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**ROGER RIVER PROJECT
TASMANIA**

**ELs 11/97, 12/97, 13/97, 14/97, 61/94 & 17/01
COMBINED ANNUAL REPORT TO
18th DECEMBER, 2002**

Volume 1 of 1

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1. Summary

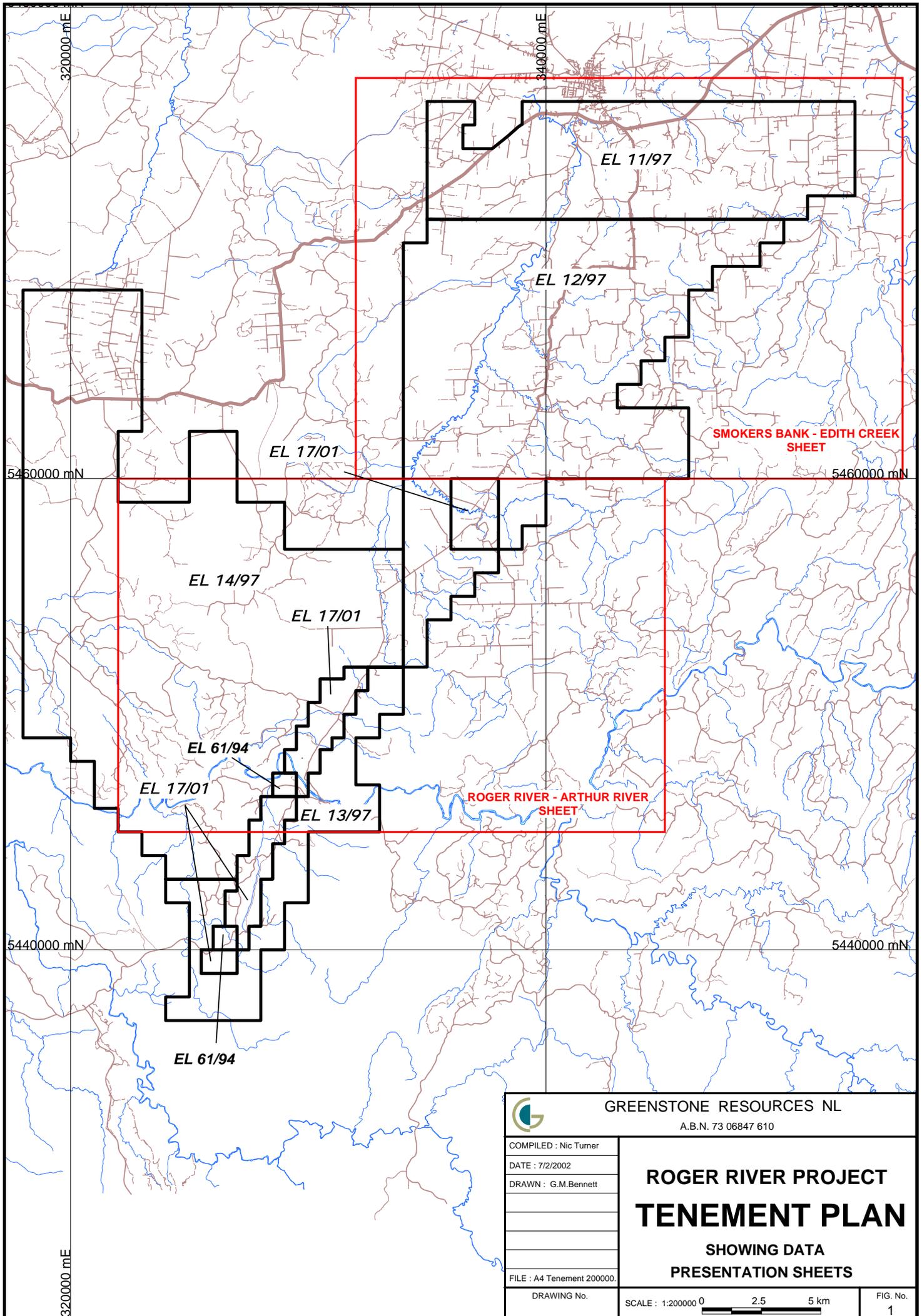
- Stream sediment sampling between Smithton and the Arthur River has been completed.
- Reconnaissance soil sampling, soil mapping and rock chip sampling have been carried out over an alteration zone that extends along the Roger River Fault. Much of the 6 km long alteration zone is characterised by extensive silicification with massive, brecciated and vughy textures. Low order, trace gold and antimony are sporadically present in the silicified zone while arsenic is more widespread. Also, barium of up to 5.97 weight % and mercury of up to 1.48 ppm have been detected. The silicified rocks probably represent a high level in an epithermal alteration system.
- Diamond drilling of the siliceous parts of the alteration zone is recommended. Infill soil sampling, soil mapping and rock chip sampling between the existing soil lines, which have an average spacing of approximately 400 m, would probably enhance the selection of drill collars.
- Deep auger sampling was carried out across spring mound systems at Smokers Bank, Pulbeena and Copper Creek. Gold to 15 ppb, arsenic to 145 ppm, antimony to 12 ppm and zinc to 2247 ppm were returned from the sampling. Further interpretation of the available results should be carried out to determine the next stage of exploration.

2. Introduction

Exploration licences 11/97, 12/97, 13/97 and 14/97 (Figure 1) were granted for five years from 18/12/97 to Morritt Holdings Pty Ltd of Perth, Western Australia. Morritt Holdings transferred the tenements to Pacific-Nevada Pty Ltd in 1997 in return for a royalty. Pacific-Nevada then explored the tenements until 1999 when they were transferred back to Morritt Holdings. In mid-2001 Morritt Holdings entered into a joint venture on the tenements with Greenstone Resources NL.

After a review of exploration potential, Greenstone Resources reduced the area of ground that it acquired through Morritt Holdings (Turner, 2002a). However, Greenstone increased the holding of ground along the Roger River Fault by applying for areas that had previously been held by Cominex Pty Ltd. This new ground became EL17/01.

During 2002 Greenstone Resources NL underwent changes at board level and was renamed Red 5 Ltd. Subsequently, Red 5 Ltd withdrew from its Tasmanian interests, including the joint venture agreement with Morritt Holdings. As part of the withdrawal Red 5 handed ownership of EL17/01 to Morritt Holdings. Morritt Holdings Pty Ltd is now the owner and manager of Els11-14/97 and of EL17/01.



 GREENSTONE RESOURCES NL A.B.N. 73 06847 610	
COMPILED : Nic Turner DATE : 7/2/2002 DRAWN : G.M.Bennett	ROGER RIVER PROJECT TENEMENT PLAN SHOWING DATA PRESENTATION SHEETS
FILE : A4 Tenement 200000. DRAWING No.	SCALE : 1:200000 
	FIG. No. 1

Red 5 Ltd did not produce up-to-date reports prior to its withdrawal. This report very briefly outlines the 2001/2002 work that was carried out in the tenements by Greenstone Resources NL, prior to the company being renamed Red 5 Ltd. The report should be read in conjunction with Greenstone's annual report to December, 2001 (Turner, 2002b).

3. Exploration philosophy

The Morritt Holdings exploration philosophy (Morritt, 1997) saw the dolomite, basalt and siltstone-volcaniclastic formations of the Neoproterozoic Togari Group as having potential for the following deposit types :

- Proterozoic iron formation Au.
- Proterozoic iron formation Cu-Au pipes.
- Proterozoic sediment hosted Cu.

Pacific-Nevada's work in the tenements was mostly concerned with these models.

Morritt (1997) also recognised potential for basin-and-range style, epithermal mineralisation to be associated with the Roger River Fault and with the spring mound systems that are developed in the adjacent terrain. Later field inspections by Dr Ken Snyder, Franco-Nevada Mining Corporation's chief geologist, corroborated this view. During its period of tenure Pacific-Nevada carried out preliminary work along the fault and over the spring mounds.

Geoff Davis (see Radtke & Davis, 1990), Greenstone's consulting chief geologist, established the company's principal exploration focus as testing for epithermal mineralisation associated with the Roger River Fault or related secondary faults, and with the spring mound systems. Greenstone's particular targets were:

- Zinc mineralisation hosted by Neoproterozoic rocks adjacent to the Roger River Fault, particularly the Smithton Dolomite.
- Epithermal replacement gold in, or near, the Roger River Fault.
- Epithermal gold related to the spring mound systems.

4. Work carried out

Greenstone continued the program that had been started in the previous reporting period, with field work extending through December, 2001 and January, 2002. The main activities were:

1. Completion of the stream sediment survey between Smithton and the Arthur River, along the boundary between the Smithton Dolomite to the west and a mixed assemblage to the east of clastic sediments and mafic volcanics (Kanunnah Subgroup), Black River Dolomite and the older Cowrie Siltstone. The survey extended east to Nabageena and north through Irish Town to Smokers Bank. BLEG and minus 80 mesh samples were collected.

2. Reconnaissance rock chip sampling, soil sampling and soil mapping were carried out along the Roger River Fault between Roger River West and Edith Creek. There is an extensive zone of silicification along much of this 6 km interval of the Roger River Fault. Reconnaissance soil lines were also put across a few other areas of interest.
3. Deep auger drilling was carried out across Cainozoic spring mound systems at Smokers Bank, Pulbeena and Copper Creek.

5. Data

5.1 STREAM SEDIMENT AND ROCK CHIP DATA

All of Greenstone's stream sediment data for the entire area between Smithton and the Arthur River are given in Appendix 1. These data include sampling and analytical methods, sample numbers, AMG locations, BLEG analytical results and minus 80 mesh analytical results. Rock chip data for the entire area are given in Appendix 2. These rock chip data include analytical methods, sample numbers, AMG locations, analytical results and sample descriptions.

For ease of presentation of results the field area was subdivided into two map sheets called the Smokers Bank-Edith Creek sheet and the Roger River-Arthur River sheet. Stream sediment and rock chip results for the more northerly, Smokers Bank-Edith Creek sheet were shown on maps presented in the last annual report (to December,01). Stream sediment sample locations and rock chip sample locations for the southern, Roger River-Arthur River sheet are shown in Maps 1 and 2 respectively of this report.

5.2 SOIL SAMPLE DATA

All of Greenstone's soil sample data for the Roger River Project are given in Appendix 3. These data include sampling method, analytical methods, sample numbers, AMG locations, analytical results and sample descriptions. Maps 3 and 4 respectively show soil sample locations for the Smokers Bank-Edith Creek sheet and the Roger River-Arthur River sheet. Pacific-Nevada's soil sample lines (see References) are also shown on the maps.

Soil sample data for the Roger River Alteration Zone are included in Appendix 3. Maps 5-9 show soil and rock chip sample locations in the alteration zone, and the corresponding analytical results for gold, arsenic, antimony and zinc. The soil line on the northern side of the Church Prospect (samples 4026-4044) was the only line to also include assays for Ag, Cu, Pb and Tl. The results for these elements are given in Appendix 3, but are not plotted on the maps.

5.3 DEEP AUGER SAMPLE DATA

Data for the deep augering at Smokers bank, Pulbeena and Copper Creek are given in Appendix 4. These data include sampling technique, analytical methods, sample numbers, AMG locations of auger holes, depths of samples, assay data, description of soil and the soil horizon sampled. The locations of the auger lines are shown in Map 1 (geology) of Appendix 4 in the last annual report. They are also shown in Map 3 of this report. At this stage there has not been the opportunity to develop the deep auger sample data into cross sections.

6. Principal results

The silicified rocks in the Roger River Alteration Zone probably mark a high level in an epithermal alteration system. Textures of the silicified rocks are usually massive or brecciated, but are also locally vughy, notably at the Whitewater North Prospect. Colours mostly range pale grey to white with low iron pigmentation.

Elements characteristic of epithermal alteration are present. Low level gold to 5 ppb is sporadically present. Arsenic is usually present at levels of up to 100 ppm, but may exceed 1000 ppm in uncommon, iron-rich rocks. Consistent with strong leaching, the base metal values are generally very low in the pale, silicified rocks and in their derived soils. A small patch of well crystallised barite with ochreous iron minerals was found in an otherwise pale, massive and brecciated, saccharoidal quartz rock in the old DMR quarry at Roger River West (Quarry Prospect). Respectively, two samples from the patch (3083, 3084) returned 1 ppb Au, 102 ppm As, 22 ppm Sb, 5.97% Ba, 1.48 ppm Hg; and 2 ppb Au, 50 ppm As, 10 ppm Sb, 3.88% Ba, 0.28 ppm Hg. Only two other samples from the alteration zone were analysed for Hg (3075, 3079). Both were anomalous in mercury.

Anomalous metal values were returned from deep auger samples collected in the spring mound systems at Smoker Bank, Pulbeena and Copper Creek. Maximum values were: gold 15(19) ppb, silver 0.2 ppm, arsenic 145 ppm, copper 158 ppm, lead 59 ppm, zinc 2247 ppm, antimony 12 ppm and thallium 12 ppm. Thallium was detected in only a few samples.

7. Further work

It is recommended that diamond drilling be carried out in the Roger River Alteration Zone. Minimum depths for each of four inclined holes should be 250 m. On the information to hand, drill holes could be fairly satisfactorily positioned at the Quarry, Church and Whitewater North Prospects. However, the existing soil lines are widely spaced (average about 400 m). Thus, infill soil mapping and soil sampling should improve the selection of sites for drill collars. Petrological and associated analytical work could be carried out in order to better specify the nature of the alteration.

Cross sections should be prepared of the deep auger results from across the Smokers Bank, Pulbeena and Copper Creek spring mound systems as a step in determining the next stage of exploration, which might include further auger sampling and/or diamond drilling.

8. Environmental matters

No activity has been undertaken that requires environmental rehabilitation.

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**Morrith Holdings Pty Ltd
Roger River Project
Els 11/97, 12/97, 13/97,14/97,61/94 & 17/01
Combined Annual Report to
18.12.02**

Appendix 1

STREAM SEDIMENT DATA

Part 1. BLEG assay results

Samples consisted of approximately 2 kg of -5 mm active stream sediment. The samples were dried and pulverised, then leached by the bottle roll method, and the leachate analysed for Au & Ag. Analyst: Analabs' Cooee laboratory.

Part 2. -80# assay results

Samples consisted of approximately 1 kg of the finest active stream sediment. The samples were dried and sieved by Analabs' Cooee laboratory. They were analysed at Genalysis' Gosnells laboratory using aqua regia digest, solvent extraction with graphite furnace AAS for Au (DL 1 ppb) and flame AAS for Ag (0.1 ppm), Sb (2 ppm), As (10 ppm), TI (2 ppm), Cu (1 ppm), Pb (1 ppm) and Zn (1 ppm).

