and sericitized tuff.	779987	87.10	88.00	.90		.4	39	9	37
88.00	98.60	RHYOLITE Massive, fine grained, weakly foliated, sericitized mottled with carbonatized feldspar phenocrysts, approximately 2 to 3% finely disseminated and patchy disseminations and aggregates of pyrite throughout unit. Localized brecciated silicified and chloritic rhyolitic hyaloclastite with localized aggregates of subhedral pyrite, weakly developed foliation at 70 degrees to core axis.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		88.00 89.00 3 to 4% patchy disseminations of pyrite within sericitized tuff.	779988	88.00	89.00	1.00		<.2	55	5	21
		89.00 90.00 Same as above with localized graphitic interflow.	779989	89.00	90.00	1.00		.3	48	7	28
		90.00 90.40 7 to 8% disseminated stringers and patchy disseminations of pyrite within graphitic interflow.	779990	90.00	90.40	.40	<5	.6	44	12	24
		90.40 91.00 2 to 3% finely disseminated pyrite within sericitized tuff.	779991	90.40	91.00	.60		<.2	30	4	27
		91.00 91.80 4 to 5% disseminated pyrite within silicified and brecciated graphitic interflow.	779992	91.00	91.80	.80		.3	36	7	19
		91.80 93.30 1 to 2% patchy disseminations of pyrite and finely disseminated pyrite within sericitized tuff.	779993	91.80	93.30	1.50		<.2	41	2	17
		93.30 93.50 18 to 20% semi-massive pyrite within brecciated graphitic interflow.	779994	93.30	93.50	.20		1.5	57	32	61
		93.50 94.40 8 to 10% patchy disseminations of pyrite within sericitized tuff.	779995	93.50	94.40	.90	6	.3	34	8	11
		94.40 95.30 4 to 5% patchy disseminations of pyrite within intercalated sericitized tuff and graphitic interflow.	779996	94.40	95.30	.90		.2	31	5	12
		95.30 95.80 3 to 4% finely disseminated pyrite within sericitized tuff.	779997	95.30	95.80	.50		<.2	34	6	15
		95.80 96.00 10 to 12% disseminated pyrite within silicified and slightly graphitic interflow.	779998	95.80	96.00	.20		1.3	69	78	423
		96.00 97.00 1 to 2% finely disseminated pyrite within sericitized tuff.	779999	96.00	97.00	1.00		<.2	34	7	19
		97.00 98.00 Same as above.	780000	97.00	98.00	1.00		<.2	39	9	26
		98.00 98.60 Same as above with 3 to 4% localized stringer of disseminated pyrite	780001	98.00	98.60	.60	8	.3	39	5	21
98.60	113.60	BLOCK TUFF									
		Similar to ARGILLITE/FELSIC TUFF from 76.8 to 88.0, however matrix less graphitic and predominantly chloritic and silicified.									
		Unit possesses rounded to subrounded yellow-green tuffaceous rhyolitic blocks within dark grey argillaceous matrix.									
		Matrix generally brecciated with strong accumulations of pyrite disseminations and aggregates, approximately 6 to 7% pyrite throughout unit.									
		Unit has agglomeratic appearance.									
		98.60 99.40 6 to 7% patchy disseminations of pyrite within brecciated silicified and argillaceous interflow.	780002	98.60	99.40	.80		1.2	65	34	71
		99.40 100.40 2 to 3% disseminated pyrite within sericitized tuff.	780003	99.40	100.40	1.00	<5	.2	39	14	77
		100.40 101.00 5 to 6 patchy disseminations of pyrite within silicified brecciated zone.	780004	100.40	101.00	.60		.4	40	7	41
		101.00 101.50 8 to 10% patchy disseminations and subhedral pyrite within silicified argillaceous interflow.	780005	101.00	101.50	.50		.5	37	10	46
		101.50 102.30 7 to 8% disseminated and patchy disseminations of pyrite within argillaceous interflow.	780006	101.50	102.30	.80		.4	37	10	47
		102.30 102.90 8 to 10% semi-massive pyrite within argilaceous interflow and patchy disseminations within tuff clasts.	780007	102.30	102.90	.60	7	.7	65	13	180
		102.90 103.70 4 to 5% disseminated and patchy aggregates of pyrite within argillaceous matrix.	780008	102.90	103.70	.80		<.2	23	5	47
		103.70 104.50 7 to 8% disseminated pyrite within argillaceous matrix numerous rounded sericitized tuffaceous clasts.	780009	103.70	104.50	.80	6	.5	45	9	69
		104.50 105.60 4 to 5% patchy disseminations of pyrite within sericitized tuff.	780010	104.50	105.60	1.10		<.2	29	<2	29
		105.60 106.10 8 to 10% segregated bands of pyrite within argillaceous interflow.	780011	105.60	106.10	.50		<.2	42	5	137
		106.10 107.00 6 to 7% disseminated pyrite within intercalated tuff and silicified argillaceous matrix.	780012	106.10	107.00	.90	<5	.3	39	4	92
		107.00 108.00 Same as above.	780013	107.00	108.00	1.00		.2	43	5	112
		108.00 108.70 Same as above.	780014	108.00	108.70	.70		.3	30	5	76
		108.70 110.00 10 to 12% disseminated pyrite within predominantly argillaceous matrix with rounded tuffaceous clasts.	780015	108.70	110.00	1.30		.4	43	7	75

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		110.00 111.30 Same as above with approximately 12 to 15% disseminated pyrite.	780016	110.00	111.30	1.30		.6	45	10	133
		111.30 112.30 Same as above with approximately 10 to 12% disseminated pyrite.	780017	111.30	112.30	1.00		.4	33	6	70
		112.30 113.00 7 to 8% disseminated pyrite within silicified argillaceous matrix.	780018	112.30	113.00	.70		.3	32	3	71
		113.00 113.60 10 to 12% disseminated pyrite within brecciated argillaceous matrix with sericitized tuffaceous clasts.	780019	113.00	113.60	.60		.4	43	8	168
113.60	118.20	LOWER MINERALIZED ZONE Strongly mineralized zone described as tuffaceous ignimbrite, unit possesses tightly packed subangular to subrounded cherty and sericitized tuffaceous clasts within dark grey chloritic, silicified and pyritic matrix. Unit moderately foliated with foliation at 60 degrees to core axis, approximately 10 to 12% finely disseminated pyrite throughout unit, hanging wall contact at 40 degrees to core axis and foot wall contact at 65 degrees to core axis.									
		113.60 114.40 10 to 12% disseminated pyrite within brecciated argillaceous matrix.	780020	113.60	114.40	.80		.4	28	8	59
		114.40 115.00 Same as above.	780021	114.40	115.00	.60		.5	29	9	89
		115.00 116.00 12 to 15% disseminated pyrite, brecciated silicified and argillaceous matrix scattered tuffaceous clasts.	780022	115.00	116.00	1.00		.5	30	6	95
		116.00 117.00 10 to 12% disseminated pyrite within brecciated tuffaceous matrix.	780023	116.00	117.00	1.00	6	.5	29	10	84
		117.00 118.20 Same as above.	780024	117.00	118.20	1.20		.5	31	10	50
118.20	177.80	TUFF BRECCIA Light green to dark green, fine grained to medium grained, sericitized, chloritic, locally silicified, unit comprised of intercalated yellow-green tuffaceous rhyolitic sections and rounded to subrounded cherty and sericitized clasts occurring within dark grey chloritic and silicified brecciated matrix. Within matrix tightly packed subangular to subrounded lapilli size fragments occur within sulphidic-rich brecciated matrix with foliation varying from 45 to 60 degrees to core axis. Intercalated yellow-green tuffaceous horizons speckled with finely disseminated pyrite and rare fuschitic flakes foliation within tuffaceous horizons at 60 degrees to core axis. Overall sulphide content approximately 4 to 5% disseminated pyrite. Localized 5 cm quartz vein at 40 degrees to core axis speckled with sphalerite, galena and approximately 3 to 4% finely disseminated pyrite. From 130.0 onward unit becomes progressively less enriched in sulphide with sporadic disseminations and stringers of disseminated pyrite localized between rounded sericitized clasts. From 143.0 to 164.8 matrix predominantly dark green chloritic, clasts become rarer and more diffuse. Unit less enriched with sulphide, approximately 1 to 2%, possibly indicative of quiet water regime and graded bedding with tops to north. Unit becomes progressively more homogenous and mottled with carbonatized feldspar phenocrysts. From 164.8 to 168.5 unit brecciated with tightly packed subrounded to subangular clasts aligned parallel to foliation, unit possibly indicative of ignimbrite activity. 168.50 To 177.8 unit possesses diffuse sericitized rounded clasts within chloritic matrix, indicative of quiescent subaqueous environment, gradational foot wall contact at 80 degrees to core axis.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
118.20	119.00	Approximately 3 to 4% disseminated pyrite, predominantly intercalated sericitized tuff.	780025	118.20	119.00	.80	<5	<.2	30	3	36
119.00	119.90	Intercalated sericitized tuff and chloritic brecciated matrix, approximately 3 to 4% disseminated pyrite.	780026	119.00	119.90	.90		<.2	32	3	38
119.90	121.00	Tightly packed rounded sericitized clasts within brecciated matrix, approximately 4 to 5% disseminated pyrite.	780027	119.90	121.00	1.10		.6	49	10	96
121.00	121.70	Intercalated sericitized tuff and brecciated chloritic matrix, 3 to 4% patchy disseminations of pyrite.	780028	121.00	121.70	.70		<.2	36	3	56
121.70	122.00	10 cm quartz vein at 40 degrees to core axis speckled with approximately 2 to 3% sphalerite, galena and 3 to 4% finely disseminated pyrite.	780029	121.70	122.00	.30		.3	48	5	1706
122.00	123.00	Tightly packed rounded sericitized tuffaceous clasts within chloritic brecciated matrix, approximately 6 to 7% disseminated pyrite.	780030	122.00	123.00	1.00		.5	41	9	97
123.00	124.00	Same as above.	780031	123.00	124.00	1.00		.4	35	4	60
124.00	125.00	Same as above.	780032	124.00	125.00	1.00	5	.4	38	7	57
125.00	126.00	Predominantly chloritic silicified brecciated sulphide-rich matrix with 5 to 6% disseminated pyrite.	780033	125.00	126.00	1.00		.5	35	6	68
126.00	127.00	Rounded tuffaceous clasts and intercalated tuff within chloritic brecciated matrix, approximately 3 to 4% disseminated pyrite throughout.	780034	126.00	127.00	1.00		.4	39	6	56
127.00	128.00	Same as above.	780035	127.00	128.00	1.00		.4	33	7	73
128.00	129.00	Predominantly brecciated chloritic matrix with approximately 4 to 5% disseminated pyrite throughout.	780036	128.00	129.00	1.00		.4	32	6	84
129.00	130.00	Tightly packed rounded sericitized tuffaceous clasts within brecciated matrix, approximately 5 to 6% disseminated pyrite within matrix.	780037	129.00	130.00	1.00	8	.4	35	5	96
130.00	131.00	Intercalated sericitized tuff and dark grey chloritic brecciated matrix, approximately 3 to 4% disseminated pyrite.	780038	130.00	131.00	1.00		.3	37	6	61
131.00	132.00	Tightly packed rounded clasts within brecciated matrix, approximately 3 to 4% localized disseminations of pyrite between clasts.	780039	131.00	132.00	1.00		.4	49	4	83
132.00	133.00	Same as above.	780040	132.00	133.00	1.00		.3	36	6	73
133.00	134.00	Predominantly tuffaceous horizons within brecciated matrix, approximately 3 to 4% disseminated pyrite.	780041	133.00	134.00	1.00		<.2	37	6	52
134.00	135.00	Tightly packed rounded clasts within brecciated matrix, localized graphitic sections, 3 to 4% disseminated pyrite.	780042	134.00	135.00	1.00		.2	32	5	43
135.00	136.00	3 to 4% disseminated pyrite localized between rounded sericitized tuffaceous clasts.	780043	135.00	136.00	1.00		.4	34	6	66
136.00	137.00	Predominantly dark green chloritic brecciated matrix, 4 to 5% disseminated pyrite.	780044	136.00	137.00	1.00		.6	36	7	50
137.00	138.00	Same as above.	780045	137.00	138.00	1.00		.5	34	6	55
145.00	146.00	Tightly packed rounded sericitized clasts within chloritic brecciated matrix, 1 to 2% disseminated pyrite.	780046	145.00	146.00	1.00		.5	37	7	68
146.00	147.00	Same as above with 2 to 3% disseminated pyrite throughout.	780047	146.00	147.00	1.00		.6	33	8	65
148.50	149.00	4 to 5% disseminated and patchy aggregates of pyrite within brecciated matrix between clasts.	780048	148.50	149.00	.50		.8	77	7	156
149.00	149.50	Same as above with 2 to 3% disseminated pyrite within brecciated matrix.	780049	149.00	149.50	.50		.4	34	6	102
149.50	150.50	Same as above.	780050	149.50	150.50	1.00		.4	29	5	113
170.00	171.00	4 to 5% patchy disseminations of pyrite occurring between clasts	780051	170.00	171.00	1.00		1.8	33	10	18

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		within brecciated chloritic matrix.									
177.80	237.40	LAPILLI TUFF									
		Olive green, massive, fairly homogenous, mottled with carbonatized feldspar phenocrysts, weakly developed foliation at 50 degrees to core axis.									
		Rare to infrequent diffuse rounded sericitized clasts and blocks, lapilli possibly scoriaceous or pumiceus due to rounded appearance.									
		From 199.0 to 200.0 unit possesses tightly packed block sized fragments within dark grey chloritic matrix.									
		From 206.7 to 209.0 unit displays same characteristics with tightly packed block sized fragments possibly indicative of intermittent explosive activity or ignimbrites.									
		Unit possesses trace to negligble amounts of sulphide throughout.									
		At 214.3 singular milky white 2 cm quartz vein at 20 degrees to core axis with approximately 0.5 to 1% patchy sphalerite.									
		At 235.2 5 cm quartz vein perpendicular to core axis with approximately 1 to 2% patchy sphalerite.									
		213.80 214.20 Bracket sample.	780052	213.80	214.20	.40		<.2	29	2	11
		214.20 214.50 2 cm quartz vein at 20 degrees to core axis, with approximately 1 to 2% patchy sphalerite.	780053	214.20	214.50	.30		.6	22	5	159
		214.50 215.00 Bracket sample.	780054	214.50	215.00	.50		.4	28	<2	13
		234.50 235.00 Bracket sample.	780055	234.50	235.00	.50		.3	39	<2	10
		235.00 235.50 5 cm quartz vein perpendicular to core axis with approximately 1 to 2% patchy sphalerite.	780056	235.00	235.50	.50		.3	33	7	1176
		235.50 236.00 Bracket sample.	780057	235.50	236.00	.50		.9	35	4	11
237.40	251.00	BLOCK TUFF									
		Olive green, fine grained to medium grained, sericitized, weakly chloritic, best described as block tuff with tightly packed rounded to subrounded sericitized tuffaceous clasts within silicified chloritic brecciated and lapilli tuff matrix.									
		Weakly developed foliation at 50 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite occurring within tuffaceous clasts and blocks.									
		247.50 248.50 1 to 2% finely disseminated pyrite occurring within sericitized tuffaceous blocks.	780058	247.50	248.50	1.00		1.3	33	12	18
		248.50 249.00 Same as above.	780059	248.50	249.00	.50		1.2	43	5	21
251.00		END OF HOLE									



CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH MID01-01

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Drill Hole: MID01-02

Northing: 75
Easting: 400
Elevation: 0

Collar Azi.: 180.0
Collar Dip: -45.0

Hole length: 131.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex

*** Dip Tests ***

Depth	Azi.	Dip
25	180.0	-45.4
50	179.4	-44.9
101	180.0	-44.5
131	181.9	-44.6

41P14NE2012 2.25718 MIDLOTHIAN

030

Project: Halliday Dome
Property: Midlothian\Halliday
Claim: Lease 103654 (CLM 256)
Northing: 0+75 N
Easting: L 4+00 E
GPS Northing: 5304152 (NAD27)
GPS Easting: 494814 (NAD27)
Date Started: January 28, 2001
Date completed: January, 2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 780060-148
Lab A report: T01-57050.0
Lab B:
Sample series B:
Lab B report:

Comments: Drilled south of Patricia Lake
Logged by: P. Caldbick, 2001
Date(s) logged: February 01, 2001
Purpose: Test southern Quantec RSIP anomaly trend
Core storage: Moneta core facility, Timmins

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	6.00	OVERBURDEN CASING to 6.0 metre.									
6.00	14.30	BLOCK TUFF Light green, fine grained, moderately foliated with foliation at 50 degrees to core axis, strongly pervasive sericitic alteration throughout, localized chloritic alteration occurring within numerous fractures oriented subparallel to foliation. Unit predominantly tuffaceous with localized lapilli sized and rare block sized fragments. Scattered fractures with limonitic weathering indicative of proximity to bedrock Scattered quartz veins rimmed with ankerite notably at 7.1 metre, 7.0 cm white quartz vein at 50 degrees to core axis with 0.5 to 1% finely disseminated pyrite within surrounding hostrock. At 8.5 metre, 2 cm barren quartz vein rimmed with ankerite at 35 degrees to core axis. At 10.2 2 cm quartz vein at 50 degrees to core axis rimmed with approximately 1 to 2% finely disseminated pyrite. Approximately 0.5 to 1% finely disseminated pyrite throughout unit, foot wall contact at 70 degrees to core axis.									
		6.00 7.00 Sericitized, silicified, massive, 0.5 to 1% finely disseminated pyrite	780060	6.00	7.00	1.00		<.2	18	3	39
		7.00 7.40 7 cm quartz vein at 60 degrees to core axis with approximately 0.5 to 1% finely disseminated pyrite throughout wallrock.	780061	7.00	7.40	.40		<.2	13	10	37
		7.40 8.50 Sericitized, silicified, localized 2 cm quartz vein at 60 degrees to core axis rimmed with ankerite, 0.5 to 1% finely disseminated pyrite.	780062	7.40	8.50	1.10		.2	26	18	59

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		8.50 9.50 Eerd, silicified, network of fractures infilled with chlorite, 0.5 to 1% finely disseminated pyrite.	780063	8.50	9.50	1.00		.2	32	10	96
		9.50 10.50 Sericitized, silicified, tuffaceous, approximately 0.5 to 1% finely disseminated pyrite throughout.	780064	9.50	10.50	1.00	10	.9	41	12	70
		10.50 11.50 Same as above.	780065	10.50	11.50	1.00		.9	30	10	41
		11.50 13.00 Same as above.	780066	11.50	13.00	1.50		.4	30	6	41
14.30	18.60	RHYOLITE Dark grey relatively pristine and unaltered, fairly massive, weakly developed foliation at 50 degrees to core axis, silicified chloritic, slightly sericitic. Rare localized diffuse fragments, scattered quartz blebs and stringers, approximately 1 to 2% finely disseminated pyrite throughout unit, sharp foot wall contact at 65 degrees to core axis.									
		18.50 19.00 Silicified, slightly sericitic, approximately 2 to 3% disseminated pyrite within fractures.	780067	18.50	19.00	.50	262	1.3	37	51	131
18.60	21.60	BLOCK TUFF Light grey to light green, fine grained to medium grained, weakly tuffaceous, moderately sericitized and silicified, moderately developed foliation at 60 degrees to core axis. Localized breccia and hyaloclastite with lapilli to block sized fragments oriented parallel to foliation, rare to scattered quartz stringers and blebs parallel to foliation. Approximately 2 to 3% finely disseminated pyrite localized within fractures, diffuse gradational foot wall contact at 65 degrees to core axis.									
		19.00 20.00 Silicified, slightly brecciated, approximately 3 to 4% localized aggregates of disseminated pyrite.	780068	19.00	20.00	1.00	34	.9	24	8	48
		20.00 21.00 Silicified, slightly sericitic and brecciated with approximately 1 to 2% finely disseminated pyrite.	780069	20.00	21.00	1.00		.8	24	10	46
		21.00 21.60 Bleached sericitized alteration zone with approximately 1 to 2% finely disseminated pyrite.	780070	21.00	21.60	.60		.4	18	8	35
21.60	25.20	RHYOLITE Dark grey, massive, homogenous, relatively pristine unaltered unit, weakly developed foliation at 50 degrees to core axis, silicified chloritic and weakly sericitic. Rare quartz - carbonate veins at 40 to 50 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout. Sharp foot wall contact at 60 degrees to core axis.									
25.20	36.90	RHYOLITE TUFF Light grey to light green, fine grained to medium grained, weakly tuffaceous, weakly sericitic, silicified and chloritic. Slightly carbonatized localized bleached sericitized sections with approximately 2 to 3% localized disseminated and subhedral pyrite occurring along fractures. Moderately foliated with foliation at 60 degrees to core axis, scattered low angle quartz vein and quartz stringers at 10 to 30 degrees to core axis. At 26.7 quartz stringer at 20 degrees to core axis crosscut by quartz stringer at 70 degrees to core axis within bleached sericitized alteration zone with approximately 3 to 4% localized finely disseminated and subhedral pyrite.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		At 29.5 barren quartz vein subparallel to core axis.									
		At 34.0 bleached sericitized alteration zone with scattered blebs and disseminated aggregates of approximately 3 to 4% pyrite.									
		Sharp foot wall contact at 80 degrees to core axis.									
		25.20 26.00 3 to 4% disseminated pyrite occurring within fractures within bleached sericitized alteration zone.	780071	25.20	26.00	.80		1.8	37	16	44
		26.00 27.00 Same as above.	780072	26.00	27.00	1.00	60	2.1	36	13	32
		27.00 28.00 2 to 3% disseminated pyrite occurring within fractures within bleached alteration zone.	780073	27.00	28.00	1.00		.4	28	6	63
		28.00 29.00 Massive, tuffaceous, silicified, carbonatized, approximately 0.5 to 1% finely disseminated pyrite.	780074	28.00	29.00	1.00		.4	32	8	50
		29.00 30.00 3 cm quartz vein subparallel to core axis, approximately 1 to 2% finely disseminated pyrite within wallrock.	780075	29.00	30.00	1.00		.7	28	8	56
		30.00 30.50 2 to 3% localized disseminated pyrite rimming quartz blebs.	780076	30.00	30.50	.50		.5	27	2	59
		34.20 34.70 3 to 4% localized disseminations and aggregates of pyrite within brecciated sericitized alteration zone.	780077	34.20	34.70	.50		1.5	29	7	76
		34.70 35.20 Bracket sample, trace pyrite.	780078	34.70	35.20	.50		.8	38	6	65
		35.20 35.80 2 to 3% disseminated pyrite occurring within fractures within sericitized bleached alteration zone.	780079	35.20	35.80	.60		3.4	51	16	66
36.90	40.00	RHYOLITE									
		Light green, massive, homogenous sericitized and silicified unit with weakly developed foliation at 40 degrees to core axis, scattered quartz stringers parallel to foliation at 40 degrees to core axis.									
		Trace sulphide noted, sharp foot wall contact at 80 degrees to core axis.									
		38.00 38.60 Same as above.	780080	38.00	38.60	.60		.8	55	5	40
40.00	50.50	FELSIC TO INTERMEDIATE VOLCANIC									
		Dark grey to dark green, medium grained, fairly homogenous weakly tuffaceous silicified, chloritic and weakly sericitic unit, sericitic alteration occurs as segregated wisps parallel to foliation.									
		Unit weakly foliated with foliation at 60 degrees to core axis.									
		Unit further possesses scattered carbonatized feldspar phenocrysts and rare lapilli aligned parallel to foliation.									
		Scattered quartz stringers throughout at 40 to 60 degrees to core axis, approximately 0.2 to 0.5% finely disseminated pyrite throughout.									
		At 44.4 5 cm quartz vein at 80 degrees to core axis with approximately 1 to 2% localized patchy chalcopyrite, sharp foot wall contact at 50 degrees to core axis.									
		44.00 44.50 5 cm quartz vein at 80 degrees to core axis with approximately 1 to 2% localized patchy chalcopyrite.	780081	44.00	44.50	.50		1.6	54	15	34
		47.00 47.70 3 cm singular quartz vein at perpendicular to core axis with approximately 0.5 to 1% finely disseminated pyrite.	780082	47.00	47.70	.70		.9	23	3	56
50.50	53.30	FELSIC TO INTERMEDIATE TUFF									
		Light grey, fine grained to medium grained, slightly sericitic, silicified, carbonatized tuffaceous rhyo-dacite, moderately foliated with foliation at 60 degrees to core axis.									
		Unit possesses silicified and chloritic phenocrysts aligned parallel to foliation and locally mottled with carbonatized feldspar phenocrysts.									
		Approximately 0.5 to 1% finely disseminated and rare euhedral pyrite crystals.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Scattered quartz veins notably at 5.9 3 cm quartz vein at 40 degrees to core axis with approximately 1 to 2% finely disseminated pyrite within wallrock. Gradational foot wall contact at 80 degrees to core axis.									
		50.50 51.30 Bleached alteration zone at contact with 2 cm quartz vein at 40 to core axis, 1 to 2% finely disseminated pyrite.	780083	50.50	51.30	.80		.3	23	3	47
53.30	57.40	FELSIC TO INTERMEDIATE VOLCANIC									
		Dark green, fine grained to medium grained, massive, homogenous, weakly foliated with foliation at 70 degrees to core axis, predominantly chloritic, silicified, weakly sericitic.									
		Unit relatively unaltered and pristine with epidotized and sericitized microfractures.									
		Trace sulphide noted, gradational foot wall contact at 70 degrees to core axis.									
57.40	61.40	RHYOLITE TUFF									
		Light grey to light green, medium grained, silicified, carbonatized and slightly sericitic tuffaceous transitional zone mottled with carbonatized feldspar phenocrysts, possibly scoriaceous lapilli.									
		Unit moderately foliated with foliation at 60 degrees to core axis, rare quartz stringers notably at 59.5 2 cm quartz stringer at 30 degrees to core axis rimmed with approximately 3 to 4% disseminated and subhedral pyrite.									
		Approximately 1 to 2% disseminated pyrite overall.									
		Sharp foot wall contact at 50 degrees to core axis.									
		59.00 59.50 2 1 cm localized quartz stringers at 80 and 40 degrees to core axis with approximately 3 to 4% disseminated pyrite rimming veins.	780084	59.00	59.50	.50		.4	26	4	99
61.40	80.50	RHYOLITE									
		Light green, fine grained, generally massive with localized tuffaceous sections, strongly sericitized, weakly silicified moderately foliated with foliation at 60 degrees to core axis.									
		Unit defined as alteration zone with intermittent mineralized sections.									
		From 65.0 to 71.0 unit strongly mineralized with disseminated pyritic blebs and disseminated pyrite occurring within fractures.									
		Approximately 3 to 4% disseminated pyrite localized within zone, from 78.5 to 78.3 localized mineralized zone with approximately 12 to 15% semi-massive pyrite									
		Possible Upper Mineralized Zone gradational foot wall contact at 70 degrees to core axis.									
		61.40 62.00 Quartz chlorite stringers subparallel to core axis, 1 to 2% disseminated pyrite within fractures.	780085	61.40	62.00	.60		.4	23	8	72
		62.00 63.00 Approximately 2 to 3% finely disseminated pyrite localized within fractures, sericitized transitional zone.	780086	62.00	63.00	1.00		.4	34	4	59
		63.00 64.00 2 to 3% disseminated pyrite localized within fractures.	780087	63.00	64.00	1.00		.3	30	3	39
		64.00 65.00 Sericitized alteration zone, 0.5 to 1% finely disseminated pyrite.	780088	64.00	65.00	1.00		.2	33	2	30
		65.00 66.00 2 to 3% finely disseminated pyrite localized within fractures, sericitized altered section.	780089	65.00	66.00	1.00		.6	31	3	34
		66.00 67.00 4 to 5% disseminated and segregated patches of pyrite within sericitized section.	780090	66.00	67.00	1.00		.7	31	5	21
		67.00 68.00 3 to 4% patchy disseminations of pyrite throughout altered sericitized section.	780091	67.00	68.00	1.00		.6	35	<2	22
		68.00 69.00 Localized quartz blebs with 6 to 7% disseminated pyrite within surrounding wallrock.	780092	68.00	69.00	1.00	<5	.9	32	5	18

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		69.00 69.60 5 cm quartz vein at 40 degrees to core axis with 2 to 3% disseminated pyrite within wallrock.	780093	69.00	69.60	.60	<5	.7	18	5	23
		69.60 70.30 2 to 3% patchy disseminations of pyrite throughout sericitized section.	780094	69.60	70.30	.70		.2	37	3	21
		70.30 71.00 4 to 5% patchy disseminations of pyrite throughout tuffaceous sericitized section.	780095	70.30	71.00	.70		1.3	40	7	32
		71.00 72.00 1 to 2% finely disseminated pyrite.	780096	71.00	72.00	1.00		.2	30	3	37
		76.50 77.00 7 to 8% patchy disseminations of pyrite throughout sericitized tuffaceous section.	780097	76.50	77.00	.50		1.2	32	7	41
		77.00 78.00 2 to 3% disseminated pyrite localized within chloritic fractures.	780098	77.00	78.00	1.00		.3	31	<2	53
		78.00 79.00 8 to 10% finely disseminated pyrite localized within chloritic brecciated mineralized zone.	780099	78.00	79.00	1.00		.9	30	8	56
		79.00 80.00 6 to 7% finely disseminated pyrite localized within chloritic fractures.	780100	79.00	80.00	1.00		1.2	34	6	54
		80.00 80.50 5 to 6% localized patchy disseminations of pyrite.	780101	80.00	80.50	.50	<5	.9	36	7	24
80.50	93.50	LAPILLI TUFF Light green, medium grained, sericitized, silicified, locally chloritic with chlorite restricted to fractures, unit mottled with carbonatized scoriaceous rounded lapilli,. Unit possesses intercalated massive and tuffaceous sections and is moderately foliated with foliation at 60 degrees to core axis. Scattered quartz stringers throughout no wider than 2 cm and parallel to foliation. Approximately 2 to 3% patchy disseminations of pyrite throughout, sharp foot wall contact at 75 degrees to core axis.									
		80.50 81.50 3 to 4% patchy disseminations and blebs of pyrite within tuffaceous sericitized unit.	780102	80.50	81.50	1.00		.5	31	<2	29
		81.50 82.50 Same as above.	780103	81.50	82.50	1.00		.3	31	3	33
		82.50 83.50 Same as above.	780104	82.50	83.50	1.00		.2	31	4	39
		85.50 86.00 1 to 2% disseminated pyrite localized within chloritic fractures.	780105	85.50	86.00	.50		.5	48	3	22
		86.00 86.50 Same as above.	780106	86.00	86.50	.50		.3	30	<2	48
		86.50 87.50 Same as above with localized patches of chlorite.	780107	86.50	87.50	1.00		<.2	41	3	41
		87.50 88.20 5 cm quartz vein at 40 degrees to core axis with approximately 0.5 to 1% patchy sphalerite.	780108	87.50	88.20	.70		.7	41	8	97
		92.00 92.40 8 cm quartz vein at 60 degrees to core axis with approximately 1 to 2% localized disseminated pyrite.	780109	92.00	92.40	.40		<.2	26	3	42
		92.40 93.60 1 to 2% finely disseminated pyrite within sericitized tuff.	780110	92.40	93.60	1.20	<5	.3	38	3	28
93.50	131.00	RHYOLITE Light green, fine grained, sericitized, silicified altered, weakly foliated unit with foliation at 50 degrees to core axis, unit relatively homogenous with localized brecciated chloritic and silicified rhyolitic hyaloclastite throughout brecciated intermittent sections. Often possess network of chlorite infilled fractures which are often loci for pyritic mineralization. From 93.5 to 95.0 altered mineralized zone possessing approximately 8 to 10% disseminated to semi-massive accumulations of pyrite within brecciated tuffaceous zone. Zone described as Lower Mineralized Zone, approximately 2 to 3% finely disseminated pyrite throughout unit with rare quartz stringers at 60 degrees to									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		core axis.									
		Lower Mineralized Zone hanging wall and foot wall contacts at 80 and 70 degrees to core axis respectively.									
		93.60 94.30 12 to 15% semi-massive pyrite within brecciated silicified chloritic mineralized zone.	780111	93.60	94.30	.70		2.9	30	12	95
		94.30 95.00 10 to 12% disseminated pyrite localized within fractures within mineralized zone.	780112	94.30	95.00	.70		2.8	29	10	128
		95.00 95.50 7 to 8% disseminated and patchy disseminations of semi-massive pyrite.	780113	95.00	95.50	.50	6	1.4	24	8	32
		95.50 96.50 1 to 2% disseminated pyrite localized within chloritic fractures.	780114	95.50	96.50	1.00		.3	35	5	44
		96.50 98.00 2 to 3% disseminated pyrite localized within chloritic fractures and patches.	780115	96.50	98.00	1.50		.8	39	4	46
		98.00 99.50 2 to 3% disseminated pyrite throughout sericitized tuff.	780116	98.00	99.50	1.50		<.2	35	<2	45
		99.50 100.00 3 to 4% disseminated pyrite localized within brecciated chloritic and silicified zone.	780117	99.50	100.00	.50		1.0	31	4	30
		100.00 100.50 3 to 4% disseminated and patchy disseminations of pyrite within chloritic and silicified brecciated zone.	780118	100.00	100.50	.50	<5	1.2	32	8	24
		100.50 101.50 2 to 3% disseminated pyrite localized within chloritic fractures.	780119	100.50	101.50	1.00		<.2	34	3	42
		101.50 102.50 4 to 5% disseminated pyrite localized within brecciated silicified and chloritic zone at 60 degrees to core axis.	780120	101.50	102.50	1.00		1.0	37	4	32
		102.50 103.50 1 to 2% finely disseminated pyrite throughout sericitized tuff.	780121	102.50	103.50	1.00		.3	34	<2	61
		103.50 104.50 1 to 2% disseminated pyrite localized within chloritic fractures.	780122	103.50	104.50	1.00		.2	32	<2	40
		104.50 105.00 2 to 3% disseminated pyrite localized within brecciated silicified and chloritic alteration zone.	780123	104.50	105.00	.50		.9	39	8	29
		105.00 105.50 12 cm quartz vein at 65 degrees to core axis with approximately 1 to 2% disseminated pyrite within wallrock.	780124	105.00	105.50	.50		.4	26	4	50
		105.50 106.50 2 to 3% disseminated and patchy disseminations of pyrite within brecciated chloritic and silicified zone.	780125	105.50	106.50	1.00		1.1	33	7	52
		106.50 107.50 1 to 2% finely disseminated pyrite within chloritic fractures.	780126	106.50	107.50	1.00		.4	37	2	39
		107.50 108.50 Same as above.	780127	107.50	108.50	1.00		.4	31	4	41
		108.50 110.00 Same as above, localized barren 5 cm quartz vein at 40 degrees to core axis.	780128	108.50	110.00	1.50	<5	.5	41	5	34
		110.00 111.50 2 to 3% disseminated pyrite localized within network of chloritic fractures.	780129	110.00	111.50	1.50	<5	.8	36	15	29
		111.50 113.00 Same as above.	780130	111.50	113.00	1.50		1.2	35	5	36
		113.00 114.50 Same as above.	780131	113.00	114.50	1.50		.7	38	5	45
		114.50 115.00 2 to 3% disseminated pyrite localized within brecciated silicified and chloritic alteration zone.	780132	114.50	115.00	.50		.8	38	8	26
		115.00 115.80 2 cm quartz vein parallel to core axis with approximately 1 to 2% patchy sphalerite and galena within stringer.	780133	115.00	115.80	.80		1.3	25	18	278
		115.80 117.00 0.5 to 1% finely disseminated pyrite throughout sericitized tuff.	780134	115.80	117.00	1.20		.6	45	<2	37
		117.00 118.00 Same as above.	780135	117.00	118.00	1.00		.3	40	<2	35
		118.00 119.00 2 to 3% disseminated pyrite localized within chloritic and silicified fractures.	780136	118.00	119.00	1.00	<5	1.0	30	4	26
		119.00 120.50 0.5 to 1% finely disseminated pyrite within sericitized massive section.	780137	119.00	120.50	1.50		.3	32	<2	25
		120.50 121.50 1 to 2% disseminated pyrite localized proximal to quartz bleb with 1 to 2% patchy sphalerite.	780138	120.50	121.50	1.00		.4	28	2	64
		121.50 122.00 1 to 2% finely disseminated pyrite.	780139	121.50	122.00	.50		.2	29	<2	26
		122.00 122.50 4 cm quartz vein at 50 degrees to core axis with approximately 0.5 to 1% localized galena.	780140	122.00	122.50	.50		.6	31	<2	27

