



SGS Welshpool Minerals

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Sean Hall

SGS Bluestone Tin

Murchison Highway
Renison Bell
TAS 7469
Australia

Lab Ref WM087908

Client Ref **27069**

Project *

Cost Code

Status Final

Received 11/08/05

Reported 01/09/05

Samples 140

First Sample 200801

Last Sample 200970

Pages 14

Copy

Notes

Authorised by

On behalf of:

Richard Bowen
Laboratory Manager

The results in the following analytical report pertain to this laboratory for preparation and/or analysis as requested by SGS Bluestone Tin.



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ANALYTICAL REPORT

Scheme	FAA505	FAA505	IMS40Q	IMS40Q	IMS40Q	IMS40Q
Units	PPM	PPM	PPM	PPM	PPM	PPM
Detection Limit	0.01	0.01	0.1	1	0.1	2
Upper Limit	1000	1000	100	1000	1000	2000
	Au	Au(R)	Ag	As	Bi	Cu
200801	0.03		-	-	-	-
200802	<0.01		-	-	-	-
200803C	<0.01		-	-	-	-
200805C	0.01		-	-	-	-
200807C	0.02		-	-	-	-
200809C	0.05		-	-	-	-
200813C	0.02		-	-	-	-
200815C	<0.01		-	-	-	-
200828C	<0.01		-	-	-	-
200830C	0.02		-	-	-	-
200832C	0.22		-	-	-	-
200834C	<0.01		-	-	-	-
200836C	<0.01		-	-	-	-
200838C	<0.01	<0.01	-	-	-	-
200840C	<0.01		-	-	-	-
200842C	0.03		-	-	-	-
200844C	<0.01		-	-	-	-
200846C	<0.01		-	-	-	-
200811	<0.01		-	-	-	-
200812	<0.01		-	-	-	-
200817	<0.01		-	-	-	-
200848	0.01		0.2	479	<0.1	7
200849	<0.01		<0.1	113	<0.1	4
200850	<0.01		0.1	381	<0.1	3
200851	0.21		0.4	>1000	<0.1	35
200852	0.02		0.5	304	0.2	46
200853	9.16		35.8	>1000	26.6	46
200854	<0.01		0.2	160	0.5	8
200855	0.03		0.3	>1000	1.5	26
200856	0.02		0.1	460	<0.1	29
200857	0.18		0.2	>1000	<0.1	4
200858	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
200859	<0.01		0.1	210	<0.1	4
200860	0.17		0.2	>1000	<0.1	6
200861	0.10		0.2	>1000	<0.1	10
200862	0.01		0.1	316	0.4	6
200863	0.16		0.3	>1000	0.1	24
200864	0.03		0.2	903	0.2	90
200865	<0.01		-	-	-	-
200866	0.08		-	-	-	-



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	FAA505 PPM 0.01 1000 Au	FAA505 PPM 0.01 1000 Au(R)	IMS40Q PPM 0.1 100 Ag	IMS40Q PPM 1 1000 As	IMS40Q PPM 0.1 1000 Bi	IMS40Q PPM 2 2000 Cu
200867	<0.01		-	-	-	-
200868	<0.01		-	-	-	-
200869	0.05		-	-	-	-
200870	<0.01		-	-	-	-
200871	0.02		-	-	-	-
200872	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
200873	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
200874	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
200875	0.46		-	-	-	-
200876	0.18		-	-	-	-
200877	0.17		-	-	-	-
200878	0.06		-	-	-	-
200879	0.05		-	-	-	-
200880	0.04		-	-	-	-
200881	<0.01	<0.01	-	-	-	-
200882	<0.01		-	-	-	-
200883	0.01		-	-	-	-
200884	0.05		-	-	-	-
200885	<0.01		-	-	-	-
200886	0.02		-	-	-	-
200887	<0.01		-	-	-	-
200888	<0.01		-	-	-	-
200889	<0.01		-	-	-	-
200890	0.07		-	-	-	-
200891	0.05		-	-	-	-
200896	0.01		-	-	-	-
200897	<0.01		-	-	-	-
200898	<0.01		0.1	48	0.4	27
200899	2.19		16.5	>1000	0.3	84
200900	0.14		0.5	>1000	0.4	23
200901	0.25		1.4	>1000	0.3	29
200902	0.06		0.4	879	0.4	20
200903	1.77		4.2	>1000	0.5	53
200904	<0.01		-	-	-	-
200905	<0.01		-	-	-	-
200906	<0.01		-	-	-	-
200907	0.02		-	-	-	-
200908	0.05		-	-	-	-
200909	0.02		-	-	-	-
200910	<0.01		-	-	-	-