Appendix 1, Part 1

GREENSTONE RESOURCES
BLEG ASSAY RESULTS

Sample No	AMG East	AMG North	Au	AuR	Ag
Units			ppb	ppb	ppm
Detection			0.1	0.1	0.01
1001	332570	5452685	5		0.02
1002	332400	5451925	1		0.01
1003	335300	5456580	2		0.00
1004	335518	5456794	3		0.00
1005	335980	5457140.87	1		0.01
1006	336573	5457800	1		0.00
1007	333640	5454892	5		0.00
1008	333645	5454409	1		0.00
1009	334232	5456525	5		0.00
1010	334450	5456825	0		0.00
1011	332367	5453455	2		0.00
1012	331880	5452610	4		0.00
1013	331040	5451850	2		0.00
1014	336993	5459320	3		0.02
1015	337008	5459360	0		0.01
1016	337160	5458440	0		0.01
1017	336950	5458505	0		0.00
1018	337345	5458450	2		0.00
1019	337310	5458390	3		0.00
1020	338015	5459925	0		0.00
1021	337745	5459575	1		0.00
1022	329600	5450460	1		0.00
1023	329315	5449200	4		0.00
1024	330290	5448960	1		0.00
1025	330955	5447720	1		0.00
1026	330900	5448485	1		0.01
1027	330920	5448515	0		0.00
1028	331640	5450390	1		0.00
1029	336930	5458270	0		0.00
1030	340335	5462775	2		0.00
1031	329920	5447050	<0.1		<0.01
1032	329750	5447875	<0.1		<0.01
1033	334670	5455195	1		<0.01
1034	335170	5454840	1		<0.01
1035	335170	5454825	<0.1		0.01
1036	337225	5456480	<0.1		<0.01
1037	337285	5456595	<0.1		<0.01
1038	336580	5456635	<0.1		0.01
1039	336240	5455170	<0.1		0.01
1040	336240	5455110	<0.1	<0.1	0.01
1041	337200	5457830	<0.1		0.01
1042	333440	5453215	1		0.01
1043	334960	5455340	1		0.01
1044	336625	5457295	<0.1		0.01
1045	330890	5449850	1		0.02
1046	335370	5456310	<0.1		0.01
1047	336570	5457490	<0.1		0.01
1048	335965	5458100	<0.1		<0.01
1049	340875	5462945	1		0.02

Sample No	AMG East	AMG North	Au	AuR	Ag
Units			ppb	ppb	ppm
Detection			0.1	0.1	0.01
1050	340730	5462720	1		0.04
1051	342445	5460950	<0.1		0.01
1052	343305	5461445	<0.1		0.01
1053	343200	5461475	<0.1		0.01
1054	342360	5461720	1		0.01
1055	342400	5461705	<0.1		<0.01
1056	342440	5461765	<0.1		<0.01
1057	344040	5461000	<0.1		<0.01
1058	344105	5461090	<0.1		<0.01
1059	344115	5461235	<0.1		0.01
1060	344060	5461370	<0.1		<0.01
1061	344700	5460800	<0.1		<0.01
1062	344800	5461500	<0.1		0.01
1063	344350	5465910	<0.1		0.01
1064	344140	5466515	<0.1		0.01
1065	341950	5466315	<0.1		0.01
1066	342020	5466305	<0.1		0.01
1067	343015	5465925	<0.1		0.01
1068	341620	5466810	<0.1		<0.01
1069	341755	5466845	<0.1		<0.01
1070	342775	5466515	<0.1		<0.01
1071	343030	5467635	<0.1		0.01
1072	342760	5467675	<0.1		<0.01
1073	342755	5467925	<0.1		<0.01
1074	343305	5466545	<0.1		0.01
1075	343255	5466955	1		0.01
1076	343790	5467640	<0.1		<0.01
1077	343625	5467530	<0.1		0.01
1078	340600	5463220	<0.1		0.01
1079	340505	5463310	<0.1		0.01
1080	340505	5463115	<0.1		0.01
1081	340170	5463040	<0.1		0.02
1082	340675	5460820	<0.1		0.01
1083	340270	5461175	<0.1		0.02
1084	340175	5461185	<0.1		0.01
1085	340025	5461780	<0.1		0.01
1086	340005	5462365	<0.1		0.01
1087	340060	5462780	<0.1		0.01
1088	340280	5465800	<0.1		0.01
1089	340265	5466345	<0.1		0.01
1090	341400	5464910	1	1	0.02
1091	341275	5464850	<0.1		<0.01
1092	341140	5464620	<0.1		0.01
1093	343730	5465380	<0.1		0.01
1094	343675	5465365	<0.1		0.01
1095	343650	5465435	<0.1		0.01
1096	342585	5464425	<0.1		0.01
1097	342650	5464450	<0.1		0.01
1098	341230	5462435	1		0.02
1099	341250	5462455	<0.1		0.02
1100	340860	5465360	1		<0.01
1101	340570	5465195	<0.1		0.01
1102	340525	5464980	<0.1		<0.01
1103	341900	5461250	3		<0.01

Sample No	AMG East	AMG North	Au	AuR	Ag
Units			ppb	ppb	ppm
Detection			0.1	0.1	0.01
1104	340575	5467130	<0.1		<0.01
1105	342030	5462290	<0.1		<0.01
1106	342080	5462260	2		<0.01
1107	341900	5462510	1		0.03
1108	341830	5462480	<0.1		0.03
1109	341105	5463800	1		0.01
1110	341220	5467375	1		0.02
1111	341970	5464010	<0.1		0.01
1112	340220	5464055	<0.1		0.02
1113	340085	5467570	<0.1		<0.01
1114	340820	5468280	<0.1		<0.01
1115	342955	5468880	2		0.01
1116	340760	5468750	<0.1		<0.01
1117	341510	5468620	<0.1		<0.01
1118	340805	5468090	<0.1		<0.01
1119	341610	5470560	<0.1		<0.01
1120	341520	5470470	<0.1		<0.01
1121	342655	5469515	<0.1		0.01
1122	343025	5469610	<0.1		<0.01
1123	342572	5470620	<0.1		0.01
1124	342785	5471805	<0.1		<0.01
1125	342985	5471680	<0.1		<0.01
1126	342880	5471985	<0.1		<0.01
1127	343090	5471180	<0.1		<0.01
1128	343290	5471140	<0.1		<0.01
1129	342505	5471380	<0.1		<0.01
1130	343870	5472950	<0.1		0.01
1131	343675	5474150	<0.1		<0.01
1134	333310	5454160	<0.1		<0.01
1136	333890	5455610	<0.1		<0.01
1137	334305	5455915	2		<0.01
1138	334630	5456180	1		<0.01
1139	334810	5456302	<0.1		<0.01
1143	342600	5474135	<0.1		0.01
1144	342400	5473765	<0.1		<0.01
1145	342320	5474466	<0.1		<0.01
1146	342795	5474423	<0.1		<0.01
1147	340325	5469880	<0.1		<0.01
1148	340445	5469630	<0.1		<0.01
1149	340450	5469675	<0.1		<0.01
1150	341280	5469174	1		<0.01
1151	340515	5470695	1		<0.01
1152	341545	5472135	2		<0.01
1153	341630	5472245	<0.1		0.02
1154	341280	5472420	<0.1		0.01
1155	340760	5471970	<0.1		<0.01
1156	342185	5471780	<0.1		<0.01
1157	342460	5472480	<0.1		<0.01
1158	342600	5473505	<0.1		0.01
1159	344420	5471050	<0.1		0.01
1160	343775	5470850	<0.1		0.01
1161	344010	5471610	<0.1		0.01
1162	343330	5474350	<0.1		<0.01
1163	343330	5474420	<0.1		<0.01

Sample No	AMG East	AMG North	Au	AuR	Ag
Units			ppb	ppb	ppm
Detection			0.1	0.1	0.01
1164	337690	5463780	<0.1		<0.01
1165	339200	5467790	2		0.01
1166	341520	5473250	<0.1		<0.01
1167	341460	5473250	1		<0.01
1168	341545	5473650	<0.1		0.02
1169	343200	5472520	<0.1		<0.01
1170	338411	5463070	<0.1		<0.01
1171	338151	5462980	1		<0.01
1172	338640	5463990	<0.1		0.01
1173	338593	5463870	1		0.01
1174	341090	5472430	<0.1		<0.01
1175	340910	5474200	<0.1		<0.01
1176	340720	5473080	<0.1		<0.01
1177	336135	5460775	<0.1		<0.01
1178	338720	5460940	1		0.01
1179	338900	5460440	1		<0.01
1180	338925	5460490	<0.1		<0.01
1181	337945	5461050	<0.1		<0.01
1182	336880	5460265	<0.1		<0.01
1183	338815	5461080	<0.1		<0.01
1184	338310	5461600	<0.1		<0.01
1185	338400	5461520	<0.1		<0.01
1186	339130	5463510	<0.1		0.02
1187	339225	5466455	<0.1		0.01
1188	339535	5465630	<0.1		<0.01
1189	339725	5462430	<0.1		0.01
1190	339520	5462035	<0.1		0.02
1191	339210	5461470	<0.1		0.03
1192	332180	5448590	2		0.03
1193	332510	5448340	1		0.03
1194	332370	5448720	1		0.03
1195	333005	5448855	1		0.03
1196	333455	5448600	1		0.01
1197	333367	5449308	2		0.02
1198	332765	5449460	2		0.02
1199	332640	5449505	4		0.02
1200	341580	5467540	1		0.03
1201	341810	5467625	<0.1		0.09
1202	341370	5467570	<0.1		0.01
1203	341580	5467340	<0.1		0.01

Appendix 1, Part 2

GREENSTONE RESOURCES

-80# ASSAY RESULTS

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
2001	332570	5452685	5		<0.1	<10	29	11	41	<2	<2
2003	335300	5456580	3		<0.1	<10	34	9	48	<2	<2
2005	335980	5457140.87	2		<0.1	<10	100	5	126	<2	4
2007	333640	5454892	5		<0.1	<10	29	7	35	<2	<2
2009	334232	5456525	5		<0.1	<10	42	5	43	<2	<2
2010	334450	5456825	2		<0.1	<10	85	5	70	<2	<2
2012	331880	5452610	2		<0.1	<10	44	6	46	<2	<2
2013	331040	5451850	2		<0.1	<10	24	10	35	<2	<2
2014	336993	5459320	1		<0.1	<10	23	11	109	<2	<2
2016	337160	5458440	1		<0.1	<10	20	8	35	<2	<2
2017	336950	5458505	<1		<0.1	10	39	9	75	<2	<2
2018	337345	5458450	6		<0.1	<10	47	7	83	<2	<2
2019	337310	5458390	<1		<0.1	<10	49	9	88	<2	<2
2020	338015	5459925	4		<0.1	12	74	10	124	<2	<2
2021	337745	5459575	3		<0.1	<10	115	11	175	<2	4
2022	329600	5450460	<1		<0.1	<10	20	10	34	<2	<2
2023	329315	5449200	4		<0.1	<10	105	7	94	<2	<2
2024	330290	5448960	<1		<0.1	<10	148	8	153	<2	3
2025	330955	5447720	2		<0.1	<10	145	7	150	<2	<2
2026	330900	5448485	<1		<0.1	<10	98	8	161	<2	3
2027	330920	5448515	<1		<0.1	<10	117	8	246	<2	3
2028	331640	5450390	<1		<0.1	<10	56	11	140	<2	<2
2029	336930	5458270	2		<0.1	17	42	7	167	<2	2
2030	340335	5462775	<1		<0.1	20	126	8	108	<2	<2
2031	329920	5447050	9	10	0.8	64	53	65	169	4	<2
2032	329750	5447875	2		<0.1	<10	33	6	61	<2	<2
2033	334670	5455195	2		<0.1	<10	168	6	141	<2	<2
2034	335170	5454840	2		<0.1	<10	104	6	156	<2	<2
2035	335170	5454825	2		<0.1	<10	183	4	168	<2	<2
2036	337225	5456480	2		<0.1	<10	121	6	61	<2	<2

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
2037	337285	5456595	1		<0.1	<10	120	6	115	<2	<2
2038	336580	5456635	1		<0.1	<10	78	3	89	<2	<2
2039	336240	5455170	2		<0.1	<10	138	5	146	<2	<2
2040	336240	5455110	1		<0.1	<10	205	4	90	<2	<2
2041	337200	5457830	<1		<0.1	<10	71	9	131	<2	<2
2042	333440	5453215	2		<0.1	<10	142	3	51	<2	<2
2043	334960	5455340	2		<0.1	<10	173	5	128	<2	<2
2044	336625	5457295	<1		<0.1	<10	93	7	150	<2	<2
2045	330890	5449850	1		<0.1	<10	90	4	110	<2	<2
2046	335370	5456310	<1		<0.1	<10	69	6	129	<2	<2
2047	336570	5457490	<1		<0.1	<10	47	5	74	<2	<2
2048	335965	5458100	<1		<0.1	<10	22	7	33	<2	<2
2049	340875	5462945	<1		<0.1	<10	54	7	89	<2	2
2050	340730	5462720	<1		<0.1	<10	60	7	111	<2	<2
2051	342445	5460950	<1		<0.1	<10	63	9	115	<2	<2
2052	343305	5461445	<1		<0.1	<10	26	9	126	<2	<2
2053	343200	5461475	<1		<0.1	<10	26	11	61	<2	<2
2054	342360	5461720	<1		<0.1	<10	19	11	27	<2	<2
2055	342400	5461705	<1		<0.1	<10	18	9	37	<2	<2
2056	342440	5461765	<1		<0.1	<10	34	11	99	<2	<2
2057	344040	5461000	<1		<0.1	<10	24	7	29	<2	<2
2058	344105	5461090	<1		<0.1	<10	19	7	35	<2	<2
2059	344115	5461235	<1		<0.1	<10	27	9	60	<2	<2
2060	344060	5461370	<1		<0.1	<10	27	10	68	<2	<2
2061	344700	5460800	<1	<1	<0.1	<10	26	7	40	<2	<2
2062	344800	5461500	<1		<0.1	<10	18	5	82	<2	<2
2063	344350	5465910	<1		<0.1	<10	25	6	127	<2	<2
2064	344140	5466515	<1		<0.1	<10	26	6	104	<2	<2
2065	341950	5466315	<1		<0.1	<10	28	8	137	<2	<2
2066	342020	5466305	<1		<0.1	14	128	7	93	<2	<2
2067	343015	5465925	<1		<0.1	50	44	22	171	4	<2
2068	341620	5466810	<1		<0.1	<10	74	10	242	<2	<2
2069	341755	5466845	<1		<0.1	<10	37	15	70	<2	<2
2070	342775	5466515	<1		<0.1	<10	18	12	44	<2	<2
2071	343030	5467635	<1		<0.1	<10	29	8	78	<2	<2
2072	342760	5467675	<1		<0.1	<10	26	11	46	<2	<2

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
2073	342755	5467925	<1		<0.1	<10	39	12	134	<2	2
2074	343305	5466545	<1		<0.1	<10	36	11	94	<2	<2
2075	343255	5466955	<1		<0.1	<10	21	5	48	<2	<2
2076	343790	5467640	<1		<0.1	<10	33	6	225	<2	<2
2077	343625	5467530	<1		<0.1	<10	34	11	63	<2	<2
2078	340600	5463220	<1		<0.1	<10	46	10	88	<2	<2
2079	340505	5463310	<1		<0.1	10	51	10	90	<2	<2
2080	340505	5463115	<1		<0.1	<10	54	6	92	<2	<2
2081	340170	5463040	<1		<0.1	<10	62	7	122	<2	<2
2082	340675	5460820	1		<0.1	<10	75	18	110	<2	<2
2083	340270	5461175	1		<0.1	<10	139	10	106	<2	<2
2084	340175	5461185	1		<0.1	<10	87	10	196	<2	<2
2085	340025	5461780	2		<0.1	<10	132	14	116	<2	<2
2086	340005	5462365	<1		<0.1	<10	84	9	61	<2	<2
2087	340060	5462780	<1		<0.1	15	74	13	65	<2	<2
2088	340280	5465800	<1		<0.1	<10	52	9	125	<2	<2
2089	340265	5466345	<1		<0.1	<10	64	8	123	<2	<2
2090	341400	5464910	<1		<0.1	<10	105	8	151	<2	<2
2091	341275	5464850	<1		<0.1	<10	43	7	131	<2	<2
2092	341140	5464620	1		<0.1	<10	91	7	200	<2	<2
2093	343730	5465380	<1		<0.1	<10	45	6	131	<2	<2
2094	343675	5465365	<1		<0.1	<10	47	6	152	<2	<2
2095	343650	5465435	<1		<0.1	<10	46	6	149	<2	<2
2096	342585	5464425	<1		<0.1	<10	39	5	116	<2	<2
2097	342650	5464450	<1		<0.1	<10	56	5	168	<2	<2
2098	341230	5462435	2		<0.1	<10	100	5	162	<2	<2
2099	341250	5462455	<1		<0.1	<10	48	5	111	<2	<2
2100	340860	5465360	2		<0.1	<10	96	6	90	<2	<2
2101	340570	5465195	2		<0.1	<10	99	22	152	<2	<2
2102	340525	5464980	<1		<0.1	<10	55	8	147	<2	<2
2103	341900	5461250	1		<0.1	<10	40	18	56	<2	<2
2104	340575	5467130	1		<0.1	<10	117	11	123	<2	<2
2105	342030	5462290	<1		<0.1	<10	55	11	96	<2	2
2106	342080	5462260	<1		<0.1	<10	36	9	111	<2	<2
2107	341900	5462510	<1		<0.1	<10	59	14	170	<2	<2
2108	341830	5462480	<1		<0.1	<10	43	10	112	<2	<2

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
2109	341105	5463800	<1		<0.1	<10	73	8	151	<2	<2
2110	341220	5467375	1		<0.1	40	34	9	458	<2	<2
2111	341970	5464010	<1		<0.1	<10	42	6	133	<2	<2
2112	340220	5464055	1		<0.1	<10	33	5	60	<2	<2
2113	340085	5467570	2		<0.1	<10	12	2	27	<2	<2
2114	340820	5468280	1		<0.1	<10	67	8	79	<2	<2
2115	342955	5468880	1		<0.1	<10	49	15	78	<2	<2
2116	340760	5468750	2		<0.1	<10	118	10	161	<2	<2
2117	341510	5468620	1		<0.1	<10	75	10	93	<2	<2
2118	340805	5468090	1		<0.1	<10	34	10	76	<2	<2
2119	341610	5470560	<1		<0.1	<10	88	6	74	<2	<2
2120	341520	5470470	2		<0.1	<10	92	6	85	<2	<2
2121	342655	5469515	<1		<0.1	<10	52	7	110	<2	<2
2122	343025	5469610	1		<0.1	<10	44	13	76	<2	<2
2123	342572	5470620	1		<0.1	<10	52	8	175	<2	<2
2124	342785	5471805	<1		<0.1	<10	28	7	66	<2	<2
2125	342985	5471680	1		<0.1	<10	37	8	104	<2	2
2126	342880	5471985	<1		<0.1	<10	57	5	71	<2	<2
2127	343290	5471140	<1		<0.1	<10	41	10	137	<2	<2
2128	343245	5471315	1		<0.1	<10	74	14	141	<2	<2
2129	342505	5471380	3		<0.1	<10	58	12	122	<2	<2
2130	343870	5472950	<1		<0.1	<10	27	8	76	<2	<2
2131	343675	5474150	<1		<0.1	<10	5	3	10	<2	<2
2132	332475	5452055	2		<0.1	<10	93	5	84	<2	2
2133	332340	5453470	<1		<0.1	<10	48	6	45	<2	<2
2134	333310	5454160	1		<0.1	<10	69	5	45	<2	<2
2135	333650	5454425	<1		<0.1	<10	31	3	17	<2	<2
2136	333890	5455610	2		<0.1	<10	136	10	151	<2	<2
2137	334305	5455915	1		<0.1	<10	121	8	89	<2	<2
2138	334630	5456180	2		<0.1	<10	137	7	99	<2	<2
2139	334810	5456302	3		<0.1	<10	121	8	103	<2	<2
2140	335515	5456790	1		<0.1	<10	97	8	100	<2	<2
2141	336570	5457805	<1		<0.1	<10	52	7	77	<2	<2
2142	337005	5459350	<1		<0.1	<10	28	7	106	<2	<2
2143	342600	5474135	<1		<0.1	<10	47	9	128	<2	<2
2144	342400	5473765	<1		<0.1	<10	42	7	54	<2	<2