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		122.50 124.00 1 to 2% disseminated pyrite localized within fractures.	780141	122.50	124.00	1.50		.8	40	4	25
		124.00 125.00 3 to 4% patchy disseminations of pyrite throughout sericitized and silicified alteration zone.	780142	124.00	125.00	1.00		.7	34	<2	56
		125.00 126.50 Same as above.	780143	125.00	126.50	1.50		1.1	29	3	67
		126.50 127.30 5 to 6% patchy disseminations of pyrite localized within chloritic fractures.	780144	126.50	127.30	.80	<5	1.0	28	5	69
		127.30 128.00 28 cm quartz vein at 40 degrees to core axis with approximately 0.5 to 1% scattered patchy sphalerite and galena.	780145	127.30	128.00	.70		1.7	26	7	72
		128.00 129.00 5 to 6% patchy disseminations and segregated patches of pyrite localized within chloritic fractures.	780146	128.00	129.00	1.00		.6	32	4	86
		129.00 130.00 4 to 5% disseminated pyrite localized within chloritic and silicified fractures.	780147	129.00	130.00	1.00		2.9	32	7	51
		130.00 131.00 3 to 4% patchy disseminations of pyrite throughout silicified alteration zone.	780148	130.00	131.00	1.00		2.7	36	7	95
131.00		END OF HOLE									

S

UTM Northing 494814 NAD27

(L 4+00 E)

MID01-02

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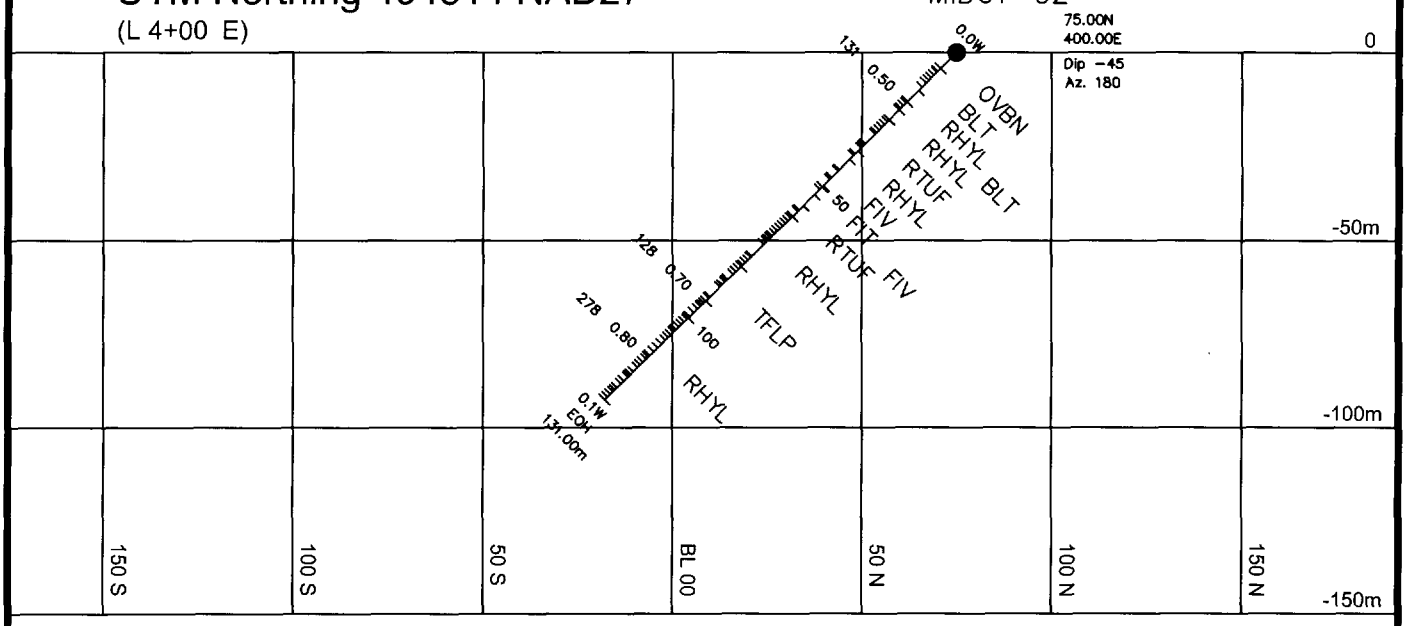
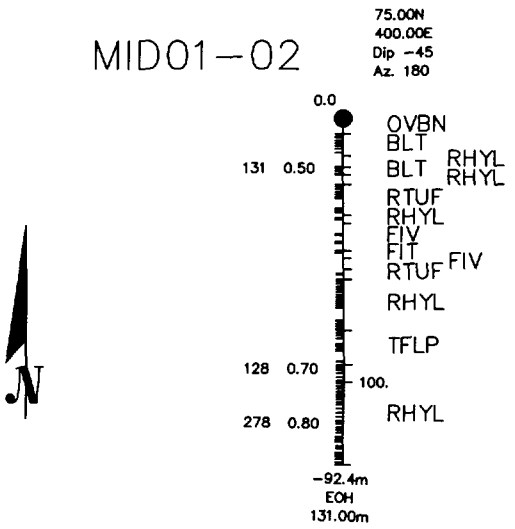


ML 103654 (CLM 256)



LEGEND	
OVBN	Overburden
AFT	Argillite/felsic tuff
BLT	Block tuff
TFLP	Lapilli tuff
RTUF	Rhyolite tuff
RHYL	Rhyolite
FIT	Felsic to intermediate tuff
ITT	Intermediate tuff
TFBX	Tuff breccia
FIV	Felsic to intermediate volcanic
IV	Intermediate volvanic
DACT	Dacite
QFP	Quartz feldspar porphery
MMZ	Main mineralized zone
UMZ	Upper mineralized zone
LMZ	Lower mineralized zone
FALT	Fault zone
FAZ	Fracture / alteration zone

Assay (Zn only >100 ppm)

210 1.00 Zinc (ppm) over 1.00m

100 N
50 N
BL 00
50 S
100 S

L 3+00 E

L 5+00 E

SCALE

0 50 100

metres

CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH MID01-02

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Northing: 275
Easting: -300
Elevation: 0

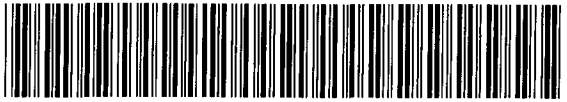
Collar Azi.: 360.0
Collar Dip: -45.0

*** Dip Tests ***

Depth	Azi.	Dip
50	358.9	-45.4
101	359.3	-44.5
152	3.0	-44.1

Hole length: 152.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex



41P14NE2012 2.25718 MIDLOTHIAN

040

Comments: Drilled east of Teddy Lake
Logged by: P. Caldbick, 2001
Date(s) logged: February 06, 2001
Purpose: Test gold structure
Core storage: Moneta core facility, Timmins

Drill Hole: HAL01-03

Project: Halliday Dome
Property: Midlothian\Halliday
Claim: Lease 103655 (CLM 257)
Northing: 2+75 N
Easting: L 3+00 W
GPS Northing:
GPS Easting:
Date Started: January 31, 2001
Date completed: January 01, 2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 780149-204
Lab A report: T01-57052.0
Lab B:
Sample series B:
Lab B report:

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	6.00	OVERBURDEN CASING to 6.0 metre.									
6.00	12.30	BLOCK TUFF Light green to dark grey, medium grained, best described as block tuff, sericitic, chloritic, intercalated sericitic and chloritic sections. Unit possesses ripped up subangular to subrounded sericitized tuffaceous clasts within brecciated mineralized chloritic matrix. Unit moderately foliated with foliation at 50 degrees to core axis and possesses approximately 3 to 4 disseminated pyrite within matrix. Scattered quartz blebs and stringers throughout, stringer crosscut foliation at 40 degrees to core axis, sharp foot wall contact at 50 degrees to core axis.									
		6.00 7.50 4 to 5% finely disseminated pyrite occrrring between sericitized rounded clasts within brecciated matrix.	780149	6.00	7.50	1.50		<.2	35	7	69
		7.50 9.00 1 to 2% localized patchy disseminations of pyrite localized within chloritic fractures.	780150	7.50	9.00	1.50		<.2	34	4	59
		9.00 10.50 2 to 3% patchy disseminations of pyrite occurring within sericitized tuffaceous clasts.	780151	9.00	10.50	1.50		<.2	30	5	42
		10.50 11.50 4 to 5% patchy disseminations of pyrite within sericitized tuffaceous sections.	780152	10.50	11.50	1.00	5	<.2	40	6	47
		11.50 12.30 2 to 3% disseminated pyrite within chloritic lapilli tuffaceous sections.	780153	11.50	12.30	.80		<.2	32	5	67
12.30	15.10	LAPILLI TUFF Dark green to dark grey, chloritic, silicified, relatively unaltered and									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		pristine unit with lapilli-size clasts aligned parallel to foliation.									
		Unit moderately foliated with foliation at 60 degrees to core axis, localized subrounded to subangular block-sized fragments, rare quartz stringers.									
		Approximately 3 to 4% finely disseminated and patchy disseminations of pyrite localized between clasts, sharp foot wall contact at 45 degrees to core axis.									
		12.30 13.50 4 to 5% finely disseminated pyrite within matrix between diffuse lapilli fragments.	780154	12.30	13.50	1.20		<.2	36	7	93
		13.50 15.00 Same as above.	780155	13.50	15.00	1.50		<.2	34	5	88
		15.00 16.50 2 to 3% disseminated pyrite occurring within brecciated silicified and chloritic matrix.	780156	15.00	16.50	1.50		<.2	37	6	46
15.10	18.20	BLOCK TUFF									
		Unit similar to first unit with ripped-up subangular to subrounded tuffaceous sericitized clasts within brecciated silicified and chloritic matrix.									
		Clasts are lapilli grading to block sized fragments and aligned parallel to foliation at 50 degrees to core axis.									
		Unit possesses localized vuggy sections and approximately 1 to 2% finely disseminated pyrite occurring within brecciated matrix.									
		Sharp foot wall contact at 50 degrees to core axis.									
		16.50 18.00 Same as above with approximately 3 to 4% finely disseminated pyrite.	780157	16.50	18.00	1.50		<.2	32	6	127
18.20	24.20	LAPILLI TUFF									
		Dark grey, medium grained, sericitized, silicified, chloritic, weakly foliated with foliation at 50 degrees to core axis, unit mottled with silicified and quartz blebs throughout.									
		Unit possesses subangular quartz blebs and phenocrysts up to 5 mm occurring within sericitized and chloritic matrix.									
		Lithology has glomeroporphyritic appearance.									
		Unit further possesses localized vuggy sections with weathered quartz blebs and localized 10 cm quartz vein perpendicular to core axis at 22.0 metre.									
		Approximately 0.5 to 1% finely disseminated pyrite throughout, sharp foot wall contact at 50 degrees to core axis.									
24.20	31.70	RHYOLITE TUFF									
		Light green to dark grey, medium grained to coarse grained, locally sericitic, chloritic with ripped-up subangular to subrounded tuffaceous sections intercalated with chloritic lapilli sections.									
		Approximately 2 to 3% patchy disseminations of pyrite occurring between fragments within localized brecciated sections.									
		Unit moderately foliated with foliation at 40 degrees to core axis, localized fractured sections stained with ankeritic and limonitic alteration.									
		Sharp faulted foot wall contact at 20 degrees to core axis.									
		24.20 25.00 3 to 4% finely disseminated pyrite occurring within dark grey chloritic brecciated matrix.	780158	24.20	25.00	.80		<.2	51	9	91
		25.00 26.50 2 to 3% finely disseminated pyrite within sericitized tuffaceous sections and chloritic lapilli tuffaceous matrix.	780159	25.00	26.50	1.50		<.2	26	3	39
		26.50 28.00 Same as above.	780160	26.50	28.00	1.50		<.2	34	5	94
		28.00 29.00 2 to 3% patchy disseminations of pyrite occurring predominantly within brecciated chloritic and silicified matrix.	780161	28.00	29.00	1.00	<5	<.2	40	8	134
		29.00 30.00 2 to 3% patchy disseminations of pyrite within sericitized tuffaceous blocks.	780162	29.00	30.00	1.00		<.2	35	5	64

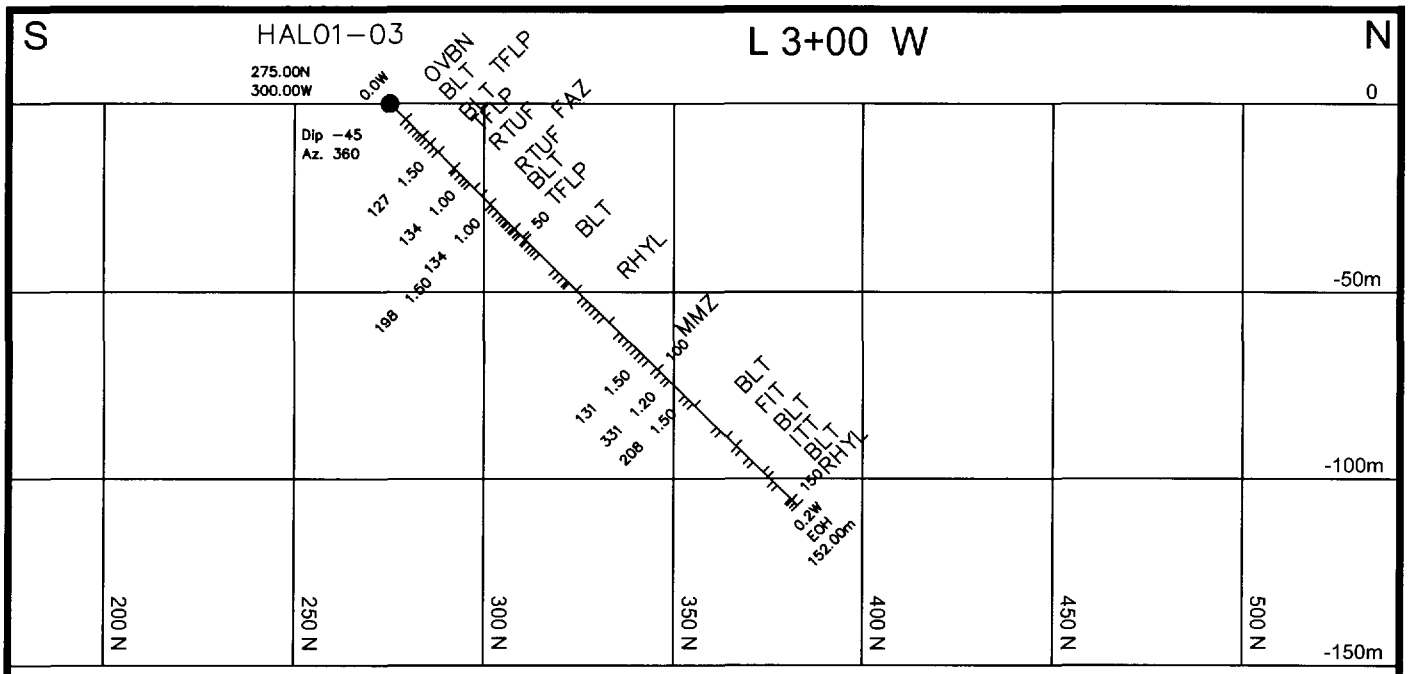
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
31.70	34.40	FRACTURE/ALTERATION ZONE Extremely fractured and faulted section with localized crumbled seams and numerous fractures subparllel to core axis. Lithology described as block tuff with localized more competent sections displaying tightly packed subrounded clasts. 0.5 to 1% localized patchy disseminations of pyrite, sharp faulted foot wall contact parallel to core axis.									
34.40	37.70	RHYOLITE TUFF Light green, medium grained, homogenous tuffaceous moderately foliated unit with foliation at 50 degrees to core axis, unit stained with ankeritic alteration. Localized fault zone from 36.2 to 36.8 with fractures at 20 degrees to core axis, gradational foot wall contact at 50 degrees to core axis, trace pyrite.									
37.70	47.00	BLOCK TUFF Dark grey to light green, medium grained to coarse grained, locally sericitic, chloritic and silicified block tuff with intercalated sericitized tuffaceous and dark grey chloritic lapilli tuffaceous sections. Unit possesses localized sericitized rounded to subrounded block sized fragments and clasts throughout. Approximately 2 to 3% localized patchy disseminations of pyrite localized within dark grey lapilli tuffaceous sections. From 40.7 to 41.2 localized extremely fractured fault zone with fractures at 30 degrees to core axis. Sharp foot wall contact at 75 degrees to core axis.									
		38.00 39.00 3 to 4% patchy disseminations of pyrite within chloritic silicified brecciated matrix.	780163	38.00	39.00	1.00		<.2	39	6	134
		39.00 40.50 2 to 3% finely disseminated pyrite within brecciated silicified and chloritic matrix.	780164	39.00	40.50	1.50		<.2	36	5	198
		40.50 42.00 2 to 3% disseminated pyrite within chloritic matrix between sericitized tuffaceous clasts and blocks.	780165	40.50	42.00	1.50		<.2	31	5	95
		42.00 43.00 Singular 2 cm quartz stringer parallel to core axis, approximately 2 to 3% disseminated pyrite within brecciated wallrock.	780166	42.00	43.00	1.00	<5	<.2	33	6	49
		43.00 44.00 3 to 4% disseminated pyrite rimming blocks and sericitized clasts.	780167	43.00	44.00	1.00		<.2	46	6	84
		44.00 44.50 5 to 6% semi-massive pyrite localized within chloritic fractures.	780168	44.00	44.50	.50		<.2	24	4	62
		44.50 45.50 4 to 5% localized bands of disseminated pyrite within sericitized alteration zones.	780169	44.50	45.50	1.00		<.2	29	6	62
		45.50 46.50 6 to 7% localized bands of disseminated pyrite within sericitized lapilli tuff.	780170	45.50	46.50	1.00		<.2	53	9	43
		46.50 47.10 4 to 5% localized bands of disseminated pyrite at 30 degrees to core axis.	780171	46.50	47.10	.60	<5	<.2	27	4	53
47.00	50.90	LAPILLI TUFF Dark grey to dark green, fine grained to medium grained, chloritic, silicified, carbonatized, locally sericitic, relatively homogenous unit. Unit predominantly lapilli tuffaceous with rare localized sericitized brecciated sections. Unit possesses carbonatized scoriaceous lapilli aligned parallel to foliation with foliation at 60 degrees to core axis.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		From 48.2 to 48.9 localized sericitized brecciated section with 12 to 15% semi-massive acumulations of pyrite. Gradational foot wall contact at 70 degrees to core axis.									
		47.10 48.20 0.5 to 1% finely disseminated pyrite within chloritic lapilli tuff.	780172	47.10	48.20	1.10		<.2	30	3	67
		48.20 49.00 Approximately 10 to 12% patchy disseminations and semi-massive pyrite within sericitized alteration zone.	780173	48.20	49.00	.80		<.2	46	9	21
50.90	69.90	BLOCK TUFF									
		Dark grey to light green, coarse grained, predominantly sericitic, locally chloritic and silicified moderately foliated unit with foliation at 60 degrees to core axis. Unit comprised of tightly packed rounded to subrounded tuffaceous blocks and fragments within brecciated silicified and chloritic matrix. From 50.9 to 55.0 unit predominantly chloritic with intercalated dark grey lapilli tuff and sericitized tuffaceous sections, localized silicified sections throughout. From 55.0 to 63.5 unit predominantly sericitic with sericitized tuffaceous blocks and rounded sericitized fragments within silicified brecciated matrix. From 63.5 to 68.3 unit possesses more brecciated silicified matrix with scattered rounded sericitized tuffaceous clasts. From 68.3 to 69.5 unit possesses gomeroporphyritic appearance with subrounded quartz phenocrysts within sericitized matrix. Approximately 3 to 4% patchy disseminations of pyrite throughout unit occurring predominantly within brecciated silicified matrix. Gradational foot wall contact at 70 degrees to core axis.									
		50.90 51.50 5 to 6% localized patchy disseminated pyrite within sericitized tuff	780174	50.90	51.50	.60		<.2	38	4	37
		51.50 52.80 3 to 4% disseminated pyrite occurring within fractures within brecciated sericitized and chloritic tuff.	780175	51.50	52.80	1.30		<.2	42	5	69
		52.80 54.00 Approximately 5 to 6% disseminated pyrite localized within fractures throughout brecciated sericitized and silicified alteration zone.	780176	52.80	54.00	1.20		<.2	48	8	51
		54.00 55.00 1 to 2% disseminated and scattered subhedral pyrite within chloritic and silicified tuff.	780177	54.00	55.00	1.00		<.2	64	5	94
		55.00 56.20 3 to 4% disseminated pyrite occurring within silicified brecciated matrix between sericitized fragments.	780178	55.00	56.20	1.20		<.2	40	6	37
		62.00 63.50 2 to 3% disseminated pyrite localized within silicified, chloritic brecciated matrix.	780179	62.00	63.50	1.50		<.2	32	8	16
		63.50 65.00 Same as above.	780180	63.50	65.00	1.50		<.2	16	4	15
		65.00 66.50 Same as above.	780181	65.00	66.50	1.50		<.2	17	5	49
		66.50 67.20 Same as above.	780182	66.50	67.20	.70	<5	<.2	26	9	37
69.90	82.00	RHYOLITE									
		Light green, sericitic, locally silicified and chloritic, massive relatively homogenous weakly foliated unit with foliation at 50 degrees to core axis. Unit speckled with blue-grey subhedral quartz phenocrysts and possesses scattered localized silicified and chloritic brecciated sections. Approximately 2 to 3% disseminated pyrite localized within silicified brecciated sections, faulted foot wall contact at 70 degrees to core axis.									
		72.50 74.00 3 to 4% patchy disseminations of pyrite within brecciated silicified sections.	780183	72.50	74.00	1.50		<.2	19	5	50
		74.00 75.50 2 to 3% disseminated pyrite throughout silicified and sericitized	780184	74.00	75.50	1.50		<.2	13	4	32

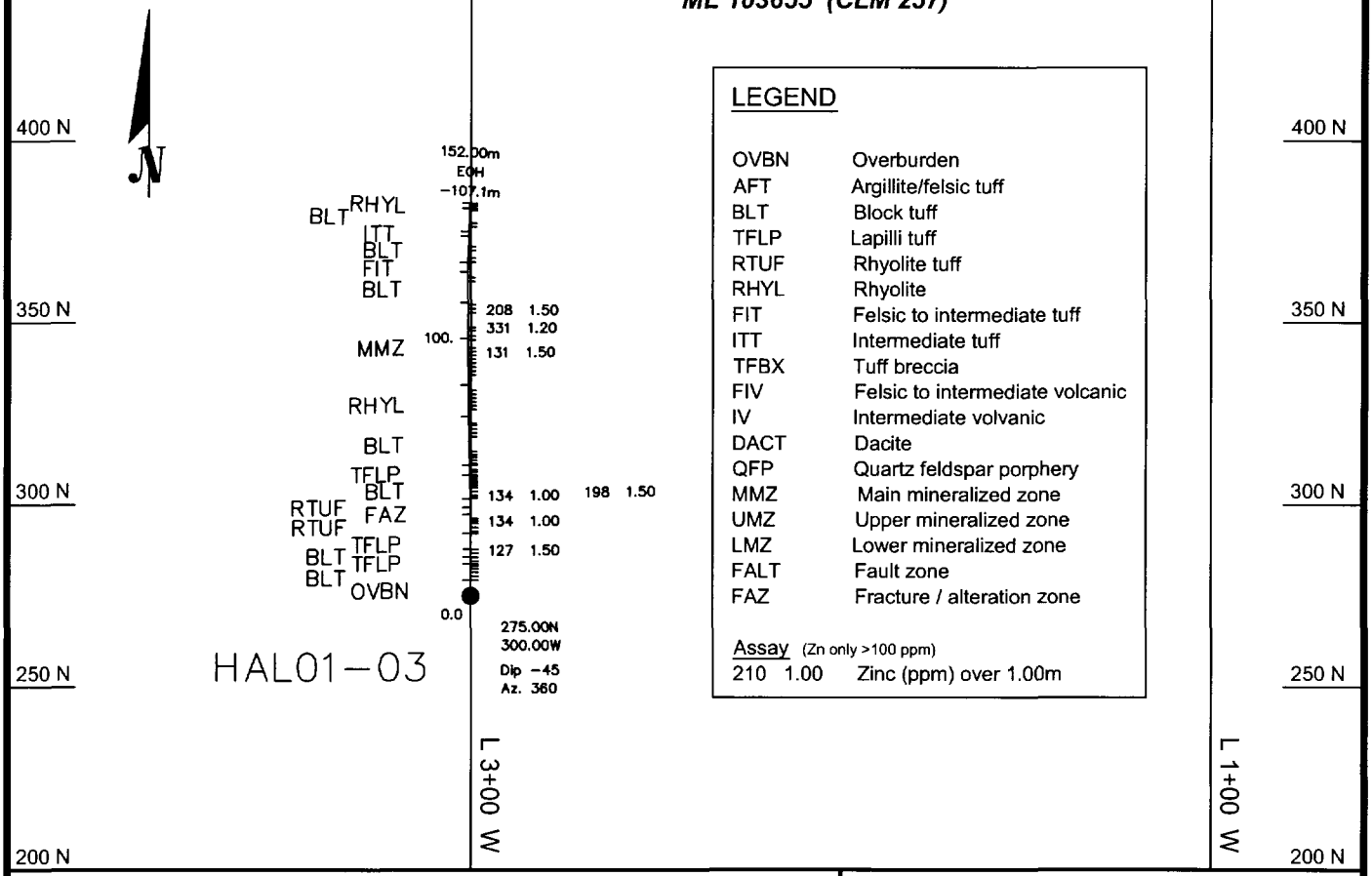
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		brecciated matrix.									
		75.50 77.00 3 to 4% disseminated pyrite localized within silicified brecciated sections.	780185	75.50	77.00	1.50		<.2	19	3	19
		77.00 78.50 2 to 3% disseminated pyrite localized within fractures.	780186	77.00	78.50	1.50		<.2	16	4	13
		78.50 80.00 2 to 3% disseminated pyrite localized within silicified brecciated section.	780187	78.50	80.00	1.50		<.2	27	3	26
82.00	113.80	MAIN MINERALIZED ZONE									
		Light green to light grey extremely faulted and mineralized block tuff with angular to subangular sericitized, cherty and dacitic tightly packed fragments and clasts within silicified brecciated matrix.									
		Unit extremely foliated, slightly sheared with foliation at 50 degrees to core axis, unit possesses approximately 4 to 5% patchy disseminations of pyrite throughout parallel to foliation.									
		Overprinting of sericitic alteration with patches and wisps of sericitic alteration throughout.									
		From 82.0 to 86.0 strongly faulted section with localized fractured sections and fractures at 10 to 20 degrees to core axis.									
		From 98.0 to 108.0 strongly faulted section with localized sections of crumbled core ocurring intermittently throughout.									
		Fractures within fault zone generally subparallel to core axis, from 104.0 to 107.0 extremely vuggy weathered section.									
		Sharp foot wall contact at 70 degrees to core axis.									
		86.00 87.50 2 to 3% patchy disseminations of pyrite throughout sericitized and silicified block tuff.	780188	86.00	87.50	1.50		<.2	30	8	49
		87.50 89.00 6 to 7% patchy disseminations of pyrite throughout sericitized and silicified brecciated sheared block tuff.	780189	87.50	89.00	1.50	<5	<.2	30	9	41
		89.00 90.50 4 to 5% patchy disseminations of pyrite throughout sheared sericitized and silicified block tuff.	780190	89.00	90.50	1.50		<.2	33	7	52
		90.50 92.00 3 to 4% patchy disseminations of pyrite, section less sheared, fragments rounded to subrounded.	780191	90.50	92.00	1.50		<.2	35	7	17
		92.00 93.50 2 to 3% disseminated pyrite throughout, sericitized and silicified with localized vuggy sections.	780192	92.00	93.50	1.50		<.2	37	8	79
		93.50 95.00 3 to 4% localized patchy disseminations of pyrite, slightly fractured section.	780193	93.50	95.00	1.50		<.2	31	6	131
		95.00 96.50 6 to 7% patchy disseminations of pyrite throughout sericitized brecciated alteration zone.	780194	95.00	96.50	1.50		<.2	37	10	49
		99.50 101.00 5 to 6% patchy disseminations of pyrite occurring predominantly throughout silicified brecciated matrix.	780195	99.50	101.00	1.50		<.2	27	8	23
		103.10 104.30 5 to 6% patchy disseminations of pyrite throughout sericitized alteration zone, strongly fractured zone.	780196	103.10	104.30	1.20		<.2	50	10	331
		110.00 111.50 6 to 7% patchy disseminations of pyrite throughout sericitized and silicified brecciated alteration zone.	780197	110.00	111.50	1.50		<.2	61	14	208
		111.50 113.00 Same as above.	780198	111.50	113.00	1.50	<5	<.2	34	11	96
113.80	125.80	BLOCK TUFF									
		Light green to light grey medium grained to coarse grained, weakly foliated block tuff comprised of subrounded to rounded sericitized, cherty and argillaceous fragments and blocks within brecciated silicified matrix.									
		Both matrix and sericitized tuffaceous fragments speckled with approximately 1 to 2% finely disseminated pyrite throughout, weakly foliated with foliation at									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		60 degrees to core axis.									
		Sharp foot wall contact at 60 degrees to core axis.									
		122.00 123.50 3 to 4% disseminated pyrite occurrring within silicified brecciated matrix.	780199	122.00	123.50	1.50		<.2	35	7	78
125.80	129.20	FELSIC TO INTERMEDIATE TUFF									
		Dark grey to dark green, fine grained to medium grained, chloritic, locally sericitic and silicified, diffuse block sized rounded to subrounded chloritic clasts within silicified and chloritic matrix.									
		Moderately foliated with foliation at 60 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout, scattered quartz stringers at 30 to 40 degrees to core axis.									
		Sharp foot wall contact at 50 degrees to core axis.									
129.20	139.30	BLOCK TUFF									
		Light green, medium grained to coarse grained, moderately foliated block tuff possessing sericitized rounded to subrounded fragments and clasts within silicified and weakly chloritic matrix.									
		Approximately 2 to 3% patchy disseminations and finely disseminated pyrite throughout localized within matrix, foliation at 60 degrees to core axis.									
		At 134.9 localized fault gouge at 40 degrees to core axis, at 135.0 3 cm quartz vein at 30 degrees to core axis.									
		From 135.5 to 139.3 unit possesses larger sericitized fragments up to 10 cm and intercalated dark grey chloritic lapilli tuffaceous sections.									
		Sharp foot wall contact at 50 degrees to core axis.									
		129.50 131.00 3 to 4% disseminated pyrite occurring silicified brecciated matrix and sericitized tuffaceous clasts.	780200	129.50	131.00	1.50	<5	<.2	32	6	64
		134.00 135.50 Localized fault gouge and 3 cm quartz vein at 30 degrees to core axis with approximately 3 to 4% disseminated pyrite within surrounding wallrock.	780201	134.00	135.50	1.50		<.2	23	8	33
139.30	141.20	INTERMEDIATE TUFF									
		Dark grey, fine grained, massive, homogenous, chloritic, silicified, weakly foliated unit with foliation at 40 degrees to core axis, weakly tuffaceous dacitic to andesitic unit.									
		Unit speckled with blue-grey subhedral quartz phenocrysts and possesses scattered wisps of sericitic alteration.									
		Trace sulphide noted, gradational foot wall contact at 80 degrees to core axis.									
141.20	150.00	BLOCK TUFF									
		Light green to dark grey, medium grained to coarse grained, moderately foliated block tuff with rounded to subrounded sericitized and INTERMEDIATE TUFF clasts and fragments within silicified brecciated matrix.									
		Unit possesses approximately 1 to 2% finely disseminated pyrite throughout with foliation at 50 degrees to core axis.									
		From 148.3 to 149.4 fault zone with fractured crumbled core and fractures subparallel to core axis.									
		From 149.4 to 149.8 25 cm quartz albite brecciated vein subparallel to core axis with angular xenoliths of sericitized wallrock.									
		Approximately 1 to 2% disseminated pyrite within surrounding wallrock, sharp foot wall contact at 30 degrees to core axis.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		143.00 144.50 2 to 3% finely disseminated pyrite occurring within silicified brecciated matrix.	780202	143.00	144.50	1.50	<5	<.2	28	11	67
		149.40 150.00 25 cm brecciated quartz vein subparallel to core axis with approximately 1 to 2% finely disseminated pyrite within wallrock.	780203	149.40	150.00	.60	<5	<.2	16	9	60
150.00	152.00	RHYOLITE									
		Light green, fine grained, massive, homogenous weakly foliated with foliation at 40 degrees to core axis, sericitic silicified and weakly chloritic with chlorite localized within fractures parallel to foliation.									
		Series of quartz stringers crosscutting foliation at 40 degrees to core axis, trace sulphide.									
		150.00 151.00 1 to 2% finely disseminated pyrite localized within chloritic fractures.	780204	150.00	151.00	1.00		<.2	25	8	37
152.00		END OF HOLE									