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	FAA505 PPM 0.01 1000 Au	FAA505 PPM 0.01 1000 Au(R)	IMS40Q PPM 0.1 100 Ag	IMS40Q PPM 1 1000 As	IMS40Q PPM 0.1 1000 Bi	IMS40Q PPM 2 2000 Cu
200911	<0.01		-	-	-	-
200912	<0.01		-	-	-	-
200913	<0.01		-	-	-	-
200914	<0.01		-	-	-	-
200915	0.35		-	-	-	-
200916	<0.01		-	-	-	-
200917	<0.01		-	-	-	-
200918	<0.01		-	-	-	-
200919	<0.01		-	-	-	-
200920	<0.01		-	-	-	-
200921	0.03		-	-	-	-
200922	<0.01		0.2	345	0.8	30
200923	<0.01		-	-	-	-
200924	0.01		-	-	-	-
200925	0.03		-	-	-	-
200926	<0.01		<0.1	3	<0.1	<2
200927	0.04		-	-	-	-
200928	<0.01		0.2	234	0.5	39
200929	0.02		-	-	-	-
200930	<0.01		-	-	-	-
200931	<0.01		-	-	-	-
200932	0.10		-	-	-	-
200933	<0.01		-	-	-	-
200934	<0.01		-	-	-	-
200935	<0.01		-	-	-	-
200936	<0.01		-	-	-	-
200937	<0.01		-	-	-	-
200938	<0.01		-	-	-	-
200939	0.01		-	-	-	-
200940	<0.01		-	-	-	-
200941	0.10		-	-	-	-
200942	0.02		0.2	659	0.8	23
200943	<0.01		0.2	21	0.6	37
200944	<0.01		0.3	100	0.7	59
200945	0.02		0.3	80	2.3	86
200946	<0.01		-	-	-	-
200947	<0.01		-	-	-	-
200948	<0.01		-	-	-	-
200949	<0.01		-	-	-	-
200950	<0.01		-	-	-	-



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	FAA505 PPM 0.01 1000 Au	FAA505 PPM 0.01 1000 Au(R)	IMS40Q PPM 0.1 100 Ag	IMS40Q PPM 1 1000 As	IMS40Q PPM 0.1 1000 Bi	IMS40Q PPM 2 2000 Cu
200951	0.06		-	-	-	-
200952	<0.01		-	-	-	-
200953	<0.01		-	-	-	-
200954	0.05		-	-	-	-
200955	<0.01		-	-	-	-
200956	0.02		0.3	687	0.6	121
200957	0.02		-	-	-	-
200958	0.09		-	-	-	-
200959	0.51		-	-	-	-
200960	0.03		-	-	-	-
200961	<0.01		-	-	-	-
200962	0.04		-	-	-	-
200963	0.03		-	-	-	-
200964	0.02		-	-	-	-
200965	0.27	0.23	-	-	-	-
200966	<0.01		-	-	-	-
200967	<0.01		-	-	-	-
200968	<0.01		-	-	-	-
200969	<0.01		-	-	-	-
200970	<0.01		-	-	-	-