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
2145	342320	5474466	<1		<0.1	<10	37	6	67	<2	<2
2146	342795	5474423	<1		0.1	178	16	10	80	<2	<2
2147	340325	5469880	<1		<0.1	<10	22	3	38	<2	<2
2148	340445	5469630	<1		<0.1	14	60	8	112	<2	<2
2149	340450	5469675	<1		<0.1	<10	53	6	82	<2	<2
2150	341280	5469174	2		<0.1	<10	43	13	55	<2	<2
2151	340515	5470695	<1		<0.1	<10	52	6	53	<2	<2
2152	341545	5472135	<1		<0.1	<10	47	8	65	<2	<2
2153	341630	5472245	<1		<0.1	11	62	5	73	<2	<2
2154	341280	5472420	<1		<0.1	<10	37	7	49	<2	<2
2155	340760	5471970	<1		<0.1	<10	4	2	5	<2	<2
2156	342185	5471780	<1		<0.1	<10	42	8	36	<2	<2
2157	342460	5472480	<1		<0.1	<10	35	9	67	<2	<2
2158	342600	5473505	<1		<0.1	<10	33	6	69	<2	<2
2159	344420	5471050	<1		<0.1	<10	41	41	91	<2	<2
2160	343775	5470850	<1		<0.1	<10	17	12	36	<2	<2
2161	344010	5471610	<1		<0.1	14	21	14	52	<2	<2
2162	343330	5474350	<1		<0.1	30	7	4	29	<2	<2
2163	343330	5474420	<1		<0.1	48	11	10	23	<2	<2
2164	337690	5463780	<1		<0.1	22	80	11	140	<2	<2
2165	339200	5467790	<1		<0.1	11	34	6	35	<2	<2
2166	341520	5473250	<1		<0.1	12	35	8	98	<2	<2
2167	341460	5473250	<1		<0.1	13	33	9	48	<2	<2
2168	341545	5473650	1		<0.1	11	58	4	45	<2	<2
2169	343200	5472520	<1		<0.1	17	29	7	31	<2	<2
2170	338411	5463070	<1		<0.1	12	15	8	53	<2	<2
2171	338151	5462980	<1		<0.1	11	17	11	36	<2	<2
2172	338640	5463990	<1		<0.1	11	27	11	59	<2	<2
2173	338593	5463870	1		<0.1	<10	53	13	108	<2	<2
2174	341090	5472430	<1		<0.1	10	41	7	65	<2	<2
2175	340910	5474200	<1		<0.1	13	5	3	12	<2	<2
2176	340720	5473080	<1		<0.1	14	4	2	17	<2	<2
2177	336135	5460775	<1		<0.1	13	21	9	57	<2	<2
2178	338720	5460940	<1		<0.1	<10	70	7	128	<2	<2
2179	338900	5460440	<1		<0.1	14	104	9	120	<2	<2
2180	338925	5460490	<1		<0.1	13	70	7	143	<2	<2

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
2181	337945	5461050	<1		<0.1	13	31	12	35	<2	<2
2182	336880	5460265	<1		<0.1	12	6	2	6	<2	<2
2183	338815	5461080	<1		<0.1	<10	56	10	93	<2	<2
2184	338310	5461600	<1		<0.1	17	22	7	23	<2	<2
2185	338400	5461520	<1		<0.1	10	66	9	114	<2	<2
2186	339130	5463510	<1		<0.1	13	58	11	111	<2	<2
2187	339225	5466455	<1		<0.1	11	39	8	100	<2	<2
2188	339535	5465630	<1		<0.1	12	37	6	98	<2	<2
2189	339725	5462430	1		<0.1	<10	79	11	90	<2	<2
2190	339520	5462035	<1		<0.1	14	31	8	31	<2	<2
2191	339210	5461470	<1		<0.1	11	77	11	114	<2	<2
2192	332180	5448590	2	1	<0.1	<10	107	7	156	<2	<2
2193	332510	5448340	1		<0.1	<10	89	6	148	<2	<2
2194	332370	5448720	2	2	<0.1	11	141	5	198	<2	<2
2195	333005	5448855	<1		<0.1	<10	86	7	121	<2	<2
2196	333455	5448600	2		<0.1	13	43	5	102	<2	<2
2197	333367	5449308	2		<0.1	<10	105	4	177	<2	<2
2198	332765	5449460	2	2	<0.1	<10	163	5	133	<2	<2
2199	332640	5449505	2		<0.1	<10	194	5	167	<2	<2
2200	341580	5467540	<1		<0.1	133	26	4	169	<2	9
2201	341810	5467625	1		<0.1	19	47	14	215	<2	<2
2202	341370	5467570	<1		<0.1	27	12	4	61	<2	2
2203	341580	5467340	2		<0.1	26	35	13	108	<2	<2

**Morrith Holdings Pty Ltd
Roger River Project
EIs 11/97, 12/97, 13/97, 14/97, 61/94 & 17/01
Combined annual report to
18.12.02**

Appendix 2

ROCK CHIP DATA

Part 1: Assay data

Individual rock samples rather than composites. The samples were dried and pulverised at Analabs' Cooee laboratory. They were analysed at Genalysis' Gosnells laboratory using aqua regia digest, solvent extraction with carbon furnace AAS for Au (DL1 ppb) and flame AAS for Ag (0.1ppm), Sb (2 ppm), As (10 ppm), Tl (2 ppm), Cu (1 ppm), Pb (1ppm), Zn (1 ppm). Four samples were also analysed for barium (method EDTA/OES, DL 2 ppm) and mercury (method CM/CVAP, DL 0.01 ppm) by Genalysis.

Part 2: Rock descriptions

Appendix 2, Part 1

GREENSTONE RESOURCES

ROCK CHIP ASSAY RESULTS

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3001	332160	5451605	1		<0.1	<10	29	5	33	<2	<2		
3002	340873	5463295	2		<0.1	<10	53	6	156	<2	<2		
3003	340864	5463291	<1		<0.1	<10	66	7	238	<2	<2		
3004	340848	5463278	<1		<0.1	<10	15	11	10	<2	<2		
3005	340835	5463262	<1		<0.1	25	69	6	180	<2	<2		
3006	340825	5463248	<1		<0.1	<10	86	6	52	<2	<2		
3007	340810	5463239	<1		<0.1	<10	13	4	8	<2	<2		
3008	340793	5463234	<1		<0.1	20	45	9	12	<2	<2		
3009	340777	5463232	2		<0.1	36	54	9	5	<2	<2		
3010	340741	5463235	1		<0.1	10	25	8	5	<2	<2		
3011	340674	5463275	1		<0.1	<10	11	6	11	2	<2		
3012	340664	5463277	2		<0.1	<10	55	9	392	3	<2		
3013	340647	5463280	<1		<0.1	<10	10	11	14	<2	<2		
3014	340631	5463281	<1		<0.1	<10	12	13	13	4	<2		
3015	340620	5463280	1		<0.1	<10	10	10	9	2	<2		
3016	340593	5463281	<1		<0.1	<10	9	9	10	<2	<2		
3017	336957	5458290	<1		<0.1	<10	4	3	7	<2	<2		
3018	337048	5458325	2		<0.1	<10	8	4	17	<2	<2		
3019	337065	5458339	<1		<0.1	18	6	9	43	4	<2		
3020	337086	5458379	<1		<0.1	40	17	4	14	3	<2		
3021	340765	5462819	2		<0.1	12	95	74	290	<2	5		
3022	340765	5462819	1		<0.1	11	101	19	210	<2	<2		
3023	340765	5462819	1		<0.1	23	391	152	402	<2	<2		
3024	340860	5462690	5		<0.1	<10	72	4	73	<2	3		
3025	340720	5462850	<1		<0.1	41	95	30	127	<2	<2		
3026	340349	5462820	<1		<0.1	27	89	10	43	<2	<2		
3027	340363	5462834	1		<0.1	32	70	9	35	<2	<2		
3028	340378	5462847	1		<0.1	17	63	8	34	<2	<2		
3029	340386	5462855	1		<0.1	29	83	13	110	<2	<2		
3030	340408	5462870	3		<0.1	17	69	12	79	<2	<2		
3031	340414	5462878	<1		<0.1	33	41	20	55	<2	<2		

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3032	340445	5462909	1		<0.1	15	46	15	34	<2	<2		
3033	340459	5462930	1		<0.1	70	57	21	44	5	<2		
3034	340469	5462940	2		<0.1	17	42	19	42	<2	<2		
3035	340488	5462962	7		<0.1	19	135	29	17	6	<2		
3036	340511	5462977	2		<0.1	28	148	18	269	5	<2		
3037	340525	5462979	5		<0.1	<10	886	17	96	5	<2		
3038	340528	5462972	12	13	<0.1	22	96	22	510	6	<2		
3039	340534	5462965	3		<0.1	19	55	12	11	<2	<2		
3040	340541	5462952	2		<0.1	28	68	18	7	2	<2		
3041	340543	5462941	2		<0.1	20	72	18	5	<2	<2		
3042	340546	5462935	1		<0.1	23	115	9	3	<2	<2		
3044	340547	5462933	<1		<0.1	115	99	9	4	<2	<2		
3045	340548	5462922	4		<0.1	36	39	14	9	<2	<2		
3046	340536	5462931	<1		<0.1	22	90	8	9	4	<2		
3047	340550	5462913	1		<0.1	13	89	7	14	2	<2		
3048	340552	5462900	<1		<0.1	<10	50	10	15	<2	<2		
3049	340557	5462882	2		<0.1	33	85	22	95	<2	<2		
3050	337180	5458075	<1		<0.1	<10	8	5	21	<2	<2		
3051	337120	5458120	5		<0.1	44	22	17	378	2	<2		
3052	337032	5458065	1		<0.1	<10	5	1	10	<2	<2		
3053	337028	5458065	<1		<0.1	63	8	6	177	7	<2		
3054	337022	5458065	<1		<0.1	<10	6	16	11	<2	<2		
3055	336883	5458007	1		<0.1	12	8	16	20	<2	<2		
3056	336917	5457968	<1		<0.1	<10	5	2	11	<2	<2		
3057	336969	5457980	3		<0.1	134	15	11	97	4	<2		
3058	337059	5458012	1		<0.1	20	10	8	64	3	<2		
3059	337057	5457900	4		<0.1	37	132	28	86	2	<2		
3060	337250	5458285	<1		<0.1	16	6	6	26	<2	<2		
3061	337661	5459237	<1		<0.1	84	11	10	104	17	<2		
3062	337661	5459237	<1		<0.1	16	4	7	4	<2	<2		
3063	337661	5459237	<1		<0.1	11	<1	<1	1	<2	<2		
3064	337915	5459493	<1		<0.1	12	3	3	3	<2	<2		
3065	337970	5459650	<1		<0.1	142	3	18	57	19	<2		
3066	337415	5459047	<1		<0.1	12	2	2	7	<2	<2		
3067	337420	5459042	<1		<0.1	38	1	18	4	2	<2		
3068	337399	5459020	<1		<0.1	11	5	8	4	<2	<2		

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3069	337426	5459004	<1		<0.1	<10	<1	24	4	<2	<2		
3070	337412	5458986	<1		<0.1	<10	30	15	26	<2	<2		
3070	337412	5458986	<1		<0.1	<10	32	15	28	<2	<2		
3071	337429	5458928	<1		<0.1	<10	14	24	27	<2	<2		
3072	337497	5458939	<1		<0.1	<10	22	7	32	<2	<2		
3073	337413	5458711	<1		<0.1	<10	10	5	25	<2	<2		
3074	337547	5458471	<1		<0.1	<10	103	16	183	<2	<2		
3075	337450	5458540	<1		1.5	129	51	14	670	8	<2	226	0.06
3076	337386	5458586	<1		<0.1	<10	7	2	21	<2	<2		
3077	336828	5457828	<1		<0.1	<10	7	1	13	<2	<2		
3078	336734	5457664	<1		<0.1	<10	6	10	22	6	<2		
3079	336544	5457406	5	5	<0.1	15	7	14	54	12	<2	47	0.22
3080	336442	5457483	<1		<0.1	<10	2	5	14	<2	<2		
3081	336369	5457411	<1		<0.1	25	7	6	15	8	<2		
3082	336369	5457411	2		<0.1	14	5	2	19	9	<2		
3083	336339	5457440	1		<0.1	102	12	20	29	22	<2	59711	1.48
3084	336339	5457440	2		<0.1	50	7	9	22	10	<2	38822	0.28
3085	336328	5457447	<1		<0.1	35	8	3	9	7	<2		
3086	332767	5452334	4		<0.1	<10	162	6	100	<2	<2		
3087	332636	5452173	2		<0.1	<10	321	3	80	<2	<2		
3088	332521	5451907	19	15	<0.1	<10	226	3	109	<2	<2		
3089	335310	5456040	4	4	<0.1	<10	298	3	138	<2	<2		
3090	334975	5455535	3		<0.1	<10	254	4	70	<2	<2		
3091	334465	5454555	2		<0.1	<10	209	3	135	<2	<2		
3092	334460	5454650	3		<0.1	<10	174	3	63	<2	<2		
3093	334510	5454725	6	4	<0.1	<10	85	1	75	<2	<2		
3094	334510	5454745	4		<0.1	<10	120	1	76	<2	<2		
3095	334495	5454805	2		<0.1	<10	146	2	56	<2	<2		
3095	334495	5454805	2		<0.1	<10	174	2	67	<2	<2		
3096	333368	5453150	<1		<0.1	<10	14	<1	6	<2	<2		
3097	333415	5453110	2		0.2	<10	16	4	194	<2	<2		
3098	333815	5453615	<1		<0.1	<10	62	4	35	<2	<2		
3099	336578	5457794	<1		<0.1	17	4	9	11	7	<2		
3099	336578	5457794	<1		<0.1	16	5	9	13	7	<2		
3100	339520	5462035	2		<0.1	29	27	9	128	<2	<2		
3101	343950	5471510	<1		<0.1	<10	4	<1	5	<2	<2		

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3102	343970	5471660	<1		<0.1	<10	6	2	8	<2	<2		
3103	344100	5471690	<1		<0.1	<10	6	14	23	<2	<2		
3104	344590	5472270	<1		<0.1	<10	5	<1	5	<2	<2		
3105	344440	5471100	<1		0.2	<10	7	3	9	<2	<2		
3106	343800	5470390	<1		<0.1	11	17	5	25	<2	<2		
3107	343770	5470750	<1		<0.1	<10	4	<1	15	<2	<2		
3108	343920	5471020	<1		<0.1	<10	4	1	6	<2	<2		
3109	342860	5474550	<1		<0.1	13	7	<1	27	<2	<2		
3110	342110	5473460	<1		<0.1	<10	3	<1	2	<2	<2		
3110	342110	5473460	<1		<0.1	<10	3	<1	2	<2	<2		
3111	342660	5474060	<1		<0.1	58	9	1	45	<2	<2		
3112	341650	5474260	<1		<0.1	<10	25	2	32	<2	<2		
3113	343370	5474450	<1		<0.1	12	27	1	430	<2	<2		
3114	343470	5472540	<1		<0.1	<10	5	2	9	<2	<2		
3115	343310	5472830	1		<0.1	<10	9	2	107	<2	<2		
3116	343360	5472840	<1		<0.1	<10	7	2	31	<2	<2		
3117	343360	5472840	3		<0.1	<10	12	1	211	<2	<2		
3118	343140	5471860	<1		<0.1	<10	10	<1	264	<2	<2		
3119	343000	5473140	3		<0.1	<10	8	<1	47	<2	<2		
3120	343060	5473020	13	10	<0.1	<10	35	2	62	<2	<2		
3121	343060	5473020	9	6	0.1	<10	65	12	797	3	<2		
3122	343440	5472930	<1		<0.1	<10	6	<1	18	<2	<2		
3123	344350	5472950	<1		<0.1	<10	3	<1	4	<2	<2		
3124	344450	5473600	<1		<0.1	<10	5	4	12	<2	<2		
3125	343600	5474250	<1		<0.1	<10	6	3	5	<2	<2		
3126	343900	5473300	<1		<0.1	20	14	3	19	2	<2		
3127	343550	5471790	<1		<0.1	<10	6	<1	12	<2	<2		
3128	342780	5471890	<1		<0.1	<10	42	8	29	<2	<2		
3129	342450	5473040	2		<0.1	<10	233	3	167	<2	<2		
3130	342650	5475650	<1		<0.1	<10	5	<1	5	<2	<2		
3131	339643	5475451	<1		<0.1	<10	<1	1	3	<2	<2		
3132	339569	5475490	<1		<0.1	<10	3	2	2	<2	<2		
3133	339527	5475650	1		<0.1	<10	2	3	6	<2	<2		
3134	339492	5475649	<1		<0.1	<10	<1	1	2	<2	<2		
3135	342898	5474368	<1	<1	<0.1	368	<1	<1	129	<2	<2		
3135	342898	5474368	<1	1	<0.1	404	1	<1	140	<2	<2		