ML 103655 (CLM 257)



LEGEND

OVBN	Overburden
AFT	Argillite/felsic tuff
BLT	Block tuff
TFLP	Lapilli tuff
RTUF	Rhyolite tuff
RHYL	Rhyolite
FIT	Felsic to intermediate tuff
ITT	Intermediate tuff
TFBX	Tuff breccia
FIV	Felsic to intermediate volcanic
IV	Intermediate volvanic
DACT	Dacite
QFP	Quartz feldspar porphery
MMZ	Main mineralized zone
UMZ	Upper mineralized zone
LMZ	Lower mineralized zone
FALT	Fault zone
FAZ	Fracture / alteration zone

Assay (Zn only >100 ppm)
210 1.00 Zinc (ppm) over 1.00m

SCALE
0 50 100
metres

CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-03

May 2003 | R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Northing: 50
Easting: -700
Elevation: 0

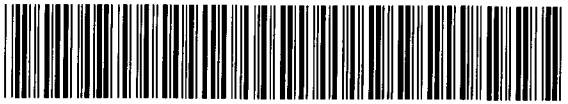
Collar Azi.: 360.0
Collar Dip: -45.0

*** Dip Tests ***

Depth	Azi.	Dip
65	6.7	-44.3
101	359.3	-44.5
152	3.0	-44.1

Hole length: 119.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex



41P14NE2012 2.25718 MIDLOTHIAN

050

Comments: Drilled south of Teddy Lake
Logged by: P. Caldbick, 2001
Date(s) logged: February 07, 2001
Purpose: Test Quantec RSIP anomaly contact
Core storage: MOneta core facility, Timmins

Drill Hole: HAL01-04

Project: Halliday Dome
Property: Midlothian\Halliday
Claim: Lease 103655 (clm 257)
Northing: 0+50 N
Easting: L 7+00 W
GPS Northing:
GPS Easting:
Date Started: February 01, 2001
Date completed: February 07, 2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 780205-244
Lab A report: T01-57056.0
Lab B:
Sample series B:
Lab B report:

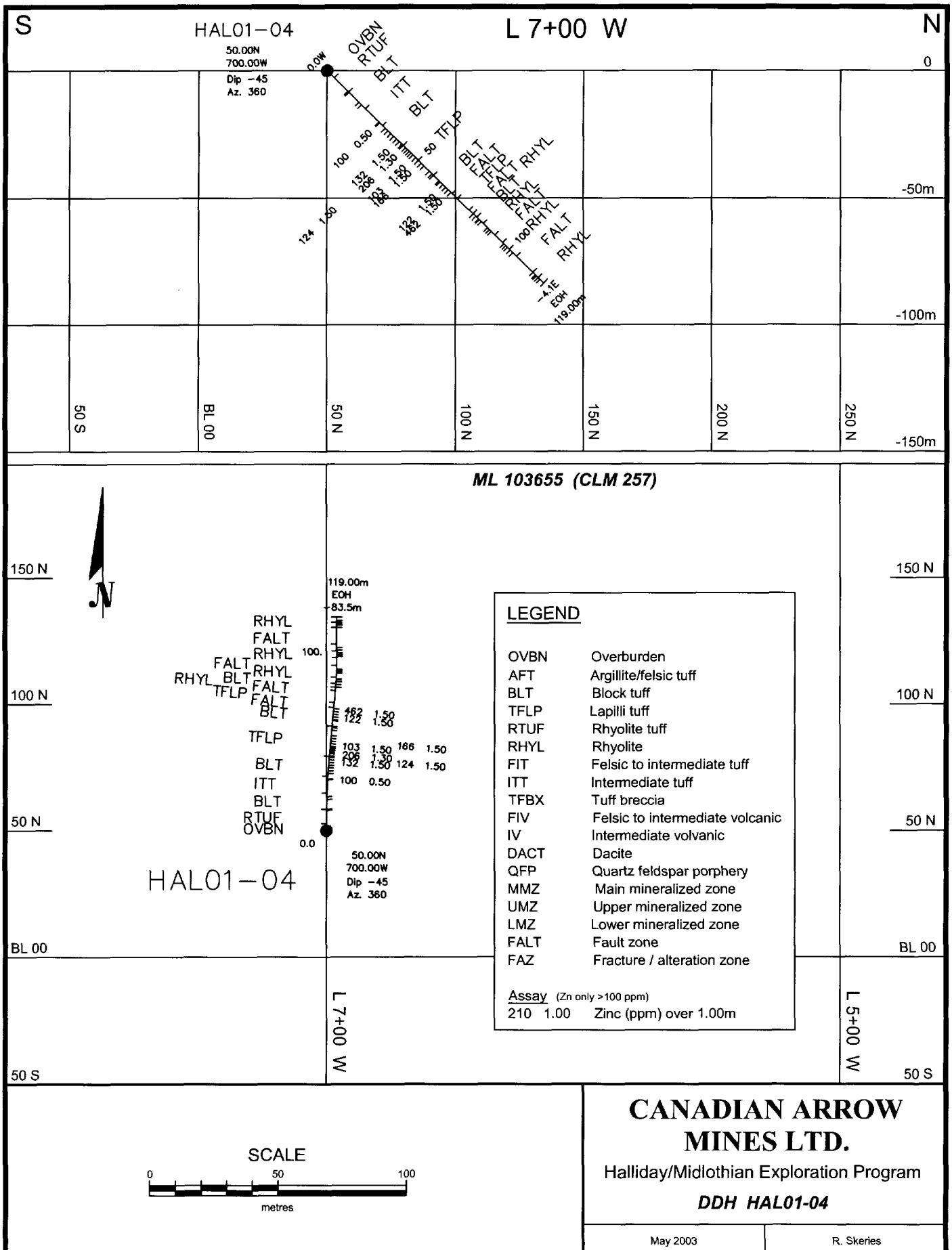
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	4.00	OVERBURDEN CASING to 4.0 metre.									
4.00	11.90	RHYOLITE TUFF Light green, fine grained, sericitic, weakly chloritic with localized fractures infilled with chlorite, weakly foliated with foliation at 50 degrees to core axis. Unit weakly tuffaceous with localized lapilli to block sized subrounded fragments, approximately 0.5 to 1% finely disseminated pyrite. At 11.5 15 cm white quartz vein at 40 degrees to core axis with sericitized xenoliths and approximately 0.5 to 1% disseminated pyrite localized at vein contacts gradational foot wall contact at 65 degrees to core axis. 11.40 12.00 15 cm quartz vein at 50 degrees to core axis rimmed with approximately 1 to 2% finely disseminated pyrite.	780205	11.40	12.00	.60	6	<.2	39	5	44
11.90	21.10	BLOCK TUFF Light green, fracturing to medium grained, sericitic, locally chloritic and silicified, unit possesses subangular to subrounded block sized fragments throughout. Unit further possesses intercalated fragmental sections and chloritic, silicified brecciated sections, moderately foliated with foliation at 50 degrees to core axis. From 11.9 to 15.5 unit possesses network of chlorite infilled fractures and diffuse clasts. From 15.5 to 17.4 unit possesses tightly packed subangular to subrounded									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		sericitized fragments within chloritic matrix.									
		From 17.4 to 19.0 unit strongly tuffaceous, sericitized and silicified with rare clasts.									
		From 19.0 to 21.1 unit possesses tightly packed subrounded to rounded fragments within chloritic and silicified brecciated matrix.									
		Approximately 1 to 2% finely disseminated pyrite throughout unit, fractured faulted foot wall contact at 50 degrees to core axis.									
		17.50 19.00 1 to 2% finely disseminated pyrite throughout sericitized tuffaceous alteration zone.	780206	17.50	19.00	1.50		<.2	24	3	45
21.10	30.50	INTERMEDIATE TUFF									
		Dark grey, moderately foliated, tuffaceous with pervasive chloritic alteration, locally sericitic and silicified, foliation at 50 degrees to core axis.									
		Unit probably more dacitic in compositon with localized brecciated silicified sections and rare diffuse subangular clasts.									
		Approximately 0.5 to 1% finely disseminated pyrite throughout, at 29.7 10 cm white barren quartz vein at 80 degrees to core axis, sharp foot wall contact at 70 degrees to core axis.									
		28.50 29.00 10 cm barren white quartz vein at 80 degrees to core axis.	780207	28.50	29.00	.50		.3	40	6	100
30.50	41.70	BLOCK TUFF									
		Dark grey to light green, medium grained to coarse grained, highly foliated tuffaceous mineralized block tuff, possible Upper Mineralized Zone.									
		Unit possesses lapilli to block sized subangular to subrounded sericitized tuffaceous fragments within chloritic and silicified brecciated matrix.									
		Unit further possesses approximately 5 to 6% patchy disseminations of pyrite occurring within brecciated chloritic matrix.									
		Foliation at 45 to 50 degrees to core axis, unit slightly sheared throughout, sharp foot wall contact at 40 degrees to core axis.									
		32.00 33.50 Approximately 1 to 2% disseminated pyrite within chloritic and silicified brecciated matrix.	780208	32.00	33.50	1.50		<.2	39	9	52
		33.50 35.00 5 to 6% patchy disseminations and bands of pyrite parallel to foliation within chloritic and silicified brecciated matrix.	780209	33.50	35.00	1.50	7	<.2	31	10	39
		35.00 36.50 5 to 6% patchy disseminations of pyrite throughout brecciated silicified and chloritic matrix.	780210	35.00	36.50	1.50		<.2	55	12	45
		36.50 38.00 4 to 5% disseminated pyrite throughout chloritic and silicified brecciated matrix.	780211	36.50	38.00	1.50		.5	36	13	33
		38.00 39.50 5 to 6% patchy disseminations and bands of pyrite parallel to foliation within chloritic and silicified brecciated matrix.	780212	38.00	39.50	1.50		.6	33	8	132
		39.50 41.00 8 to 10% patchy disseminations of pyrite occurring throughout chloritic and silicified brecciated matrix.	780213	39.50	41.00	1.50	<5	.2	41	11	124
		41.00 41.70 4 to 5% disseminated pyrite throughout chloritic silicified brecciated matrix.	780214	41.00	41.70	.70		.3	37	12	80
41.70	58.30	LAPILLI TUFF									
		Light green to light grey, fine grained to medium grained, sericitic, locally chloritic and silicified, moderately foliated with foliation at 50 degrees to core axis.									
		Lapilli sized angular to subangular clasts and fragments aligned parallel to foliation, carbonatized feldspar phenocrysts throughout.									
		Unit possesses intercalated sericitized tuffaceous sections and light grey									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		silicified brecciated sections throughout, approximately 3 to 4% disseminated pyrite occurring as bands and patchy disseminations parallel to foliation. Silicified brecciated sections possess sharp contacts at 40 to 50 degrees to core axis, sharp foot wall contact at 40 degrees to core axis.									
		41.70 43.00 3 to 4% disseminated pyrite localized within chloritic fractures.	780215	41.70	43.00	1.30		<.2	29	5	206
		43.00 44.00 4 to 5% disseminated pyrite localized within bands and patchy disseminations parallel to foliation.	780216	43.00	44.00	1.00		.6	50	9	70
		44.00 45.00 3 to 4% disseminated pyrite localized within chloritic and silicified brecciated matrix.	780217	44.00	45.00	1.00		.2	42	7	70
		45.00 46.00 3 to 4% disseminated pyrite localized within chloritic fractures within silicified zones.	780218	45.00	46.00	1.00		<.2	35	5	95
		46.00 47.00 1 to 2% disseminated pyrite localized within chloritic fractures within sericitized tuff.	780219	46.00	47.00	1.00		<.2	27	4	74
		47.00 48.50 8 to 10% pyrite occurring as patchy disseminations and bands within sericitized tuff.	780220	47.00	48.50	1.50	<5	.3	32	12	103
		48.50 50.00 3 to 4% disseminated pyrite localized within chloritic fractures within sericitized tuff.	780221	48.50	50.00	1.50		<.2	28	7	68
		50.00 51.50 4 to 5% pyrite occurring as patchy disseminations within sericitized tuff.	780222	50.00	51.50	1.50		<.2	29	7	166
		51.50 53.00 3 to 4% disseminated pyrite localized within chloritic fractures within sericitized tuff.	780223	51.50	53.00	1.50		<.2	34	5	92
		56.00 57.50 5 to 6% localized disseminated bands of pyrite within silicified and chloritic lapilli tuff.	780224	56.00	57.50	1.50		.5	41	12	62
		57.50 58.30 7 to 8% pyrite occurring as patchy disseminations within sericitized tuff.	780225	57.50	58.30	.80		.4	26	8	46
58.30	68.60	BLOCK TUFF									
		Light green, fine grained to medium grained, moderately foliated with foliation at 40 degrees to core axis, sericitized and locally chloritic and silicified with block sized angular to subangular fragments and clasts parallel to foliation.									
		Unit characterized as block tuff with overprinting of carbonatized scoriaceous lapilli indicative of separate explosive events.									
		Approximately 2 to 3% finely disseminated pyrite throughout unit, faulted foot wall contact at 25 degrees to core axis.									
		61.30 62.00 4 to 5% disseminated pyrite localized within chloritic fractures within sericitized tuff.	780226	61.30	62.00	.70		<.2	47	8	68
		62.00 63.50 4 to 5% disseminated pyrite occurring within chloritic fractures within brecciated silicified and chloritic alteration zone.	780227	62.00	63.50	1.50		.3	39	8	42
		63.50 65.00 1 to 2% disseminated pyrite occurring within chloritic fractures within sericitized tuff.	780228	63.50	65.00	1.50		<.2	30	5	122
		65.00 66.50 8 to 10% disseminated pyrite occurring as patchy disseminations and segregated bands parallel to foliation within sericitized and silicified alteration zone.	780229	65.00	66.50	1.50	18	1.0	44	22	91
		66.50 68.00 5 to 6% patchy disseminations of pyrite within sericitized tuff.	780230	66.50	68.00	1.50		.9	55	24	462
68.60	71.40	FAULT									
		Light green, extremely fragmented and faulted zone with blocky crumbled core, fractures at 20 degrees to core axis.									
		Host lithology sericitized RHYOLITE TUFF, no appreciable sulphide noted, foot wall contact at 75 degrees to core axis.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
71.40	78.00	LAPILLI TUFF Light green, sericitized weakly foliated lapilli tuffaceous RHYOLITE with rounded scoriaceous lapilli weakly aligned parallel to foliation. Foliation at 50 degrees to core axis, unit strongly fragmented with fractures parallel to foliation, fairly massive homogenous lithology. 0.5 to 1% finely disseminated pyrite throughout, fragmented faulted foot wall contact at 40 degrees to core axis.									
78.00	80.00	FAULT Extremely fragmenteds faulted, crumbled core with localized fault gouge throughout, fractures parallel to core axis. Hostrock sericitized massive RHYOLITE, trace sulphide noted, fragmenteds foot wall contact parallel degrees to core axis.									
80.00	82.00	RHYOLITE Light green, sericitic, fine grained, weakly foliated with foliation at 40 degrees to core axis, massive, homogenous unit with scattered fractures infilled with chlorite. Scattered quartz stringers at 60 to 70 degrees to core axis, trace sulphide noted, sharp foot wall contact at 30 to core axis. 80.00 81.50 1 to 2% finely disseminated pyrite throughout sericitized tuff. 81.50 83.00 2 to 3% finely disseminated pyrite throughout chloritic brecciated matrix.	780231 780232	80.00 81.50	81.50 83.00	1.50 1.50		<.2 .3	38 43	4 8	41 23
82.00	85.60	BLOCK TUFF Light green to dark grey medium grained to coarse grained, sericitized, locally chloritic and silicified highly foliated with LAPILLI TO BLOCK SIZED angular to subangular fragments and clasts parallel to foliation. Foliation at 35 degrees to core axis, slightly sheared, localized 5 cm quartz vein parallel to core axis, trace sulphide noted. Brecciated foot wall contact at 40 degrees to core axis. 83.00 83.50 5 cm quartz vein parallel degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout wallrock. 83.50 84.50 1 to 2% disseminated pyrite localized within chloritic fractures.	780233 780234	83.00 83.50	83.50 84.50	.50 1.00		<.2 <.2	30 32	7 4	41 48
85.60	92.00	RHYOLITE Light green, fine grained, massive, homogenous, weakly foliated, sericitic, locally chloritic, extremely fragmented unit with localized fault gouge notably from 86.0 to 87.0 and 89.0 to 90.0. Fractures and fault gouge at 20 to 30 degrees to core axis, trace sulphide noted, fragmented foot wall contact at 80 degrees to core axis. 88.00 89.00 0.5 to 1% finely disseminated pyrite throughout sericitized RHYOLITE 89.00 90.00 4 to 5% disseminated pyrite localized within chloritic fractures within brecciated faulted silicified and chloritic alteration zone.	780235 780236	88.00 89.00	89.00 90.00	1.00 1.00		<.2 .4	39 41	6 7	56 60
92.00	96.30	FAULT Extremely fragmented blocky and faulted core with localized crumbled sections throughout. Fractures at 60 to 70 degrees to core axis, hostrock massive, silicified and weakly sericitized RHYOLITE, trace sulphide.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Sharp foot wall contact at 60 degrees to core axis.									
96.30	104.00	RHYOLITE									
		Light green, fine grained, sericitic, massive, relatively homogenous unit possessing numerous fractures infilled with chlorite.									
		Unit possesses scattered quartz veins and quartz stringers throughout at 70 to 80 degrees to core axis, approximately 0.5 to 1% disseminated pyrite localized within chloritic fractures.									
		At 100.0 7 cm barren quartz vein at 65 degrees to core axis, at 101.0 12 cm barren quartz vein at 50 degrees to core axis.									
		Foliation at 50 degrees to core axis, core extremely blocky, sharp fragmented foot wall contact at 50 degrees to core axis.									
		97.00 98.00 0.5 to 1% finely disseminated pyrite localized within chloritic fractures.	780237	97.00	98.00	1.00		.3	45	6	48
		98.00 99.00 Same as above.	780238	98.00	99.00	1.00		<.2	47	3	53
		99.00 100.50 10 cm localized quartz vein at 60 degrees to core axis, 0.5 to 1% finely disseminated pyrite within wallrock.	780239	99.00	100.50	1.50	<5	<.2	38	2	59
		100.50 102.00 10 cm localized quartz at 50 degrees to core axis, 0.5 to 1% finely disseminated pyrite within wallrock.	780240	100.50	102.00	1.50		<.2	28	2	73
104.00	113.00	FAULT									
		Extremely fragmented and faulted section with blocky and localized crumbled sections of core.									
		Hostrock sericitized massive, homogenous RHYOLITE, fractures generally at 40 to 50 degrees to core axis, trace SULPHIDE.									
		From 107.0 to 110.0 extremely blocky crumbled core.									
		At 113.0 5 feet of core reported missing indicative of open cavity.									
		From 113.0 to 114.5 milky white quartz vein, extremely blocky with crumbled sections, quartz vein possesses chloritic xenoliths with muscovite.									
		Approximately 0.5 to 1% finely disseminated pyrite within sericitic and chloritic xenoliths.									
116.00	119.00	RHYOLITE									
		Note - drillers attempted to extend drillhole to 150 M.									
		However, they encountered faulted blocky crumbled sections with loss of water and caving ground conditions.									
		Hole was abandoned at 119.0 M due to risk of losing rods.									
		Light green, fine grained, massive, homogenous sericitized weakly foliated RHYOLITE with foliation at 60 degrees to core axis, trace sulphide noted.									
		116.00 To 116.2 20 cm quartz vein with chloritic and sericitic xenoliths, trace sulphide noted.									
		116.00 117.00 20 cm quartz vein with chloritic and sericitic xenoliths, trace pyrite.									
119.00		END OF HOLE									
			780241	113.00	114.50	1.50		<.2	10	<2	22
			780242	114.50	115.00	.50		.3	62	9	50
			780243	115.00	116.00	1.00		.3	149	9	48
			780244	116.00	117.00	1.00	<5	<.2	17	8	38



LEGEND

OVBN	Overburden
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RHYL	Rhyolite
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ITT	Intermediate tuff
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MMZ	Main mineralized zone
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FAZ	Fracture / alteration zone

Assay (Zn only >100 ppm)
210 1.00 Zinc (ppm) over 1.00m

SCALE
0 50 100
metres

CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-04

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Drill Hole: HAL01-05

Northing: -40
Easting: -700
Elevation: 0

*** Dip Tests ***

Depth	Azi.	Dip
50	184.2	-45.1
101	180.0	-44.5
152	180.0	-44.1

Collar Azi.: 180.0
Collar Dip: -45.0

Hole length: 152.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex

41P14NE2012 2.25718 MIDLOTHIAN 060

Comments: Drilled south of Teddy Lake
Logged by: P. Caldbick, 2001
Date(s) logged: February 07, 2001
Purpose: Test contact Quantec RSIP anomaly
Core storage: Moneta core facility, Timmins

Project: Halliday Dome
Property: Midlothian\Halliday
Claim: Lease 103655 (CLM 257)
Northing: 0+40 S
Easting: L 7+00 W
GPS Northing:
GPS Easting:
Date Started: February 06, 2001
Date completed: February 07, 2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 780245-281
Lab A report: T01-57058.0
Lab B:
Sample series B:
Lab B report:

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	1.00	OVERBURDEN CASING to 2.0 metre.									
1.00	3.90	RHYOLITE Light green, fine grained, sericitic, weakly chloritic with localized fractures infilled with chlorite, weakly foliated with foliation at 50 degrees to core axis. Unit possesses approximately 2 to 3% disseminated pyrite localized within fractures parallel to foliation, scattered fractures stained with limonite. Sharp foot wall contact at 75 degrees to core axis. 1.00 2.50 2 to 3% patchy disseminations of pyrite throughout sericitized tuff. 2.50 4.00 Same as above.	780245 780246	1.00 2.50	2.50 4.00	1.50 1.50	 16	<.2 <.2	32 36	7 4	301 109
3.90	9.20	BLOCK TUFF Light grey, medium grained to coarse grained, predominantly silicified, locally chloritic and sericitic brecciated block tuff with subangular to subrounded fragments within brecciated matrix. Unit moderately foliated with foliation at 60 degrees to core axis, unit possesses millrock texture with overprinting of wispy sericitic patches throughout. Approximately 0.5 to 1% finely disseminated pyrite throughout, sharp foot wall contact at 60 degrees to core axis.									
9.20	13.50	INTERMEDIATE TUFF Light grey, fine grained, predominantly silicified, weakly chloritic and									

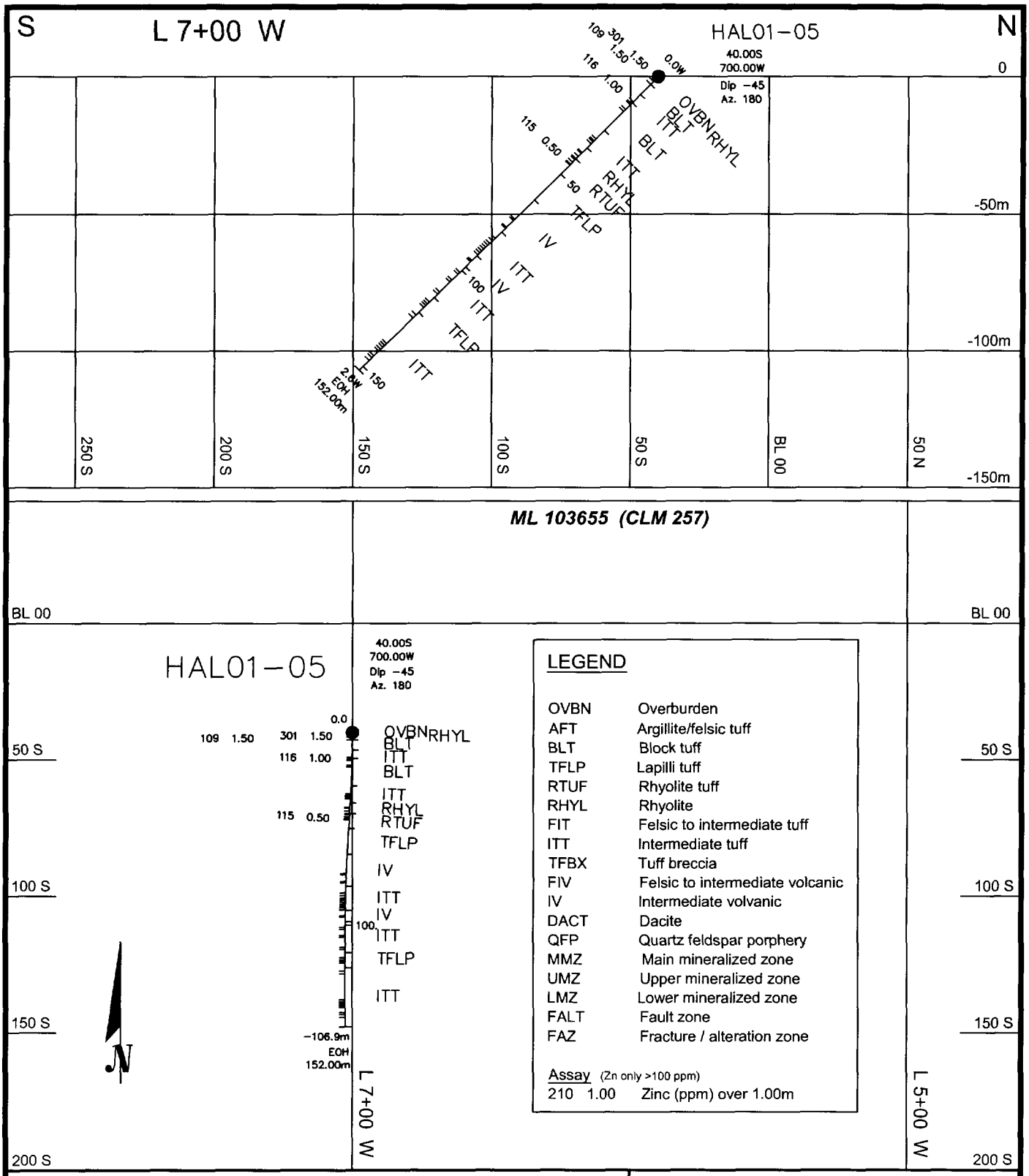
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		sericitic, massive, homogenous weakly foliated slightly tuffaceous unit with foliation at 50 degrees to core axis. Unit possesses numerous fractures infilled with chlorite and approximately 1 to 2% finely disseminated pyrite. At 13.1 4 cm quartz vein parallel to core axis with trace pyrite, at 13.5 1 cm barren quartz stringer at 45 degrees to core axis localized at foot wall contact 13.00 14.00 3 cm an.	780247	13.00	14.00	1.00		.3	28	5	116
13.50	27.70	BLOCK TUFF Light grey to yellow-brown, medium grained to coarse grained, predominantly sericitic with intercalated silicified and chloritic sections, localized block sized rounded to subrounded fragments and clasts throughout. Unit moderately foliated with foliation at 50 degrees to core axis, approximately 1 to 2% finely disseminated pyrite localized within chloritic fractures parallel degrees to core axis. Unit relatively unaltered and pristine with yellow-brown sericitized tuffaceous fragments within silicified and chloritic brecciated matrix. At 13.9 10 cm quartz vein at 60 degrees to core axis with trace pyrite, at 15.2 6 cm quartz vein at 70 degrees to core axis rimmed with approximately 1 to 2% finely disseminated pyrite. At 17.8 8 cm quartz vein at 80 degrees to core axis with approximately 1 to 2% finely disseminated pyrite within chloritic xenoliths, sharp foot wall contact at 50 degrees to core axis.									
		14.00 14.60 2 to 3% patchy disseminations of pyrite throughout sericitized and silicified wallrock.	780248	14.00	14.60	.60		.4	27	4	51
		17.00 18.00 Localized 10k.	780249	17.00	18.00	1.00		<.2	31	5	90
27.70	36.50	INTERMEDIATE TUFF Light grey to light green, fine grained, strongly foliated with foliation at 50 degrees to core axis, predominantly silicified, locally sericitic, weakly chloritic relatively homogenous tuffaceous unit. Approximately 2 to 3% finely disseminated pyrite occurring as wisps and bands aligned parallel to foliation. At 33.3 5 cm quartz vein at 50 degrees to core axis with 1 to 2% finely disseminated pyrite within surrounding sericitized wallrock. At 34.2 10 cm quartz vein at 40 degrees to core axis with 1 to 2% finely disseminated pyrite within surrounding wallrock. Sharp foot wall contact at 60 degrees to core axis.									
		32.00 33.00 2 to 3% finely disseminated pyrite occurring as segregated bands parallel to foliation.	780250	32.00	33.00	1.00		<.2	36	4	24
		33.00 33.50 10 cm quartz vein at 50 degrees to core axis with approximately 1 to 2% finely disseminated pyrite throughout sericitized wallrock.	780251	33.00	33.50	.50		<.2	34	6	55
		33.50 34.50 10 cm quartz vein at 40 degrees to core axis with approximately 1 to 2% finely disseminated pyrite throughout sericitized wallrock.	780252	33.50	34.50	1.00		.6	36	8	67
36.50	42.20	RHYOLITE Light green, fine grained, sericitic, weakly silicified, homogenous moderately foliated tuffaceous unit with foliation at 50 degrees to core axis unit locally reddish-pink with probable potassic alteration. Approximately 2 to 3% disseminated pyrite occurring as segregated patches throughout unit.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Sharp foot wall contact at 70 degrees to core axis.									
		39.00 39.50 3 to 4% patchy disseminations of pyrite throughout sericitized tuff.	780253	39.00	39.50	.50		.3	17	<2	62
		39.50 41.00 2 to 3% disseminated pyrite localized within chloritic fractures and bands parallel to foliation within sericitized tuff.	780254	39.50	41.00	1.50		<.2	18	<2	62
		41.00 42.20 Same as above.	780255	41.00	42.20	1.20	<5	<.2	29	<2	69
42.20	50.00	RHYOLITE TUFF									
		Dark grey to light green, fine grained to medium grained, predominantly silicified, locally sericitic and chloritic, intercalated lapilli tuffaceous sections and block sized and to subangular sericitized fragments within silicified brecciated matrix.									
		Unit moderately foliated with foliation at 60 degrees to core axis, approximately 1 to 2% finely disseminated pyrite throughout unit, sharp foot wall contact at 60 degrees to core axis.									
		At 42.5 6 cm quartz vein at 70 degrees to core axis with approximately 1 to 2% finely disseminated pyrite within surrounding wallrock.									
		From 45.0 to 45.4 slightly folded quartz vein subparallel degrees to core axis with styolites infilled with chlorite, vein possesses fault gouge at foot wall contact, approximately 1 to 2% finely disseminated pyrite within wallrock xenoliths.									
		42.20 42.80 6 cm quartz vein at 70 degrees to core axis with approximately 1 to 2% disseminated pyrite at vein contacts.	780256	42.20	42.80	.60		.3	31	5	43
		42.80 44.00 Approximately 1 to 2% disseminated pyrite within chloritic and silicified brecciated matrix.	780257	42.80	44.00	1.20		.3	22	4	59
		44.00 45.00 2 to 3% finely disseminated pyrite throughout slightly sheared tuffaceous unit.	780258	44.00	45.00	1.00		3.0	22	21	53
		45.00 45.50 Approximately 1 to 2% finely disseminated pyrite within folded quartz vein subparallel to core axis.	780259	45.00	45.50	.50	<5	.8	33	<2	115
50.00	63.40	LAPILLI TUFF									
		Dark grey, fine grained to medium grained, chloritic, silicified intermediate massive, homogenous weakly foliated unit mottled with carbonatized scoriaceous lapilli.									
		Lapilli aligned parallel to weakly developed foliation at 50 degrees to core axis, at 52.0 8 cm quartz vein at 75 degrees to core axis rimmed with chlorite and 1 to 2% finely disseminated pyrite.									
		Scattered quartz stringers throughout at varying angles from 50 to parallel to core axis, gradational foot wall contact at 50 degrees to core axis marked by loss of lapilli.									
63.40	80.00	INTERMEDIATE VOLCANIC									
		Dark grey, fine grained, massive, homogenous, silicified, chloritic with scattered localized bleached sericitized sections throughout.									
		Unit intermediate in composition with higher ferromagnesian content, weakly foliated with foliation at 50 degrees to core axis.									
		Approximately 0.5 to 1% finely disseminated pyrite, scattered quartz stringers throughout at 40 to 50 degrees to core axis.									
		From 74.4 to 74.9 10 cm and 23 cm white quartz veins at 40 and 70 degrees to core axis with chloritic flakes and approximately 0.5 to 1% patchy chalcopyrite localized at vein contacts, approximately 1 to 2% finely disseminated pyrite within sericitized wallrock.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		At 77.8 10 cm quartz vein at 70 degrees to core axis with approximately 0.5 to 1% finely disseminated pyrite within wallrock, gradational foot wall contact at 80 degrees to core axis.									
		73.30 74.00 10 cm aconts.	780260	73.30	74.00	.70		<.2	35	<2	50
		77.50 78.00 10 cm quartz vein at 75 degrees to core axis, 0.5 to 1% finely disseminated pyrite within wallrock.	780261	77.50	78.00	.50		.2	29	4	74
80.00	92.40	INTERMEDIATE TUFF									
		Light grey, fine grained, massive, homogenous, locally tuffaceous, slightly more pervasive sericitic alteration throughout, network of fractures infilled with chlorite.									
		Unit probably rhyo-dacitic in composition, weakly foliated with foliation at 60 degrees to core axis.									
		More tuffaceous sections speckled with chloritic flakes and subhedral quartz phenocrysts, scattered quartz veins throughout at 40 to 60 degrees to core axis.									
		Approximately 1 to 2% finely disseminated pyrite throughout unit, from 90.0 to 91.0 unit grey-buff, mottled with feldspar phenocrysts, possible porphryry, though no sharp contacts.									
		Gradational foot wall contact at 80 degrees to core axis.									
		At 83.4 3 cm quartz vein at 50 degrees to core axis with 0.5 to 1% finely disseminated pyrite, at 83.9 3 cm quartz vein at 50 degrees to core axis with trace pyrite.									
		At 86.0 20 cm quartz vein at 80 degrees to core axis within sericitized alteration zone and possessing sericitized xenoliths, approximately 1 to 2% finely disseminated pyrite within wallrock.									
		At 90.3 30 cm quartz vein at 30 degrees to core axis within sericitized porphryry, vein possesses sericitized xenoliths, trace sulphide.									
		At 91.6 20 cm quartz vein at 30 degrees to core axis with fine acicular blades of tourmaline, 0.5 to 1% patchy chalcopyrite localized at vein contacts.									
		83.30 84.70 3 dispck.	780262	83.30	84.70	1.40		<.2	17	<2	83
		86.00 87.00 12 cm quartz vein at 80 degrees to core axis with approximately 0.5 to 1% finely disseminated pyrite throughout wallrock.	780263	86.00	87.00	1.00		<.2	45	<2	71
		87.00 88.00 3 cm quartz vein at 80 degrees to core axis, trace pyrite.									
		87.00 90.00 0.5 to 1% finely disseminated pyrite throughout silicified and sericitized wallrock.	780264	87.00	88.00	1.00		<.2	15	<2	74
			780266	87.00	90.00	3.00		<.2	8	<2	99
		88.00 89.00 Scattered quartz stringers at 30 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout wallrock.	780265	88.00	89.00	1.00		<.2	12	<2	81
		90.00 91.00 30 cm quartz vein at 40 degrees to core axis with sericitized xenoliths, trace sulphide.	780267	90.00	91.00	1.00		<.2	9	<2	67
		91.00 92.00 20 cm quartz tourmaline vein with 0.5 to 1% patchy chalcopyrite.	780268	91.00	92.00	1.00	<5	<.2	8	<2	64
92.40	98.10	INTERMEDIATE VOLCANIC									
		Dark grey, fine grained to medium grained, massive, homogenous, chloritic, silicified, unit mottled with diffuse carbonatized feldspar phenocrysts.									
		Weakly foliated with foliation at 50 degrees to core axis, trace sulphide throughout unit, gradational foot wall contact at 60 degrees to core axis.									
		At 95.2 35 cm quartz tourmaline vein at 40 degrees to core axis, vein possesses sericitized xenoliths, acicular needles of tourmaline and approximately 0.5 to 1% patchy chalcopyrite throughout.									
		95.00 95.60 35 cm quartz tourmaline vein at 40 degrees to core axis with	780269	95.00	95.60	.60		<.2	12	<2	45