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Scheme	IMS40Q	IMS40Q	IMS40Q	IMS40Q	IMS40Q	AAS42S
Units	PPM	PPM	PPM	PPM	PPM	%
Detection Limit	0.1	1	0.1	5	0.1	0.025
Upper Limit	1000	2000	1000	5000	1000	5
	Mo	Pb	Sb	Zn	W	As
200801	-	-	-	-	-	-
200802	-	-	-	-	-	-
200803C	-	-	-	-	-	-
200805C	-	-	-	-	-	-
200807C	-	-	-	-	-	-
200809C	-	-	-	-	-	-
200813C	-	-	-	-	-	-
200815C	-	-	-	-	-	-
200828C	-	-	-	-	-	-
200830C	-	-	-	-	-	-
200832C	-	-	-	-	-	-
200834C	-	-	-	-	-	-
200836C	-	-	-	-	-	-
200838C	-	-	-	-	-	-
200840C	-	-	-	-	-	-
200842C	-	-	-	-	-	-
200844C	-	-	-	-	-	-
200846C	-	-	-	-	-	-
200811	-	-	-	-	-	-
200812	-	-	-	-	-	-
200817	-	-	-	-	-	-
200848	4.6	12	19.1	296	1.7	
200849	5.2	21	26.6	111	0.7	
200850	6.2	27	7.7	88	0.9	
200851	12.1	37	17.5	91	5.6	0.33
200852	8.5	73	23.0	188	1.5	
200853	2.2	>2000	>1000	>5000	4.4	0.68
200854	1.6	47	14.1	106	1.0	
200855	3.3	29	13.6	96	2.6	0.14
200856	1.2	27	7.9	83	1.0	
200857	1.1	24	21.9	69	4.0	0.27
200858	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
200859	1.5	20	2.8	64	1.2	
200860	1.5	39	20.8	103	3.7	0.51
200861	2.1	21	12.3	95	2.5	0.24
200862	1.8	24	21.7	107	1.7	
200863	5.5	23	21.5	72	5.6	0.35
200864	16.6	8	13.7	85	6.7	
200865	-	-	-	-	-	-
200866	-	-	-	-	-	-

- not analysed / -- element not determined / I.S. insufficient sample / L.N.R. listed not received



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	IMS40Q PPM 0.1 1000 Mo	IMS40Q PPM 1 2000 Pb	IMS40Q PPM 0.1 1000 Sb	IMS40Q PPM 5 5000 Zn	IMS40Q PPM 0.1 1000 W	AAS42S % 0.025 5 As
200867	-	-	-	-	-	-
200868	-	-	-	-	-	-
200869	-	-	-	-	-	-
200870	-	-	-	-	-	-
200871	-	-	-	-	-	-
200872	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	-
200873	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	-
200874	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	-
200875	-	-	-	-	-	-
200876	-	-	-	-	-	-
200877	-	-	-	-	-	-
200878	-	-	-	-	-	-
200879	-	-	-	-	-	-
200880	-	-	-	-	-	-
200881	-	-	-	-	-	-
200882	-	-	-	-	-	-
200883	-	-	-	-	-	-
200884	-	-	-	-	-	-
200885	-	-	-	-	-	-
200886	-	-	-	-	-	-
200887	-	-	-	-	-	-
200888	-	-	-	-	-	-
200889	-	-	-	-	-	-
200890	-	-	-	-	-	-
200891	-	-	-	-	-	-
200896	-	-	-	-	-	-
200897	-	-	-	-	-	-
200898	3.4	36	9.6	113	1.3	-
200899	3.7	354	57.6	468	4.2	0.48
200900	3.4	52	23.9	114	2.4	0.11
200901	6.1	36	27.1	115	4.8	0.60
200902	2.7	50	15.8	112	2.6	-
200903	1.6	235	42.0	130	7.5	1.95
200904	-	-	-	-	-	-
200905	-	-	-	-	-	-
200906	-	-	-	-	-	-
200907	-	-	-	-	-	-
200908	-	-	-	-	-	-
200909	-	-	-	-	-	-
200910	-	-	-	-	-	-

- not analysed / -- element not determined / I.S. insufficient sample / L.N.R. listed not received