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3136	342712	5474434	<1	<1	<0.1	724	<1	1	817	9	<2		
3137	341457	5474357	5	4	<0.1	<10	130	1	77	<2	<2		
3138	341457	5474357	3		<0.1	<10	550	2	64	<2	<2		
3139	340909	5470086	<1		<0.1	10	177	4	116	<2	<2		
3140	341014	5470428	<1		<0.1	<10	63	4	63	<2	<2		
3141	341029	5470500	<1		<0.1	14	30	3	63	<2	<2		
3142	341493	5473251	<1		<0.1	<10	46	2	95	<2	<2		
3143	341251	5473218	<1		<0.1	<10	73	5	265	<2	<2		
3144	341208	5472993	<1		<0.1	<10	7	<1	3	<2	<2		
3145	341203	5473012	<1		<0.1	<10	7	<1	6	<2	<2		
3146	341151	5472824	<1		<0.1	<10	3	1	17	<2	<2		
3147	341055	5472689	<1		<0.1	<10	38	2	11	<2	<2		
3148	341166	5472641	<1		<0.1	26	52	8	213	<2	<2		
3149	341166	5472641	<1		<0.1	<10	11	<1	11	<2	<2		
3150	341431	5471627	<1		<0.1	<10	343	3	88	<2	<2		
3151	341104	5471902	<1		<0.1	<10	29	3	12	<2	<2		
3152	341104	5471902	<1		<0.1	<10	95	2	67	<2	<2		
3153	341147	5472113	<1		<0.1	<10	7	2	5	<2	<2		
3154	341206	5472071	<1		<0.1	<10	5	<1	1	<2	<2		
3155	341388	5472113	<1		<0.1	<10	64	5	100	<2	<2		
3156	341200	5472500	2		<0.1	<10	99	2	74	<2	<2		
3157	341269	5472419	<1		<0.1	<10	2	<1	2	<2	<2		
3158	341645	5472389	3		<0.1	<10	43	1	83	<2	<2		
3159	341080	5473086	<1		<0.1	<10	2	<1	5	<2	<2		
3160	341080	5473086	<1		<0.1	<10	<1	<1	7	<2	<2		
3160	341080	5473086	<1		<0.1	<10	<1	<1	7	<2	<2		
3161	341080	5473086	<1		<0.1	<10	2	<1	11	<2	<2		
3162	341080	5473086	<1		<0.1	<10	10	<1	4	<2	<2		
3163	340614	5468111	<1		<0.1	<10	11	2	95	<2	<2		
3164	340649	5468078	<1		<0.1	<10	11	2	122	<2	<2		
3165	341392	5470713	<1		<0.1	<10	166	2	78	<2	<2		
3166	341151	5470622	<1		<0.1	<10	129	4	78	<2	<2		
3167	341158	5470846	<1		<0.1	11	181	3	86	<2	<2		
3168	341151	5470962	<1		<0.1	10	49	4	81	<2	<2		
3169	341210	5471158	<1		<0.1	10	18	4	60	<2	<2		
3170	341223	5471197	<1		<0.1	<10	95	2	88	<2	<2		

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3171	341352	5471365	<1	<1	<0.1	<10	104	5	110	<2	<2		
3172	343770	5473500	<1		<0.1	<10	3	<1	3	<2	<2		
3173	343890	5472136	<1		<0.1	<10	4	<1	9	<2	<2		
3174	344504	5471742	<1	<1	<0.1	21	12	10	125	<2	<2		
3175	344431	5471732	<1		<0.1	22	14	15	130	<2	<2		
3176	344987	5471773	<1		<0.1	10	3	<1	11	<2	<2		
3177	344356	5471166	<1		<0.1	<10	<1	<1	4	<2	<2		
3178	344356	5471166	1		<0.1	<10	5	1	7	<2	<2		
3179	344050	5471398	<1		<0.1	<10	4	26	7	<2	<2		
3180	343438	5470779	2		0.1	21	113	19	59	<2	<2		
3181	343014	5471276	<1		0.1	18	75	11	86	<2	<2		
3182	342907	5470552	<1		0.1	23	29	10	129	<2	<2		
3183	342847	5471105	<1		<0.1	<10	3	<1	2	<2	<2		
3184	342164	5471494	18	15	<0.1	<10	93	2	56	<2	<2		
3185	341228	5469831	5	5	<0.1	<10	190	2	23	<2	<2		
3186	340388	5469608	<1		0.1	<10	125	34	114	<2	<2		
3187	340649	5468993	<1		<0.1	14	13	<1	70	<2	<2		
3188	344410	5470463	<1		<0.1	<10	6	2	2	<2	<2		
3189	341810	5469955	<1		<0.1	<10	4	2	3	<2	<2		
3189	341810	5469955	<1		<0.1	12	6	2	2	<2	<2		
3190	341024	5468549	2		<0.1	14	142	1	7	<2	<2		
3191	341008	5468545	1		<0.1	14	86	1	14	<2	<2		
3192	343309	5468946	<1		<0.1	16	6	19	2	<2	<2		
3193	343761	5468396	<1		0.7	28	7	80	12	6	<2		
3194	341836	5467676	<1		<0.1	37	61	9	291	<2	<2		
3195	341844	5467666	3		<0.1	37	19	8	1225	<2	<2		
3196	341844	5467666	<1		<0.1	35	21	10	911	<2	<2		
3197	341580	5467541	<1		<0.1	18	3	<1	26	<2	<2		
3198	341588	5467593	<1		<0.1	64	<1	<1	127	<2	<2		
3199	341571	5467637	<1		<0.1	25	<1	<1	20	<2	<2		
3200	341399	5467543	<1		<0.1	21	<1	<1	11	<2	<2		
3201	341392	5467562	<1		<0.1	30	<1	<1	17	<2	<2		
3202	341417	5467599	<1		<0.1	28	1	<1	4	<2	<2		
3203	341399	5467543	<1		<0.1	23	<1	<1	13	<2	<2		
3204	341474	5467337	<1		<0.1	15	20	6	65	<2	<2		
3205	341518	5467257	1		<0.1	112	7	2	2190	42	8		

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3206	341590	5467311	3		<0.1	29	15	7	136	4	<2		
3207	341860	5466727	5	6	<0.1	150	118	50	7	5	<2		
3208	344300	5479100	2		<0.1	12	132	17	106	<2	<2		
3301	332320	5448375	8		<0.1	<10	112	1	80	<2	<2		
3302	339210	5461465	<1		<0.1	739	22	302	138	29	<2		
3303	339210	5461465	<1		0.2	44	12	44	18	4	<2		
3304	332325	5448335	2		<0.1	<10	98	2	68	<2	<2		
3305	340700	5462850	<1		<0.1	16	3	5	5	8	<2		
3306	340725	5462850	<1		<0.1	20	104	15	97	<2	<2		
3307	337078	5457885	2		<0.1	20	46	22	22	2	<2		
3308	337099	5457870	2		0.1	12	165	6	55	<2	<2		
3309	337120	5457855	1		<0.1	11	122	4	111	<2	<2		
3310	337141	5457840	1		<0.1	11	164	6	76	<2	<2		
3310	337141	5457840	1		0.1	<10	152	5	75	<2	<2		
3311	337160	5457825	1		<0.1	<10	149	3	61	<2	<2		
3312	333000	5448850	<1		<0.1	<10	104	<1	75	<2	<2		
3313	333104	5448693	2		<0.1	<10	63	7	100	<2	<2		
3314	333088	5448651	5	5	<0.1	<10	134	<1	52	<2	<2		
3315	333367	5449300	4		<0.1	<10	133	<1	60	<2	<2		
3316	332774	5449452	3		<0.1	<10	154	<1	75	<2	<2		
3317	332636	5449520	<1		<0.1	<10	71	<1	48	<2	<2		
3318	340899	5462351	4		<0.1	<10	100	1	39	<2	<2		
3319	340870	5462478	5	5	<0.1	<10	345	<1	72	<2	<2		
3320	340703	5462608	4		<0.1	<10	549	<1	39	<2	<2		
3321	340570	5462752	2		<0.1	<10	61	6	97	<2	<2		
3322	343737	5461359	<1		<0.1	19	14	8	25	2	<2		
3323	343740	5461330	<1		<0.1	13	16	2	17	<2	<2		
3324	344383	5461386	<1		0.2	<10	80	4	40	4	<2		
3325	344478	5461295	<1		<0.1	18	15	3	128	<2	<2		
3326	337728	5459500	<1		<0.1	81	8	22	548	171	<2		
3327	337875	5459890	1		<0.1	15	46	8	39	<2	<2		
3328	337875	5459890	4		<0.1	66	65	13	316	10	<2		
3329	338452	5460812	1		<0.1	21	52	16	29	2	<2		
3330	338742	5460831	<1		<0.1	12	2	1	10	2	<2		
3331	338925	5461118	<1		<0.1	22	5	24	18	4	<2		
3332	339005	5461285	<1		<0.1	22	37	7	35	<2	<2		

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl	Ba	Hg
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2		
3333	339443	5461948	<1		<0.1	24	15	1	245	<2	<2		
3334	338090	5458850	<1		<0.1	27	132	18	55	<2	<2		
3335	338225	5458850	<1		<0.1	18	133	16	40	<2	<2		
3335	338225	5458850	<1		<0.1	22	127	17	39	<2	<2		
3336	336840	5458125	2		<0.1	35	16	112	79	3	<2		
3337	336840	5458135	4	5	<0.1	17	15	52	41	<2	<2		
3338	338980	5461243	<1		0.1	59	85	121	197	30	<2		
3339	341210	5463757	1		<0.1	<10	192	1	152	<2	<2		
3340	339754	5462322	<1		<0.1	<10	4	2	8	<2	<2		
3341	339759	5462145	<1		<0.1	18	8	3	9	<2	<2		
3342	339576	5461985	<1		<0.1	984	56	4	102	<2	<2		
3343	338410	5460760	<1		<0.1	1273	35	11	318	11	<2		
3344	337620	5459140	<1		<0.1	19	11	6	20	<2	<2		
3345	337620	5459140	<1		<0.1	<10	11	<1	3	<2	<2		
3346	352738	5480111	<1	1	<0.1	<10	14	1	95	<2	<2		
3347	352738	5480111	<1	<1	<0.1	<10	7	<1	61	<2	<2		
3348	352738	5480111	<1	<1	<0.1	<10	12	<1	28	<2	<2		
3349	346045	5478030	<1	1	<0.1	144	10	4	7	<2	<2		
3350	346045	5478030	<1		<0.1	14	16	2	38	2	<2		
3351	346045	5478030	<1		0.1	19	18	21	14	5	<2		
3352	346045	5478030	<1		<0.1	61	564	23	48	<2	<2		
3353	338798	5461805	<1		<0.1	<10	58	3	72	<2	<2		
3354	338755	5460692	1		<0.1	11	280	42	419	<2	4		
3355	338334	5460103	1		<0.1	<10	123	4	107	<2	2		
3356	337260	5459451	<1		<0.1	<10	11	2	9	<2	<2		
3357	336072	5457452	<1		<0.1	18	17	3	8	6	<2		

Appendix 2, Part 2

GREENSTONE RESOURCES

ROCK CHIP SAMPLE DESCRIPTIONS

Sample No	AMG East	AMG North	Description
3001	332160	5451605	Fine-medium grained, basaltic rock with very fine grained, dense, brown, iron/silica patches (?amygdules). Epidote alteration.
3002	340873	5463295	Mod. weathered, massive basalt with 1mm limonite coatings on numerous fractures.
3003	340864	5463291	
3004	340848	5463278	Mod. weathered, massive, fine grained, greyish-white, soft, ?sericite-altered rock with limonite coated fractures.
3005	340835	5463262	V. weathered, massive, fine grained, greyish-white, soft, ?sericite-altered rock with numerous limonite coated fractures.
3006	340825	5463248	Mod. weathered, grey siltstone with cellular limonite after dissem. ?syngenetic pyrite. Some greyish-white, soft, ?altered patches. Abundant limonite coated fractures.
3007	340810	5463239	V. weathered, pale grey to pale orange, clay-rich rock with sandy texture.
3008	340793	5463234	Mod. weathered, medium grey siltstone with abundant limonite coated fractures.
3009	340777	5463232	Mod. weathered, pale grey, soft, altered siltstone with disseminated, porphyroblastic ?silicate mineral to 2mm, now largely altered to limonite. Numerous limonite coated fractures.
3010	340741	5463235	Mod. weathered, clay-rich, altered rock, after siltstone. Medium grey with reddish limonitic patches. Abundant, 1-3mm porphyroblasts replaced by cellular limonite or voids, euhedral polygonal form in section, originally vitreous, ?red colour.
3011	340674	5463275	Reddish-orange-brown siltstone with anastomosing slickensided shears on which there is a little coating of soft silicate.
3012	340664	5463277	Botryoidal goethite/limonite with soft, red and buff, ochreous infills, and voids.
3013	340647	5463280	Red-brown siltstone with patches of pale orange, granular quartz and veinlets of quartz and ?clay.
3014	340631	5463281	Particularly Fe-rich (heavy) red-brown siltstone with slickensided shears.
3015	340620	5463280	Red-brown siltstone with slickensided shears and veinlet of fine grained, granular white mineral (?quartz).
3016	340593	5463281	Similar 3015.
3017	336957	5458290	Leached, medium grey and pale coloured, quartz-altered rock with moderate iron staining.
3018	337048	5458325	Quartz-altered rock. Striking breccia texture with about 35% of angular fragments of medium grey, granular quartz in a matrix of white, opaline quartz. Drusy quartz cavities, a few with limonite.
3019	337065	5458339	Medium grey, granular quartz with vughs and seams of red-brown cellular limonite.
3020	337086	5458379	Medium grey, granular, quartz rock with common very fine grained, disseminated pyrite.
3021	340765	5462819	Fault zone in mod. weathered, buff siltstone. Contains seams of black, earthy, ?manganiferous mineral.
3022	340765	5462819	Similar 3021.
3023	340765	5462819	Similar 3021.
3024	340860	5462690	Massive basalt with very fine grained, dense, brown ?iron/silica patches (?amygdules). Epidote altered, sparse disseminated euhedral magnetite.
3025	340720	5462850	Grey siltstone rich in ?syngenetic pyrite.
3026	340349	5462820	Pale orange-brown clay at base of 3m cutting.
3027	340363	5462834	Buff clay at base of 3m cutting. Minor fragments of buff siltstone and red-brown siltstone.
3028	340378	5462847	
3029	340386	5462855	

Sample No	AMG East	AMG North	Description
3030	340408	5462870	Red-brown clay at base of 3m cutting.
3031	340414	5462878	.Brown 'hard pan' of limonite and clay
3032	340445	5462909	Red-brown clay at base of 1.5m cutting.
3033	340459	5462930	Red-brown clay at base of 2.5m cutting. Few fragments of goethite/limonite and khaki, ?dolomitic siltstone
3034	340469	5462940	
3035	340488	5462962	V. weathered, red-brown siltstone with abundant goethite/limonite in overlying regolith.
3036	340511	5462977	Similar 3035.
3037	340525	5462979	V. weathered, red-brown and orange siltstone with goethite/limonite seams.
3038	340528	5462972	Similar 3037, but no goethite/limonite seams.
3039	340534	5462965	Mod. weathered, reddish-purple siltstone containing pale grey, porcelainous, soft alteration with crude layered texture. Cross cutting limonitic fractures. Disseminated, polygonal porphyroblasts replaced by limonite.
3040	340541	5462952	Similar 3039 with very thin breccia seams of white angular fragments in red, limon-itic matrix. Porphyroblasts replaced by red-brown limonite.
3041	340543	5462941	Similar 3039, but with much more pale grey, porcelainous alteration. Porphyroblasts replaced by red-brown limonite.
3042	340546	5462935	Similar 3039, but more limonite in patches and thin, short seams. Some of the pale material is well crystallised quartz.
3043			Possible XRD sample. Not assayed. Outcrop is partially silicified with abundant disseminated, polygonal porphyroblasts. Some of the latter appear to be the original mineral-vitreous, red colour.
3044	340547	5462933	Mod. weathered, pale pink to cream siltstone. Minor limonite.
3045	340548	5462922	Orange-brown clay with fragments of cream, altered siltstone. Minor limonite.
3046	340536	5462931	Pale alteration material with abundant disseminated porphyroblasts. Numerous limonitic fractures impart breccia texture.
3047	340550	5462913	Orange-brown clay with fragments of red-brown, limonitic silstone containing abundant porphyroblasts.
3048	340552	5462900	Orange-brown clay at base of 3m cutting. Altered rocks in overlying regolith.
3049	340557	5462882	V. weathered, olive siltstone and orange clay. Siltstone appears to be unaltered.
3050	337180	5458075	Breccia of angular, dark grey and medium grey, fine grained quartz fragments to 50mm in a matrix of lightly iron stained quartz.
3051	337120	5458120	Concretionary goethite/limonite pocket in a road cutting of leached, white siliceous materials.
3052	337032	5458065	Leached, granular quartz rock with porous patches and vughs. Lightly iron stained.
3053	337028	5458065	Brecciated, strongly leached, white, fine grained quartz with seams of red-brown limonite. Previously sampled by G.Davis.
3054	337022	5458065	Crudely interlayered, silicified ?dolomite and lightly iron stained breccia phases.
3055	336883	5458007	Breccia of angular, dark grey, fine grained quartz fragments in a lightly iron stained, quartz matrix. A few small vughs with dark brown limonite.
3056	336917	5457968	Breccia of angular fragments of fine grained quartz in a moderately iron stained matrix of granular quartz, with patches of red-brown limonite.
3057	336969	5457980	Concretionary goethite/limonite containing small, highly leached, granular quartz fragments.
3058	337059	5458012	Breccia of angular, pale grey, chert fragments in a moderately iron stained, granular quartz matrix.
3059	337057	5457900	Mod. weathered, pale buff, massive, bedded siltstone.
3060	337250	5458285	Moderately iron stained, fine grained quartz rock with numerous cavities lined by white, finely banded silica, then drusy quartz. A few cavities contain red-brown limonite.
3061	337661	5459237	Moderately iron stained (buff), granular quartz rock with patches of cream and clear quartz, and a few goethite/limonite patches.