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		approximately 0.5 to 1% patchy chalcopyrite.									
98.10	114.10	INTERMEDIATE TUFF Light grey to grey-buff, fine grained, massive, moderately foliated, pervasive sericitic alteration, slightly sericitic and silicified, locally tuffaceous texture. Unit probably rhyo-dacitic in composition, foliation at 50 degrees to core axis, localized networks of chlorite infilled fractures. Approximately 0.5 to 1% finely disseminated pyrite throughout unit, localized intercalated sericitized bleached alteration zones throughout. At 101.2 10 cm barren quartz vein at 50 degrees to core axis, at 101.6 24 cm quartz tourmaline vein at 65 degrees to core axis with sericitic xenoliths, approximately 1 to 2% patchy chalcopyrite throughout vein. At 105.1 3 cm quartz vein parallel to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout sericitized wallrock. At 111.5 70 cm quartz vein at 70 degrees to core axis, scattered sericitized xenoliths and fractures infilled with chlorite, approximately 0.5 to 1% patchy chalcopyrite. Gradational foot wall contact at 80 degrees to core axis. 101.00 102.00 24 cm quartz tourmaline vein at 65 degrees to core axis with sericitized xenoliths and approximately 0.5 to 1% patchy chalcopyrite. 105.00 106.00 4 disprock. 111.20 112.30 70 cm q1% patchy chalcopyrite.	780270 780271 780272	101.00 105.00 111.20	102.00 106.00 112.30	1.00 1.00 1.10	<5	<.2 <.2 <.2	38 39 134	<2 2 <2	60 83 56
114.10	121.90	LAPILLI TUFF Dark grey, medium grained, silicified, chloritic, massive, homogenous unit mottled with carbonatized phenocrysts, weakly foliated with foliation at 70 degrees to core axis. Unit possesss scoriaceous lapilli throughout with scattered quartz veins subparallel to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout. From 116.8 to 117.4 50 cm quartz vein subparallel to core axis, trace sulphide noted. From 118.5 to 119.3 localized fault zone with fault gouge and fractures subparallel to core axis. Gradational foot wall contact at 75 degrees to core axis. 116.50 117.50 50 cm quartz vein subparallel to core axis, trace sulphide. 118.30 119.30 Fault zone with fragmenteds vein parallel to core axis, trace sulphide.	780273 780274	116.50 118.30	117.50 119.30	1.00 1.00	<5	.3 <.2	13 35	<2 <2	52 61
121.90	152.00	INTERMEDIATE TUFF Dark grey to light green, fine grained to medium grained, locally massive and homogenous to locally tuffaceous, intercalated sericitized and chloritic, silicified sections. Sericitized bleached sections relatively massive and homogenous and weakly tuffaceous, dark grey chloritic sections generally mottled with carbonatized lapilli. Weakly developed foliation throughout with foliation at 50 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout unit. At 123.7 20 cm quartz vein at 40 degrees to core axis, trace sulphide.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		At 138.7 3 cm quartz vein subparallel to core axis with approximately 0.5 to 1% finely disseminated pyrite within sericitized wallrock.									
		At 138.4 20 cm quartz tourmaline vein at 40 degrees to core axis with acicular blades of tourmaline, trace pyrite.									
		From 139.2 to 139.5 30 cm quartz vein at 75 degrees to core axis with sericitized xenoliths and approximately 0.5 to 1% scattered patchy chalcopyrite and pyrite.									
		At 140.4 23 cm milky white quartz vein at 50 degrees to core axis with approximately 0.5 to 1% patchy pyrite throughout.									
		From 141.2 to 141.9 70 cm milky white quartz vein at 75 degrees to core axis with approximately 1 to 2% scattered patchy pyrite on broken surfaces.									
		At 145.0 15 cm quartz tourmaline vein at 75 degrees to core axis, trace sulphide									
		123.30 124.80 20 cm quartz vein at 40 degrees to core axis, 3 to 4% localized bands of disseminated pyrite within sericitized wallrock.	780275	123.30	124.80	1.50	<5	<.2	31	<2	58
		138.00 139.00 20 cm quartz tourmaline vein at 40 degrees to core axis with trace pyrite.	780276	138.00	139.00	1.00		<.2	15	<2	59
		139.00 140.00 30 cm quartz tourmaline vein at 75 degrees to core axis with approximately 0.5 to 1% patchy chalcopyrite.	780277	139.00	140.00	1.00		<.2	18	<2	71
		140.00 141.00 20 cm quartz vein at 50 degrees to core axis with approximately 0.5 to 1% scattered patchy pyrite.	780278	140.00	141.00	1.00		<.2	18	2	69
		141.00 142.00 70 cm quartz vein at 75 degrees to core axis with approximately 1 to 2% scattered patchy pyrite throughout.	780279	141.00	142.00	1.00		.2	13	2	34
		144.50 145.50 15 cm quartz tourmaline vein at 75 degrees to core axis with trace pyrite.	780280	144.50	145.50	1.00	<5	<.2	23	<2	58
		145.50 147.00 3 to 4% disseminated pyrite localized within fractures and bands parallel to foliation.	780281	145.50	147.00	1.50		.2	29	<2	68
152.00		END OF HOLE									



CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-05

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Northing:	20
Easting:	-1100
Elevation:	0
Collar Azi.:	180.0
Collar Dip:	-52.0
Hole length:	482.00
Units:	Metric
Core size:	NQ
Grid:	Metric '00
Materials left:	Casing
Collar survey:	No
DH Survey method:	Reflex
Comments:	Drilled southeast of Two Lodge Lake
Logged by:	P. Caldbick, Feb 15, 2001
Date(s) logged:	February 13 TO 16, 2001
Purpose:	Test main southern Quantec RSIP anomaly
Core storage:	Moneta core facility, Timmins

*** Dip Tests ***

Depth	Azi.	Dip
50	178.6	-51.7
101	179.4	-50.7
161	180.9	-50.6
200	180.0	-50.6
251	182.3	-50.8
300	183.0	-50.5
350	185.7	-50.1
401	186.4	-49.1
452	188.9	-48.8
482	189.0	-48.0

Drill Hole:	HAL01-06
Project:	Halliday Dome
Property:	Midlothian\Halliday
Claim:	L 103655 (CLM 257)
Northing:	0+20 N
Easting:	L 11+00 W
GPS Northing:	
GPS Easting:	
Date Started:	February 08, 2001
Date completed:	February 13, 2001
Drilled by:	Norex
Sample type:	Cut core
Analyses:	Au FA, 34 element ICP
Lab A:	Bondar-Clegg
Sample series A:	780282-364
Lab A report:	T01-57059.0/61.0
Lab B:	
Sample series B:	
Lab B report:	

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	15.00	OVERBURDEN CASING to 15.0 metre.									
15.00	51.80	RHYOLITE Light green, fine grained, pervasive sericitic alteration, locally silicified and chloritic with fractures infilled with chlorite, weakly foliated with foliation at 50 degrees to core axis. Unit possesses localized lapilli texture with angular to subangular quartz phenocrysts aligned parallel to foliation and scoriaceous carbonatized feldspar phenocrysts. Unit further possesses approximately 2 to 3% pyrite throughout occurring as patchy disseminations, blebs and infilled fractures. Scattered quartz stringers throughout varying in orientation from 80 degrees to core axis to subparallel to core axis. From 26.0 to 27.0 section with numerous fractures infilled with finely disseminated pyrite, approximately 6 to 7% localized disseminated pyrite. From 32.0 to 33.5 section with approximately 5 to 6% patchy disseminations of pyrite, localized vuggy weathered fracture at 32.9 metre. From 39.3 to 43.2 strongly fractured section, probable fault zone with numerous rusted weathered fractures at 40 degrees to core axis. Gradational foot wall contact at 60 degrees to core axis. 20.00 21.50 4 to 5% patchy disseminations of pyrite throughout sericitized RHYOLITE. 26.00 27.50 5 to 6% disseminated and patchy disseminations of pyrite throughout sericitized RHYOLITE.	780282 780283	20.00 26.00	21.50 27.50	1.50 1.50	<5	.4 .5	29 32	3 3	30 56

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		32.00 33.60 6 to 7% patchy disseminations of pyrite throughout sericitized RHYOLITE.	780284	32.00	33.60	1.60		.2	30	2	28
51.80	61.60	LAPILLI TUFF Light green, medium grained, sericitized, massive, homogenous, weakly foliated with foliation at 60 degrees to core axis, unit mottled with carbonatized scoriaceous lapilli. Scattered quartz stringers throughout at 20 to 30 degrees to core axis, approximately 1 to 2% disseminated pyrite localized within chloritic fractures. Sharp foot wall contact at 50 degrees to core axis.									
61.60	72.90	BLOCK TUFF Dark grey, medium grained to coarse grained, chloritic, silicified moderately foliated dacitic block tuff possessing angular to subangular cherty, chloritic and sericitized lapilli tuffaceous fragments within brecciated silicified and chloritic matrix. Unit moderately foliated with foliation at 50 degrees to core axis and mottled with carbonatized feldspar phenocrysts, approximately 0.5 to 1% finely disseminated pyrite throughout. 64.30 To 65.0 localized fault zone with fractures parallel to core axis, trace sulphide. From 71.3 to 72.5 light green sericitized block tuffaceous fragment at 20 degrees to core axis. Sharp foot wall contact at 25 degrees to core axis. 62.00 63.40 Brecciated silicified and chloritic BLOCK TUFF, 0.5 to 1% patchy disseminations of pyrite.	780285	62.00	63.40	1.40		.2	36	7	80
72.90	76.20	LAPILLI TUFF Dark grey, medium grained, chloritic, silicified lapilli tuffaceous unit mottled with carbonatized feldspar lapilli. Unit weakly foliated with foliation at 60 degrees to core axis, at 75.3 localized semi-massive pyrite occurring within wisps parallel to foliation, approximately 3 to 4%. Sharp foot wall contact at 40 degrees to core axis. 75.00 76.20 4 to 5% localized disseminated wisps of pyrite within dacitic LAPILLI TUFF.	780286	75.00	76.20	1.20		<.2	45	7	70
76.20	78.40	BLOCK TUFF Dark grey, medium grained to coarse grained, chloritic, silicified, moderately foliated with foliation at 50 degrees to core axis, angular to subangular sericitized lapilli tuffaceous fragments within chloritic, silicified matrix. Unit possesses approximately 4 to 5% finely disseminated pyrite throughout matrix, sharp foot wall contact at 70 degrees to core axis. 76.20 77.50 2 to 3% disseminated pyrite within dacitic BLOCK TUFF. 77.50 79.00 4 to 5% disseminated pyrite within dacitic BLOCK TUFF.	780287 780288	76.20 77.50	77.50 79.00	1.30 1.50		<.2 <.2	26 30	9 6	71 74
78.40	86.20	RHYOLITE TUFF Light green, fine grained, moderately foliated with foliation at 50 degrees to core axis, sericitized tuffaceous rhyolite mottled with subangular quartz phenocrysts, unit possesses network of fractures infilled with chlorite. Unit possesses localized semi-massive concentration of pyrite from 80.3 to									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		81.3, approximately 15 to 20% occurring as patchy disseminations. From 81.5 to 86.0 unit possesses numerous quartz chlorite veins within sericitized tuffaceous wallrock which possesses network of fractures infilled with approximately 4 to 5% disseminated pyrite. At 81.5 10 cm quartz chlorite vein at 30 degrees to core axis rimmed with approximately 2 to 3% disseminated pyrite. At 82.2 10 cm quartz chlorite vein at 70 degrees to core axis rimmed with approximately 2 to 3% disseminated pyrite. At 82.5 10 cm quartz chlorite vein at 40 degrees to core axis rimmed with chlorite, approximately 4 to 5% disseminated pyrite localized at vein contacts. At 83.3 70 cm quartz chlorite vein subparallel to core axis, approximately 4 to 5% disseminated pyrite and localized patch of sphalerite at 83.5 metre. At 86.0 10 cm quartz chlorite vein at 75 degrees to core axis with localized patch of sphalerite. At 86.2 gradational foot wall contact at 60 degrees to core axis.									
		79.00 80.00 3 to 4% disseminated pyrite localized within chloritic fractures within sericitized tuff.	780289	79.00	80.00	1.00		<.2	26	<2	30
		80.00 81.00 15 to 20% semi-massive patches of disseminated pyrite within sericitized tuff.	780290	80.00	81.00	1.00		<.2	23	3	100
		81.00 82.00 10 cm quartz chlorite vein at 30 degrees to core axis with 3 to 4% disseminated pyrite localized within fractures throughout wallrock.	780291	81.00	82.00	1.00	<5	<.2	22	<2	33
		82.00 83.00 2 10 cm quartz chlorite veins at 80 degrees to core axis with 2 to 3% disseminated pyrite localized within fractures throughout altered wallrock.	780292	82.00	83.00	1.00		<.2	27	<2	49
		83.00 83.50 10 cm portion of 70 cm quartz chlorite vein with 2 to 3% disseminated pyrite throughout wallrock.	780293	83.00	83.50	.50		<.2	11	<2	37
		83.50 84.00 60 cm portion of quartz chlorite vein with 4 to 5% disseminated pyrite within wallrock and patch of sphalerite localized at 83.6.	780294	83.50	84.00	.50		<.2	73	2	56
		84.00 85.00 3 to 4% disseminated pyrite throughout sericitized tuffaceous wallrock.	780295	84.00	85.00	1.00		<.2	26	<2	75
		85.00 85.50 5 cm quartz chlorite vein at 40 degrees to core axis, approximately 3 to 4% disseminated pyrite localized within fractures within altered wallrock.	780296	85.00	85.50	.50		<.2	27	<2	45
		85.50 86.10 10 cm quartz chlorite vein at 30 degrees to core axis with approximately 2 to 3% disseminated pyrite throughout wallrock and localized patch of sphalerite.	780297	85.50	86.10	.60	<5	<.2	25	<2	59
		86.10 87.00 2 to 3% disseminated pyrite throughout altered sericitized wallrock.	780298	86.10	87.00	.90		<.2	32	<2	45
86.20	88.30	LAPILLI TUFF Light green, fine grained to medium grained, sericitized, silicified, locally chloritic, massive, mottled with carbonatized feldspar phenocrysts. Unit possesses approximately 4 to 5% finely disseminated pyrite localized within chloritic fractures, sharp foot wall contact at 50 degrees to core axis.									
		87.00 88.00 4 to 5% disseminated pyrite localized within chloritic fractures throughout sericitized wallrock.	780299	87.00	88.00	1.00		<.2	22	<2	50
88.30	105.50	BLOCK TUFF Light green, fine grained to medium grained, sericitic, chloritic, moderately foliated with foliation at 50 degrees to core axis, unit admixture of localized BLOCK TUFF with rounded sericitized fragments and sericitized tuffaceous sections.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Unit further possesses localized lapilli tuffaceous sections, rare quartz stringers throughout at 30 degrees to core axis, approximately 3 to 4% localized disseminated pyrite notably from 89.0 to 92.0. Singular 20 cm quartz chlorite vein at 70 degrees to core axis localized at foot wall contact with 3 to 4% disseminated pyrite within hanging wall wallrock. Sharp foot wall contact at 70 degrees to core axis.									
		89.50 91.00 5 to 6% segregated bands and patchy disseminations of pyrite throughout sericitized tuff.	780300	89.50	91.00	1.50		<.2	28	<2	50
		91.00 92.00 Same as above.	780301	91.00	92.00	1.00	<5	<.2	35	<2	63
		104.00 105.00 1 to 2% finely disseminated pyrite throughout sericitized tuff, bracket sample.	780302	104.00	105.00	1.00		<.2	29	<2	70
		105.00 105.50 20 cm quartz chlorite vein at 75 degrees to core axis with 5 to 6% finely disseminated pyrite throughout surrounding wallrock.	780303	105.00	105.50	.50	<5	<.2	28	4	56
105.50	110.50	RHYOLITE TUFF									
		Light grey to dark green, fine grained to medium grained, moderately foliated with foliation at 60 degrees to core axis, predominantly chloritic, locally sericitic and silicified more rhyo-dacitic in composition. Unit possesses intercalated lapilli tuffaceous sections and bleached sericitized tuff mottled with chlorite phenocrysts. Trace sulphide noted gradational foot wall contact at 50 degrees to core axis.									
		105.50 107.00 Bracket sample, trace pyrite.	780304	105.50	107.00	1.50		<.2	24	<2	86
110.50	115.00	LAPILLI TUFF									
		Dark green, fine grained to medium grained, predominantly chloritic, locally sericitic rhyo-dacitic lapilli tuffaceous unit mottled with carbonatized feldspar lapilli. Unit possesses approximately 3 to 4% localized bands of disseminated pyrite parallel to foliation, foliation at 50 degrees to core axis. Sharp foot wall contact at 40 degrees to core axis.									
		113.00 114.00 2 to 3% localized bands of disseminated pyrite within lapilli tuff	780305	113.00	114.00	1.00		<.2	33	<2	78
		114.00 115.00 3 to 4% disseminated pyrite localized within fractures parallel to foliation within lapilli tuff.	780306	114.00	115.00	1.00		<.2	45	<2	58
115.00	122.80	UPPER MINERALIZED ZONE									
		Light green to light grey, medium grained to coarse grained, sericitic, chloritic, silicified unit comprised of intercalated sericitized tuffaceous sections, chloritic lapilli tuffaceous sections and scattered subrounded sericitized and cherty fragments throughout. Unit possesses approximately 5 to 6% patchy disseminations of pyrite and numerous fractures infilled with finely disseminated pyrite. Moderately foliated with foliation at 50 degrees to core axis, unit further possesses segregated bands of pyrite parallel to foliation. Unit predominantly rhyolitic in composition, sharp foot wall contact at 60 degrees to core axis.									
		115.00 116.00 Sericitized and silicified brecciated alteration zone with approximately 2 to 3% finely disseminated pyrite throughout.	780307	115.00	116.00	1.00		<.2	40	3	27
		116.00 117.00 4 to 5% patchy disseminations of pyrite throughout sericitized and lapilli tuff.	780308	116.00	117.00	1.00		<.2	39	<2	64
		117.00 118.00 Same as above.	780309	117.00	118.00	1.00		<.2	26	2	43
		118.00 119.00 3 to 4% patchy disseminations of pyrite throughout sericitized	780310	118.00	119.00	1.00		<.2	50	3	53

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		tuff.									
		119.00 120.50 6 to 7% patchy disseminations of pyrite throughout sericitized tuff.	780311	119.00	120.50	1.50		<.2	28	3	48
		120.50 122.00 8 to 10% finely disseminated and patchy disseminations of pyrite throughout sericitized tuff.	780312	120.50	122.00	1.50	<5	<.2	35	3	24
		122.00 122.80 4 to 5% segregated bands of pyrite parallel to foliation.	780313	122.00	122.80	.80		<.2	38	4	25
122.80	131.40	LAPILLI TUFF Dark grey, fine grained to medium grained, moderately foliated, chloritic and silicified dacitic lapilli tuffaceous unit mottled with carbonatized lapilli. Unit moderately mineralized with approximately 3 to 4% patchy disseminations and segregated bands of pyrite parallel to moderately developed foliation at 60 degrees to core axis. At 126.8 6 cm quartz chlorite vein at 80 degrees to core axis rimmed with 2 to 3% disseminated pyrite. Sharp foot wall contact at 30 degrees to core axis.									
		122.80 124.00 4 to 5% finely disseminated and segregated bands of pyrite throughout dacitic lapilli tuff.	780314	122.80	124.00	1.20		<.2	43	4	17
		124.00 125.00 Same as above.	780315	124.00	125.00	1.00		<.2	29	4	22
		125.00 126.50 Same as above.	780316	125.00	126.50	1.50		.9	33	6	22
		126.50 127.00 6 cm quartz chlorite vein at 80 degrees to core axis with 4 to 5% disseminated pyrite within surrounding wallrock.	780317	126.50	127.00	.50		1.9	58	8	28
131.40	133.40	ALTERATION ZONE Light green to dark grey, medium grained to coarse grained, sericitized, silicified and locally chloritic altered block tuff possessing angular to subangular sericitized and argillaceous fragments within chloritic matrix. Unit possesses intercalated chloritic lapilli tuffaceous sections and 2 disparate quartz chlorite veins. At 132.7 20 cm quartz chlorite vein at 70 degrees to core axis with trace pyrite, at 133.1 10 cm quartz chlorite vein at 70 degrees to core axis with 3 to 4% disseminated pyrite localized at vein contacts. Approximately 2 to 3% disseminated pyrite throughout unit, sharp foot wall contact at 40 degrees to core axis.									
		132.00 132.50 1 to 2% finely disseminated pyrite, bracket sample.	780318	132.00	132.50	.50		.3	65	6	39
		132.50 133.00 20 cm quartz chlorite vein at 70 degrees to core axis, trace sulphide.	780319	132.50	133.00	.50	<5	<.2	41	3	33
		133.00 133.50 10 cm quartz chlorite vein at 75 degrees to core axis with 2 to 3% disseminated pyrite localized at vein contacts.	780320	133.00	133.50	.50		<.2	25	<2	51
133.40	143.20	RHYOLITE Light green, fine grained to medium grained, massive, homogenous, weakly foliated with foliation at 60 degrees to core axis, predominantly sericitic, silicified, locally chloritic. Unit characterized as fine grained ash tuff with quartz phenocrysts and scattered chlorite infilled fractures throughout. Approximately 1 to 2% disseminated pyrite localized within fractures, sharp foot wall contact at 60 degrees to core axis.									
		133.50 134.00 2 to 3% disseminated pyrite, bracket sample.	780321	133.50	134.00	.50		<.2	24	<2	50
		134.00 134.50 3 to 4% disseminated pyrite localized within fractures parallel to foliation.	780322	134.00	134.50	.50		<.2	44	4	39

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
143.20	147.10	LAPILLI TUFF Dark grey, medium grained, predominantly chloritic, silicified, moderately foliated with foliation at 60 degrees to core axis, unit mottled with carbonatized feldspar lapilli. Unit more dacitic in composition approximately 1 to 2% finely disseminated pyrite throughout, sharp foot wall contact at 35 degrees to core axis.									
147.10	154.50	RHYOLITE TUFF Dark grey, fine grained, moderately foliated with foliation at 60 degrees to core axis, chloritic, silicified, locally sericitic MINERALIZED DACITIC tuff SIMILAR to unit at 122.8 metre. Unit possesses approximately 4 to 5% finely disseminated and segregated bands of pyrite parallel to foliation, possible second Upper Mineralized Zone. Gradational foot wall contact at 40 degrees to core axis.									
		149.00 150.50 2 to 3% finely disseminated pyrite throughout dacitic tuff.	780323	149.00	150.50	1.50		.4	34	3	23
		150.50 152.00 5 to 6% finely disseminated and segregated bands of pyrite parallel to foliation within dacitic tuff.	780324	150.50	152.00	1.50		.3	43	5	21
		152.00 153.50 Same as above.	780325	152.00	153.50	1.50		<.2	36	5	21
		153.50 155.00 Same as above.	780326	153.50	155.00	1.50		<.2	38	3	25
154.50	165.30	BLOCK TUFF Light green to light grey, medium grained to coarse grained, sericitic, silicified and locally chloritic, moderately foliated with foliation at 60 degrees to core axis. Unit possesses subrounded to rounded block sized sericitized tuffaceous fragments and cherty silicified fragments throughout within chloritic lapilli tuffaceous matrix. From 154.5 to 160.0 unit strongly mineralized with approximately 6 to 7% disseminated pyrite. Sharp foot wall contact at 50 degrees to core axis.									
		155.00 156.50 Same as above with sericitized tuffaceous fragments.	780327	155.00	156.50	1.50		<.2	37	2	31
		156.50 158.00 6 to 7% disseminated pyrite localized along chlorite infilled fractures.	780328	156.50	158.00	1.50		<.2	37	3	28
		158.00 159.50 Same as above.	780329	158.00	159.50	1.50	<5	<.2	38	5	25
		161.70 163.00 6 to 7% disseminated pyrite localized along chloritic fractures within block tuff.	780330	161.70	163.00	1.30		.5	71	5	22
		163.00 164.00 Same as above.	780331	163.00	164.00	1.00		.8	61	4	20
165.30	172.70	LAPILLI TUFF Dark grey, fine grained to medium grained, chloritic, locally sericitic and silicified, moderately foliated with foliation at 60 degrees to core axis, lapilli tuffaceous dacitic unit with carbonatized lapilli throughout. Scattered diffuse sericitized rounded fragments throughout, approximately 0.5 to 1% finely disseminated pyrite, sharp foot wall contact at 40 degrees to core axis.									
172.70	185.60	BLOCK TUFF Dark grey to light green, medium grained to coarse grained, predominantly silicified, chloritic and locally sericitic, moderately foliated with foliation at 50 degrees to core axis.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Unit ryho-dacitic in composition with diffuse sericitized and cherty block sized fragments within brecciated silicified and chloritic matrix. Overprinting of sericitic alteration throughout occurring as segregated wisps parallel to foliation. Approximately 1 to 2% patchy disseminations of pyrite throughout unit, localized fault gouge at 183.5 at 40 degrees to core axis, rare quartz veins and quartz stringers at 40 degrees to core axis. Sharp foot wall contact at 50 degrees to core axis.									
		177.50 179.00 1 to 2% disseminated pyrite throughout sericitized and silicified alteration zone.	780332	177.50	179.00	1.50	<5	.5	36	4	19
185.60	207.40	LAPILLI TUFF									
		Dark grey, fine grained to medium grained, predominantly chloritic and silicified with localized sericitic alteration, moderately foliated with foliation at 50 degrees to core axis. Unit mottled with carbonatized lapilli throughout and possesses chloritic diagenetically altered fractures resembling pillow selvages. From 195.0 to 207.4 unit becomes strongly mineralized with approximately 6 to 7% finely disseminated pyrite localized within fractures and occurring as segregated bands parallel to foliation. Sharp foot wall contact at 45 degrees to core axis.									
		197.00 198.50 5 to 6% finely disseminated pyrite and segregated bands of pyrite parallel to foliation within dacitic lapilli tuff.	780333	197.00	198.50	1.50		<.2	35	3	66
		198.50 200.00 Same as above.	780334	198.50	200.00	1.50		<.2	42	4	35
		200.00 201.50 Same as above with approximately 7 to 8% finely disseminated pyrite throughout.	780335	200.00	201.50	1.50		<.2	38	6	31
		201.50 202.50 Same as above with localized subangular to angular sericitized and cherty fragments parallel to foliation.	780336	201.50	202.50	1.00		<.2	33	6	30
		202.50 204.00 Same as above.	780337	202.50	204.00	1.50		<.2	33	5	32
		204.00 205.50 Same as above.	780338	204.00	205.50	1.50	<5	<.2	41	5	31
		205.50 207.00 Same as above.	780339	205.50	207.00	1.50		<.2	42	4	32
207.40	209.90	RHYOLITE									
		Light green, fine grained, silicified, sericitic, massive, homogenous, weakly foliated with foliation at 60 degrees to core axis, slightly tuffaceous at hanging wall contact. Approximately 1 to 2% patchy disseminations of pyrite throughout unit, sharp foot wall contact at 50 degrees to core axis.									
209.90	218.70	RHYOLITE TUFF									
		Light green to light grey, fine grained to medium grained, sericitic, silicified, weakly chloritic, moderately foliated tuffaceous texture with foliation at 50 degrees to core axis. Unit slightly lapilli tuffaceous in sections and possesses chloritic fractures throughout, sheared foot wall contact at 20 degrees to core axis. Approximately 0.5 to 1% finely disseminated pyrite throughout.									
218.70	221.20	RHYOLITE									
		Light green, fine grained, silicified, sericitic, massive, homogenous, weakly foliated with foliation at 50 degrees to core axis, intercalated tuffaceous and slightly sheared sections throughout.									