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	IMS40Q PPM 0.1 1000 Mo	IMS40Q PPM 1 2000 Pb	IMS40Q PPM 0.1 1000 Sb	IMS40Q PPM 5 5000 Zn	IMS40Q PPM 0.1 1000 W	AAS42S % 0.025 5 As
200911	-	-	-	-	-	-
200912	-	-	-	-	-	-
200913	-	-	-	-	-	-
200914	-	-	-	-	-	-
200915	-	-	-	-	-	-
200916	-	-	-	-	-	-
200917	-	-	-	-	-	-
200918	-	-	-	-	-	-
200919	-	-	-	-	-	-
200920	-	-	-	-	-	-
200921	-	-	-	-	-	-
200922	0.5	29	4.4	110	2.2	-
200923	-	-	-	-	-	-
200924	-	-	-	-	-	-
200925	-	-	-	-	-	-
200926	<0.1	<1	<0.1	<5	<0.1	-
200927	-	-	-	-	-	-
200928	0.8	31	2.2	121	2.3	-
200929	-	-	-	-	-	-
200930	-	-	-	-	-	-
200931	-	-	-	-	-	-
200932	-	-	-	-	-	-
200933	-	-	-	-	-	-
200934	-	-	-	-	-	-
200935	-	-	-	-	-	-
200936	-	-	-	-	-	-
200937	-	-	-	-	-	-
200938	-	-	-	-	-	-
200939	-	-	-	-	-	-
200940	-	-	-	-	-	-
200941	-	-	-	-	-	-
200942	0.6	20	6.3	102	4.0	-
200943	1.2	30	1.4	125	2.5	-
200944	4.4	32	1.2	146	3.4	-
200945	1.3	105	0.8	159	3.1	-
200946	-	-	-	-	-	-
200947	-	-	-	-	-	-
200948	-	-	-	-	-	-
200949	-	-	-	-	-	-
200950	-	-	-	-	-	-



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	IMS40Q PPM 0.1 1000 Mo	IMS40Q PPM 1 2000 Pb	IMS40Q PPM 0.1 1000 Sb	IMS40Q PPM 5 5000 Zn	IMS40Q PPM 0.1 1000 W	AAS42S % 0.025 5 As
200951	-	-	-	-	-	-
200952	-	-	-	-	-	-
200953	-	-	-	-	-	-
200954	-	-	-	-	-	-
200955	-	-	-	-	-	-
200956	32.0	29	14.7	177	9.1	-
200957	-	-	-	-	-	-
200958	-	-	-	-	-	-
200959	-	-	-	-	-	-
200960	-	-	-	-	-	-
200961	-	-	-	-	-	-
200962	-	-	-	-	-	-
200963	-	-	-	-	-	-
200964	-	-	-	-	-	-
200965	-	-	-	-	-	-
200966	-	-	-	-	-	-
200967	-	-	-	-	-	-
200968	-	-	-	-	-	-
200969	-	-	-	-	-	-
200970	-	-	-	-	-	-



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Scheme	AAS42S	AAS42S	AAS42S
Units	PPM	PPM	PPM
Detection Limit	20	100	10
Upper Limit	25000	20000	50000
	Pb	Sb	Zn
200801			
200802			
200803C			
200805C			
200807C			
200809C			
200813C			
200815C			
200828C			
200830C			
200832C			
200834C			
200836C			
200838C			
200840C			
200842C			
200844C			
200846C			
200811			
200812			
200817			
200848			
200849			
200850			
200851			
200852			
200853	1.21%	2400	8350
200854			
200855			
200856			
200857			
200858			
200859			
200860			
200861			
200862			
200863			
200864			
200865			
200866			



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	AAS42S PPM 20 25000 Pb	AAS42S PPM 100 20000 Sb	AAS42S PPM 10 50000 Zn
200867			
200868			
200869			
200870			
200871			
200872			
200873			
200874			
200875			
200876			
200877			
200878			
200879			
200880			
200881			
200882			
200883			
200884			
200885			
200886			
200887			
200888			
200889			
200890			
200891			
200896			
200897			
200898			
200899			
200900			
200901			
200902			
200903			
200904			
200905			
200906			
200907			
200908			
200909			
200910			



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	AAS42S PPM 20 25000 Pb	AAS42S PPM 100 20000 Sb	AAS42S PPM 10 50000 Zn
200911			
200912			
200913			
200914			
200915			
200916			
200917			
200918			
200919			
200920			
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SGS Welshpool Minerals

50 Murray Rd
Welshpool WA 6106
Phone: +61 (8) 9458 7999
Fax: +61 (8) 9458 2922
Email: sgs_welshpool@sgs.com
Internet: www.au.sgs.com

ANALYTICAL REPORT

	AAS42S PPM 20 25000 Pb	AAS42S PPM 100 20000 Sb	AAS42S PPM 10 50000 Zn
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Description

FAA505 : Au Pt Pd, FAS, AAS, 50g

IMS40Q : ICP-MS after DIG40Q

AAS42S : AAS after DIG42S