Sample No	AMG East	AMG North	Description
3062	337661	5459237	Leached, friable, granular quartz with cavities lined by white chalcedony, but containing mostly drusy quartz. Lightly iron stained.
3063	337661	5459237	Pale brownish-cream, fine grained quartz rock with cavities lined by banded, white to dark grey chalcedony, then drusy quartz infillings.
3064	337915	5459493	Inhomogeneous, light brown and grey, leached, vughy quartz with some infills of red-brown limonite.
3065	337970	5459650	Breccia of pale grey to white, fine grained quartz in a brown matrix of granular quartz with a few infills of red-brown limonite.
3066	337415	5459047	Breccia of pale to medium grey, fine grained quartz in a strongly cemented, orange to red, quartz matrix.
3067	337420	5459042	Orange-brown clay with numerous fragments of medium grey chert.
3068	337399	5459020	Breccia of very angular and re-entrant fragments of dark grey chert with 60% matrix of very fine grained, cream ?quartz-sericite. Very low iron.
3069	337426	5459004	
3070	337412	5458986	Soft white clay and quartz sand = ?alter-ation.
3070	337412	5458986	Soft white clay and quartz sand = ?alter-ation.
3071	337429	5458928	Cream clay/quartz alteration. Quarry face shows crude layering in dark grey chert (?after dolomite) that may be bedding. The chert is mottled by, and interlayered with, very fine grained, soft, cream alteration that imparts an overall brecciated character.
3072	337497	5458939	
3073	337413	5458711	Breccia of pale to dark grey, fine grained quartz in a matrix of buff, granular quartz. A few cavities with red-brown limonite.
3074	337547	5458471	Thinly bedded, buff siltstone.
3075	337450	5458540	Black, friable, earthy, ?manganiferous material that occurs as a pocket in other-wise orange-brown, friable, earthy material.
3076	337386	5458586	Breccia of angular, dark to pale grey chert in a very distinctive pink, faintly banded matrix.
3077	336828	5457828	Dark to medium grey, laminated, fine grained quartz with seams of coarser grained, crystalline quartz and lobate patches of white, uniform, fine grained quartz.
3078	336734	5457664	Poorly defined texture consisting of sparse patches of dark grey, fine grained quartz in red stained, hard, granular quartz with scattered, small, drusy quartz cavities and patches of friable limonite and quartz.
3079	336544	5457406	Poorly defined texture of grey to red, granular quartz with scattered, drusy cavities.
3080	336442	5457483	Mostly grey, fine grained quartz fragments in a buff, friable matrix of quartz and minor limonite. Possibly weakly cemented talus.
3081	336369	5457411	Breccia of white, porcelainous quartz fragments in a fine grained matrix of quartz and red-brown limonite. Fragments and matrix cut by irregular, 0.5mm thick veinlets of goethite.
3082	336369	5457411	Rocks surrounding 3081 are predominantly strongly leached, white, fine grained quartz and include breccia textures. A few such as 3082 contain red-brown limonite, but no goethite veinlets.
3083	336339	5457440	A small core of material in otherwise strongly leached, fine grained quartz. The core consists mostly of coarse grained, perfectly cleaved, greyish-white barite together with quartz and red-brown, cellular limonite.
3084	336339	5457440	Nearby 3083 and similar.
3085	336328	5457447	Very nice breccia texture with angular fragments of fine grained, leached, white to medium grey quartz in a rich red-brown matrix of
3086	332767	5452334	
3087	332636	5452173	V. weathered, richly amygdular basalt with pale, crystallised mineral in the amygdules and a fine grained, brown groundmass.
3088	332521	5451907	Fine grained, even grained basalt with weathered seams.

Sample No	AMG East	AMG North	Description
3089	335310	5456040	Float in soil of mod. weathered, poorly sorted, lithic, coarse grained sandstone. Anastomosing shear surfaces with spacing of a few mm.
3090	334975	5455535	
3091	334465	5454555	V. weathered, even grained, very weakly sheared basalt.
3092	334460	5454650	V. weathered, amygdular, weakly sheared basalt. Amygdules contain soft, white mineral.
3093	334510	5454725	Mod. weathered, even grained, fine grained basalt. No shearing recognised.
3094	334510	5454745	Mod. weathered, even grained, fine grained basalt. Fractured, but not sheared.
3095	334495	5454805	V. weathered, richly amygdular basalt. Amygdules contain soft, white mineral.
3095	334495	5454805	V. weathered, richly amygdular basalt. Amygdules contain soft, white mineral.
3096	333368	5453150	From waste rock dump in quarry. Buff to pale grey, fine grained dolomite. Patchy, fracture-related alteration to pink rhodocrosite. Some fractures contain veinlets of rhodocrosite.
3097	333415	5453110	Fine grained, green rock (?dolomitic siltstone) with common veinlets of fine grained, even grained, ferruginous material. Locally sheared.
3098	333815	5453615	Brown, fine grained, massive sandstone with epidote veinlets.
3099	336578	5457794	Breccia of medium to pale grey, very fine grained quartz in a pale pink to orange matrix of granular quartz.
3099	336578	5457794	Breccia of medium to pale grey, very fine grained quartz in a pale pink to orange matrix of granular quartz.
3100	339520	5462035	Brown, concretionary limonite developed in sandy material (?volcaniclastic).
3101	343950	5471510	spring mound pure calcrete
3102	343970	5471660	spring mound limonitic calcrete
3103	344100	5471690	interbanded chert silicified dolomite
3104	344590	5472270	interbanded chert silicified dolomite
3105	344440	5471100	dolomite silicified dolomite micaceous siltstone
3106	343800	5470390	silicified dolomite
3107	343770	5470750	silicified dolomite
3108	343920	5471020	interbanded chert silicified dolomite
3109	342860	5474550	spring mound limonitic calcrete
3110	342110	5473460	silicified dolomite
3110	342110	5473460	silicified dolomite
3111	342660	5474060	spring mound limonitic calcrete
3112	341650	5474260	fine grained quartz phyric mafic volcanic
3113	343370	5474450	spring mound botryoidal limonite
3114	343470	5472540	silicified oolitic dolomite
3115	343310	5472830	spring mound pure calcrete
3116	343360	5472840	spring mound pure calcrete
3117	343360	5472840	peat – lignite
3118	343140	5471860	spring mound pure calcrete
3119	343000	5473140	spring mound pure calcrete
3120	343060	5473020	spring mound pure calcrete
3121	343060	5473020	peat – lignite

Sample No	AMG East	AMG North	Description
3122	343440	5472930	spring mound pure calcrete
3123	344350	5472950	banded chert silicified dolomite
3124	344450	5473600	banded chert silicified dolomite
3125	343600	5474250	banded chert silicified dolomite
3126	343900	5473300	banded chert silicified dolomite
3127	343550	5471790	silicified oolitic dolomite
3128	342780	5471890	laminated siltstone mudstone
3129	342450	5473040	siltstone volcanoclastic sandstone
3130	342650	5475650	spring mound pure silica
3131	339643	5475451	clean crystalline dolomite
3132	339569	5475490	clean crystalline dolomite
3133	339527	5475650	clean crystalline dolomite
3134	339492	5475649	clean crystalline dolomite
3135	342898	5474368	spring mound limonite calcrete
3135	342898	5474368	spring mound limonite calcrete
3136	342712	5474434	spring mound limonite calcrete
3137	341457	5474357	basalt
3138	341457	5474357	basalt
3139	340909	5470086	banded mottled ironstone on polymict sandstone
3140	341014	5470428	banded mottled ironstone on polymict sandstone
3141	341029	5470500	banded mottled ironstone on polymict sandstone
3142	341493	5473251	banded mottled ironstone on polymict sandstone
3143	341251	5473218	polymict volcanoclastic sandstone
3144	341208	5472993	fresh crystalline limestone dolomite
3145	341203	5473012	fresh crystalline limestone dolomite
3146	341151	5472824	fresh crystalline limestone dolomite
3147	341055	5472689	partly weathered dolomite
3148	341166	5472641	mottled pitted botryoidal ironstone
3149	341166	5472641	brecciated dolomite
3150	341431	5471627	banded mottled ironstone on polymict sandstone
3151	341104	5471902	fresh finely bedded dolomite
3152	341104	5471902	banded mottled ironstone
3153	341147	5472113	slightly weathered calc dolomite
3154	341206	5472071	fresh limestone calc dolomite
3155	341388	5472113	fine volcanoclastic sandstone
3156	341200	5472500	banded mottled ironstone on polymict sandstone
3157	341269	5472419	fresh dolomitic limestone
3158	341645	5472389	banded mottled ironstone on polymict sandstone
3159	341080	5473086	fresh banded dolomite

Sample No	AMG East	AMG North	Description
3160	341080	5473086	fresh banded dolomite
3160	341080	5473086	fresh banded dolomite
3161	341080	5473086	fresh banded dolomite
3162	341080	5473086	fresh banded dolomite
3163	340614	5468111	composite of nodular calcrete soil fragments
3164	340649	5468078	composite of nodular calcrete soil fragments
3165	341392	5470713	volcaniclastic sandstone
3166	341151	5470622	banded mottled ironstone on polymict sandstone
3167	341158	5470846	banded mottled ironstone on polymict sandstone
3168	341151	5470962	banded mottled ironstone on polymict sandstone
3169	341210	5471158	banded mottled ironstone on polymict sandstone
3170	341223	5471197	volcaniclastic wacke siltstone fault zone quartz
3171	341352	5471365	banded mottled ironstone on polymict sandstone
3172	343770	5473500	silicified oolitic banded dolomite
3173	343890	5472136	silicified dolomite
3174	344504	5471742	ferricrete agglomerate
3175	344431	5471732	ferricrete agglomerate
3176	344987	5471773	silicified dolomite
3177	344356	5471166	fresh calc dolomite
3178	344356	5471166	chalcedony
3179	344050	5471398	silicified dolomite
3180	343438	5470779	weathered siltstone
3181	343014	5471276	siltstone/black shale
3182	342907	5470552	ferricrete agglomerate
3183	342847	5471105	orthoquartzite
3184	342164	5471494	volcaniclastic wacke
3185	341228	5469831	volcaniclastic wacke
3186	340388	5469608	mottled brecciated siltstone
3187	340649	5468993	banded mottled ironstone on polymict sandstone
3188	344410	5470463	silicified dolomite
3189	341810	5469955	pumice breccia
3189	341810	5469955	pumice breccia
3190	341024	5468549	vein quartz in volcaniclastics
3191	341008	5468545	volcaniclastic sandstone
3192	343309	5468946	silicified dolomite
3193	343761	5468396	silicified dolomite
3194	341836	5467676	ironstone
3195	341844	5467666	ironstone
3196	341844	5467666	ironstone

Sample No	AMG East	AMG North	Description
3197	341580	5467541	spring mound limonite calcrete
3198	341588	5467593	spring mound limonite calcrete
3199	341571	5467637	spring mound limonite calcrete
3200	341399	5467543	spring mound bioclast limestone
3201	341392	5467562	spring mound bioclast limestone
3202	341417	5467599	spring mound limonite calcrete
3203	341399	5467543	spring mound bioclast limestone
3204	341474	5467337	shelly loam
3205	341518	5467257	shelly loam
3206	341590	5467311	ironstone breccia
3207	341860	5466727	chert siltstone breccia
3208	344300	5479100	spring mound silica breccia
3301	332320	5448375	Fine grained, even grained, massive grey basalt.
3302	339210	5461465	Breccia of cream to light buff fragments of soft, friable, fine grained quartz and clay in a fine grained matrix of quartz and red-brown limonite.
3303	339210	5461465	Medium grey, granular silica with fractures and cavities lined by limonite.
3304	332325	5448335	Grey, even grained basalt.
3305	340700	5462850	
3306	340725	5462850	V. weathered, pale grey siltstone with numerous fractures coated by limonite and ?manganiferous mineral.
3307	337078	5457885	Mod. weathered, thin bedded, dark to pale grey siltstone.
3308	337099	5457870	V. weathered, pale buff, fine grained, lithic sandstone with limonite on fractures.
3309	337120	5457855	V. weathered, cream to buff, fine grained, lithic sandstone with ?manganiferous mineral on fractures.
3310	337141	5457840	V. weathered, reddish buff, limonitic rock after lithic sandstone or basalt.
3310	337141	5457840	V. weathered, reddish buff, limonitic rock after lithic sandstone or basalt.
3311	337160	5457825	V. weathered, pale buff, fine grained, lithic sandstone with strong limonite on fractures.
3312	333000	5448850	Porphyritic basalt with feldspar and ferromagnesian phenocrysts up to 10mm. Sulphide up to 5% in patches. Medium green and cream, finely mottled colours may indicate patchy alteration.
3313	333104	5448693	Medium grey, open framework, granule to pebble conglomerate. Dolomitic matrix and clasts. Clasts well rounded. Minor sulphide disseminated, on fractures, and replacing some clasts.
3314	333088	5448651	Fine grained, even grained, medium grey-green rock (?basalt) with patches of disseminated native copper.
3315	333367	5449300	Fine grained, moderately porphyritic basalt
3316	332774	5449452	Mod. weathered, fine grained, even grained basalt.
3317	332636	5449520	Mod. weathered, very fine grained, pink and green altered material with epidote. In contact with weathered basalt.
3318	340899	5462351	V. weathered, amygdular basalt. Soft, white, crystallised mineral in amygdules. Groundmass distinctively dark brown and fine grained.
3319	340870	5462478	Fine grained, even grained basalt with sparse, tiny specks of native copper, some specks altered to malachite at their margins. Clusters of very fine, needle-like crystals of a red mineral on some fracture surfaces.
3320	340703	5462608	V. weathered basalt consisting of pinkish-orange, friable clay with numerous, irregular, black-coated fractures.
3321	340570	5462752	Mod. weathered, massive, fractured siltstone.