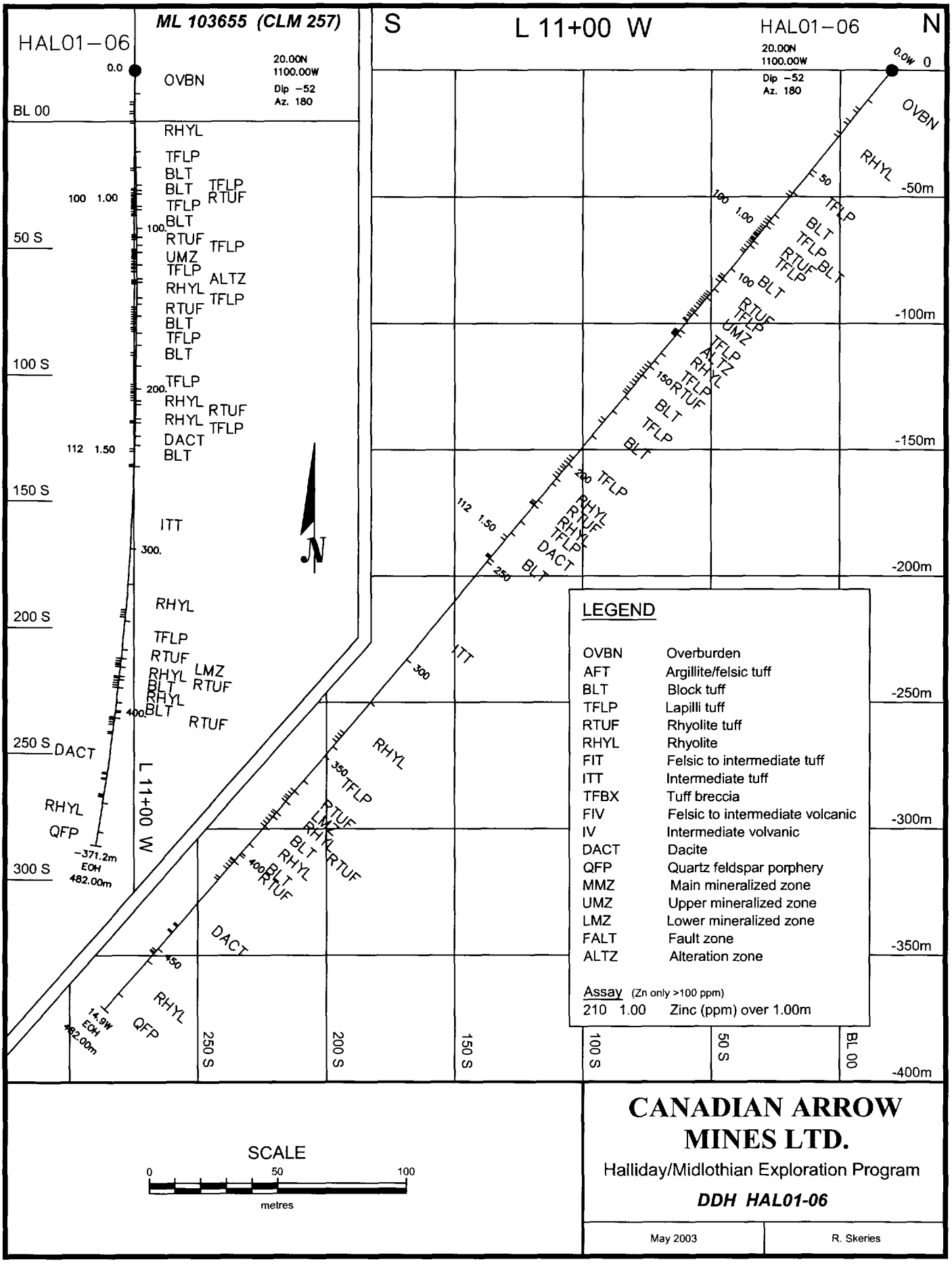
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		At 220.2 localized fault zone with fault gouge and crumbled core, fractures at 40 degrees to core axis. From 220.9 to 221.2 30 cm quartz vein with hanging wall and foot wall contacts at 40 and 80 degrees to core axis, approximately 1 to 2% patchy pyrite within vein. Sharp foot wall contact at vein contact at 80 degrees to core axis.									
		220.00 220.80 Bracket sample, 1 to 2% disseminated pyrite within faulted section	780340	220.00	220.80	.80		<.2	32	2	28
		220.80 221.30 30 cm quartz vein with approximately 1 to 2% patchy pyrite within vein.	780341	220.80	221.30	.50	<5	<.2	16	2	59
221.20	229.40	LAPILLI TUFF Light green, fine grained to medium grained, sericitic, silicified, locally chloritic, lapilli tuffaceous rhyolite with carbonatized scoriaceous lapilli throughout. Unit possesses numerous chlorite infilled fractures throughout, moderately foliated with foliation at 60 degrees to core axis. From 229.0 to 229.4 localized block tuff with angular to subangular fragments aligned parallel to foliation, sheared foot wall contact at 70 degrees to core axis. Approximately 1 to 2% finely disseminated pyrite restricted to chlorite infilled fractures.									
229.40	235.20	DACITE Light grey, fine grained, weakly foliated, chloritic, silicified and sericitic massive, homogenous and mottled with scoriaceous carbonatized lapilli. Unit probably rhyo-dacitic in composition, foliation at 60 degrees to core axis, trace sulphide noted. Sharp foot wall contact at 60 degrees to core axis.									
235.20	248.50	BLOCK TUFF Dark grey, medium grained to coarse grained, chloritic, silicified, weakly sericitic, moderately foliated with foliation at 50 degrees to core axis, numerous sericitized and cherty subangular to angular fragments aligned parallel to foliation. Unit dacitic to andesitic in composition and strongly tuffaceous, approximately 2 to 3% disseminated pyrite occurring as localized bands parallel to foliation. From 241.5 to 248.5 unit possesses scattered diffuse subrounded to rounded sericitized tuffaceous fragments within chloritic brecciated matrix. Sharp foot wall contact at 40 degrees to core axis.									
		237.50 239.00 3 to 4% patchy disseminations of pyrite throughout chloritic, tuffaceous block tuff.	780342	237.50	239.00	1.50		<.2	37	8	112
		247.40 248.00 10 cm quartz chlorite vein at 40 degrees to core axis with approximately 2 to 3% disseminated pyrite localized at vein contacts.	780343	247.40	248.00	.60		<.2	27	5	77
		248.00 248.50 4 to 5% patchy finely disseminated pyrite within silicified brecciated alteration zone.	780344	248.00	248.50	.50		.7	43	5	53
248.50	322.10	INTERMEDIATE TUFF Dark grey, medium grained, chloritic, weakly silicified and sericitic, moderately foliated dacitic to andesitic lapilli tuffaceous unit. Moderately developed foliation at 50 degrees to core axis, unit possesses									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		scoriaceous carbonatized lapilli throughout and rare intercalated bleached slightly sericitized fragments. Sericitized fragments rounded to subrounded and occur locally from 254.0 to 261.0 fragments diffuse. From 261.0 to 263.0 unit possesses block tuffaceous texture with angular to subrounded fragments parallel to foliation. From 290.0 to 294.0 unit possesses scattered subrounded sericitized tuffaceous fragments block tuffaceous. At 293.6 10 cm quartz vein at 40 degrees to core axis with pink calcite on fractured surface, trace pyrite. From 308.0 to 315.0 series of milky white barren quartz veins parallel to core axis. From 315.5 to 322.1 transitional zone with intercalated light green sericitized tuffaceous sections proximal to foot wall contact. From 321.7 to 322.0 3 cm milky white quartz vein at 10 degrees to core axis, TR SULPHIDE vein MARKS contact between INTERMEDIATE TUFF and RHYOLITE. Sharp foot wall contact at 30 degrees to core axis.									
322.10	344.80	RHYOLITE									
		Light green, fine grained, sericitic, massive, homogenous, weakly foliated with foliation at 65 degrees to core axis, locally chloritic with numerous fractures infilled with chlorite throughout unit. Unit speckled with subhedral quartz phenocrysts and chloritic flakes throughout, approximately 1 to 2% finely disseminated pyrite localized within chloritic fractures. Diagenetically altered chloritic fractures throughout similar in appearance to selvages. At 325.6 7 cm quartz chlorite vein at 35 degrees to core axis with approximately 1 to 2% finely disseminated pyrite localized at vein contacts. At 330.0 3 cm quartz vein at 30 degrees to core axis rimmed with approximately 1 to 2% finely disseminated pyrite. At 342.7 localized fault gouge at 35 degrees to core axis, sharp foot wall contact at 40 degrees to core axis.									
		338.00 339.50 3 to 4% disseminated pyrite localized within chloritic fractures within sericitized RHYOLITE.	780345	338.00	339.50	1.50		<.2	33	2	62
		339.50 341.00 4 to 5% disseminated pyrite localized within chloritic fractures within sericitized RHYOLITE.	780346	339.50	341.00	1.50		<.2	40	2	53
		341.00 342.50 4 to 5% disseminated pyrite localized within chloritic fractures, localized brecciated chloritic and silicified alteration zone.	780347	341.00	342.50	1.50		.3	48	5	52
344.80	362.50	LAPILLI TUFF									
		Light grey, medium grained, sericitic, chloritic, silicified rhyo-dacitic lapilli tuff with carbonatized lapilli throughout unit. Unit moderately foliated with foliation at 45 degrees to core axis, unit possesses strongly welded tuffaceous banded appearance with sericitized bands and lapilli aligned parallel to foliation. From 359.5 to 362.5 unit possesses same welded tuffaceous texture but lacks lapilli texture. Approximately 0.5 to 1% finely disseminated pyrite throughout unit, sharp foot wall contact at 40 degrees to core axis.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
362.50	368.00	RHYOLITE TUFF BUFF, fine grained to medium grained, sericitic, silicified, locally chloritic, massive, moderately foliated tuffaceous texture with foliation at 50 degrees to core axis. Unit similar to RHYOLITE at 322.1 with more tuffaceous texture dark grey chloritic fractures diffuse, unit speckled with subhedral quartz phenocrysts. Approximately 1 to 2% finely disseminated pyrite localized within chloritic fractures, sharp foot wall contact at 50 degrees to core axis.									
368.00	373.20	LOWER MINERALIZED ZONE BUFF to dark grey, sericitic, locally chloritic strongly tuffaceous with tightly packed subrounded block sized fragments. Unit similar to lithology above although more block tuffaceous and strongly mineralized with approximately 6 to 7% patchy disseminations and disseminated pyrite localized within chloritic fractures. Moderately foliated unit with foliation at 50 degrees to core axis, sharp foot wall contact at 40 degrees to core axis.									
		368.00 369.50 6 to 7% disseminated pyrite occurring within brecciated chloritic matrix and localized within fractures parallel to foliation.	780348	368.00	369.50	1.50		.3	44	5	43
		369.50 371.00 6 to 7% disseminated and subhedral pyrite within brecciated chloritic matrix and localized within fractures.	780349	369.50	371.00	1.50		.2	37	5	35
		371.00 372.00 6 to 7% patchy disseminations of pyrite throughout sericitized wallrock.	780350	371.00	372.00	1.00	<5	<.2	30	3	38
		372.00 373.20 5 to 6% disseminated pyrite localized within chloritic fractures and occurring as patchy disseminations.	780351	372.00	373.20	1.20		.2	41	4	43
373.20	379.00	RHYOLITE BUFF, fine grained, weakly foliated with foliation at 50 degrees to core axis, sericitic, silicified, massive, homogenous speckled with subhedral quartz phenocrysts and chlorite flakes, locally chloritic with chlorite infilled fractures. Approximately 0.5 to 1% finely disseminated and scattered subhedral pyrite crystals, sharp foot wall contact at 40 degrees to core axis.									
379.00	381.00	RHYOLITE TUFF Light green to BUFF, fine grained to medium grained, sericitic, locally chloritic, moderately foliated tuffaceous texture with foliation at 45 degrees to core axis. Approximately 2 to 3% disseminated and subhedral pyrite localized within chloritic fractures, sharp foot wall contact at 60 degrees to core axis.									
		379.00 380.00 3 to 4% disseminated and subhedral pyrite occurring within chloritic fractures and matrix.	780352	379.00	380.00	1.00		.3	35	3	60
		380.00 381.50 3 to 4% disseminated pyrite within localized brecciated silicified alteration zones.	780353	380.00	381.50	1.50	<5	.3	36	3	58
381.00	386.00	BLOCK TUFF Light green to BUFF, medium grained to coarse grained sericitic, silicified, moderately foliated block tuff comprised of sericitized and cherty subangular to subrounded fragments within chloritic matrix. Unit possesses intercalated silicified BUFF massive rhyolitic sections, approximately 0.5 to 1% disseminated pyrite.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Sharp foot wall contact at 50 degrees to core axis.									
		381.50 383.00 2 to 3% disseminated and patchy disseminations of pyrite within silicified and chloritic alteration zone.	780354	381.50	383.00	1.50		<.2	23	<2	66
		383.00 384.50 3 to 4% disseminated and patchy disseminations of pyrite within sericitized BLOCK TUFF.	780355	383.00	384.50	1.50		<.2	22	2	61
		384.50 386.00 2 to 3% disseminated pyrite within sericitized BLOCK TUFF.	780356	384.50	386.00	1.50		<.2	28	<2	56
386.00	395.20	RHYOLITE Light green, fine grained, massive, sericitic, silicified, weakly foliated with foliation at 60 degrees to core axis, unit speckled with subhedral quartz phenocrysts throughout. Trace sulphide sharp foot wall contact at 50 degrees to core axis.									
395.20	400.90	BLOCK TUFF Light green to BUFF, medium grained to coarse grained, sericitic, silicified, locally chloritic moderately foliated tuffaceous block tuff comprised of subangular to subrounded cherty and sericitized fragments within brecciated chloritic and silicified matrix. Foliation at 50 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout unit, sharp foot wall contact at 60 degrees to core axis.									
400.90	404.50	RHYOLITE TUFF Light green, fine grained, massive, sericitic, weakly chloritic, transitional rhyo-dacitic unit speckled with subhedral quartz phenocrysts and chlorite flakes Localized 2 cm milky white quartz vein at 25 degrees to core axis with trace pyrite, gradational foot wall contact at 50 degrees to core axis.									
		404.00 404.50 4 cm quartz chlorite vein at 25 degrees to core axis with trace pyrite.	780357	404.00	404.50	.50	<5	<.2	34	<2	57
404.50	456.20	DACITE Light grey, fine grained, massive, weakly foliated, chloritic, sericitic and weakly silicified unit speckled with blue-grey subhedral quartz phenocrysts and chlorite flakes. Unit possesses network of fractures infilled with chlorite and approximately 0.5 to 1% disseminated and scattered subhedral pyrite. Scattered milky white quartz chlorite veins throughout. At 404.1 4 cm milky white quartz vein at 20 degrees to core axis with trace pyrite. At 406.9 10 cm quartz chlorite vein at 70 degrees to core axis with trace pyrite At 407.5 20 cm quartz chlorite vein at 60 degrees to core axis with trace pyrite At 413.7 20 cm quartz chlorite vein at 40 degrees to core axis with 0.5 to 1% finely disseminated pyrite. At 419.3 20 cm vuggy quartz vein chlorite vein at 75 degrees to core axis with sericitized xenoliths and trace pyrite. At 438.3 25 cm quartz vein at 80 degrees to core axis, trace pyrite. At 441.6 17 cm quartz tourmaline vein at 65 degrees to core axis with 0.5 to 1% patchy sphalerite. At 451.1 30 cm quartz chlorite vein at 80 degrees to core axis with trace pyrite At 452.2 10 cm quartz tourmaline vein at 80 degrees to core axis with trace pyrite.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		From 449.5 to 456.2 unit becomes progressively more enriched in sericitic alteration, transitional zone.									
		405.50 407.00 Localized 10 cm quartz chlorite vein at 70 degrees to core axis with trace SULPHIDE.	780358	405.50	407.00	1.50		<.2	9	<2	83
		407.00 408.50 20 cm quartz chlorite vein at 70 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite within WALLROCK	780359	407.00	408.50	1.50		<.2	16	<2	71
		413.00 414.00 20 cm quartz chlorite vein at 40 degrees to core axis with 1 to 2% finely disseminated pyrite rimming vein.	780360	413.00	414.00	1.00	<5	<.2	44	<2	74
		438.00 438.70 25 cm quartz chlorite vein at 80 degrees to core axis with trace pyrite.	780361	438.00	438.70	.70		<.2	32	<2	54
		441.40 441.90 17 cm quartz tourmaline vein at 65 degrees to core axis with approximately 0.5 to 1% patchy sphalerite.	780362	441.40	441.90	.50		.5	11	<2	47
		451.00 452.00 30 cm quartz chlorite vein at 80 degrees to core axis with trace sulphide.	780363	451.00	452.00	1.00		.2	17	<2	62
		452.00 452.60 10 cm quartz tourmaline vein at 80 degrees to core axis with trace pyrite.	780364	452.00	452.60	.60	<5	.4	29	<2	58
456.20	473.70	RHYOLITE Light green to BUFF, fine grained to aphanitic, sericitized, silicified, massive, homogenous, weakly developed foliation at 40 degrees to core axis, trace pyrite. Unit speckled with subhedral quartz phenocrysts throughout, slightly pinkish sections may be porphryry xenoliths or metasomatic alteration. Sharp foot wall contact at 10 degrees to core axis.									
473.70	482.00	QUARTZ FELDSPAR PORPHYRY Reddish-pink, fine grained to aphanitic, massive, homogenous, silicified, feldspathic, unit posssesses relic localized subrounded fragments and localized chloritic fractures. Unit may be rhyolite with pervasive potassic and hematitic alteration, trace sulphide.									
482.00		END OF HOLE									



CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-06

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Northing: 420
Easting: -1100
Elevation: 0

Collar Azi.: 180.0
Collar Dip: -45.0

*** Dip Tests ***

Depth	Azi.	Dip
50	181.1	-45.6
125	181.6	-44.5

Hole length: 125.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex

41P14NE2012 2.25718 MIDLOTHIAN 080

Comments: Drilled south of Campbell Lake
Logged by: P. Caldbick, March 7, 2001
Date(s) logged: February 07, 2001
Purpose: Test Quantec RSIP anomaly
Core storage: Moneta core facility, Timmins

Drill Hole: HAL01-07

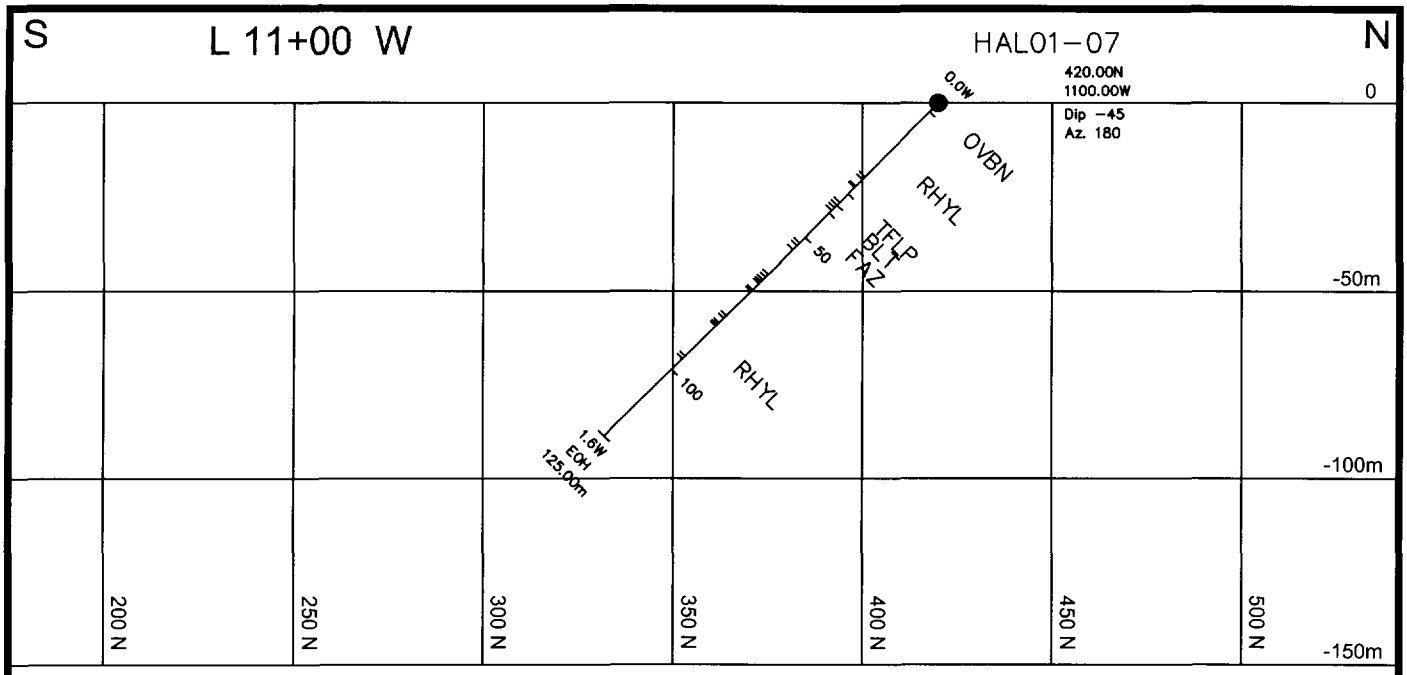
Project: Halliday Dome
Property: Midlothian\Halliday
Claim: L 103655 (CLM 257)
Northing: 4+20 N
Easting: L 11+00 W
GPS Northing:
GPS Easting:
Date Started: February 20, 2001
Date completed: February 21, 2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 780516-531
Lab A report: T01-57068.0
Lab B:
Sample series B:
Lab B report:

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	3.30	OVERBURDEN CASING to 5.0 metre.									
3.30	33.80	RHYOLITE Light green, fine grained, massive, weakly foliated with foliation at 60 degrees to core axis, sericitic, silicified, unit speckled with chloritic flakes and yellowish sericitic specks. Approximately 0.5 to 1% finely disseminated pyrite throughout unit, locally lapilli tuffaceous with diffuse carbonatized feldspathic lapilli. From 3.3 to 8.7 unit strongly fractured with limonitic weathering localized along fractures, fractures subparallel to core axis. At 8.4 2 cm quartz ankerite vein at 65 degrees to core axis with trace pyrite. At 28.0 3 cm milky white quartz vein at 40 degrees to core axis with series of quartz stringers within sericitized hanging wall at 80 degrees to core axis, approximately 1 to 2% scattered anhedral pyrite crystals. At 29.0 3 cm ankerite vein parallel to core axis with trace pyrite. At 31.1 5 cm quartz ankerite vein parallel to core axis with 2 to 3% scattered anhedral pyrite crystals within vein. Gradational foot wall contact at 60 degrees to core axis.									
		27.50 28.50 3 cm quartz vein at 40 degrees to core axis, approximately 1 to 2% scattered anhedral pyrite crystals within hanging wall.	780516	27.50	28.50	1.00		<.2	32	<2	78
		31.00 31.50 5 cm quartz vein parallel to core axis with 2 to 3% scattered anhedral pyrite crystals within vein.	780517	31.00	31.50	.50	<5	<.2	31	<2	54
33.80	38.00	LAPILLI TUFF									

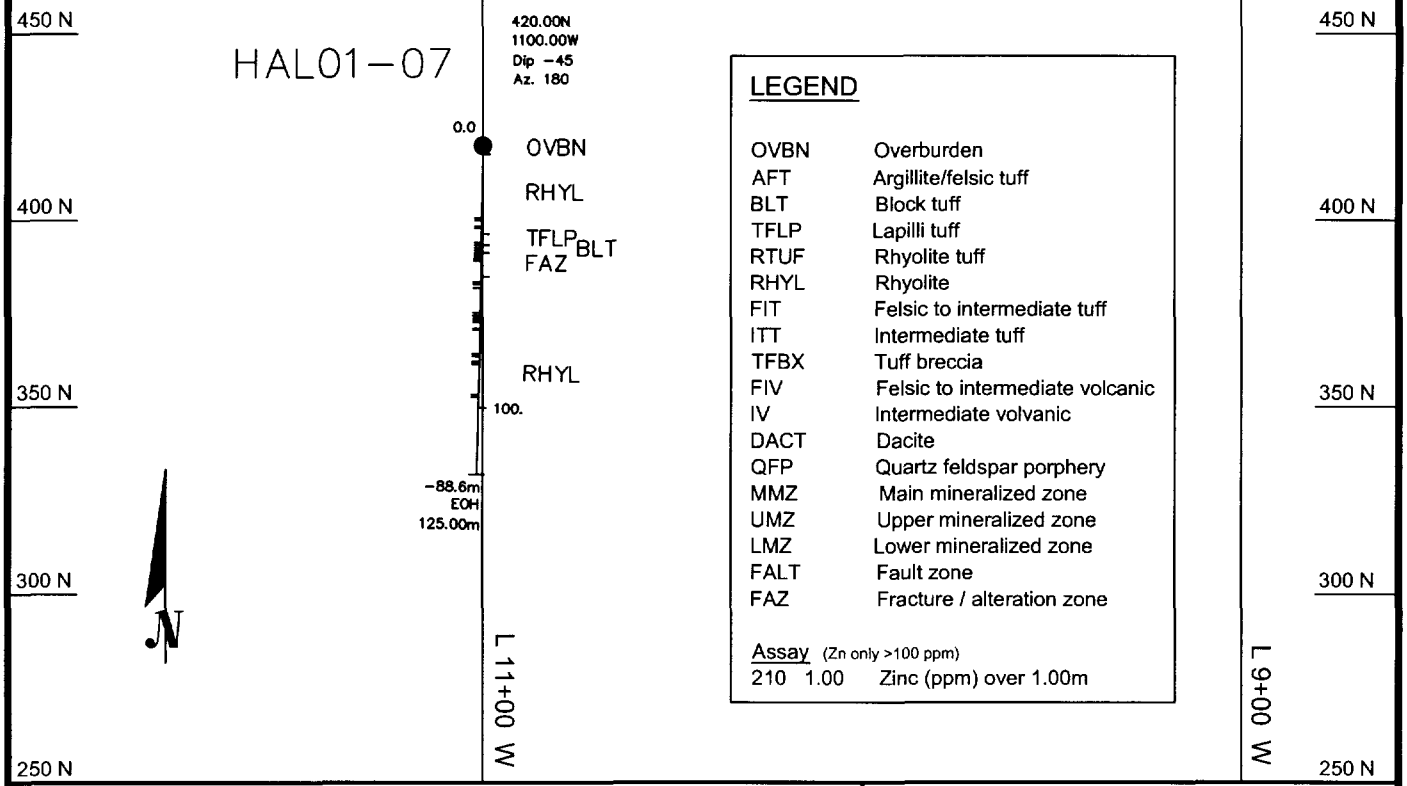
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Buff to dark grey, medium grained, massive, chloritic, sericitic with pervasive carbonatization, mottled with carbonatized scoriaceous lapilli, weakly foliated with foliation at 50 degrees to core axis. Unit possesses approximately 0.5 to 1% finely disseminated pyrite throughout and intercalated bleached sericitized and carbonatized sections. Scattered carbonatized fractures throughout with diagenetic alteration surrounding fractures. Sharp foot wall contact at 45 degrees to core axis.									
		37.00 38.00 0.5 to 1% finely disseminated pyrite throughout lapilli tuff.	780518	37.00	38.00	1.00		<.2	37	<2	91
38.00	41.00	BLOCK TUFF Yellow-green to dark grey, highly foliated, sheared and locally faulted with localized fault gouge. Unit comprised of angular to subangular tightly packed sericitized tuffaceous fragments within chloritic matrix with interbanded graphitic interflow. Unit possesses banded millrock texture with foliation and shearing at 60 degrees to core axis, approximately 1 to 2% finely disseminated pyrite throughout. Localized fault gouge at 40.6, fractured foot wall contact at 40 degrees to core axis.									
		38.00 39.00 1 to 2% throughout strongly sheared BLOCK TUFF.	780519	38.00	39.00	1.00		.7	64	6	25
		39.00 40.00 Same as above.	780520	39.00	40.00	1.00		.8	49	8	10
			780592	40.00	41.00	1.00					
41.00	50.00	FRACTURE/ALTERATION ZONE Light grey, fine grained to aphanitic, predominantly chloritic and sericitic, extremely fractured and faulted argillaceous fault zone with numerous fractures and localized fault gouge. Unit possesses localized fault gouge with fractures parallel to core axis and extremely blocky fractured core. Missing core box with missing core from 44.8 to 49.5 meters, missing core presumed to be part of fault zone. Sharp fractured foot wall contact at 65 degrees to core axis.	780593	41.00	41.60	.60					
			780594	41.60	42.40	.80					
			780595	42.40	43.20	.80					
			780596	43.20	44.00	.80					
50.00	125.00	RHYOLITE Light green, fine grained, sericitic, moderately foliated with foliation at 75 degrees to core axis, unit possesses disked blocky core from 50.0 to 52.1. From 50.0 to 55.0 unit predominantly tuffaceous, unit than becomes predominantly massive and weakly foliated. Approximately 3 to 4% patchy disseminations and contorted fractures infilled with finely disseminated pyrite. At 54.3 milky white quartz vein parallel to core axis with approximately 2 to 3% finely disseminated pyrite throughout surrounding wallrock. 1 Meter chaining error with 56.0 meter mistaken for 55.0 meters. Missing core box with missing core from 57.6 to 62.1 meters, missing core presumed to be part of rhyolitic unit. Chaining error at 68.0 meters, should be 65.0 meters. From 64.0 to 65.0 series of quartz ankerite veins at 40 degrees to core axis up to 5 cm with 0.5 to 1% finely disseminated pyrite. From 65.0 to 66.0 20 cm quartz vein at 70 degrees to core axis and series of quartz blebs with 2 to 3% scattered anhedral pyrite crystals.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		At 67.0 10 cm quartz vein at 70 degrees to core axis with 2 to 3% anhedral pyrite localized at vein contacts.									
		At 70.0 2 cm quartz vein at 75 degrees to core axis with 3 to 4% patchy disseminations of pyrite within surrounding wallrock.									
		From 79.8 to 80.6 6 cm milky white quartz vein parallel to core axis, approximately 0.3 to 0.5% patchy chalcopyrite within vein.									
		From 82.5 to 83.1 60 cm quartz vein at 40 degrees to core axis with 1 to 2% patchy chalcopyrite within vein.									
		At 83.4 15 cm quartz vein at 60 degrees to core axis with trace sulphide.									
		From 89.0 to 96.0 unit becomes slightly more tuffaceous and moderately foliated with foliation at 60 degrees to core axis.									
		At 95.7 3 cm quartz vein at 75 degrees to core axis, approximately 2 to 3% patchy disseminations of pyrite within surrounding wallrock.									
		From 96.0 to 113.0 unit develops pinkish-red hue, unit massive and speckled with reddish-pink subhedral quartz phenocrysts.									
		Unit probably altered with potassium feldspar and may be hydrothermally unaltered equivalent of sericitized RHYOLITE.									
		Possible overprinting of hematitic alteration responsible for purplish quartz calcite stringers and reddish quartz phenocrysts.									
		From 113.0 to 125.0 unit develops more buff to light green colour, probable rhyo-dacitic phase with increased chlorite alteration.									
		From 113.0 to 125.0 increase in fractures infilled with chlorite, numerous microfractures infilled with pinkish quartz calcite.									
		From 107.8 to 108.2 localized section of BLOCK TUFF with pinkish-red subrounded fragments within dark green chloritic matrix, contacts at 60 degrees to core axis.									
		From 113.0 to 113.4 localized brecciated section with quartz blebs and stringers within brecciated chloritic and sericitized potassic matrix, 0.3 to 0.5% finely disseminated pyrite throughout.									
		From 124.1 to 124.5 localized brecciated silicified and potassic altered BLOCK TUFF with trace sulphide and fractured hanging wall contact.									
52.10	53.00	3 to 4% patchy disseminations of pyrite throughout sericitized tuff.	780521	52.10	53.00	.90		.3	12	<2	40
53.00	54.50	Same as above with 5 cm quartz vein parallel to core axis.	780522	53.00	54.50	1.50	<5	.3	14	<2	36
64.00	65.00	Series of quartz ankerite veins up to 5 cm at 40 degrees to core axis with 0.5 to 1% finely disseminated pyrite within wallrock.	780523	64.00	65.00	1.00		<.2	29	<2	18
65.00	66.00	20 cm quartz ankerite vein at 70 degrees to core axis, series of quartz blebs, 2 to 3% scattered anhedral pyrite throughout wallrock.	780524	65.00	66.00	1.00	<5	<.2	37	<2	19
66.00	66.80	Bracket sample, approximately 0.5 to 1% finely disseminated pyrite.	780525	66.00	66.80	.80		<.2	32	<2	25
66.80	67.50	10 cm quartz vein at 70 degrees to core axis with 2 to 3% anhedral pyrite localized at vein contacts.	780526	66.80	67.50	.70		<.2	40	<2	28
69.90	70.50	2 cm quartz ankerite vein at 70 degrees to core axis with 3 to 4% patchy disseminations of pyrite within wallrock.	780527	69.90	70.50	.60		.2	12	<2	24
79.70	80.60	5 cm quartz vein parallel to core axis with 0.3 to 0.5% patchy chalcopyrite.	780528	79.70	80.60	.90		<.2	21	<2	17
82.40	83.10	60 cm quartz vein at 40 degrees to core axis with 1 to 2% patchy chalcopyrite and 0.5 to 1% anhedral pyrite within vein.	780529	82.40	83.10	.70		<.2	59	<2	17
83.10	83.60	15 cm quartz vein at 50 degrees to core axis with trace sulphide.	780530	83.10	83.60	.50	<5	<.2	45	<2	15
95.00	96.00	Localized 3 cm quartz vein at 75 degrees to core axis, approximately 3 to 4% patchy disseminations of pyrite throughout surrounding wallrock.	780531	95.00	96.00	1.00		.3	12	<2	18

