

APPENDIX III:

1998

EL 3347

ULTRA TRACE PTY LTD

SANDSTONE GEOCHEMISTRY RESULTS

FOR HOLES KBW 1 TO 5

ULTRA TRACE

ANALYTICAL LABORATORIES

ULTRA TRACE Pty. Ltd.

A.C.N. 008 746 585

58 Sorbonne Crescent,
Canning Vale, Western Australia 6155

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference : 13109
Date : 12th August 1998
Order : 3971
Project :
Date Received : 4th August 1998
Number Samples : 35

Analysis of Mineral Samples

for

Afmeco Mining & Exploration Pty Ltd

P.O.Box 2142

Darwin NT 0801

Attention : Mr C Hallenstein

Authorised by : V Eldridge



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	Al2O3 %	B ppm	Fe2O3 %	K2O %	MgO %	P2O5 ppm	Pb ppm	Th ppm	U ppm	UAR ppm

Detn Limit	0.01	10	0.01	0.01	0.01	50	1	0.05	0.05	0.01
KBW-1 0	0.66	10	0.69	<0.01	<0.01	<50	<1	5.00	0.80	
KBW-1 50	0.64	10	1.02	<0.01	<0.01	150	<1	3.05	1.05	
KBW-1 73.6	0.55	10	2.47	<0.01	<0.01	450	6	2.00	2.05	1.32
KBW-1 81.5	1.85	20	2.37	<0.01	0.43	8800	4	4.15	2.15	1.48
KBW-1 94	1.47	30	0.90	0.34	0.36	100	<1	1.25	1.20	
KBW-2 0	0.38	20	0.61	0.10	0.02	50	1	2.25	0.85	
KBW-2 50	0.21	10	0.56	0.05	<0.01	50	<1	2.05	0.95	
KBW-2 100	0.45	20	0.47	0.11	<0.01	50	<1	2.35	0.80	
KBW-2 150	0.49	10	0.29	0.11	<0.01	<50	<1	3.00	0.85	
KBW-2 200	1.68	30	0.36	0.47	0.05	250	1	6.25	2.15	1.24
KBW-2 228	1.85	20	0.26	0.46	0.03	200	<1	3.10	1.75	
KBW-2 238	3.29	100	0.40	0.98	0.05	400	<1	7.60	2.80	0.84
KBW-2 248	3.04	20	0.43	0.96	0.05	1000	<1	8.40	2.75	0.91
KBW-3R 11	0.26	<10	0.30	0.07	<0.01	<50	<1	2.20	0.95	
KBW-3R 50	0.19	<10	0.30	0.05	<0.01	50	<1	2.30	1.15	
KBW-3R 91	1.83	60	0.54	0.54	0.03	100	2	3.85	3.95	0.28
KBW-3R 100.2	1.74	40	0.67	0.47	0.03	150	1	5.50	2.35	0.37
KBW-3R 111	1.25	20	0.99	0.36	0.02	200	<1	3.85	1.05	
KBW-4 26.6	1.36	10	0.69	0.16	<0.01	1000	1	1.90	1.45	
KBW-4 49.8	0.19	<10	0.40	0.05	<0.01	50	<1	1.80	0.85	
KBW-4 100	1.10	30	1.33	0.34	0.03	150	1	2.65	1.35	
KBW-4 113	0.40	<10	0.64	0.11	<0.01	100	<1	2.60	1.55	
KBW-4 123	2.21	20	1.53	0.65	0.12	150	<1	8.70	1.35	
KBW-4 133	1.57	10	0.63	0.47	0.08	150	<1	3.55	1.00	
KBW-4 40	7.88	200	21.9	3.71	2.22	200	4	5.35	3.85	2.38
KBW-4 72.6	0.51	<10	1.42	0.05	0.03	250	2	4.35	11.4	11.7
KBW-4 72.85	5.63	10	14.0	0.42	0.17	7.01%	53	167.	174.	170.
KBW-4 73.25	1.51	<10	2.27	0.07	0.03	8100	11	16.9	32.4	24.8
KBW-5 0	0.57	20	0.87	0.16	0.05	800	3	4.25	4.55	2.35
KBW-5 50	0.53	20	0.56	0.16	0.02	100	2	3.15	2.55	0.38
KBW-5 99.6	0.72	20	0.53	0.20	0.02	100	2	3.35	1.80	0.47
KBW-5 138	2.21	30	0.92	0.33	0.05	300	1	4.95	1.35	
KBW-5 150	1.36	30	1.03	0.27	0.03	400	1	5.70	1.45	
KBW-5 158	2.31	60	1.54	0.54	0.03	250	3	5.20	5.05	0.56
Steven 1	3.23	<10	60.9	0.04	0.28	2.17%	1.30%	35.1	3.96%	3.40%

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% Implies this result reported in %

Unless noted for specific sample batches, our instructions are.....

Excess Residual Material will be held for a total of 30 days of which
30 days will be free of charge. Residues will then be dumped.

Pulps will be held for a total of 60 days of which 60 days will be free of
charge. Pulps will then be returned.

The samples have been sorted and dried. Primary preparation has been by
crushing the whole sample. The whole sample has then been pulverised in a
ring pulveriser.

The sample(s) have been digested with a mixture of Acids including Hydrofluoric, Nitric,
Hydrochloric and Perchloric Acids. This digest approaches a "Total" digest for many
elements however some refractory oxides are not completely attacked.

Al₂O₃, Fe₂O₃, K₂O, MgO, P₂O₅

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.

Pb, Th, U

have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.

The samples have been fused with Sodium Peroxide and subsequently the melt has been
dissolved in dilute Hydrochloric acid for analysis. Because of the high furnace
temperatures, volatile elements are lost. This procedure is particularly efficient for
determination of Major element composition (Including Silica) in the samples or for the
determination of refractory mineral species.

B

has been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.

The samples have been digested with Aqua Regia. This is a partial digest though it is
quite efficient for extraction of Gold. (It usually will not extract as much as the
classical Fire Assay procedure.) Some easily digested elements show good recoveries

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however others are poorly extracted.

UAR

has been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.