Sample No	AMG East	AMG North	Description
3322	343737	5461359	?Lightly indurated talus. Angular blocks of silicified dolomite in a sandy, limonitic matrix.
3323	343740	5461330	Dark grey chert with small, limonitic cavities in a thin bedded (flaggy) succession of silicified dolomite.
3324	344383	5461386	Small quarry in well bedded, silicified, laminated and oolitic dolomite. Layering disrupted along fractures in some loose blocks, with limonite in the fractures.
3325	344478	5461295	Coarse breccia with angular fragments of leached, friable, silicified material in brown, limonitic matrix.
3326	337728	5459500	Breccia with fine grained quartz fragments and granular quartz fragments in a dark brown, ferruginous matrix that contains a few, small, limonite-lined cavities.
3327	337875	5459890	Orange clay soil with abundant, small, angular fragments of fine grained quartz.
3328	337875	5459890	Breccia with fine grained, quartz fragments in a dark brown, limonitic matrix.
3329	338452	5460812	Reddish clay soil - possibly after red-brown siltstone.
3330	338742	5460831	Breccia with angular fragments of very fine grained quartz and granular quartz in a lightly iron stained, siliceous matrix.
3331	338925	5461118	?Breccia. Small, very angular, dark grey to pale grey fragments of fine grained quartz in an uncemented matrix of clay and sand. Could be talus.
3332	339005	5461285	
3333	339443	5461948	
3334	338090	5458850	Black, carbonaceous siltstone with thin interlayers of pale grey siltstone. Pyrite (syngenetic) common - disseminated and in thin laminae parallel to bedding.
3335	338225	5458850	Dark grey, carbonaceous siltstone with abundant syngenetic pyrite - disseminated and as common, thin laminae parallel to bedding.
3335	338225	5458850	Dark grey, carbonaceous siltstone with abundant syngenetic pyrite - disseminated and as common, thin laminae parallel to bedding.
3336	336840	5458125	From 2m below original surface in shallow gravel quarry in in situ disrupted grey chert and weathered materials. Consists of orange, clayey sand with small, angular fragments of grey chert.
3337	336840	5458135	Same quarry as 3336, similar depth. Orange-brown, clayey sand containing highly fractured grey chert in which there are thin veinlets of granular quartz and leached, drusy cavities.
3338	338980	5461243	At bottom of 2m cutting. Mixture of orange clay, red-brown clay, and small angular chert and quartz fragments. At boundary of sheared red-brown siltstone with fragmental chert and sand.
3339	341210	5463757	
3340	339754	5462322	Block excavated from dam. Very fine grained, pale buff chalcedonic quartz with leached fractures and patches of soft, friable material.
3341	339759	5462145	Isolated fragment of breccia in soil. Angular fragments of very fine grained, cream quartz and granular, medium grey quartz in a brown, limonitic matrix.
3342	339576	5461985	Mod. weathered, mottled, cream to maroon, fractured, fine grained, lithic sandstone. Possibly altered.
3343	338410	5460760	Concretionary goethite/limonite in orange, clay soil.
3344	337620	5459140	Medium grey jasperoid from 6 cm wide, sub-vertical seam in white, v. leached secondary quartz. scattered small vughs and pale buff, limonitic patches.
3345	337620	5459140	White, soft, friable, fine-grained, secondary quartzose material around pale, granular, secondary quartz.
3346	352738	5480111	DDH Forest No.1, 1041 m. Crumbly carbonaceous siltstone.
3347	352738	5480111	DDH Forest No.1, 1059 m. Cleaved, medium grey carbonate with black shaly seams defining cleavage.

Sample No	AMG East	AMG North	Description
3348	352738	5480111	DDH Forest No.1, 1071.6 m. Relatively massive, dark grey carbonate with irregular fractures that commonly contain white carbonate veins.
3349	346045	5478030	DDH Deep Creek No.1, 376.27 m - 376.67 m. Fractured, fine-grained, dark grey carbonate with white, crystalline quartz veins. No sulphide apparent.
3350	346045	5478030	DDH Deep Creek No.1, 405.27 m - 405.47 m. Dark grey, fine grained, silicified, massive, fractured ?dolomite with a 15 mm wide, white crystalline quartz vein. No sulphide apparent.
3351	346045	5478030	DDH Deep Creek No.1, 379.27 m. Pale to medium grey, massive, hard, silicified rock. Fractured, but little veining.
3352	346045	5478030	DDH Deep Creek No.1, 463.27 m - 472.27, composite of four pieces. More intensely fractured zone with pale alteration along the fractures. Several bands of massive pyrite up to 15 mm wide.
3353	338798	5461805	Dark grey, broken chert.
3354	338755	5460692	Fragments of concretionary limonite / goethite occurring in an orange clay matrix.
3355	338334	5460103	Mod. weathered, olive to orange, bedded lithic sandstone occurring in a matrix of red-brown friable clay soil.
3356	337260	5459451	Blocks on surface - probable nearby source. Cream, granular, secondary quartz with scattered small vughs and pale buff, limonitic patches.
3357	336072	5457452	Surface lag. Fine-grained, medium olve silicified ?sandstone with limonitic patches and vughy fractures.

**Morrith Holdings Pty Ltd
Roger River Project
EIs 11/97, 12/97, 13/97, 14/97, 61/94 & 17/01
Combined annual report to
18.12.02**

Appendix 3

SOIL DATA

Part I: Assay data

Samples were collected from approximately 1 m depth, using a power auger. The samples were dried and pulverised at Analabs' Cooee laboratory. They were analysed at Genalysis' Gosnells laboratory using aqua regia digest, solvent extraction with carbon furnace AAS for Au (DL1 ppb) and flame AAS for various combinations of Ag (0.1ppm), Sb (2 ppm), As (10 ppm), Tl (2 ppm), Cu (1 ppm), Pb (1ppm), Zn (1 ppm).

Part 2: Sample descriptions

Appendix 3, Part 1

GREENSTONE RESOURCES

SOIL ASSAY RESULTS

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
4001	332700	5451800	4		<0.1	<10	323	3	108	<2	<2
4002	332675	5451800	3		<0.1	<10	331	2	107	<2	<2
4003	332650	5451800	3		<0.1	<10	247	3	99	<2	<2
4004	332625	5451800	1		<0.1	<10	182	3	94	<2	<2
4005	332600	5451800	1		<0.1	<10	25	3	172	<2	<2
4006	332575	5451800	<1		<0.1	<10	148	6	99	<2	<2
4007	332550	5451800	4		<0.1	<10	501	3	92	<2	<2
4008	332525	5451800	3		<0.1	<10	235	6	73	<2	<2
4009	332500	5451800	2		<0.1	<10	91	6	82	<2	<2
4010	332475	5451800	<1		<0.1	<10	112	9	286	<2	<2
4010	332475	5451800	<1		<0.1	<10	100	9	258	<2	<2
4011	332450	5451800	<1		<0.1	<10	40	8	37	<2	<2
4012	332425	5451800	<1		<0.1	<10	17	6	37	<2	<2
4013	332400	5451800	<1		<0.1	<10	38	6	58	<2	<2
4014	332375	5451800	2		<0.1	<10	66	6	83	<2	<2
4015	332350	5451800	2		<0.1	<10	77	7	88	<2	<2
4016	332325	5451800	3		<0.1	<10	128	6	164	<2	<2
4017	332300	5451800	4		<0.1	<10	203	4	71	<2	<2
4018	332275	5451800	3		<0.1	<10	130	5	108	<2	<2
4019	332250	5451800	3		<0.1	<10	156	6	146	<2	<2
4020	332225	5451800	2		<0.1	<10	81	4	38	<2	<2
4021	332200	5451800	2		<0.1	<10	110	6	45	<2	<2
4022	332175	5451800	2		<0.1	<10	121	5	39	<2	<2
4023	332150	5451800	2		<0.1	<10	126	5	42	<2	<2
4024	332125	5451800	3		<0.1	<10	211	2	51	<2	<2
4025	332100	5451800	3		<0.1	<10	130	3	38	<2	<2
4026	337208	5458308	6	6	<0.1	33	64	18	14	<2	<2
4027	337188	5458323	<1		<0.1	<10	3	3	5	<2	<2
4028	337174	5458339	<1		0.1	21	18	44	135	6	<2
4029	337145	5458343	<1		<0.1	<10	3	1	5	<2	<2

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
4030	337118	5458336	<1		<0.1	<10	3	<1	7	<2	<2
4031	337094	5458355	<1		<0.1	<10	3	<1	4	<2	<2
4032	337068	5458347	<1		<0.1	<10	3	1	5	<2	<2
4033	337044	5458338	<1		<0.1	<10	4	1	6	<2	<2
4034	337032	5458310	<1		<0.1	<10	3	1	4	<2	<2
4035	337000	5458315	<1		0.1	<10	2	1	4	<2	<2
4035	337000	5458315	<1		<0.1	<10	2	<1	4	<2	<2
4036	336978	5458302	<1		<0.1	<10	2	<1	2	<2	<2
4037	336953	5458297	<1		<0.1	55	22	30	85	13	<2
4038	336926	5458308	<1		<0.1	<10	62	12	241	3	<2
4039	336902	5458299	<1		<0.1	<10	31	7	69	<2	<2
4040	336877	5458298	<1		<0.1	<10	19	7	47	<2	<2
4041	337223	5458281	<1		<0.1	<10	5	1	7	<2	<2
4042	337241	5458265	2		<0.1	<10	32	10	24	<2	<2
4043	337258	5458248	1		<0.1	<10	105	8	66	<2	<2
4044	337277	5458229	1		<0.1	<10	145	5	84	<2	<2
4045	341446	5471403	<1		0.1	19	78	14	51	<2	<2
4046	341436	5471405	<1		<0.1	<10	19	4	26	<2	<2
4047	341427	5471408	<1		<0.1	<10	15	4	22	<2	<2
4048	341417	5471410	<1		<0.1	<10	71	9	98	<2	<2
4049	341408	5471413	1		<0.1	<10	30	7	39	<2	<2
4050	341398	5471417	<1		<0.1	12	10	7	19	<2	<2
4051	341380	5471422	<1		0.1	36	27	14	48	<2	<2
4052	341360	5471428	<1		0.1	27	68	17	54	<2	<2
4053	341340	5471434	<1		0.1	17	127	13	95	<2	<2
4054	341322	5471439	<1		<0.1	<10	55	10	75	<2	<2
4055	341303	5471445	<1		<0.1	<10	43	7	64	<2	<2
4056	341280	5471450	<1		0.1	14	39	8	42	<2	<2
4057	341262	5471456	1		<0.1	<10	49	5	55	<2	<2
4058	341243	5471463	1		<0.1	<10	48	8	50	<2	<2
4059	341206	5471475	<1		<0.1	<10	29	7	55	<2	<2
4060	341177	5471488	<1		<0.1	<10	13	4	32	<2	<2
4060	341177	5471488	<1		<0.1	<10	14	4	33	<2	<2
4154	339503	5462149	<1			13			26	<2	
4155	339556	5462148	<1			12			35	<2	
4156	339600	5462148	<1			<10			37	<2	

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm						
Detection			1	1	0.1	10	1	1	1	2	2
4157	339656	5462150	<1			20			32	<2	
4158	339700	5462151	<1			19			24	<2	
4159	339757	5462151	1			29			39	<2	
4160	339809	5462150	1			14			38	<2	
4161	339862	5462151	1			10			78	<2	
4162	339915	5462153	2			<10			47	<2	
4163	339944	5462149	1			<10			36	<2	
4163	339944	5462149	1			<10			35	<2	
4164	339460	5462153	1			11			28	<2	
4165	339218	5461797	<1			15			20	<2	
4166	339157	5461805	<1			17			16	<2	
4167	339104	5461810	<1			13			23	<2	
4168	338999	5461807	1			12			54	<2	
4169	338899	5461806	1			10			68	<2	
4170	338798	5461805	1			<10			71	<2	
4171	338697	5461812	1			<10			45	<2	
4172	338596	5461814	<1			<10			14	<2	
4173	339266	5461800	<1			12			20	<2	
4174	339316	5461802	<1			42			28	<2	
4175	339365	5461800	<1			58			27	<2	
4176	339416	5461798	1			15			43	<2	
4177	339464	5461797	<1			10			28	<2	
4178	339515	5461797	<1			55			36	<2	
4179	339565	5461798	<1			<10			34	<2	
4180	339615	5461800	<1			12			31	<2	
4181	339116	5461471	1			<10			56	<2	
4182	339160	5461471	1			<10			140	<2	
4183	339217	5461476	<1	<1		111			165	12	
4184	339264	5461468	<1			<10			34	<2	
4185	339313	5461469	<1			<10			22	<2	
4186	339067	5461472	<1			<10			38	<2	
4187	339019	5461471	<1			<10			29	<2	
4188	338968	5461470	<1			<10			23	<2	
4189	338921	5461473	<1			<10			25	<2	
4190	338868	5461473	<1			<10			101	<2	
4191	338818	5461472	<1			<10			224	<2	

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm						
Detection			1	1	0.1	10	1	1	1	2	2
4192	338616	5460948	<1			<10			193	<2	
4193	338667	5460945	<1			<10			368	<2	
4194	338718	5460944	<1			<10			174	<2	
4195	338768	5460946	<1			<10			155	<2	
4196	338814	5460953	<1			<10			176	<2	
4197	338850	5460944	<1			<10			100	<2	
4198	338909	5460949	3			28			107	<2	
4199	338951	5460937	<1			18			241	<2	
4200	338569	5460953	<1			<10			193	<2	
4201	338518	5460953	1			<10			101	<2	
4202	338467	5460954	<1			<10			37	<2	
4203	338365	5460953	<1			12			56	2	
4204	338265	5460949	<1			<10			35	<2	
4205	338165	5460951	<1			<10			31	<2	
4206	338066	5460954	1			<10			26	<2	
4207	338369	5460681	1			12			26	<2	
4208	338419	5460683	1			15			19	<2	
4209	338469	5460683	<1			12			11	<2	
4210	338519	5460684	<1			14			15	<2	
4211	338574	5460678	<1			26			32	<2	
4212	338619	5460678	1	<1		50			34	<2	
4213	338670	5460681	1			24			18	<2	
4214	338719	5460682	<1			29			41	3	
4215	338763	5460688	2			17			36	<2	
4216	338816	5460686	<1			<10			42	<2	
4217	338861	5460680	<1			<10			57	<2	
4218	338043	5460094	<1			<10			30	<2	
4219	338136	5460099	<1			<10			128	<2	
4220	338235	5460101	1			<10			39	<2	
4221	338334	5460103	<1			<10			84	<2	
4222	338428	5460101	<1			<10			45	<2	
4223	338527	5460103	1			<10			34	<2	
4224	338628	5460100	<1			<10			29	<2	
4225	338728	5460109	<1			20			32	<2	
4226	338826	5460103	<1			<10			36	<2	
4227	337934	5460099	<1			43			27	<2	

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm						
Detection			1	1	0.1	10	1	1	1	2	2
4228	337835	5460100	<1			<10			29	<2	
4229	337734	5460100	<1			<10			22	<2	
4230	337634	5460099	<1			<10			43	<2	
4231	337535	5460099	<1			16			26	<2	
4232	337424	5460097	<1			<10			30	<2	
4233	337592	5459448	1			<10			98	<2	
4234	337642	5459448	2			<10			63	<2	
4235	337694	5459447	2			<10			130	<2	
4236	337744	5459448	1	2		<10			205	<2	
4237	337795	5459449	2			<10			87	<2	
4238	337843	5459450	2			<10			81	<2	
4239	337896	5459450	<1			<10			52	<2	
4240	337948	5459455	<1			<10			95	<2	
4241	337994	5459448	<1			<10			119	<2	
4242	337545	5459445	<1			<10			37	<2	
4243	337496	5459445	<1			<10			33	<2	
4244	337445	5459443	1			<10			34	<2	
4245	337345	5459442	<1			<10			32	<2	
4246	337241	5459437	1			<10			71	<2	
4247	337147	5459444	<1			<10			60	<2	
4248	337051	5459444	2			<10			85	<2	
4249	337851	5459843	7	6		<10			41	<2	
4250	337905	5459839	1			<10			46	<2	
4251	337953	5459831	<1			<10			25	<2	
4252	337990	5459842	2			21			51	<2	
4253	338036	5459843	4	4		<10			28	<2	
4254	337804	5459845	<1			14			19	<2	
4255	337754	5459840	2			<10			30	<2	
4256	337701	5459837	<1			<10			16	<2	
4257	337651	5459841	<1			13			31	<2	
4258	337599	5459841	<1			14			37	<2	
4259	337550	5459837	1			19			32	<2	
4260	337560	5459050	1			24			33	<2	
4261	337618	5459054	2			22			35	<2	
4262	337657	5459067	3			35			71	<2	
4263	337706	5459069	<1			19			34	<2	

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm						
Detection			1	1	0.1	10	1	1	1	2	2
4264	337760	5459065	<1			<10			24	<2	
4265	337507	5459055	<1			<10			10	<2	
4266	337459	5459050	<1			<10			5	<2	
4267	337407	5459051	<1	<1		52			25	<2	
4268	337357	5459051	2	1		<10			35	<2	
4269	337307	5459050	1			<10			56	<2	
4270	337257	5459049	2			<10			61	<2	
4271	337434	5458748	1			18			19	<2	
4272	337489	5458750	3	2		18			47	<2	
4273	337520	5458742	1			<10			51	<2	
4274	337574	5458752	2			<10			77	<2	
4274	337574	5458752	1			<10			77	<2	
4275	337384	5458748	2			<10			36	<2	
4276	337333	5458748	1			<10			51	<2	
4277	337284	5458749	2			<10			50	<2	
4278	337234	5458748	1			<10			52	<2	
4279	337183	5458749	<1			<10			55	<2	
4280	337134	5458749	<1			<10			57	<2	
4281	337083	5458750	1			<10			55	<2	
4282	336980	5458747	1			<10			54	<2	
4283	336888	5458747	1			<10			51	<2	
4284	336772	5458285	2			<10			37	<2	
4285	336672	5458287	<1			<10			34	<2	
4286	336576	5458294	1			<10			43	<2	
4287	336475	5458304	<1			<10			38	<2	
4288	336569	5457849	<1			<10			24	<2	
4289	336525	5457866	2			<10			57	<2	
4290	336479	5457887	<1			<10			35	<2	
4291	336434	5457908	<1			15			18	<2	
4292	336389	5457930	<1			<10			25	<2	
4293	336298	5457970	<1			<10			27	<2	
4294	336204	5458013	<1			<10			22	<2	
4295	336112	5458057	1			<10			19	<2	
4296	335833	5457035	2			<10			60	<2	
4297	335735	5457032	2			<10			58	<2	
4298	335636	5457034	2	2		<10			76	<2	