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
125.00		END OF HOLE									



ML 103655 (CLM 257)



LEGEND

OVBN	Overburden
AFT	Argillite/felsic tuff
BLT	Block tuff
TFLP	Lapilli tuff
RTUF	Rhyolite tuff
RHYL	Rhyolite
FIT	Felsic to intermediate tuff
ITT	Intermediate tuff
TFBX	Tuff breccia
FIV	Felsic to intermediate volcanic
IV	Intermediate volvanic
DACT	Dacite
QFP	Quartz feldspar porphery
MMZ	Main mineralized zone
UMZ	Upper mineralized zone
LMZ	Lower mineralized zone
FALT	Fault zone
FAZ	Fracture / alteration zone

Assay (Zn only >100 ppm)
210 1.00 Zinc (ppm) over 1.00m

SCALE
0 50 100
metres

CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-07

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Northing:	600
Easting:	-1100
Elevation:	0
Collar Azi.:	360.0
Collar Dip:	-58.0
Hole length:	365.00
Units:	Metric
Core size:	NQ
Grid:	Metric '00
Materials left:	Casing
Collar survey:	No
DH Survey method:	Reflex
Comments:	Undercut Canadian Arrow showing, SSE Campbell Lake
Logged by:	P. Caldbick, Feb 15, 2001
Date(s) logged:	February 27 to March 2, 2001
Purpose:	Test deep Quantec RSIP anomaly
Core storage:	Moneta core facility, Timmins

*** Dip Tests ***

Depth	Azi.	Dip
10	355.9	-57.5
50	356.2	-58.9
101	356.5	-58.0
152	357.0	-57.2
200	358.7	-56.8
251	359.9	-56.7
302	359.7	-56.2
365	359.0	-56.0

Drill Hole:	HAL01-08
Project:	Halliday Dome
Property:	Midlothian\Halliday
Claim:	L 103655 (CLM 257)
Northing:	6+00 N
Easting:	L 11+00 W
GPS Northing:	
GPS Easting:	
Date Started:	February 13, 2001
Date completed:	February 20, 2001
Drilled by:	Norex
Sample type:	Cut core
Analyses:	Au FA, 34 element ICP
Lab A:	Bondar-Clegg
Sample series A:	780365-442
Lab A report:	T01-57065.0/66.0
Lab B:	
Sample series B:	
Lab B report:	

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	15.00	OVERBURDEN CASING to 15.0 metre.									
15.00	17.80	LAPILLI TUFF Light green to dark grey, fine grained, weakly foliated with foliation at 60 degrees to core axis, sericitic, chloritic, rhyodacitic tuffaceous unit. Unit mottled with scoriaceous lapilli carbonatized feldspar phenocrysts and possesses localized sericitized tuffaceous section. Approximately 0.5 to 1% finely disseminated pyrite throughout, sharp foot wall contact at 75 degrees to core axis.									
17.80	22.30	BLOCK TUFF Dark grey to dark green, medium grained to coarse grained, strongly foliated with foliation at 50 degrees to core axis, chloritic, sericitic with localized graphitic interflow. Unit possesses subrounded to subangular block sized fragments and localized scoriaceous lapilli aligned parallel to foliation. Unit highly altered and slightly talcose with localized fault gouge at 19.5 with fractures at 40 degrees to core axis. Localized contorted 10 cm quartz vein at 21.4 with hanging wall and foot wall contacts at 35 and 75 degrees to core axis, vein possesses yellow-green ankeritic patches, trace pyrite. Faulted foot wall contact at 40 degrees to core axis. 20.00 21.00 Alteration zone, sericitic, chloritic, slightly talcose, trace pyrite.	780365	20.00	21.00	1.00		<.2	57	4	87

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		21.00 22.00 10 cm localized quartz vein at 45 degrees to core axis with chlorite infilled fractures, trace pyrite.	780366	21.00	22.00	1.00		<.2	57	3	131
22.30	30.50	FRACTURE/ALTERATION ZONE Extremely fractured and faulted zone with localized fault gouge, host lithology comprised of intercalated yellow-green sericitized RHYOLITE tuff and BLOCK TUFF. Unit possesses numerous quartz - carbonate veins with massive patches of dolomitic alteration and wispy waxy sericitic alteration. 22.30 23.30 Extremely crumbled clayey section of fault gouge with fractures subparallel to core axis. 23.30 25.50 Quartz - carbonate vein subparallel to core axis with buff patches of dolomite, olive green sericitic alteration and dark green fractures infilled with chlorite, approximately 0.5 to 1% finely disseminated pyrite throughout vein. 25.50 26.60 Yellow-green sericitized RHYOLITE TUFF with 4 to 5% patchy disseminations of pyrite throughout. 26.60 27.30 Quartz - carbonate vein subparallel to core axis with massive patches of dolomite and chlorite infilled fractures, 0.5 to 1% finely disseminated pyrite. 27.30 28.00 Fault gouge with hanging wall contact at 10 degrees to core axis, extremely blocky crumbled core. 28.00 30.50 Extremely blocky fractured dark green BLOCK TUFF, trace sulphide, sharp foot wall contact at 75 degrees to core axis.									
		23.80 25.00 Quartz - carbonate vein subparallel to core axis with patches of dolomite and approximately 0.5 to 1% finely disseminated pyrite.	780367	23.80	25.00	1.20		<.2	28	8	332
		25.00 26.00 Extremely fractured quartz vein with chlorite and approximately 0.5 to 1% finely disseminated pyrite parallel to core axis.	780368	25.00	26.00	1.00		<.2	34	5	118
		26.00 27.30 3 to 4% patchy disseminations of pyrite within sericitized RHYOLITE TUFF.	780369	26.00	27.30	1.30		<.2	35	6	137
30.50	67.60	RHYOLITE Yellow-green, massive to locally tuffaceous, moderately foliated with foliation at 65 degrees to core axis, sericitic, silicified, scattered fractures infilled with chlorite, carbonate and silica. Unit mottled with subhedral quartz phenocrysts throughout sericitized aphanitic groundmass. From 32.0 to 33.5 unit possesses approximately 4 to 5% pyrite occurring as subhedral aggregates within fractures. From 41.3 to 43.5 localized fault zone, extremely fractured blocky core with fractures at 70 degrees to core axis. At 46.0 1 cm quartz stringer at 40 degrees to core axis with 1 to 2% localized patchy chalcopyrite. 32.00 33.50 3 to 4% pyrite localized within chloritic fractures within sericitized massive RHYOLITE.	780370	32.00	33.50	1.50		<.2	39	7	55
		45.80 46.30 1 cm localized quartz stringer at 40 degrees to core axis with 1 to 2% localized patchy chalcopyrite.	780371	45.80	46.30	.50		<.2	33	3	24
		65.00 66.50 Sericitized, tuffaceous, approximately 2 to 3% finely disseminated pyrite localized within fractures parallel to foliation.	780372	65.00	66.50	1.50		<.2	31	3	171
		66.50 68.00 Approximately 3 to 4% finely disseminated pyrite localized within fractures and localized patchy disseminations within sericitized tuff, possible patchy sphalerite localized within patchy pyritic	780373	66.50	68.00	1.50		<.2	38	4	38

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		dissemination.									
67.60	76.00	UPPER MINERALIZED ZONE Yellow-green, massive to locally tuffaceous, moderately foliated with foliation at 50 degrees to core axis, unit essentially identical to above unit with exception of marked increase in sulphide accumulations. Approximately 12 to 15% pyrite throughout occurring as subhedral crystals within finely disseminated pyritic groundmass restricted to brecciated silicified and chloritic fractures and occurring as patchy disseminations parallel to foliation. Unit further possesses localized networks of chlorite and pyrite infilled fractures throughout. Hanging wall and foot wall contacts marked by dramatic reductions in sulphide.									
		68.00 69.50 Approximately 8 to 10% patchy disseminations of pyrite and finely disseminated pyrite localized within fractures within sericitized tuff.	780374	68.00	69.50	1.50		<.2	25	4	216
		69.50 71.00 Approximately 10 to 12% patchy disseminations of pyrite and brecciated quartz stringers infilled with subhedral and finely disseminated pyrite throughout sericitized tuff.	780375	69.50	71.00	1.50		<.2	29	5	40
		71.00 72.50 Approximately 10 to 12% finely disseminated pyrite occurring as patchy disseminations and within chlorite infilled network of fractures.	780376	71.00	72.50	1.50		.9	64	8	93
		72.50 74.00 Same as above.	780377	72.50	74.00	1.50		<.2	35	5	112
		74.00 75.00 6 to 7% finely disseminated pyrite localized within brecciated quartz stringers throughout sericitized tuff.	780378	74.00	75.00	1.00	15	<.2	28	3	35
		75.00 76.00 Irregular brecciated quartz stringers infilled with approximately 6 to 7% finely disseminated and subhedral pyrite.	780379	75.00	76.00	1.00		<.2	18	3	76
76.00	132.30	RHYOLITE TUFF Yellow-green, fine grained to aphanitic, massive to locally tuffaceous, predominantly sericitic and silicified, weakly foliated with foliation at 50 degrees to core axis, scattered irregular quartz stringers throughout predominantly subparallel degrees to core axis. Approximately 2 to 3% finely disseminated pyrite restricted to chlorite infilled fractures, unit speckled with quartz phenocrysts within sericitic groundmass. From 89.0 to 105.0 unit possesses higher chloritic alteration and is speckled with chloritic flakes. At 127.0 10 cm quartz chlorite vein at 40 degrees to core axis with fractured foot wall contact and approximately 1 to 2% finely disseminated pyrite localized at vein contacts. At 128.2 4 cm quartz vein at 65 degrees to core axis stained with hematite, approximately 0.5 to 1% finely disseminated pyrite within vein. From 130.0 to 130.6 localized brecciated alteration zone possessing subangular lapilli tuffaceous fragments within brecciated quartz, quartz stained with hematite, approximately 1 to 2% finely disseminated pyrite. From 126.0 to 132.3 unit becomes gradationaly more FE-rich with increase in chloritic content, transitional zone. Gradational foot wall contact at 50 degrees to core axis.									
		89.00 90.50 Approximately 5 to 6% finely disseminated pyrite localized within quartz stringers parallel to foliation within sericitized tuff.	780380	89.00	90.50	1.50		<.2	37	6	101

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		90.50 92.00 3 to 4% finely disseminated pyrite localized within chloritic fractures subparallel to core axis.	780381	90.50	92.00	1.50		<.2	60	2	63
		92.00 93.00 5 cm quartz vein parallel to core axis with approximately 1 to 2% finely disseminated throughout surrounding wallrock.	780382	92.00	93.00	1.00		<.2	49	3	50
		105.50 107.00 Approximately 2 to 3% finely disseminated pyrite and localized subhedral pyrite crystals within sericitized tuff.	780383	105.50	107.00	1.50		<.2	33	4	35
		107.00 108.00 Approximately 3 to 4% finely disseminated pyrite localized within irregular chlorite infilled fractures.	780384	107.00	108.00	1.00		<.2	47	5	32
		108.00 109.00 5 cm quartz vein at 80 degrees to core axis, approximately 3 to 4% finely disseminated pyrite localized within irregular chlorite infilled fractures.	780385	108.00	109.00	1.00		<.2	20	3	28
		113.00 114.00 5 cm quartz vein at 50 degrees to core axis parallel to foliation with approximately 2 to 3% subhedral pyrite localized at vein contacts.	780386	113.00	114.00	1.00		<.2	31	3	24
		115.00 116.00 7 to 8% finely disseminated pyrite localized within irregular quartz veins and chlorite infilled fractures.	780387	115.00	116.00	1.00	9	<.2	29	5	20
		126.50 127.40 10 cm quartz vein at 40 degrees to core axis with approximately 1 to 2% finely disseminated pyrite localized along vein contacts.	780388	126.50	127.40	.90		<.2	46	4	69
		130.00 131.00 60 cm localized alteration zone with quartz breccia stained with hematite, subrounded fragments and approximately 1 to 2% finely disseminated pyrite throughout.	780389	130.00	131.00	1.00		<.2	16	6	51
132.30	160.50	LAPILLI TUFF Dark green, medium grained, predominantly chloritic, weakly sericitic, mottled with scoriaceous carbonatized feldspar lapilli, unit dacitic in composition. Weakly foliated with foliation at 50 degrees to core axis, unit possesses numerous quartz chlorite veins predominantly subparallel to core axis from 132.3 to 136.0. Numerous irregular chlorite infilled fractures throughout, approximately 1 to 2% aggregates of subhedral pyrite localized within quartz veins. From 143.8 to 144.9 silicified, sericitized cherty breccia comprised of tightly packed subrounded cherty calcedonic fragments within silicified, sericitized matrix, approximately 1 to 2% finely disseminated pyrite. From 155.0 to 156.0 bleached sericitized zone with chlorite infilled fractures and approximately 1 to 2% disseminated pyrite within fractures. Gradational foot wall contact at 50 degrees to core axis.									
		133.00 134.00 2 3 cm quartz chlorite veins subparallel to core axis with approximately 1 to 2% finely disseminated pyrite.	780390	133.00	134.00	1.00		<.2	28	3	73
		134.00 135.40 5 cm quartz chlorite vein at 30 degrees to core axis with approximately 1 to 2% finely disseminated pyrite.	780391	134.00	135.40	1.40		<.2	29	4	86
		135.40 136.00 4 cm quartz chlorite vein at 40 degrees to core axis with approximately 3 to 4% massive and subhedral pyrite localized at vein contacts.	780392	135.40	136.00	.60		<.2	28	2	71
		143.50 145.00 Brecciated silicified and sericitized block tuffaceous breccia with cherty fragments and approximately 1 to 2% finely disseminated pyrite.	780393	143.50	145.00	1.50		<.2	31	3	45
160.50	166.80	RHYOLITE TUFF Light green, fine grained, sericitized, chloritic, locally lapilli tuffaceous, moderately foliated with foliation at 60 degrees to core axis, numerous dark green chlorite infilled fractures.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Unit locally mottled with carbonatized feldspar phenocrysts and speckled with quartz and chlorite flakes. Sharp irregular foot wall contact at 65 degrees to core axis.									
166.80	176.70	FELSIC VOLCANIC/CHERT Light green to light grey, coarse grained, sericitic, silicified, moderately foliated cherty BLOCK TUFF with foliation at 50 degrees to core axis, block sized cherty fragments up to 10 cm. Unit comprised of tightly packed rounded to subrounded cherty calcedonic clasts and fragments within sericitized silicified matrix. Unit possesses approximately 0.5 to 1% finely disseminated pyrite with sharp foot wall contact at 75 degrees to core axis.									
		170.00 171.50 Silicified, sericitized cherty BLOCK TUFF with approximately 0.5 to 1% finely disseminated pyrite.	780394	170.00	171.50	1.50		<.2	1	3	10
		171.50 173.00 Same as above.	780395	171.50	173.00	1.50		<.2	1	2	14
176.70	179.90	RHYOLITE TUFF Light green, fine grained, sericitic, weakly silicified, moderately foliated tuffaceous RHYOLITE with numerous quartz veins and contorted quartz stringers at 60 to 80 degrees to core axis. Foliation at 75 degrees to core axis, approximately 1 to 2% finely disseminated pyrite localized within quartz veins, gradational foot wall contact at 80 degrees to core axis.									
		176.70 178.00 Numerous quartz veins up to 10 cm at 75 degrees to core axis rimmed with approximately 1 to 2% finely disseminated pyrite.	780396	176.70	178.00	1.30	19	.3	12	3	42
		178.00 179.50 Same as above.	780397	178.00	179.50	1.50		<.2	22	3	39
179.90	221.20	MAFIC TO INTERMEDIATE TUFF Dark green, fine grained to medium grained, chloritic, weakly sericitic, predominantly massive to locally lapilli tuffaceous dacitic ash tuff. Weakly foliated with foliation at 60 degrees to core axis, unit locally mottled with carbonatized scoriaceous lapilli and predominantly speckled with feldspar phenocrysts. Scattered carbonatized stringers throughout at 45 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite localized within chloritic fractures. At 191.7 5 cm quartz - carbonate vein at 50 degrees to core axis rimmed with chlorite, approximately 0.2 to 0.5% finely disseminated pyrite. From 193.0 to 194.2 series of quartz chlorite veins no wider than 5 cm at 60 to 70 degrees to core axis, approximately 0.5 to 1% finely disseminated pyrite throughout. At 196.8 chloritic fractures parallel to core axis and infilled with approximately 3 to 4% massive pyrite. At 199.6 10 cm alteration zone with 2 2 cm quartz stringers at 75 degrees to core axis, approximately 0.5 to 1% pyrite localized within stringers. At 205.2 4 cm quartz vein parallel to core axis within bleached sericitized porphyritic alteration zone, trace pyrite. At 206.1 4 cm quartz vein rimmed with chlorite at 60 degrees to core axis within bleached sericitized alteration halo, trace pyrite. At 211.8 10 cm brecciated quartz and localized BLOCK TUFF with approximately 3 to 4% aggregates of subhedral pyrite.									

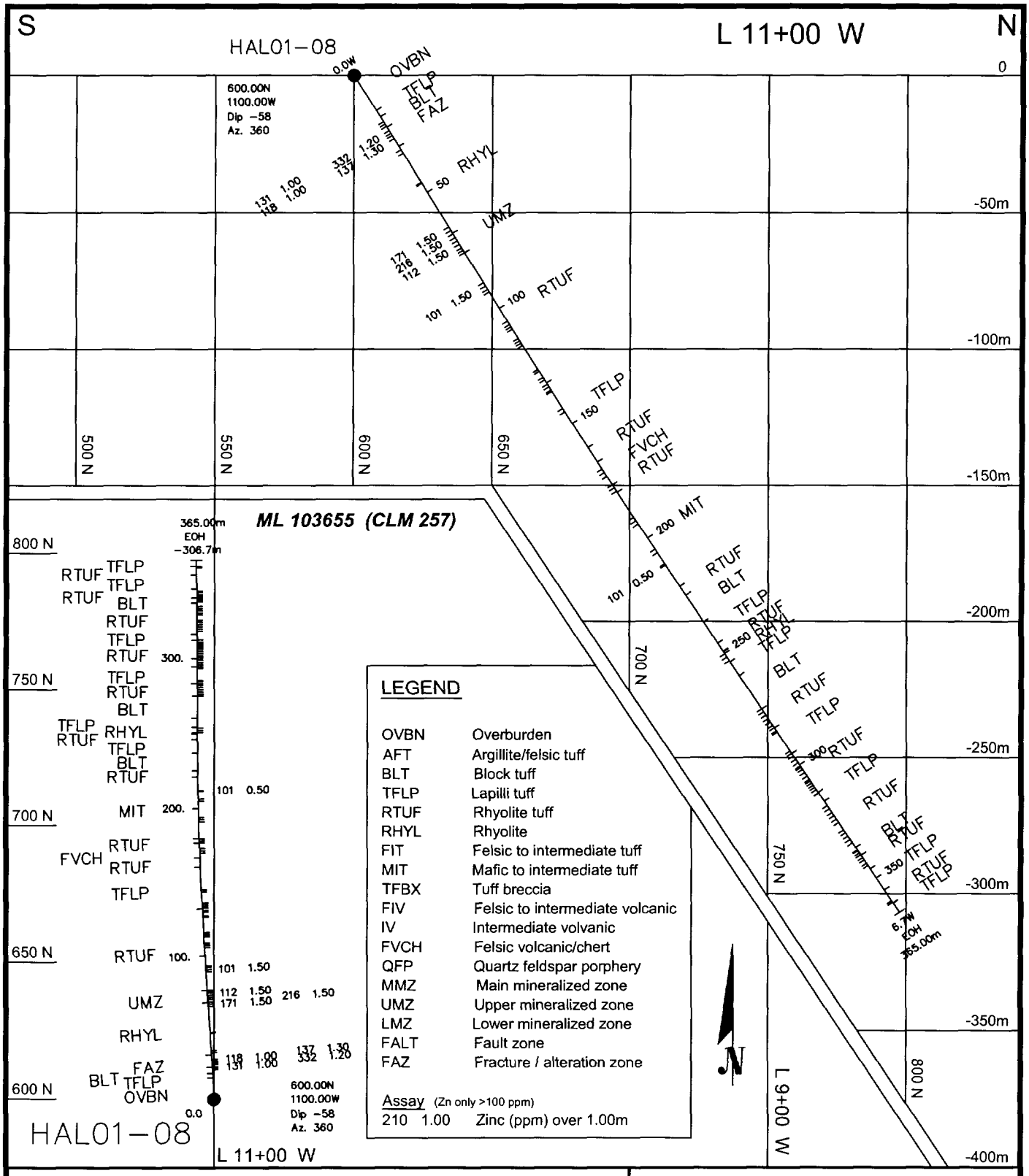
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		From 212.3 to 216.0 series of milky white 3 cm quartz veins at 30 to 40 degrees to core axis, trace pyrite.									
		From 215.6 to 221.2 transitional zone, unit becomes gradationally more sericitic and tuffaceous, compositionally more rhyo-dacitic.									
		From 217.0 to 218.0 unit sericitic and tuffaceous RHYOLITE TUFF with well developed foliation at 60 degrees to core axis.									
		From 218.0 to 221.2 unit more dacitic and tuffaceous with localized lapilli tuffaceous sections and well developed foliation at 60 degrees to core axis.									
		Sharp foot wall contact at 65 degrees to core axis.									
		191.00 192.50 Bleached alteration zone, 5 cm quartz vein at 50 degrees to core axis, 0.3 to 0.5% finely disseminated pyrite.	780398	191.00	192.50	1.50		<.2	22	4	88
		192.50 194.00 Series of quartz blebs and stringers throughout, approximately 0.5 to 1% finely disseminated pyrite.	780399	192.50	194.00	1.50		<.2	31	3	95
		205.00 206.50 4 cm quartz vein within porphryry parallel to core axis, 2 4 cm quartz veins rimmed with chlorite at 55 degrees to core axis, 0.5 to 1% finely disseminated pyrite.	780400	205.00	206.50	1.50		<.2	22	5	99
		211.50 212.00 10 cm localized BLOCK TUFF with quartz stringers, approximately 3 to 4% localized subhedral pyrite.	780401	211.50	212.00	.50		<.2	27	5	101
221.20	225.20	RHYOLITE TUFF Light green, fine grained, sericitic, silicified, weakly foliated tuffaceous unit with foliation at 50 degrees to core axis, unit possesses scattered quartz chlorite stringers at 60 to 80 degrees to core axis. Trace sulphide noted, sharp foot wall contact at 60 degrees to core axis.									
225.20	237.00	BLOCK TUFF Dark grey, medium grained to coarse grained, predominantly chloritic with block sized subangular to angular sericitized tuffaceous fragments and clasts within chloritic matrix. Unit moderately foliated with foliation at 60 degrees to core axis and mottled with scoriaceous carbonatized feldspar lapilli throughout. From 232.0 to 237.0 matrix becomes gradationally more sericitic with fewer diffuse fragments and strongly lapilli tuffaceous. Scattered carbonate stringers throughout parallel to foliation, trace sulphide noted, sharp foot wall contact at 65 degrees to core axis.									
237.00	246.20	LAPILLI TUFF Dark grey, fine grained to medium grained, chloritic, locally sericitic moderately foliated with foliation at 50 degrees to core axis, unit mottled with carbonatized feldspathic lapilli. Trace sulphide noted, sharp foot wall contact at 10 degrees to core axis.									
246.20	249.80	RHYOLITE TUFF Light green, fine grained, sericitic, silicified weakly foliated and weakly tuffaceous with foliation at 60 degrees to core axis, unit possesses pervasive sericitic alteration and speckled with quartz phenocrysts throughout. From 246.3 to 246.8 50 cm quartz vein with hanging wall and foot wall contacts at 20 and 75 degrees to core axis, vein rimmed with dark green chlorite and possesses patchy carbonate and sericitic xenoliths trace pyrite. Trace pyrite throughout unit, sharp foot wall contact at 70 degrees to core axis									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
250.80	254.50	RHYOLITE Light green, silicified, sericitic, massive, aphanitic, weakly foliated with foliation at 65 degrees to core axis, unit possesses dark grey chloritic patches infilled with finely disseminated pyrite throughout unit. Approximately 3 to 4% finely disseminated pyrite localized within dark grey chloritic patches, sharp foot wall contact at 50 degrees to core axis. Sharp foot wall contact at 60 degrees to core axis. 251.00 252.50 Approximately 3 to 4% finely disseminated pyrite localized within dark grey chloritic patches within sericitized massive RHYOLITE. 252.50 254.00 Same as above.									
254.50	260.60	LAPILLI TUFF Dark grey to light green, fine grained to medium grained, predominantly chloritic, sericitic, massive weakly foliated rhyo-dacitic lapilli tuffaceous unit mottled with scoriaceous carbonatized feldspathic phenocrysts. Unit possesses intercalated sericitic sections, foliation at 45 degrees to core axis scattered carbonate stringers parallel to foliation. Approximately 0.5 to 1% pyrite throughout localized at 256.4 sharp foot wall contact at 80 degrees to core axis.	780402	251.00	252.50	1.50		<.2	9	4	15
260.60	275.20	BLOCK TUFF Light green to dark grey predominantly sericitic, weakly foliated with foliation at 50 degrees to core axis, unit comprised of sericitized diffuse subrounded fragments within chloritic matrix. Unit mottled with scoriaceous carbonatized feldspathic lapilli, block sized sericitized tuffaceous fragments up to 10 cm. Approximately 1 to 2% aggregates of pyrite localized within rare quartz blebs throughout, sharp foot wall contact at 50 degrees to core axis.	780403	252.50	254.00	1.50		<.2	10	5	11
275.20	283.60	RHYOLITE TUFF Light green, fine grained, sericitic, tuffaceous, locally lapilli tuffaceous, unit described as upper Lower Mineralized Zone with approximately 6 to 7% patchy disseminations of pyrite throughout unit. Unit moderately foliated with foliation at 50 degrees to core axis and possesses patchy disseminations of pyrite oriented parallel to foliation. Unit further possesses pervasive carbonatization with yellowish weathering of carbonate throughout. From 275.2 to 276.5 unit massive and silicified with approximately 1 to 2% disseminated pyrite localized within fractures. Sharp foot wall contact at 75 degrees to core axis. 275.20 276.50 1 to 2% disseminated pyrite localized within fractures parallel to core axis. 276.50 278.00 3 to 4% disseminated pyrite throughout and localized subhedral pyrite. 278.00 279.50 5 to 6% patchy disseminations of pyrite throughout sericitized tuff. 279.50 281.00 6 to 7% disseminated and patchy disseminations of pyrite oriented parallel to foliation within sericitized tuff. 281.00 282.50 8 to 10% finely disseminated and localized semi-massive patches of pyrite throughout sericitized tuff. 282.50 283.60 7 to 8% disseminated pyrite and patchy disseminations parallel to	780404	275.20	276.50	1.30		<.2	47	<2	34
			780405	276.50	278.00	1.50		<.2	28	5	33

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		foliation.									
283.60	294.80	LAPILLI TUFF									
		Dark grey, chloritic, massive, weakly foliated with foliation at 60 degrees to core axis, unit mottled with yellowish carbonatized scoriaceous feldspathic lapilli.	780406	278.00	279.50	1.50		.3	26	6	26
		At 293.8 1 cm quartz stringer parallel to core axis with with approximately 6 to 7% semi-massive pyrite surrounded by carbonatized buff-yellow lapilli, possible minor sphalerite.	780407	279.50	281.00	1.50		.2	46	5	29
		Gradational foot wall contact at 35 degrees to core axis.	780408	281.00	282.50	1.50		.3	37	6	13
		283.60 285.00 3 to 4% localized bands of disseminated pyrite parallel to foliation.	780409	282.50	283.60	1.10		<.2	40	4	16
		285.00 285.50 5 to 6% patchy disseminations of pyrite parallel to foliation.									
		293.70 294.80 1 cm quartz stringer parallel to core axis with approximately 4 to 5% semi-massive pyrite localized within stringer.									
294.80	312.20	RHYOLITE TUFF									
		Light green, fine grained, massive to weakly tuffaceous, predominantly sericitic, locally chloritic, locally lapilli tuffaceous with diffuse carbonatized scoriaceous lapilli throughout.									
		Unit possesses numerous chloritic fractures and contorted quartz veins throughout rimmed with subhedral aggregates of pyrite, unit further possesses scattered patchy disseminations of pyrite.	780410	283.60	285.00	1.40		<.2	33	<2	42
		Approximately 5 to 6% pyrite overall, unit characterized as second Lower Mineralized Zone.	780411	285.00	285.50	.50		<.2	33	<2	42
		Moderately foliated with foliation at 50 degrees to core axis.	780412	293.70	294.80	1.10		.3	51	<2	77
		At 295.4 localized band of massive pyrite parallel to foliation, approximately 8 to 10%.									
		At 297.7 10 cm white quartz vein at 50 degrees to core axis with trace pyrite.									
		At 300.5 20 cm quartz vein at 60 degrees to core axis with 1 to 2% disseminated pyrite localized at vein contacts.									
		At 305.5 5 cm contorted folded quartz vein at 30 degrees to core axis rimmed with 2 to 3% disseminated pyrite.									
		At 306.6 3 cm quartz bleb rimmed with 6 to 7% semi-massive pyrite.									
		At 308.6 series of quartz stringers at 50 degrees to core axis and parallel to core axis with 4 to 5% disseminated pyrite.									
		Sharp foot wall contact at 50 degrees to core axis.									
		294.80 296.00 8 to 10% massive pyrite localized within fracture parallel to core axis.									
		296.00 297.50 4 to 5% localized semi-massive pyrite occurring sporadically throughout.									
		297.50 299.00 10 cm quartz vein at 50 degrees to core axis, approximately 3 to 4% disseminated pyrite localized within chloritic fractures.									
		299.00 300.50 Approximately 1 to 2% disseminated pyrite throughout lapilli tuffaceous section.									
		300.50 301.00 20 cm quartz vein at 50 degrees to core axis with approximately 1 to 2% disseminated pyrite localized at vein contacts.	780413	294.80	296.00	1.20		<.2	29	3	31
		301.00 302.00 3 to 4% disseminated and subhedral pyrite localized within fractures parallel to core axis.	780414	296.00	297.50	1.50		<.2	38	2	35
		302.00 303.50 4 cm quartz chlorite vein at 40 degrees to core axis with approximately 2 to 3% disseminated pyrite throughout wallrock.	780415	297.50	299.00	1.50	<5	<.2	39	5	43