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm						
Detection			1	1	0.1	10	1	1	1	2	2
4299	335534	5457034	1			<10			96	<2	
4300	335436	5457031	2			<10			62	<2	
4301	335336	5457030	1			<10			121	<2	
4302	335886	5457032	1	1		<10			88	<2	
4303	335937	5457032	2			<10			68	<2	
4304	335987	5457032	<1			<10			38	<2	
4305	336037	5457031	1			<10			58	<2	
4305	336037	5457031	1			<10			57	<2	
4306	336084	5457032	1			<10			59	<2	
4307	336133	5457034	<1			<10			85	<2	
4308	336176	5457028	<1			<10			101	<2	
4309	336228	5457031	<1			<10			177	<2	
4310	336273	5457036	5	4		40			142	<2	
4311	336622	5457840	<1	<1		88			87	3	
4312	336670	5457839	1			21			63	<2	
4313	336722	5457833	<1			<10			55	<2	
4314	336769	5457836	<1			<10			88	<2	
4315	336816	5457830	<1			<10			56	<2	
4316	336863	5457821	<1			<10			33	<2	
4317	336912	5457840	2	2		14			20	<2	
4318	336968	5457827	<1			<10			11	<2	
4319	337012	5457831	1			14			36	<2	
4320	336177	5457456	<1			<10			15	<2	
4321	336126	5457455	<1			<10			14	<2	
4322	336072	5457452	<1			<10			28	<2	
4323	336226	5457454	2			23			13	<2	
4324	336278	5457453	<1			<10			4	<2	
4325	336316	5457451	1	1		40			8	3	
4326	336377	5457446	<1			<10			2	<2	
4327	336421	5457451	<1			<10			2	<2	
4328	336470	5457451	<1			<10			2	<2	
4329	336525	5457446	<1			<10			5	<2	
4330	336562	5457447				<10			6	<2	
4331	336612	5457463	1	<1		14			10	<2	
4332	336661	5457447	<1			<10			18	<2	
4332	336661	5457447	<1			<10			19	<2	

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection			1	1	0.1	10	1	1	1	2	2
4333	336009	5457429	<1			<10			17	<2	
4334	335916	5457465	<1			<10			18	<2	
4335	335822	5457499	<1			<10			21	<2	
4336	335730	5457535	<1			<10			25	<2	
4337	335836	5457034	1			<10			53	<2	
4338	336176	5457450	<1			<10			19	<2	
4339	336572	5457846	1			<10			29	<2	
4340	337208	5458286	5	5		23			14	<2	
4341	337438	5458747	<1			<10			12	<2	
4342	337557	5459051	1			16			14	<2	
4343	337598	5459450	1			<10			45	<2	
4344	337858	5459859	<1			11			24	<2	
4345	338042	5460104	1			<10			33	<2	
4346	338373	5460681	1			12			20	<2	
4347	338618	5460950	1			<10			47	<2	
4348	339125	5461480	2	1		12			59	<2	
4349	339218	5461794	<1			<10			19	<2	
4350	339759	5462152	<1			13			26	<2	
4351	338316	5460678	1			<10			13	<2	
4352	338265	5460680	1			10			15	<2	
4353	338214	5460681	1			<10			17	<2	
4354	338164	5460681	1			<10			15	<2	
4355	338115	5460680	1			11			35	2	
4356	338015	5460680	1			<10			21	<2	
4357	337914	5460681	1			<10			14	<2	
4358	337813	5460677	1			<10			10	<2	
4004a	332625	5451800			0.03	0.7					
4004b	332625	5451800			<0.1	4					
4006a	332575	5451800			<0.01	1.8					
4006b	332575	5451800			0.1	7					
4008a	332525	5451800			<0.01	0.7					
4008b	332525	5451800			0.1	6					
4010a	332475	5451800			<0.01	2.7					
4010b	332475	5451800			0.1	16					
4012a	332425	5451800			<0.01	<0.5					
4012b	332425	5451800			<0.1	<1					

Sample No	AMG East	AMG North	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units			ppb	ppb	ppm						
Detection			1	1	0.1	10	1	1	1	2	2
4014a	332375	5451800			<0.01	0.8					
4014b	332375	5451800			<0.1	3					
4016a	332325	5451800			<0.01	0.7					
4016b	332325	5451800			<0.1	6					

Appendix 3, Part 2

GREENSTONE RESOURCES

SOIL SAMPLE DESCRIPTIONS

Sample Number	AMG East	AMG North	Description
4001	332700	5451800	Friable, orange-brown, clay soil with sparse, small, friable, limonite fragments.
4002	332675	5451800	Friable, orange, clay soil with small fragments of v. weathered, limonitic, lithic sandstone.
4003	332650	5451800	Friable, orange, clay soil with fragments of v. weathered, moderately limonitic, coarse grained, lithic sandstone containing limonite coated fractures.
4004	332625	5451800	Friable, orange, clay soil with fragments of v. weathered, lightly limonitic, coarse grained sandstone.
4005	332600	5451800	Friable, brown, clay soil with abundant fragments of lightly weathered, olive, medium grained sandstone. Soil is orange in patches with more weathered sandstone.
4006	332575	5451800	Friable, dark brown, clay soil with common fragments of brown siltstone containing thin beds of medium grained, lithic sandstone.
4007	332550	5451800	Friable, orange-brown, clay soil with talus of unweathered basalt at the surface.
4008	332525	5451800	Friable, orange, clay soil with intermixed fragments of unweathered basalt.
4009	332500	5451800	Friable, orange, clay soil with intermixed fragments of unweathered basalt.
4010	332475	5451800	Marked change in soil character from friable clay to heavy, plastic clay. Very plastic, medium brown to grey (blue) clay with a few, small, angular fragments of cream, sandy, friable, siliceous rock. One small fragment of white, agaty quartz encrusted with limonite.
4011	332450	5451800	From 1m down the wall of a 1.5m deep drain cut entirely in clay. Yellowish, plastic clay with no rock fragments.
4012	332425	5451800	Yellowish to pale brown, plastic clay with two tiny fragments of cream, friable, weathered rock (?after dolomite).
4013	332400	5451800	Medium brown, plastic clay with sparse, tiny fragments of cream, friable, weathered rock (?after dolomite).
4014	332375	5451800	Plastic clay.
4015	332350	5451800	Orange-brown, plastic clay.
4016	332325	5451800	Buff, plastic clay.
4017	332300	5451800	Orange-brown, plastic clay with a few tiny, angular fragments of v. weathered, coarse grained, sandy textured, limonitic rock containing fractures with ?manganiferous coatings. One fragment of vein quartz.
4018	332275	5451800	Orange-brown, plastic clay.
4019	332250	5451800	Orange-brown clay. Less plastic, more friable.
4020	332225	5451800	Orange, plastic clay.
4021	332200	5451800	Buff, plastic clay with a few, small, angular fragments of harder, but friable clay. Top 0.1m in hole is reddish-brown, friable clay.
4022	332175	5451800	Buff, plastic clay with small, reddish-brown, limonitic patches that are slightly harder.
4023	332150	5451800	Orange, plastic clay with charcoal fragment at 0.6m. Sparse, small patches of friable, sandy-textured, red-brown limonite. Lag of small, rounded pebbles of v. weathered basalt or lithic sandstone on surface near hole, but none recognised in hole.
4024	332125	5451800	Reddish brown, less plastic, more friable, clay soil with one angular fragment of medium grained, sandy textured, friable quartz containing lenticular limonitic patches.
4025	332100	5451800	Orange-brown, less plastic, more friable, clay soil with rare, small fragments of granular quartz.
4026	332208	5458308	Approx. depth of 0.7m. Very inhomogeneous, grey, white, red and orange, friable and plastic, sandy, clay soil with fragments of granular quartz.

Sample Number	AMG East	AMG North	Description
4027	337188	5458323	Approx. depth 0.3m. Pale brownish grey, sandy soil with fragments of granular quartz.
4028	337174	5458339	Approx. depth 0.7m. Buff clay and minor white clay.
4029	337145	5458343	Approx. depth 0.5m. Pale grey, sandy soil with fragments of pink and cream, granular quartz.
4030	337118	5458336	Approx. depth 0.7m. As for 4029.
4031	337094	5458355	Approx. depth 0.4m. Pale grey, sandy soil.
4032	337068	5458347	Approx. depth 0.4m. Pale grey, sandy soil with substantial clay.
4033	337044	5458338	Approx. depth 0.3m. Pale grey sandy soil.
4034	337032	5458310	Approx. depth 0.3m. Pale grey, sandy soil.
4035	337000	5458315	Approx. depth 0.3m. Pale grey, sandy soil.
4036	336978	5458302	Approx. depth 0.5m. Pale grey, sandy soil.
4037	336953	5458297	Approx. depth 0.4m. Orange, friable clay with small fragments of lightly limonitic, granular quartz and vein quartz.
4038	336926	5458308	Approx. depth 0.7m. Heavy, dark grey, plastic clay with a few tiny fragments of white, granular quartz.
4039	336902	5458299	Approx. depth 0.6m. Heavy, pale brownish grey clay with a few tiny fragments of ?vein quartz.
4040	336877	5458298	Approx. depth 0.4m. Heavy, medium brownish grey clay.
4041	337223	5458281	Approx. depth 0.3m. Pale grey, sandy soil with a few fragments of pale, granular quartz.
4042	337241	5458265	Approx. depth 0.6m. Orange clay.
4043	337258	5458248	Approx. depth 1.0m. Wet orange clay.
4044	337277	5458229	Approx. depth 0.5m in old track cutting. Orange-brown clay soil with fragments of very weathered, lithic sandstone.
4045	341446	5471403	brown clay soil, pisolitic grit
4046	341436	5471405	yellow brown light soil, pisolitic grit
4047	341427	5471408	yellow brown light soil, pisolitic grit
4048	341417	5471410	yellow brown light soil, pisolitic grit
4049	341408	5471413	grey brown sandy light soil, pisolitic grit
4050	341398	5471417	yellow brown clay soil, pisolitic grit
4051	341380	5471422	brown clay soil, pisolitic grit
4052	341360	5471428	dark brown clay soil, pisolitic grit
4053	341340	5471434	yellow brown clay soil, siltstone chips
4054	341322	5471439	dark brown clay soil, basalt chips
4055	341303	5471445	dark brown clay soil, volc sst chips
4056	341280	5471450	dark brown clay soil, siltstone chips
4057	341262	5471456	light brown clay soil, siltstone chips
4058	341243	5471463	light brown clay soil, siltstone chips
4059	341206	5471475	light brown clay soil, siltstone chips
4060	341177	5471488	yellow brown clay soil, siltstone chips
4154	339503	5462149	Orange plastic clay soil with common tiny fragments of limonite/goethite.
4155	339556	5462148	Orange plastic clay soil with common limonite/goethite fragments up to 5 mm.
4156	339600	5462148	Orange plastic clay soil with common small limonite/goethite fragments. Concretionary limonite/goethite up to 5 cm as lag on surface.
4157	339656	5462150	Mix of orange and medium brown plastic clay soil with common limonite/goethite fragments.

Sample Number	AMG East	AMG North	Description
4158	339700	5462151	Orange friable clay soil with common limonite/goethite fragments up to 15 mm.
4159	339757	5462151	Brown friable clay soil with common angular fragments of reddish-brown limonite.
4160	339809	5462150	Buff friable clay soil with abundant fragments of very weathered buff siltstone.
4161	339862	5462151	Orange and buff friable clay soil with fragments of v. weathered buff siltstone and minor small limonite/goethite.
4162	339915	5462153	Reddish-orange friable clay soil.
4163	339944	5462149	Orange and reddish friable clay soil with common fragments of v. weathered buff to reddish siltstone.
4164	339460	5462153	Orange plastic clay soil with small fragments of concretionary limonite/goethite.
4165	339218	5461797	Brownish-orange plastic clay soil with common fragments of limonite/goethite to 3 mm.
4166	339157	5461805	Medium brown plastic clay soil with sparse, v. small limonite/goethite fragments.
4167	339104	5461810	Brown and orange plastic clay soil with common tiny fragments of limonite/goethite.
4168	338999	5461807	Very uniform medium brown plastic clay soil.
4169	338899	5461806	Uniform medium brown plastic clay soil with tiny black grains, also sparse quartz granules.
4170	338798	5461805	Medium brown plastic clay soil with abundant fragments of dark grey chert.
4171	338697	5461812	Brownish grey plastic clay soil.
4172	338596	5461814	Well sorted, even grained, medium grained quartz sand with pervasive dark grey organic staining. Old sand dune.
4173	339266	5461800	Orange plastic clay soil with scattered small limonite/goethite fragments.
4174	339316	5461802	Orange and brown friable clay soil with common small fragments of limonite/goethite.
4175	339365	5461800	Orange plastic clay soil with abundant limonite/goethite fragments to 5 mm.
4176	339416	5461798	Reddish brown friable clay soil with tiny fragments of v. weathered siltstone.
4177	339464	5461797	Orange friable clay soil with minor fragments of limonite/goethite.
4178	339515	5461797	Orange friable clay soil with fairly common, v. small limonite/goethite fragments.
4179	339565	5461798	Orange-brown friable clay soil with common v. small limonite/goethite fragments.
4180	339615	5461800	Brown friable clay soil with common tiny black fragments.
4181	339116	5461471	Orange plastic clay soil with common fragments of limonite-goethite to 4 mm.
4182	339160	5461471	Brown wet, but friable soil with platy fragments of cream carbonate. Spring mound deposit.
4183	339217	5461476	From 0.4 m depth in shallow dozer cut. Hard orange clay with small fragments of granular secondary quartz.
4184	339264	5461468	Reddish brown friable clay soil with abundant v. weathered siltstone and scaly black material (?after limonite/goethite and/or manganiferous, fracture coatings).
4185	339313	5461469	Brown, moderately plastic clay soil with common scaly black material.
4186	339067	5461472	Buff friable clay soil with minor quartz granules to 2 mm, also minor limonite/goethite to 4mm.
4187	339019	5461471	Buff friable clay soil with sparse tiny fragments of limonite goethite.
4188	338968	5461470	Brown friable clay soil with small fragments of limonite/goethite, also some granular vein quartz with cavities.
4189	338921	5461473	Brown mod. plastic clay soil with tiny fragments of lim/goeth.
4190	338868	5461473	Wet buff plastic clay soil. Nearby surface lag of concretionary limonite/goethite to 5 cm.
4191	338818	5461472	Orange plastic clay soil with v. sparse, v. small fragments of lim/goeth.
4192	338616	5460948	Orange-brown friable clay soil with sparse very small platy lim/goeth.
4193	338667	5460945	Orange-brown friable clay soil with small patches of reddish and yellow clay. Sparse small lim/goeth. Possibly some quartz fragments.
4194	338718	5460944	Inhomogeneous friable clay - mostly brown with small cream patches. Small fragments of weathered purple siltstone.

Sample Number	AMG East	AMG North	Description
4195	338768	5460946	Orange-brown plastic clay with fragments of friable secondary quartz, also weathered, dark brown siltstone.
4196	338814	5460953	Orange-brown friable and plastic clay with scattered angular fragments of friable, fine grained secondary quartz.
4197	338850	5460944	Orange plastic clay soil with sparse v. weathered siltstone fragments.
4198	338909	5460949	Inhomogeneous yellow, orange, grey and cream, friable clay soil with abundant v. weathered cream and grey siltstone.
4199	338951	5460937	Medium brown friable soil as a matrix to v. weathered siltstone fragments.
4200	338569	5460953	Orange-brown friable clay soil with minor ?siltstone and ?lim/goeth.
4201	338518	5460953	Orange and brown plastic clay soil with sparse quartz granules and lim/goeth.
4202	338467	5460954	Inhomogeneous red-brown, buff, brown and yellow friable clay soil.
4203	338365	5460953	Orange-brown friable clay soil with small quartz fragments including well crystallised vein quartz.
4204	338265	5460949	Orange-brown plastic clay soil with minor small quartz fragments.
4205	338165	5460951	Brown friable and orange plastic clay soil.
4206	338066	5460954	Wet, grey plastic clay soil with a few orange patches.
4207	338369	5460681	Uniform orange-brown clay soil with sparse small quartz fragments.
4208	338419	5460683	Brown, mod. plastic clay soil.
4209	338469	5460683	Brown mod. plastic clay soil with rare small quartz granules.
4210	338519	5460684	Orange-brown plastic clay soil with sparse small quartz fragments.
4211	338574	5460678	As for 4210.
4212	338619	5460678	Orange plastic clay soil with common quartz to 4 mm, rare lim/goeth.
4213	338670	5460681	Inhomogeneous orange and pale grey clay soil with sparse fragments of ?sericitic siltstone.
4214	338719	5460682	Orange and cream plastic clay soil with a few fragments of ?hematite to 15 mm.
4215	338763	5460688	Orange friable clay soil with minor fragments of limonite/?hematite and dark grey chert.
4216	338816	5460686	Friable buff clay soil with reddish patches. Sparse fragments of ?altered siltstone.
4217	338861	5460680	Brown and buff, friable clay soil with abundant weathered siltstone that appears to be unaltered.
4218	338043	5460094	Orange-brown friable clay soil with minor fragments of lim/goeth.
4219	338136	5460099	Orange-brown friable clay soil with common fragments of pale grey and dark grey siltstone showing a strong grain fabric.
4220	338235	5460101	Orange-brown mod. plastic clay soil with common fragments of pale grey siltstone.
4221	338334	5460103	Red-brown friable clay soil with abundant fragments of mod. weathered olive to orange bedded lithic sandstone.
4222	338428	5460101	Rich red-brown friable clay soil with common fragments of v. weathered red-brown siltstone and lithic sandstone.
4223	338527	5460103	Orange friable clay soil and common mod. weathered buff siltstone.
4224	338628	5460100	Rich red-brown friable clay soil with small fragments of v. to mod. weathered basalt.
4225	338728	5460109	Brown friable clay soil with abundant fragments of mod. weathered, cream siltstone.
4226	338826	5460103	Orange-brown friable clay soil with common fragments of mod. weathered reddish siltstone.
4227	337934	5460099	Orange-brown friable clay soil with common lim/goeth. fragments to 4 mm.
4228	337835	5460100	Brown friable clay soil with one 3 cm fragment of white granular secondary quartz.
4229	337734	5460100	Wet, medium grey plastic clay soil with orange patches.
4230	337634	5460099	Wet, orange plastic clay soil with rare small fragments of quartz.
4231	337535	5460099	Wet, grey clayey coarse-grained quartz sand with sparse fragments of vein quartz and rare colloform quartz. ?Alluvium.
4232	337424	5460097	Wet, grey clayey coarse-grained quartz sand with sparse well-rounded quartz granules. Alluvium.