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		303.50 305.00 1 to 2% disseminated pyrite throughout sericitized tuff.	780416	299.00	300.50	1.50		<.2	32	<2	44
		305.00 306.50 4 cm contorted folded quartz vein at 30 degrees to core axis rimmed with 3 to 4% subhedral pyrite.	780417	300.50	301.00	.50		<.2	21	4	32
		306.50 307.10 3 cm quartz bleb rimmed with 5 to 6% disseminated to semi-massive pyrite.	780418	301.00	302.00	1.00		<.2	39	4	47
		307.10 308.00 4 to 5% disseminated pyrite localized within network of chloritic fractures.	780419	302.00	303.50	1.50		<.2	35	3	41
		308.00 309.00 4 to 5% disseminated and subhedral pyrite localized within 1 cm quartz stringer parallel to core axis.	780420	303.50	305.00	1.50		<.2	38	<2	36
		309.00 310.00 2 to 3% disseminated pyrite.	780421	305.00	306.50	1.50		<.2	29	<2	41
		310.00 311.00 3 to 4% disseminated to semi-massive pyrite localized within quartz blebs and fractures.	780422	306.50	307.10	.60		<.2	34	6	35
		311.00 312.50 2 to 3% disseminated to subhedral pyrite restricted to chloritic fractures.	780423	307.10	308.00	.90	<5	<.2	22	4	31
312.20	316.00	LAPILLI TUFF									
		Dark grey, fine grained to medium grained, chloritic with pervasive carbonatization, massive mottled with scoriaceous carbonatized lapilli.	780424	308.00	309.00	1.00		<.2	30	3	41
		Unit possesses singular 2 cm quartz stringer at 315.2 at 75 degrees to core axis with approximately 3 to 4% localized subhedral pyrite.	780425	309.00	310.00	1.00		<.2	31	<2	39
		Sharp foot wall contact at 50 degrees to core axis.	780426	310.00	311.00	1.00		<.2	38	3	48
316.00	336.60	RHYOLITE TUFF									
		Light green, fine grained, sericitic, weakly foliated with foliation at 60 degrees to core axis, intercalated massive sections, numerous chloritic fractures throughout infilled with semi-massive pyrite.	780427	311.00	312.50	1.50		<.2	30	<2	43
		Unit characterized as third Lower Mineralized Zone with approximately 6 to 7% disseminated and semi-massive pyrite throughout.									
		Gradational foot wall contact at 50 degrees to core axis.									
		318.00 319.50 8 to 10% disseminated and semi-massive patches of pyrite localized within fractures.									
		319.50 321.00 4 to 5% massive pyrite localized within fractures, scattered quartz veins throughout, dacitic to rhyolitic.									
		321.00 322.50 8 to 10% disseminated and semi-massive pyrite restricted to fractures.									
		322.50 324.00 8 to 10% massive and semi-massive pyrite restricted to chlorite infilled fractures.									
		324.00 325.50 4 to 5% disseminated and semi-massive pyrite localized within chlorite infilled fractures.	780428	318.00	319.50	1.50	<5	.2	39	5	36
		328.70 330.00 5 to 6% semi-massive and subhedral pyrite localized within quartz stringer.	780429	319.50	321.00	1.50		.2	43	5	29
		330.00 331.50 4 to 5% localized semi-massive pyrite localized within chlorite infilled fracture.	780430	321.00	322.50	1.50		<.2	27	5	28
		331.50 333.00 3 to 4% scattered patchy disseminations of pyrite.	780431	322.50	324.00	1.50		<.2	29	5	25
		333.00 334.50 7 to 8% semi-massive aggregates of subhedral pyrite restricted to chlorite infilled fractures.	780432	324.00	325.50	1.50		.3	45	7	42
336.60	340.00	BLOCK TUFF									
		Light green, medium grained to coarse grained, sericitic, locally chloritic, lapilli tuffaceous with diffuse block sized subrounded to rounded sericitized tuffaceous fragments throughout.	780433	328.70	330.00	1.30		<.2	33	3	37

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Moderately foliated with foliation at 50 degrees to core axis, dark grey chloritic matrix, approximately 3 to 4% scattered patchy disseminations of pyrite throughout.	780434	330.00	331.50	1.50		<.2	33	3	46
		Sharp foot wall contact at 40 degrees to core axis.	780435	331.50	333.00	1.50		<.2	38	4	37
		337.50 338.00 4 to 5% localized patchy aggregate of subhedral pyrite.	780436	333.00	334.50	1.50	<5	<.2	38	3	38
		338.00 339.00 2 to 3% disseminated pyrite localized within chloritic matrix.									
		339.00 339.80 4 to 5% localized patches of semi-massive pyrite.									
340.00	346.00	RHYOLITE TUFF									
		Light green, fine grained, sericitic, weakly foliated with foliation at 65 degrees to core axis, locally chloritic with intercalated dark green lapilli tuffaceous sections.									
		Scattered quartz chlorite veins throughout at 75 degrees to core axis, approximately 2 to 3% scattered patches of finely disseminated pyrite with subhedral pyrite within finely disseminated pyritic groundmass.	780437	337.50	338.00	.50		<.2	34	5	38
		Sharp foot wall contact at 75 degrees to core axis.	780438	338.00	339.00	1.00		.2	28	4	20
		341.00 342.10 5 cm quartz chlorite vein at 75 degrees to core axis rimmed with 2 to 3% disseminated pyrite, localized patch of approximately 4 to 5% semi-massive pyrite.	780439	339.00	339.80	.80		.9	40	18	20
		343.50 344.50 Approximately 4 to 5% scattered patches of finely disseminated pyrite with subhedral pyrite.									
346.00	355.20	LAPILLI TUFF									
		Dark grey to dark green, fine grained to medium grained, predominantly chloritic, dacitic, massive, mottled with carbonatized feldspathic lapilli.									
		Weakly foliated with foliation at 50 degrees to core axis, scattered to rare quartz stringers and carbonate stringers parallel to foliation, trace pyrite.									
		Sharp foot wall contact at 35 degrees to core axis.	780440	341.00	342.10	1.10	5	<.2	35	2	36
355.20	360.90	RHYOLITE TUFF									
		Light green to dark green, predominantly sericitic, tuffaceous, locally chloritic with intercalated dacitic lapilli tuffaceous sections.	780441	343.50	344.50	1.00		<.2	32	4	36
		Weakly foliated with foliation at 60 degrees to core axis, localized quartz bleb at 360.3 rimmed with approximately 4 to 5% disseminated pyrite.									
		Sharp foot wall contact at 50 degrees to core axis.									
		360.00 360.50 4 cm quartz bleb parallel to core axis and rimmed with approximately 4 to 5% disseminated pyrite.									
360.90	365.00	LAPILLI TUFF									
		Dark grey, medium grained, chloritic, massive, mottled with carbonatized feldspathic scoriaceous lapilli.									
		Weakly foliated with foliation at 50 degrees to core axis, numerous chloritic fractures with diagenetic alteration, approximately 2 to 3% subhedral pyrite localized within chloritic fractures.									
365.00		END OF HOLE									
			780442	360.00	360.50	.50		<.2	22	<2	35



CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-08

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Northing: 650
Easting: -900
Elevation: 0

Collar Azi.: 180.0
Collar Dip: -45.0

*** Dip Tests ***

Depth	Azi.	Dip
50	182.7	-42.4
125	183.1	-41.1

Hole length: 125.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex

100

Comments: Drilled west of Teddy Lake
Logged by: P. Caldbick,'2001
Date(s) logged: February 07, 2001
Purpose: Test Quantec RSIP anomaly
Core storage: Moneta core facility, Timmins

Drill Hole: HAL01-09

Project: Halliday Dome
Property: Midlothian\Halliday
Claim: L 103655 (CLM 257)
Northing: 6+50 N
Easting: L 9+00 W
GPS Northing:
GPS Easting:
Date Started: February 01, 2001
Date completed: February 07, 2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 780443-515
Lab A report: T01-57067.0
Lab B:
Sample series B:
Lab B report:

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	6.00	OVERBURDEN CASING to 9.0 metre.									
6.00	10.10	LAPILLI TUFF Light green, fine grained to medium grained, sericitic, locally chloritic, massive, weakly foliated with foliation at 60 degrees to core axis, unit mottled with carbonatized feldspathic lapilli. Unit possesses approximately 3 to 4% scattered patchy disseminations of pyrite throughout parallel to foliation. From 6.0 to 6.4 drillhole collared in DIABASE with sharp foot wall contact at 80 degrees to core axis. From 6.6 to 7.5 fractured weathered vuggy section stained with gossan and limonitic alteration. Sharp foot wall contact at 80 degrees to core axis. 6.40 8.00 Approximately 2 to 3% disseminated pyrite, fractured and weathered section of core. 8.00 9.50 3 to 4% patchy disseminations of pyrite throughout lapilli tuffaceous section. 9.50 11.00 5 to 6% patchy disseminations and fractures infilled with subhedral pyrite.	780443 780444 780445	6.40 8.00 9.50	8.00 9.50 11.00	1.60 1.50 1.50		.8 .6 .9	30 11 29	9 3 9	47 47 60
10.10	29.50	RHYOLITE TUFF Light green, fine grained, sericitic, locally chloritic, moderately foliated tuffaceous mineralized zone with foliation at 50 degrees to core axis. Unit locally mottled with yellowish carbonatized scoriaceous feldspathic lapilli									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Unit possesses approximately 10 to 12% pyrite occurring as aggregates and clusters of subhedral pyrite crystals within quartz blebs and localized within chloritic fractures.									
		Pyrite further occurs as patchy disseminations aligned parallel to foliation, unit described as Upper Mineralized Zone.									
		From 17.0 to 21.0 unit extremely fractured with blocky core, fractures subparallel to core axis, probable joint fractures.									
		From 25.2 to 29.5 unit more rhyo-dacitic in composition and more mottled with lapilli pervasive carbonatization and pervasive chloritic alteration.									
		Sharp foot wall contact at 25 degrees to core axis.									
		11.00 12.50 5 to 6% patchy disseminations and subhedral pyrite restricted to quartz blebs.	780446	11.00	12.50	1.50		.9	26	7	22
		12.50 13.50 12 to 15% semi-massive subhedral pyrite localized within quartz blebs.	780447	12.50	13.50	1.00		1.7	62	15	32
		13.50 14.00 7 to 8% semi-massive subhedral pyrite localized within singular quartz bleb.	780448	13.50	14.00	.50	<5	.5	23	5	16
		14.00 15.50 10 to 12% semi-massive subhedral pyrite localized within fractures and quartz blebs throughout sericitized tuff.	780449	14.00	15.50	1.50		1.7	49	12	26
		15.50 17.00 3 to 4% subhedral pyrite localized within fractures, fractured blocky core.	780450	15.50	17.00	1.50	8	.9	30	6	22
		17.00 18.50 3 to 4% patchy disseminations of pyrite oriented parallel to foliation.	780451	17.00	18.50	1.50		1.0	40	11	49
		18.50 19.80 5 to 6% subhedral pyrite localized within chloritic fractures parallel to core axis.	780452	18.50	19.80	1.30		.7	35	6	68
		19.80 21.30 4 to 5% subhedral pyrite localized within fractures, extremely fractured blocky core.	780453	19.80	21.30	1.50		1.0	54	8	79
		21.30 23.00 4 to 5% patchy disseminations of pyrite aligned parallel to foliation.	780454	21.30	23.00	1.70		.5	30	4	73
		23.00 24.50 8 to 10% subhedral pyritic aggregates localized within fractures.	780455	23.00	24.50	1.50		1.7	61	9	140
		24.50 26.00 5 to 6% subhedral pyritic aggregates localized within fractures.	780456	24.50	26.00	1.50		.7	46	4	132
		26.00 27.50 8 to 10% subhedral pyritic aggregates localized within brecciated quartz bleb parallel to core axis.	780457	26.00	27.50	1.50		1.9	49	9	109
		27.50 29.00 7 to 8% subhedral pyritic aggregates throughout lapilli tuffaceous section.	780458	27.50	29.00	1.50	8	1.4	20	8	59
		29.00 30.00 6 to 7% localized subhedral pyritic aggregates.	780459	29.00	30.00	1.00		2.4	85	20	111
29.50	31.60	LAPILLI TUFF									
		Light grey, fine grained to medium grained, weakly foliated with foliation at 50 degrees to core axis, predominantly chloritic, weakly sericitic, massive and mottled with carbonatized scoriaceous lapilli.									
		Approximately 2 to 3% disseminated pyrite localized along fractures and ocurring as patchy disseminations parallel to foliation.									
		Gradational foot wall contact at 50 degrees to core axis.									
		30.00 31.50 2 to 3% subhedral to anhedral pyrite localized within chloritic fractures.	780460	30.00	31.50	1.50		.6	39	4	80
		31.50 33.00 3 to 4% finely disseminated and subhedral to anhedral pyrite localized within chloritic fractures.	780461	31.50	33.00	1.50		.8	34	9	33
31.60	39.70	RHYOLITE TUFF									
		Light green, fine grained, predominantly sericitic, locally chloritic, moderately foliated with foliation at 60 degrees to core axis, locally mottled									

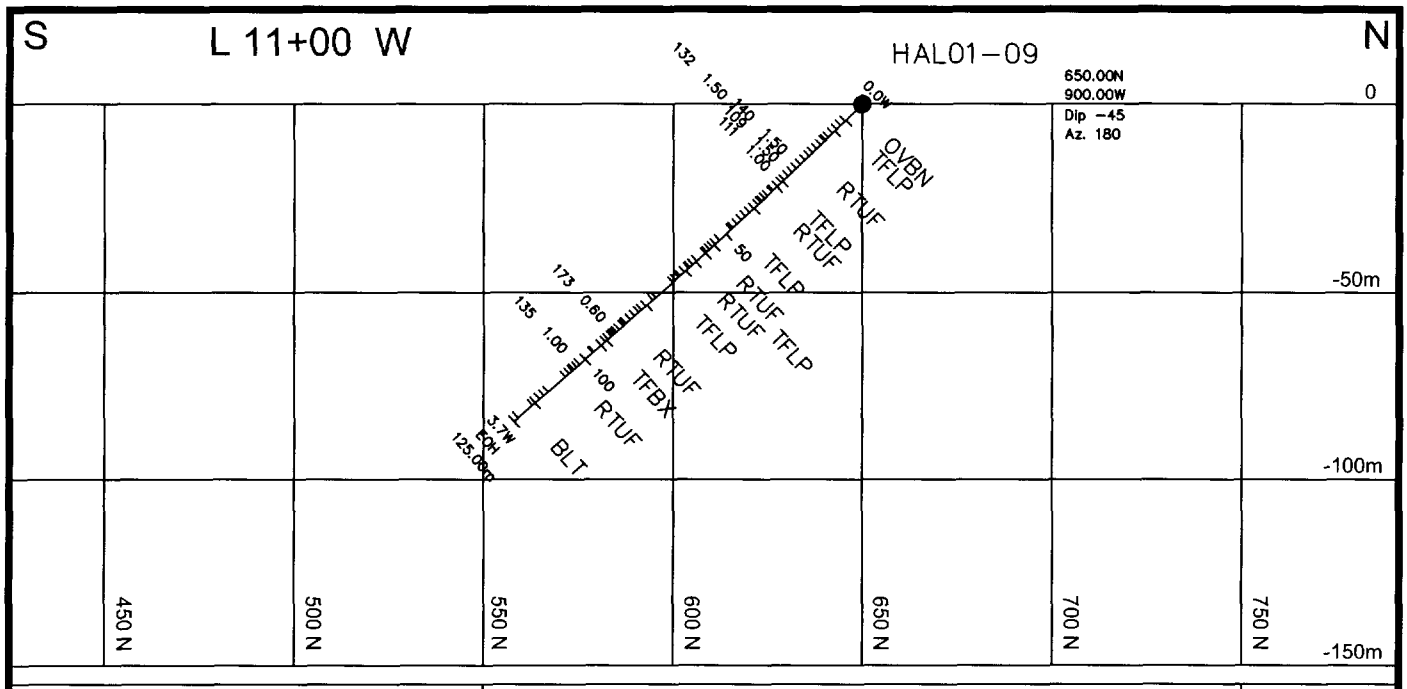
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		with carbonatized feldspathic lapilli.									
		Unit possesses numerous chloritic fractures infilled with approximately 4 to 5% anhedral to subhedral pyrite.									
		Rare quartz stringers parallel to foliation, gradational foot wall contact at 70 degrees to core axis.									
		33.00 33.50 6 to 7% subhedral to anhedral pyritic aggregates localized within chloritic fractures, possible localized flake of sphalerite localized at quartz stringer contact at 75 degrees to core axis.	780462	33.00	33.50	.50		2.0	46	64	50
		33.50 35.00 5 to 6% subhedral to anhedral pyritic aggregates localized within chloritic fractures parallel to foliation.	780463	33.50	35.00	1.50		.9	25	13	35
		35.00 36.00 Same as above.	780464	35.00	36.00	1.00		.5	33	3	32
		36.00 37.00 2 to 3% finely disseminated pyrite localized within chloritic fractures.	780465	36.00	37.00	1.00		.5	36	<2	38
		37.00 37.50 6 to 7% subhedral to anhedral pyritic aggregate localized within quartz bleb parallel to core axis.	780466	37.00	37.50	.50		.8	27	5	21
		37.50 38.50 3 to 4% finely disseminated pyrite localized within chloritic fractures parallel to foliation.	780467	37.50	38.50	1.00		.4	36	<2	44
		38.50 40.00 Same as above.	780468	38.50	40.00	1.50		.5	28	<2	46
39.70	54.30	LAPILLI TUFF									
		Light grey, fine grained to medium grained, predominantly chloritic, weakly sericitic, moderately foliated with foliation at 60 degrees to core axis, dacitic in composition and mottled with scoriaceous feldspathic lapilli.									
		Unit possesses approximately 3 to 4% anhedral to subhedral pyrite localized within chloritic fractures parallel to foliation.									
		Localized crosscutting chlorite and pyritic fractures parallel to foliation, rare quartz veins.									
		At 48.0 6 cm quartz vein at 75 degrees to core axis with wispy patches of sericitic alteration and approximately 2 to 3% localized disseminated pyrite.									
		Gradational foot wall contact at 80 degrees to core axis.									
		40.00 41.50 Same as above.	780469	40.00	41.50	1.50		.5	39	2	68
		41.50 43.00 5 to 6% subhedral to anhedral pyritic aggregates localized within chloritic fractures.	780470	41.50	43.00	1.50	<5	.6	48	3	81
		43.00 44.50 4 to 5% subhedral pyrite localized within chloritic fractures parallel to foliation.	780471	43.00	44.50	1.50		.8	35	4	88
		44.50 46.00 4 to 5% subhedral to anhedral pyrite localized within chloritic fractures parallel to core axis.	780472	44.50	46.00	1.50		1.1	31	11	62
		46.00 47.50 2 to 3% finely disseminated and subhedral pyrite localized within chloritic fractures.	780473	46.00	47.50	1.50		.7	29	2	57
		47.50 48.10 6 cm quartz vein at 75 degrees to core axis with 2 to 3% finely disseminated pyrite within vein, 2 to 3% anhedral pyrite localized within fractures.	780474	47.50	48.10	.60	<5	.4	32	2	62
		52.50 54.00 4 to 5% finely disseminated pyrite localized within chloritic fractures.	780475	52.50	54.00	1.50		.4	34	<2	66
		54.00 55.00 5 to 6% finely disseminated pyrite within chloritic fractures, localized 5 cm quartz vein at 60 degrees to core axis.	780476	54.00	55.00	1.00	<5	.6	43	<2	39
54.30	57.40	RHYOLITE TUFF									
		Light green, fine grained, sericitic, locally chloritic, moderately foliated with foliation at 50 degrees to core axis, weakly tuffaceous, approximately 4 to 5% patchy disseminations and fractures infilled with pyrite.									

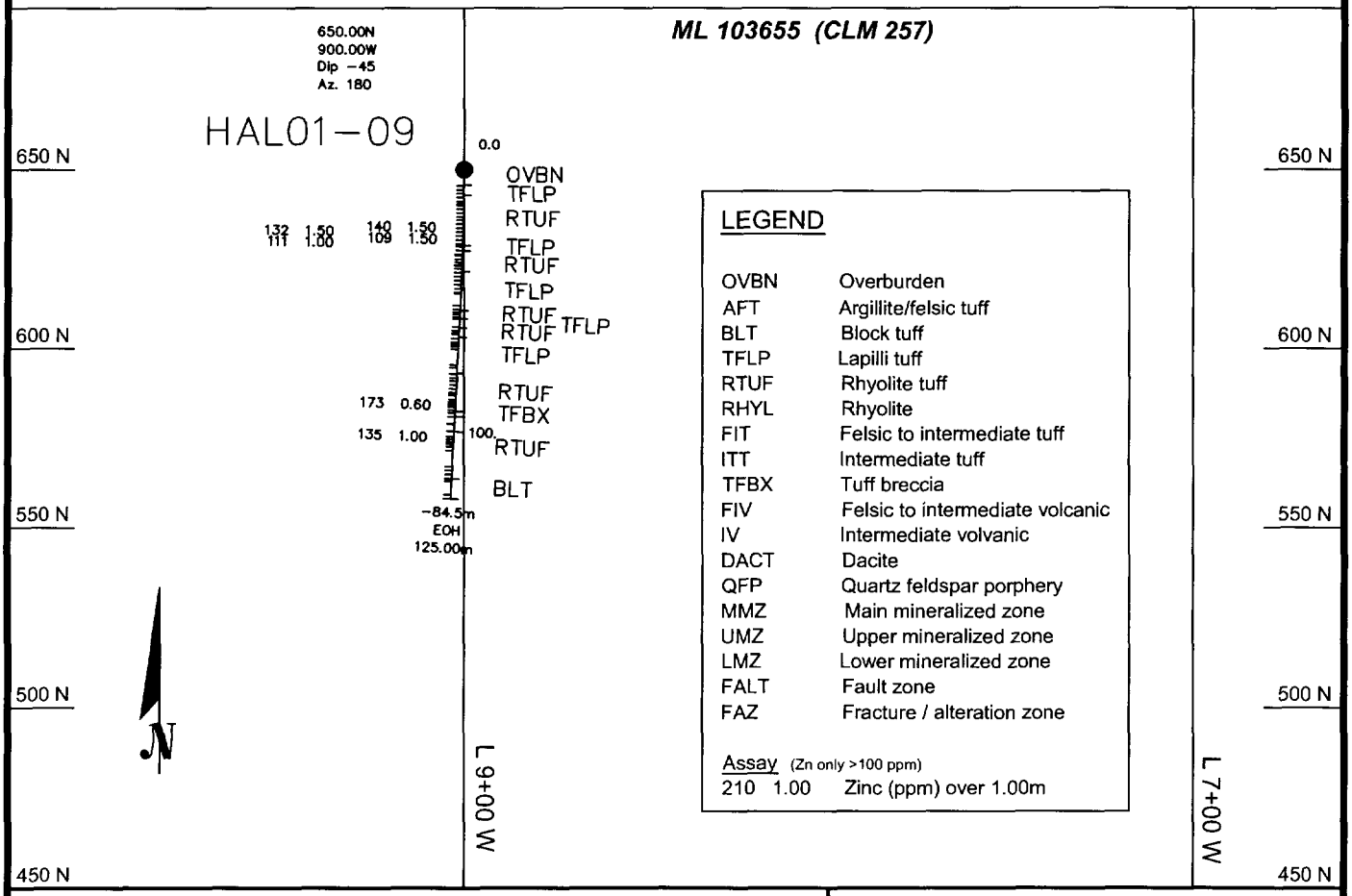
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		At 57.1 10 cm quartz chlorite vein at 40 degrees to core axis with approximately 2 to 3% finely disseminated pyrite localized at vein contacts. Sharp foot wall contact at 65 degrees to core axis.									
		55.00 56.00 4 to 5% finely disseminated and subhedral pyrite localized within chloritic fractures.	780477	55.00	56.00	1.00		.4	34	3	44
		56.00 57.00 5 to 6% patchy disseminations of pyrite throughout sericitized tuff.	780478	56.00	57.00	1.00		.3	30	<2	42
		57.00 57.50 10 cm quartz chlorite vein at 40 degrees to core axis with approximately 2 to 3% finely disseminated pyrite localized at vein contacts.	780479	57.00	57.50	.50		<.2	25	<2	76
57.40	60.80	LAPILLI TUFF									
		Dark grey to dark green, medium grained, predominantly chloritic, locally sericitic, weakly foliated with foliation at 55 degrees to core axis, mottled with diffuse scoriaceous feldspathic lapilli.									
		Unit rhyo-dacitic in composition with intercalated rhyolitic tuffaceous sections, approximately 3 to 4% patchy disseminations and fractures infilled with subhedral pyrite within sericitized tuffaceous sections.									
		Sharp foot wall contact at 50 degrees to core axis.									
		60.60 62.00 6 to 7% finely disseminated and subhedral to anhedral pyrite localized within brecciated quartz stringers and chlorite infilled fractures parallel to foliation.	780480	60.60	62.00	1.40		.3	47	<2	43
60.80	64.40	RHYOLITE TUFF									
		Light green, fine grained, predominantly sericitic, locally chloritic, moderately foliated with foliation at 50 degrees to core axis, unit possesses approximately 3 to 4% finely disseminated and subhedral pyrite localized within chloritic fractures throughout.									
		Intercalated lapilli tuffaceous sections, scattered quartz stringers and veins at 40 to 70 degrees to core axis.									
		At 63.2 6 cm quartz ankerite vein at 60 degrees to core axis with approximately 2 to 3% finely disseminated pyrite localized at vein contacts.									
		1 Cm quartz stringer at 40 degrees to core axis localized at unit foot wall contact.									
		62.00 63.00 3 to 4% finely disseminated and subhedral pyrite localized within quartz stringers and blebs parallel to foliation.	780481	62.00	63.00	1.00		.2	23	<2	33
		63.00 63.50 6 cm quartz vein at 60 degrees to core axis with 2 to 3% disseminated pyrite localized at vein contacts.	780482	63.00	63.50	.50	<5	.2	27	<2	53
		63.50 65.00 4 to 5% patchy disseminations of pyrite throughout sericitized tuff.	780483	63.50	65.00	1.50		.2	28	<2	64
64.40	78.10	LAPILLI TUFF									
		Light grey to light green, fine grained to medium grained, predominantly chloritic, moderately sericitic, moderately foliated with foliation at 60 degrees to core axis.									
		Unit described as mixed zone with intercalated sericitized tuffaceous sections, predominantly chloritic rhyo-dacitic lapilli tuffaceous sections and massive dacitic sections.									
		Approximately 3 to 4% patchy disseminations and finely disseminated to subhedral pyrite localized within chloritic fractures within sericitized tuffaceous sections.									
		At 64.6 4 cm quartz vein at 25 degrees to core axis with 3 to 4% patchy anhedral pyrite localized at vein contacts.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		At 66.8 4 cm quartz vein at 65 degrees to core axis with approximately 3 to 4% finely disseminated and patchy disseminations within vein.									
		At 70.8 3 cm brecciated quartz vein at 40 degrees to core axis with approximately 1 to 2% finely disseminated pyrite throughout surrounding wallrock Sharp foot wall contact at 50 degrees to core axis.									
		65.00 66.50 4 to 5% disseminated and subhedral pyrite localized within quartz blebs and chlorite infilled fractures.	780484	65.00	66.50	1.50		.3	37	<2	69
		66.50 67.00 5 cm quartz vein at 60 degrees to core axis with approximately 3 to 4% disseminated and subhedral pyrite localized within vein.	780485	66.50	67.00	.50		.4	38	<2	87
		67.00 68.00 3 to 4% finely disseminated and subhedral pyrite localized within quartz blebs parallel to foliation.	780486	67.00	68.00	1.00		.3	32	<2	72
		68.00 69.00 3 to 4% finely disseminated and subhedral pyrite localized within chloritic fractures at 75 degrees to core axis.	780487	68.00	69.00	1.00		.3	35	2	58
		75.00 76.00 5 to 6% patchy disseminations of pyrite throughout sericitized tuff.	780488	75.00	76.00	1.00	<5	.4	32	<2	52
78.10	92.40	RHYOLITE TUFF									
		Light green, fine grained, sericitic, massive to weakly tuffaceous, weakly foliated with foliation at 50 degrees to core axis, numerous chlorite infilled fractures throughout.									
		Approximately 3 to 4% finely disseminated and subhedral pyrite localized within chloritic fractures and occurring as patchy disseminations.									
		Numerous quartz chlorite veins throughout with approximately 3 to 4% disseminated pyrite localized along vein contacts.									
		At 83.4 2 cm quartz vein at 60 degrees to core axis rimmed with chlorite and approximately 1 to 2% finely disseminated pyrite.									
		At 88.1 7 cm quartz chlorite vein at 10 degrees to core axis with approximately 3 to 4% finely disseminated and subhedral pyrite localized along vein contacts.									
		At 89.7 4 cm quartz bleb parallel to core axis with approximately 3 to 4% subhedral and semi-massive pyrite within vein.									
		From 90.3 to 90.7 5 cm brecciated quartz vein parallel to core axis with chloritic xenoliths and patches of ankerite, 4 to 5% anhedral to subhedral pyrite within vein.									
		At 91.0 6 cm quartz vein at 70 degrees to core axis with rusted ankeritic alteration.									
		At 91.4 fractured rusted vuggy ankeritic section, foot wall contact at 65 degrees to core axis.									
		78.50 80.00 5 to 6% finely disseminated and subhedral pyrite localized within chloritic fractures throughout sericitized tuff.	780489	78.50	80.00	1.50		<.2	30	<2	31
		80.00 81.00 Same as above.	780490	80.00	81.00	1.00	<5	.3	39	<2	26
		81.00 82.50 3 to 4% finely disseminated pyrite localized within chloritic fractures.	780491	81.00	82.50	1.50		.7	31	4	22
		82.50 84.00 2 cm localized quartz vein at 50 degrees to core axis, approximately 6 to 7% finely disseminated pyrite localized within chloritic fractures.	780492	82.50	84.00	1.50		1.3	28	6	39
		84.00 85.50 Approximately 1 to 2% finely disseminated pyrite throughout sericitized tuff.	780493	84.00	85.50	1.50		.2	25	<2	28
		85.50 86.00 10 cm quartz chlorite vein at 50 degrees to core axis rimmed with 3 to 4% finely disseminated and subhedral pyrite.	780494	85.50	86.00	.50	<5	.6	19	<2	40
		86.00 86.50 5 cm brecciated quartz ankerite vein at 70 degrees to core axis with approximately 3 to 4% subhedral pyrite within vein.	780495	86.00	86.50	.50		.6	49	4	42
		86.50 88.00 2 to 3% patchy disseminations of pyrite throughout sericitized tuff.	780496	86.50	88.00	1.50		<.2	30	<2	36

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		88.00 89.00 7 cm quartz chlorite vein at 20 degrees to core axis with approximately 2 to 3% finely disseminated and subhedral pyrite localized along vein contacts.	780497	88.00	89.00	1.00		.4	30	<2	62
		89.00 89.60 5 to 6% finely disseminated pyrite localized within quartz blebs parallel to core axis.	780498	89.00	89.60	.60		.4	18	<2	56
		89.60 90.20 6 to 7% patchy disseminations of pyrite and subhedral pyrite localized within quartz blebs parallel to core axis.	780499	89.60	90.20	.60		.5	20	<2	50
		90.20 90.80 7 to 8% subhedral to anhedral pyrite within quartz bleb parallel to core axis.	780500	90.20	90.80	.60		.8	24	<2	173
		90.80 92.00 5 to 6% finely disseminated pyrite within brecciated quartz veins throughout sericitized tuff, altered and rusted fractures throughout	780501	90.80	92.00	1.20	<5	.5	26	<2	47
		92.00 93.00 3 to 4% patchy disseminations of pyrite throughout sericitized tuff.	780502	92.00	93.00	1.00		.5	28	<2	91
92.40	94.30	TUFF BRECCIA Dark green to light green, fine grained to medium grained, sericitic, locally chloritic, moderately foliated with foliation at 50 degrees to core axis, variably tuffaceous with localized brecciated zones comprised of chloritic angular fragments within brecciated silicified matrix. Zone possesses approximately 2 to 3% finely disseminated pyrite throughout, sharp foot wall contact at 60 degrees to core axis.									
		93.00 94.40 1 to 2% finely disseminated pyrite occurring within brecciated sections with chloritic xenoliths and silicified brecciated matrix.	780503	93.00	94.40	1.40		.3	24	<2	90
94.30	117.50	RHYOLITE TUFF Light green, fine grained, massive to locally tuffaceous, sericitic, silicified, weakly foliated with foliation at 50 degrees to core axis, subhedral quartz phenocrysts within sericitic groundmass throughout. Unit possesses numerous quartz ankerite veins with 3 to 4% finely disseminated and subhedral to anhedral pyrite localized within quartz veins. At 85.2 4 cm brecciated quartz ankerite vein at 20 degrees to core axis with approximately 2 to 3% scattered anhedral to subhedral pyrite within vein. At 102.3 4 cm quartz vein at 60 degrees to core axis with approximately 10 to 12% semi-massive pyrite localized within vein. At 103.2 6 cm quartz vein at 70 degrees to core axis with 2 to 3% finely disseminated pyrite within vein. From 104.7 to 105.6 70 cm white quartz ankerite chlorite vein at 20 degrees to core axis with approximately 1 to 2% finely disseminated pyrite localized at fractured vein contacts. At 106.5 7 cm quartz ankerite vein at 65 degrees to core axis with 2 to 3% finely disseminated pyrite within vein. Sharp foot wall contact at 50 degrees to core axis.									
		97.00 97.30 7 cm quartz ankerite vein at 40 degrees to core axis with approximately 2 to 3% finely disseminated pyrite within vein.	780504	97.00	97.30	.30		.3	19	<2	53
		97.30 100.00 3 2 cm quartz chlorite veins at 40 degrees to core axis rimmed with approximately 2 to 3% finely disseminated pyrite.	780505	97.30	100.00	2.70		.3	21	<2	42
		102.00 103.00 10 to 12% semi-massive and subhedral pyrite localized within 5 cm quartz vein at 60 degrees to core axis.	780506	102.00	103.00	1.00		.7	28	<2	135
		103.00 104.00 2 to 3% finely disseminated pyrite localized within 6 cm quartz vein at 75 degrees to core axis.	780507	103.00	104.00	1.00		<.2	31	<2	56
		104.00 104.60 6 cm quartz ankerite vein at 50 degrees to core axis with 2 to 3% finely disseminated pyrite.	780508	104.00	104.60	.60		<.2	28	<2	57

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		104.60 105.60 70 cm quartz ankerite chlorite vein at 30 degrees to core axis with faulted contacts and approximately 1 to 2% finely disseminated pyrite localized at vein contacts.	780509	104.60	105.60	1.00	<5	<.2	5	2	25
		105.60 107.00 6 cm localized quartz ankerite vein at 75 degrees to core axis with 2 to 3% finely disseminated pyrite within vein.	780510	105.60	107.00	1.40		.2	28	<2	38
		113.00 114.50 2 to 3% patchy disseminations and finely disseminated pyrite localized within fractures.	780511	113.00	114.50	1.50		<.2	35	<2	35
		114.50 116.00 Same as above.	780512	114.50	116.00	1.50	<5	.3	26	<2	30
		116.00 117.50 3 to 4% patchy disseminations of pyrite throughout sericitized tuff.	780513	116.00	117.50	1.50		.2	30	<2	22
117.50	125.00	BLOCK TUFF Light green, medium grained to coarse grained, predominantly sericitic, locally chloritic, highly foliated with foliation at 60 degrees to core axis, strong overprinting of wispy sericitic alteration throughout. Unit possesses tightly packed subrounded to rounded sericitized tuffaceous fragments and dacitic lapilli tuffaceous fragments within brecciated chloritic and silicified matrix. From 121.4 to 122.4 dark grey to dark green, fine grained to aphanitic MAFIC DYKE with hanging wall and foot wall contacts at 65 degrees to core axis. From 122.4 to 125.0 tightly packed BLOCK TUFF with strong overprinting of waxy wispy sericitic alteration. From 122.4 to 125.0 unit possesses subrounded to rounded cherty calcedonic fragments. At 124.3 localized fault gouge with fractures at 80 degrees to core axis, unit further described as ALTERATION ZONE. 117.50 118.50 3 to 4% finely disseminated pyrite throughout sericitized BLOCK TUFF.	780514	117.50	118.50	1.00		.3	37	<2	60
		123.50 125.00 0.5 to 1% finely disseminated pyrite, sericitized BLOCK TUFF.	780515	123.50	125.00	1.50		<.2	47	<2	7
125.00		END OF HOLE									





LEGEND

OVBN	Overburden
AFT	Argillite/felsic tuff
BLT	Block tuff
TFLP	Lapilli tuff
RTUF	Rhyolite tuff
RHYL	Rhyolite
FIT	Felsic to intermediate tuff
ITT	Intermediate tuff
TFBX	Tuff breccia
FIV	Felsic to intermediate volcanic
IV	Intermediate volvanic
DACT	Dacite
QFP	Quartz feldspar porphery
MMZ	Main mineralized zone
UMZ	Upper mineralized zone
LMZ	Lower mineralized zone
FALT	Fault zone
FAZ	Fracture / alteration zone

Assay (Zn only >100 ppm)
210 1.00 Zinc (ppm) over 1.00m

SCALE
0 50 100
metres

CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-09

May 2003	R. Skeries

Date: 22 May, 2003

CANADIAN ARROW MINES LTD.

DRILL HOLE RECORD

Northing: 770
Easting: -1085
Elevation: 0

Collar Azi.: 325.0
Collar Dip: -45.0

*** Dip Tests ***

Depth	Azi.	Dip
71	331.8	-46.4
116	330.6	-46.4

Hole length: 116.00
Units: Metric
Core size: NQ
Grid: Metric '00

Materials left: Casing
Collar survey: No
DH Survey method: Reflex

110

Comments: Drilled north of Arrow showing
Logged by: P. Caldbick, March 7, 2001
Date(s) logged: March 07 - 10, 2001
Purpose: Test S Campbell Lake structure anomaly
Core storage: Moneta core facility, Timmins

Drill Hole: HAL01-10

Project: Halliday Dome
Property: Midlothian\Halliday
Claim: L 103655 (CLM 257)
Northing: 7+70 N
Easting: L 10+85 W
GPS Northing:
GPS Easting:
Date Started: February 23, 2001
Date completed: February 25, 2001
Drilled by: Norex
Sample type: Cut core
Analyses: Au FA, 34 element ICP
Lab A: Bondar-Clegg
Sample series A: 780532-586
Lab A report: T01-57069.0
Lab B:
Sample series B:
Lab B report:

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
.00	5.00	OVERBURDEN CASING to 6.0 metre.									
5.00	12.30	RHYOLITE TUFF Light green, fine grained, sericitic, locally chloritic, moderately foliated with foliation at 60 degrees to core axis, unit predominantly tuffaceous and locally lapilli tuffaceous. Unit possesses approximately 6 to 7% localized semi-massive to massive pods and patches of pyrite throughout. Second generation of subhedral pyritic aggregates rimming massive pyrite pods. From 5.7 to 7.7 core strongly fractured with gossan and limonitic weathering on fractured surfaces. At 9.0 locally block tuffaceous with diffuse rounded sericitized fragments within chloritic matrix. From 10.5 to 12.3 predominantly chloritic and block tuffaceous with rounded block sized sericitized tuffaceous fragments within chloritic tuffaceous matrix. Rounded sericitized tuffaceous fragments resemble selvages with diagenetic alteration along fragment boundaries. Sharp foot wall contact at 40 degrees to core axis.									
		5.00 6.10 7 to 8% localized semi-massive pyrite and scattered patchy disseminations.	780532	5.00	6.10	1.10		.9	139	14	63
		8.00 9.00 3 to 4% patchy disseminations of pyrite throughout sericitized tuff.	780533	8.00	9.00	1.00		.3	37	3	119
		9.00 9.50 12 to 15% localized semi-massive to massive pyrite parallel to core axis.	780534	9.00	9.50	.50		.9	199	9	3868
		9.50 11.00 2 to 3% scattered patchy disseminations of pyrite within sericitized	780535	9.50	11.00	1.50		<.2	37	4	61

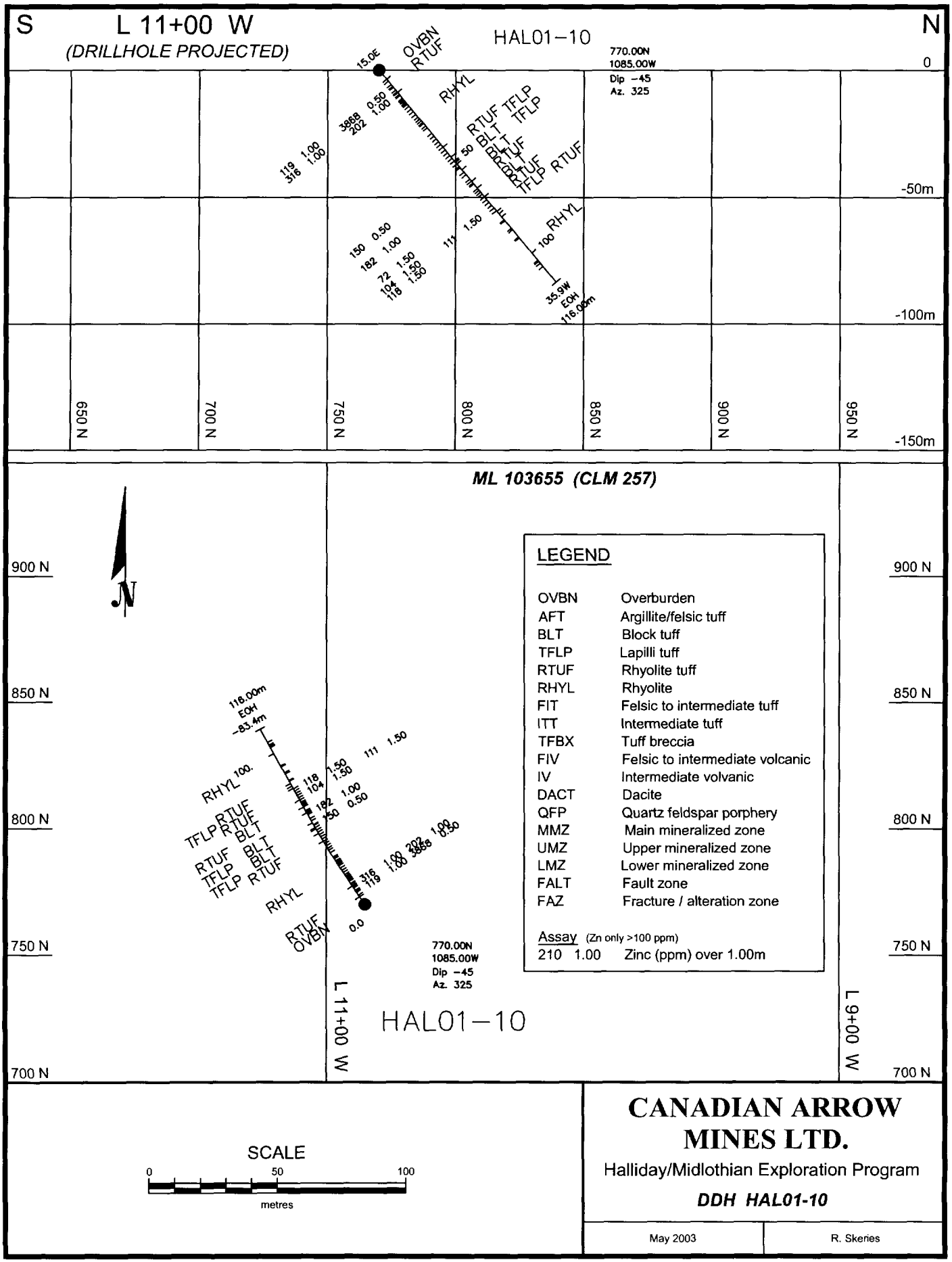
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		tuff.									
		11.00 12.00 4 to 5% scattered patchy disseminations of pyrite.	780536	11.00	12.00	1.00	<5	.3	50	7	316
		12.00 12.50 15 to 20% localized massive to semi-massive pods and blebs of pyrite	780537	12.00	12.50	.50		1.0	144	13	49
12.30	42.50	RHYOLITE									
		Light green, fine grained to aphanitic, sericitic, locally chloritic, massive to locally tuffaceous, weakly foliated with foliation at 60 degrees to core axis									
		Unit speckled with subhedral quartz phenocrysts and rare fuschitic flakes, scattered dark grey chlorite diagenetically altered fractures throughout.									
		Approximately 4 to 5% localized semi-massive pyritic pods and finely disseminated to subhedral pyritic aggregates restricted to chlorite infilled fractures.									
		Dark grey chloritic infilled fractures resemble pillow selvages.									
		From 33.5 to 42.5 unit exhibits increasing chlorite content with numerous microfractures infilled with chlorite and speckled with chloritic flakes.									
		Foot wall contact at 80 degrees to core axis.									
		12.50 13.50 4 to 5% semi-massive pyrite restricted to fractures at 60 degrees to core axis.	780538	12.50	13.50	1.00		<.2	29	<2	202
		13.50 14.00 8 to 10% localized semi-massive pyrite localized within quartz vein at 65 degrees to core axis.	780539	13.50	14.00	.50		.4	27	5	74
		14.00 15.50 1 to 2% finely disseminated pyrite throughout sericitized tuff.	780540	14.00	15.50	1.50		.2	38	<2	35
		15.50 16.00 7 to 8% semi-massive pyrite restricted to quartz vein at 80 degrees to core axis.	780541	15.50	16.00	.50		.5	26	15	42
		16.00 16.50 2 to 3% subhedral pyrite localized within fractures at 50 degrees to core axis.	780542	16.00	16.50	.50		.2	68	3	29
		16.50 17.00 5 to 6% localized semi-massive and subhedral pyrite localized within contorted quartz vein at 50 degrees to core axis.	780543	16.50	17.00	.50		.3	18	<2	37
		17.00 17.80 0.5 to 1% finely disseminated pyrite.	780544	17.00	17.80	.80		<.2	36	<2	73
		17.80 18.30 12 to 15% massive to semi-massive pod of pyrite.	780545	17.80	18.30	.50		.3	26	5	48
		18.30 18.90 6 to 7% patchy disseminations and massive pods of pyrite.	780546	18.30	18.90	.60		.4	61	<2	39
		18.90 20.00 1 to 2% finely disseminated pyrite restricted to fractures parallel to core axis.	780547	18.90	20.00	1.10		.2	30	<2	28
		20.00 21.50 4 to 5% semi-massive pyrite restricted to fractures.	780548	20.00	21.50	1.50		<.2	37	<2	27
		23.00 24.50 5 to 6% semi-massive pyrite restricted to contorted chloritic fractures at 50 degrees to core axis.	780549	23.00	24.50	1.50	<5	<.2	36	<2	26
		24.50 26.00 4 to 5% semi-massive pyrite localized within scattered chloritic fractures.	780550	24.50	26.00	1.50		<.2	36	<2	35
		26.00 27.00 6 to 7% semi-massive, subhedral and patchy disseminations of pyrite.	780551	26.00	27.00	1.00		.2	32	<2	70
		27.00 28.00 Same as above.	780552	27.00	28.00	1.00		<.2	22	<2	36
		28.00 29.00 Same as above.	780553	28.00	29.00	1.00		<.2	52	<2	54
		29.00 29.60 10 to 12% semi-massive to massive and subhedral pyrite localized within chloritic fractures at 35 to 50 degrees to core axis.	780554	29.00	29.60	.60		.5	32	4	38
		29.60 31.00 4 to 5% patchy disseminations and finely disseminated pyrite localized along chloritic fractures.	780555	29.60	31.00	1.40		.2	36	<2	34
		31.00 32.00 10 to 12% semi-massive bands of pyrite localized along chloritic fractures at 40 to 20 degrees to core axis.	780556	31.00	32.00	1.00		.5	43	6	31
		35.00 36.50 3 to 4% finely disseminated and semi-massive pyrite restricted to chloritic fractures at 50 to 60 degrees to core axis.	780557	35.00	36.50	1.50		<.2	50	<2	50
		36.50 38.00 4 to 5% finely disseminated and subhedral pyrite localized along chlorite infilled fractures at 60 degrees to core axis.	780558	36.50	38.00	1.50	<5	<.2	26	<2	33
		38.00 39.50 2 to 3% finely disseminated pyrite localized along chloritic	780559	38.00	39.50	1.50		.2	29	<2	31

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		fractures.									
		39.50 41.00 7 to 8% finely disseminated and subhedral pyrite localized along chloritic fractures at 60 to 70 degrees to core axis.	780560	39.50	41.00	1.50		.2	27	<2	47
		41.00 42.50 4 to 5% subhedral pyritic aggregates localized along chloritic fractures.	780561	41.00	42.50	1.50	<5	<.2	30	<2	35
42.50	47.80	RHYOLITE TUFF									
		Light green to dark green, fine grained to medium grained, predominantly sericitic with increasingly localized chloritic sections, moderately foliated with foliation at 60 degrees to core axis.									
		Light green sericitized tuffaceous sections speckled with subhedral quartz phenocrysts, chloritic sections mottled with diffuse feldspathic lapilli.									
		Approximately 3 to 4% finely disseminated, subhedral and semi-massive pyrite restricted to quartz ankerite stringers at 40 to 50 degrees to core axis.									
		Fractured foot wall contact at 10 degrees to core axis.									
		42.50 44.00 3 to 4% localized subhedral pyritic aggregates throughout chloritic and sericitized tuff.	780562	42.50	44.00	1.50		.3	36	<2	87
		44.00 45.50 Same as above.	780563	44.00	45.50	1.50		<.2	31	<2	77
		45.50 47.00 5 to 6 localized subhedral pyritic aggregates localized along quartz ankerite stringers at 75 degrees to core axis.	780564	45.50	47.00	1.50		.4	30	<2	58
		47.00 48.50 5 to 6% localized semi-massive pyrite within quartz bleb parallel to core axis.	780565	47.00	48.50	1.50	6	.5	47	8	89
47.80	50.70	LAPILLI TUFF									
		Dark green to light green, medium grained, predominantly chloritic, locally sericitic, unit marked by increased chloritic content and less frequent sericitized tuffaceous sections.									
		Dark green chloritic sections mottled with diffuse scoriaceous feldspathic lapilli, sericitized tuffaceous sections possess subhedral quartz phenocrysts and chloritic flakes.									
		Moderately foliated with foliation at 60 degrees to core axis, approximately 2 to 3% finely disseminated and subhedral pyrite localized within chloritic fractures.									
		Sharp foot wall contact at 45 degrees to core axis.									
		48.50 50.00 3 to 4% subhedral pyritic aggregates localized within chloritic fractures parallel to foliation.	780566	48.50	50.00	1.50		.2	22	6	62
		50.00 51.50 3 to 4% patchy disseminations of pyrite throughout BLOCK TUFF.	780567	50.00	51.50	1.50		.3	26	4	43
50.70	51.60	BLOCK TUFF									
		Light green to dark green, brief intercalated subunit comprised of sericitized tuffaceous subangular to angular fragments within chloritic matrix.									
		Unit possesses approximately 4 to 5% patchy disseminations of pyrite throughout, moderately foliated with foliation at 60 degrees to core axis.									
		Sharp foot wall contact at 60 degrees to core axis.									
		51.50 53.00 2 to 3% finely disseminated and subhedral pyrite localized within fractures parallel to foliation.	780568	51.50	53.00	1.50		<.2	28	<2	62
51.60	54.70	LAPILLI TUFF									
		Dark green to light green, predominantly chloritic, locally sericitic, comprised of chloritic lapilli tuffaceous sections intercalated with sericitized tuffaceous sections.									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		Unit similar to unit from 47.8 to 50.7 with 2 to 3% finely disseminated and subhedral pyrite localized along chloritic fractures. Moderately foliated with foliation at 50 degrees to core axis, sharp foot wall contact at 40 degrees to core axis.									
		53.00 53.50 3 to 4% subhedral pyritic aggregates localized within quartz stringer at 50 degrees to core axis.	780569	53.00	53.50	.50		.9	57	5	150
54.70	61.20	BLOCK TUFF									
		Light green to dark green, medium grained to coarse grained, sericitic and chloritic tightly packed block tuffaceous unit comprised of subangular to subrounded sericitized tuffaceous and dacitic fragments within chloritic matrix. From 56.0 to 61.2 predominantly subangular to rounded sericitized tuffaceous fragments and light grey rounded lapilli tuffaceous fragments within chloritic matrix. Moderately foliated with foliation at 50 degrees to core axis, approximately 3 to 4% subhedral pyritic aggregates localized within contorted ankerite stringers proximal to foot wall contact. Gradational foot wall contact at 50 degrees to core axis.									
		56.00 57.50 3 to 4% patchy disseminations of pyrite throughout BLOCK TUFF.	780570	56.00	57.50	1.50		.3	33	7	58
		60.00 61.00 6 to 7% semi-massive pyrite rimming contorted ankerite veins.	780571	60.00	61.00	1.00	<5	.6	36	4	182
		61.00 62.00 Bracket sample, 0.5 to 1% finely disseminated pyrite.	780572	61.00	62.00	1.00		<.2	28	<2	55
61.20	64.80	RHYOLITE TUFF									
		Light green to dark green, fine grained, predominantly sericitic, locally chloritic, massive to locally tuffaceous and lapilli tuffaceous, weakly foliated with foliation at 50 degrees to core axis. Scattered quartz ankerite stringers at 20 to 50 degrees to core axis rimmed with approximately 3 to 4% finely disseminated pyrite, gradational foot wall contact at 75 degrees to core axis.									
		62.00 62.50 4 to 5% finely disseminated and semi-massive pyrite rimming quartz stringers at 10 to 40 degrees to core axis.	780573	62.00	62.50	.50		.7	26	2	35
64.80	69.50	BLOCK TUFF									
		Light green to dark green predominantly sericitic, locally chloritic, intercalated sericitized tuffaceous sections with flowy brecciated sericitic and chloritic intervals. Unit comprised of sericitized tuffaceous and dacitic lapilli tuffaceous rounded block sized fragment within chloritic matrix with wispy sericitic alteration within matrix. Numerous fractures parallel to core axis infilled with quartz and rimmed with approximately 3 to 4% disseminated pyrite. Unit best described as localized ALTERATION ZONE with overprinting of sericitic alteration. Sharp foot wall contact at 70 degrees to core axis.									
		65.00 66.00 3 to 4% semi-massive pyrite localized within quartz bleb parallel to core axis.	780574	65.00	66.00	1.00		.3	53	<2	83
		66.00 67.00 2 to 3% semi-massive pyrite localized along fracture subparallel to core axis.	780575	66.00	67.00	1.00		.4	75	5	82
		67.00 68.00 2 to 3% localized subhedral pyrite within brecciated chloritic matrix between fragments.	780576	67.00	68.00	1.00		.4	42	4	77
		68.00 69.50 4 to 5% localized semi-massive pyrite localized along fractures at	780577	68.00	69.50	1.50		.4	20	7	72

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		70 degrees to core axis.									
69.50	77.30	RHYOLITE TUFF Light green to dark green, predominantly sericitic, locally chloritic, massive to tuffaceous, moderately foliated with foliation at 60 degrees to core axis. Unit possesses numerous brecciated quartz ankerite stringers and chloritic fractures infilled with approximately semi-massive and subhedral pyrite. Massive sericitized tuffaceous sections speckled with subhedral quartz phenocrysts, sharp foot wall contact at 50 degrees to core axis.									
		71.00 72.50 8 to 10% finely disseminated and subhedral pyrite localized within quartz stringers at 10 to 40 degrees to core axis.	780578	71.00	72.50	1.50	7	.5	34	6	60
		72.50 74.00 5 to 6% localized semi-massive pyrite within quartz stringers subparallel to core axis.	780579	72.50	74.00	1.50		.3	55	11	104
		74.00 75.50 2 to 3% finely disseminated pyrite rimming chloritic fractures subparallel to core axis.	780580	74.00	75.50	1.50		.5	30	7	111
		75.50 77.00 2 to 3% finely disseminated and subhedral pyrite localized along ankerite stringers at 50 to 70 degrees to core axis.	780581	75.50	77.00	1.50		.3	35	9	118
77.30	78.70	LAPILLI TUFF Dark green, medium grained, massive, weakly foliated, predominantly chloritic, mottled with carbonatized scoriaceous feldspathic lapilli. Foliation at 60 degrees to core axis, sharp foot wall contact at 75 degrees to core axis, subunit may represent singular lapilli tuffaceous fragment.									
78.70	80.40	RHYOLITE TUFF Yellow-green, strongly sericitic, highly foliated tuffaceous unit with foliation at 50 degrees to core axis, unit speckled with angular quartz phenocrysts aligned parallel to well developed foliation. Trace sulphide noted sharp foot wall contact at 70 degrees to core axis. Light green, aphanitic, sericitic, silicified, massive, weakly foliated with foliation at 50 degrees to core axis, numerous quartz stringers at 50 to 65 degrees to core axis. Scattered quartz stringers throughout possess approximately 0.5 to 1% patchy chalcopyrite, unit possesses approximately 0.5 to 1% finely disseminated pyrite throughout. From 78.7 to 95.0 unit massive, silicified with pervasive carbonatization. From 95.0 to 107.0 unit becomes more tuffaceous with subhedral quartz phenocrysts aligned parallel to foliation and approximately 1 to 2% finely disseminated pyrite throughout. From 107.0 to 116.0 unit becomes massive and homogenous with pervasive sericitic alteration and pervasive carbonatization.									
78.70	116.00	RHYOLITE									
		82.00 82.50 2 cm localized quartz stringer at 40 degrees to core axis with approximately 0.5 to 1% patchy chalcopyrite.	780582	82.00	82.50	.50	<5	<.2	12	3	23
		86.80 87.60 1 cm quartz stringer at 40 degrees to core axis rimmed with 1 to 2% finely disseminated pyrite and 0.5 to 1% patchy chalcopyrite.	780583	86.80	87.60	.80		.4	194	<2	13
		91.40 92.00 2 to 3% localized finely disseminated semi-massive pyrite localized within quartz bleb parallel to core axis.	780584	91.40	92.00	.60		<.2	10	<2	28
		104.00 104.60 2 cm quartz stringer at 10 degrees to core axis with 1 to 2% patchy chalcopyrite within stringer.	780585	104.00	104.60	.60		.7	71	2	66

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	AU ppb	AG ppm	Cu ppm	PB ppm	ZN ppm
		105.60 107.30 1 cm quartz stringer parallel to core axis with 0.5 to 1% localized patchy chalcopyrite.	780586	105.60	107.30	1.70		<.2	13	<2	30
116.00		END OF HOLE									



CANADIAN ARROW MINES LTD.

Halliday/Midlothian Exploration Program

DDH HAL01-10

May 2003	R. Skeries

Work Report Summary

Transaction No: W0360.00912 **Status:** APPROVED
Recording Date: 2003-MAY-28 **Work Done from:** 2001-JAN-08
Approval Date: 2003-JUN-06 **to:** 2001-MAY-31

Client(s):

115328 CANADIAN ARROW MINES LIMITED
171667 MONETA PORCUPINE MINES INC.

Survey Type(s):

ASSAY PDRILL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
G 6000425	$57,666	$57,666	$0	$0	$22,031	22,031	$35,635	$35,635	
G 8000971	$13,527	$13,527	$0	$0	$13,527	13,527	$0	$0	
L 1240748	$0	$0	$1,600	$1,600	$0	0	$0	$0	2004-JUN-20
L 1240749	$0	$0	$2,400	$2,400	$0	0	$0	$0	2004-JUN-20
L 1240750	$0	$0	$2,800	$2,800	$0	0	$0	$0	2004-JUN-20
P 1238665	$0	$0	$6,400	$6,400	$0	0	$0	$0	2004-SEP-12
P 1238666	$0	$0	$800	$800	$0	0	$0	$0	2004-SEP-12
P 1238667	$0	$0	$1,600	$1,600	$0	0	$0	$0	2004-SEP-12
P 1240742	$0	$0	$4,800	$4,800	$0	0	$0	$0	2004-JUN-19
P 1240743	$0	$0	$4,400	$4,400	$0	0	$0	$0	2004-JUN-19
P 1240744	$0	$0	$3,158	$3,158	$0	0	$0	$0	2003-JUN-19
P 1240745	$0	$0	$2,400	$2,400	$0	0	$0	$0	2004-JUN-19
P 1240746	$0	$0	$3,200	$3,200	$0	0	$0	$0	2004-JUN-19
P 1240747	$0	$0	$2,000	$2,000	$0	0	$0	$0	2004-JUN-19
	$71,193	$71,193	$35,558	$35,558	$35,558	$35,558	$35,635	$35,635	

External Credits: $0

Reserve:

$35,635 Reserve of Work Report#: W0360.00912

$35,635 Total Remaining

Status of claim is based on information currently on record.

41P14NE2012 2.25718 MIDLOTHIAN

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2003-JUN-09

CANADIAN ARROW MINES LIMITED
65 THIRD AVENUE
TIMMINS, ONTARIO
P4N 1C2 CANADA

Submission Number: 2.25718
Transaction Number(s): W0360.00912

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Canadian Arrow Mines Limited
(Claim Holder)

Moneta Porcupine Mines Inc.
(Claim Holder)

Assessment File Library

Canadian Arrow Mines Limited
(Assessment Office)

Rainer Alexander Skeries
(Agent)

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

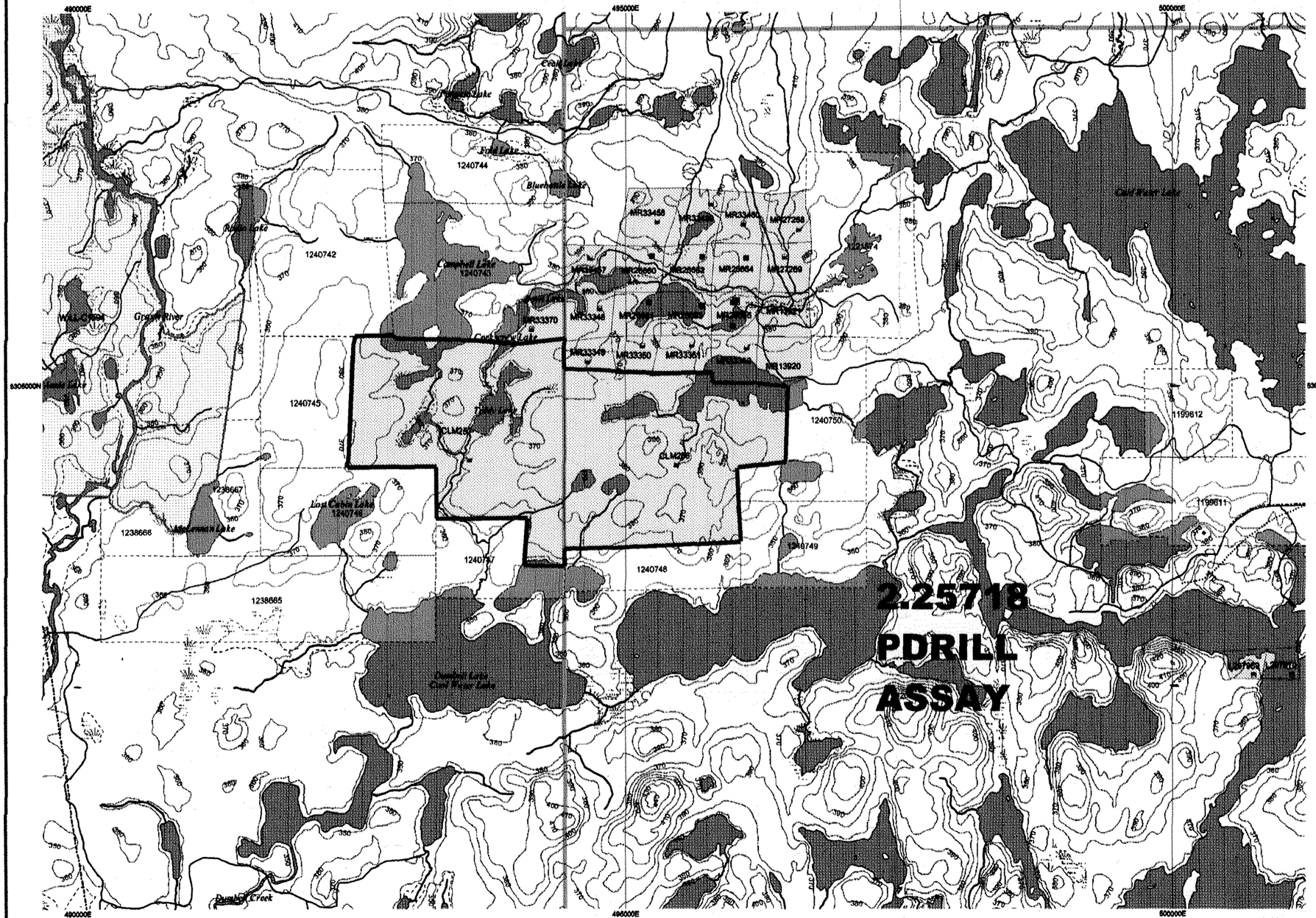
Date / Time of Issue: Tue Jun 10 13:57:53 EDT 2003

TOWNSHIP / AREA
MIDLOTHIAN

PLAN
G-3684

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Porcupine
Land Titles/Registry Division	TIMISKAMING
Ministry of Natural Resources District	KIRKLAND LAKE



TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- 1234567 Mining Claim
- 1234567 Filed Only Mining Claims

LAND TENURE WITHDRAWALS

- 1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

Nts IMPORTANT NOTICE

Scale 1:40000

700m 0m 2.1km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
W-LL-C1594	Wsm	Nov 21, 2001	Mining and Surface rights withdrawal Section 35 of the Mining Act RS
W-LL-P1639	Wsm	Aug 29, 2002	<a href=" http://www.mndm.gov.on.ca/MNDM/MINES/LANDS/liveg/b>

41P14NE2012 2.25718 MIDLOTHIAN 200

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5716
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

CANADIAN ARROW MINES LTD.

Halliday Dome Proj. – Property/Grid Loc.

Drawn By: R. Skeries	
Drawn: May 2003