Sample Number	AMG East	AMG North	Description
4233	337592	5459448	Orange-brown and minor reddish, plastic clay soil with tiny fragments of lim/goeth., also a few fragments to 3 cm of fine-grained, white secondary quartz.
4234	337642	5459448	Orange-brown friable clay soil with common fragments of mod. weathered reddish siltstone, also ?scaly lim/goeth.
4235	337694	5459447	Orange-brown friable clay soil with common fragments of reddish siltstone and sparse lim/goeth.
4236	337744	5459448	Orange-brown mod. plastic clay soil with common fragments of mod. weathered reddish and greenish siltstone, also sparse dark grey chert.
4237	337795	5459449	Orange-brown friable clay soil with common mod. weathered siltstone, also a few fragments of dark grey chert as well as a few of granular secondary quartz.
4238	337843	5459450	Inhomogeneous orange, reddish and brown friable clay with common fragments of red-brown siltstone and fine-grained secondary quartz. Sparse lim/goeth.
4239	337896	5459450	Buff, slightly clayey coarse-grained quartz sand with common fragments of granular secondary quartz.
4240	337948	5459455	Red-brown friable clay soil with very little rock. One piece of cream ?altered siltstone.
4241	337994	5459448	Orange-brown friable clay soil. Siltstone in nearby tree roots.
4242	337545	5459445	Orange-brown friable clay soil with common fragments of mod. weathered siltstone.
4243	337496	5459445	Orange-brown friable clay soil .
4244	337445	5459443	Orange-brown mod. plastic clay soil.
4245	337345	5459442	Buff, friable clay soil with a few 1 mm quartz grains.
4246	337241	5459437	Grey-brown plastic clay with a few angular fragments of grey chert to 2 cm.
4247	337147	5459444	Grey-brown and buff mod. plastic clay soil with a few small quartz grains.
4248	337051	5459444	Grey-brown friable clay soil with a few 1-2 mm quartz and ?chert grains. Maybe a little rounded.
4249	337851	5459843	Brown friable clay soil with common small fragments of cream granular secondary quartz.
4250	337905	5459839	Orange friable clay soil with cream soft patches (?altered siltstone) and a few quartz grains.
4251	337953	5459831	Orange mod. plastic clay soil with rare quartz grains.
4252	337990	5459842	Orange friable clay soil with common mod. weathered orange siltstone fragments.
4253	338036	5459843	Buff mod. plastic clay soil with rare quartz grains.
4254	337804	5459845	Orange-brown friable clay soil with common small fragments of lim/goeth.
4255	337754	5459840	Orange-brown friable clay soil with rare, very small fragments of granular secondary quartz.
4256	337701	5459837	Medium brown clayey medium-grained quartz sand. ?Alluvium.
4257	337651	5459841	Brown clayey medium-grained quartz sand. ?Alluvium.
4258	337599	5459841	Orange-brown sandy plastic clay.
4259	337550	5459837	Red-brown friable clay soil with a few lim/goeth. fragments to 4 mm.
4260	337560	5459050	Fawn, buff and minor orange clay soil with common angular fragments of dark grey chert containing patches of lim/goeth.
4261	337618	5459054	Buff mod. plastic clay soil with common fragments of dark grey chert containing a few limonitic fractures.
4262	337657	5459067	Buff plastic clay soil with common lim/goeth. fragments and a few fragments of v. weathered reddish siltstone.
4263	337706	5459069	Orange-brown mod. plastic clay soil with common small fragments of lim/goeth. Common siltstone in nearby tree roots.
4264	337760	5459065	Orange-brown friable clay soil with abundant v. weathered reddish brown siltstone.
4265	337507	5459055	Light brown sandy clay soil with orange patches. Common pale granular secondary quartz.
4266	337459	5459050	Medium grey clayey sandy gravel of granular secondary quartz.
4267	337407	5459051	Black and grey sandy gravel of secondary quartz with abundant organic material.
4268	337357	5459051	Medium grey stiff plastic clay.

Sample Number	AMG East	AMG North	Description
4269	337307	5459050	Wet, dark grey with small orange patches, stiff plastic clay.
4270	337257	5459049	Dark brown and dark grey, stiff plastic clay.
4271	337434	5458748	Very friable, fawn sandy soil with abundant white granular secondary quartz.
4272	337489	5458750	Orange-brown friable clay soil with abundant v. to mod. weathered siltstone.
4273	337520	5458742	Buff friable clay soil with abundant mod. weathered buff to pink siltstone.
4274	337574	5458752	Orange friable clay soil with abundant v. to mod. weathered lithic sandstone.
4274	337574	5458752	
4275	337384	5458748	Medium grey, stiff plastic clay with rare pieces of angular milky quartz.
4276	337333	5458748	Wet, medium grey, stiff plastic clay with rare small pieces of white granular secondary quartz.
4277	337284	5458749	Wet, medium brown and medium grey, stiff plastic clay.
4278	337234	5458748	Mottled, pale buff and orange, stiff plastic clay.
4279	337183	5458749	Orange-brown mod. plastic clay soil.
4280	337134	5458749	Buff friable clay soil with sparse tiny rounded limonitic fragments. Possibly after basalt.
4281	337083	5458750	Buff friable clay soil.
4282	336980	5458747	Buff friable clay soil with a few angular fragments to 5 mm of v. fine-grained, massive, khaki ?dolomite.
4283	336888	5458747	Buff friable clay soil with a few limonitic fragments after ?basalt, ?dolomite.
4284	336772	5458285	Wet, medium grey-brown stiff plastic clay.
4285	336672	5458287	Wet, medium grey stiff plastic clay with a few tiny quartz grains of uncertain rounding.
4286	336576	5458294	Medium grey stiff plastic clay with small orange clay patches.
4287	336475	5458304	Medium and light grey, stiff plastic clay with orange clay patches to 10 mm.
4288	336569	5457849	Inhomogeneous pale grey and orange plastic clay soil with fragments to 2 cm of white granular secondary quartz containing minor limonite.
4289	336525	5457866	Buff friable clay soil with fairly common fragments of dark grey fine-grained chert, also white granular secondary quartz with minor limonite. Small proportion of well rounded pebbles in lag on surface.
4290	336479	5457887	Buff and orange mottled clay soil with common fragments of v. fine-grained secondary quartz containing limonitic fractures, also chert and granular secondary quartz. Rounded pebbles in surface lag.
4291	336434	5457908	Orange friable clay soil with fragments up to 2 cm of granular secondary quartz with limonitic fractures.
4292	336389	5457930	Mottled buff and orange plastic clay soil containing a very well rounded quartz pebble. Common rounded pebbles in surface lag from 4291. Alluvium or mixed residual soil and alluvium.
4293	336298	5457970	Wet, buff and orange plastic clay soil with no discernible rock fragments. Small angular chert fragments in surface lag from 4292.
4294	336204	5458013	Medium grey and buff plastic clay soil with one v. well rounded quartz granule.
4295	336112	5458057	Medium grey plastic clay soil with rare tiny quartz fragments, possibly rounded.
4296	335833	5457035	Dark brown mod. plastic clay soil with common fragments of mod. weathered khaki siltstone and v. weathered reddish fine-grained sandstone.
4297	335735	5457032	Dark orange-brown mod. plastic clay soil with minor small fragments of v. to mod. weathered, buff to reddish siltstone.
4298	335636	5457034	Dark orange-brown mod. plastic clay soil with red ochreous patches, also common fragments of v. weathered siltstone, dark grey siltstone and cream granular secondary quartz.
4299	335534	5457034	Dark orange-brown mod. plastic clay soil.

Sample Number	AMG East	AMG North	Description
4300	335436	5457031	Dark orange-brown mod. plastic clay soil.
4301	335336	5457030	Dark orange-brown mod. plastic clay soil., with one 4 mm fragment of limonitic material.
4302	335886	5457032	Medium brown friable clay soil with abundant fragments to 4 cm of coarse-grained lithic sandstone.
4303	335937	5457032	Medium brown friable clay soil with orange patches and abundant lithic material eg. olive fine-grained sandstone.
4304	335987	5457032	Medium orange-brown friable clay soil with sparse limonitic fragments.
4305	336037	5457031	Buff friable clay soil with fairly common fragments of v. weathered reddish siltstone and small fragments of lim/goeth.
4306	336084	5457032	Buff friable clay soil with sparse fragments of v. weathered orange siltstone.
4307	336133	5457034	Buff friable clay soil with abundant v. weathered reddish siltstone.
4308	336176	5457028	Buff friable clay soil rich in fragments of v. weathered reddish lithic sandstone.
4309	336228	5457031	Buff friable clay soil rich in fragments of clayey fine-grained sandstone.
4310	336273	5457036	Wet, orange plastic clay soil. Abundant clayey quartz sandstone in surface talus and outcropping in nearby creek.
4311	336622	5457840	Orange-brown mod. plastic clay soil with scattered small fragments of dark grey chert, also white granular secondary quartz, and v. weathered buff and reddish clay rock (?after alteration).
4312	336670	5457839	Buff mod. plastic clay soil with fairly common tiny fragments of white fine-grained secondary quartz and flaky limonite.
4313	336722	5457833	Grey, slightly clayey sand and angular gravel of pale secondary quartz, no limonite.
4314	336769	5457836	Light grey sandy angular gravel of secondary quartz, no limonite.
4315	336816	5457830	Light grey sandy angular gravel of secondary quartz, no limonite.
4316	336863	5457821	Buff clay with fairly common quartz sand and small fragments of chert and fine-grained secondary quartz.
4317	336912	5457840	Buff clay soil with rare tiny fragments of lim/goeth.
4318	336968	5457827	Buff friable clay soil with rare lim/goeth. fragments up to 10 mm.
4319	337012	5457831	Buff friable clay soil with sparse tiny fragments of lim/goeth. and limonitic lithic fragments.
4320	336177	5457456	Orange-brown mod. plastic clay soil.
4321	336126	5457455	Buff mod. plastic clay soil. V. well rounded pebble of granular secondary quartz near top of auger hole.
4322	336072	5457452	Buff mod. plastic clay soil with fragments of silicified fine-grained sandstone. Common silica altered rocks in surface lag.
4323	336226	5457454	Orange-brown mod. plastic clay soil with scattered, angular to rounded fragments of chert and cream granular secondary quartz.
4324	336278	5457453	Ground possibly disturbed by quarry works. Medium brownish grey, slightly clayey quartz sand and angular gravel of granular secondary quartz.
4325	336316	5457451	Ground possibly disturbed by quarry works. Light brown clayey sand with fragments of granular secondary silica.
4326	336377	5457446	Remnant of original soil profile. Pale grey sandy gravel of granular secondary quartz. No limonite.
4327	336421	5457451	In situ material in floor of quarry. Off-white, sandy gravel of granular secondary quartz. No limonite.
4328	336470	5457451	In situ material in floor of quarry. Off-white sandy gravel of secondary quartz.
4329	336525	5457446	Out of quarry. Humus and off-white sandy gravel of granular secondary quartz. Poor GPS site.
4330	336562	5457447	Off-white sandy gravel of granular secondary quartz and grey chert.
4331	336612	5457463	Buff clay soil with common fragments of dark grey chert containing limonitic fractures.
4332	336661	5457447	Buff clay soil with abundant fragments of mod. weathered reddish and buff siltstone.
4333	336009	5457429	Buff mod. plastic clay soil with small fragments of granular secondary quartz and lim/goeth.
4334	335916	5457465	Buff mod. plastic clay soil with minor fragments of lim/goeth. to 4 mm.
4335	335822	5457499	Red-brown friable clay soil with fairly common tiny fragments and flakes of lim/goeth.
4336	335730	5457535	Buff friable clay soil with rare quartz granules of uncertain rounding.

Sample Number	AMG East	AMG North	Description
4337	335836	5457034	Buff mod. plastic clay soil with sparse small fragments of olive fine-grained sandstone, also angular milky quartz.
4338	336176	5457450	Buff mod. plastic clay soil.
4339	336572	5457846	Buff plastic clay soil with patches of grey clay and sparse small fragments of granular secondary quartz.
4340	337208	5458286	Very inhomogeneous orange, medium grey and buff, friable and plastic clay soil with common fragments of dark grey chert, also granular secondary quartz with limonite staining.
4341	337438	5458747	Pale brown, very friable, slightly clayey, sandy soil with numerous fragments of fine-grained and granular secondary quartz. No limonite.
4342	337557	5459051	Wet, fawn plastic clay soil with patches of buff clay. Common fragments of grey chert, also minor granular secondary quartz and lim/goeth.
4343	337598	5459450	Buff mod. plastic clay soil with orange and reddish patches.
4344	337858	5459859	Light buff, v. friable clay soil with fairly common quartz grains, also a few v. small lim/goeth. fragments.
4345	338042	5460104	Orange-brown friable clay soil with common fragments of lim/goeth. to 3 mm.
4346	338373	5460681	Buff mod. plastic clay soil with fairly common tiny quartz grains and tiny lim/goeth. fragments.
4347	338618	5460950	Orange-brown friable clay soil with small lithic fragments including fractured and brecciated siltstone, also v. small lim/goeth. fragments.
4348	339125	5461480	Wet, buff plastic clay soil with small rounded and flaky fragments of lim/goeth.
4349	339218	5461794	Orange-brown friable clay soil with common fragments of weathered lithic sandstone.
4350	339759	5462152	Orange-brown friable clay soil with common angular fragments of red-brown, relatively massive rock similar to red-brown iron-rich siltstone on McPhersons Road.
4351	338316	5460678	Buff mod. plastic clay soil with minor angular and well rounded quartz grains and sparse tiny lim/goeth. fragments.
4352	338265	5460680	Buff mod. plastic clay soil with fairly common fragments of lim/goeth.
4353	338214	5460681	Wet, buff mod. plastic clay soil.
4354	338164	5460681	Wet, buff mod. plastic clay soil with sparse lim/goeth. fragments to 3 mm.
4355	338115	5460680	Buff friable clay soil with sparse tiny fragments of lim/goeth. and ?rounded quartz grains.
4356	338015	5460680	Buff friable clay with a few reddish limonitic patches.
4357	337914	5460681	Buff friable clay soil with abundant 1-2 mm angular quartz grains and sparse lim/goeth, also a few angular fragments of limonitic colloform quartz
4358	337813	5460677	Buff friable clay soil.

**Morrith Holdings Pty Ltd
Roger River Project
EIs 11/97, 12/97, 13/97, 14/97, 61/94 & 17/01
Combined annual report to
18.12.02**

Appendix 4

DEEP AUGER SAMPLE DATA

Part I: Assay data

Samples were collected using a trailer mounted Mole auger rig with a penetration capacity of about 15 m, operated by Barry Cox of Blackmans Bay. The samples were dried and pulverised at Analabs' Cooee laboratory. They were analysed at Genalysis' Gosnells laboratory using aqua regia digest, solvent extraction with carbon furnace AAS for Au (DL1 ppb) and flame AAS for various combinations of Ag (0.1ppm), Sb (2 ppm), As (10 ppm), Tl (2 ppm), Cu (1 ppm), Pb (1ppm), Zn (1 ppm).

Part 2: Sample descriptions

Appendix 4, Part 1

GREENSTONE RESOURCES

DEEP AUGER ASSAY RESULTS

Sample No	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection	1	1	0.1	10	1	1	1	2	2
4061	<1		<0.1	<10	7	8	14	<2	<2
4062	<1		<0.1	<10	5	7	15	<2	<2
4063	<1		<0.1	<10	7	6	12	<2	<2
4064	<1		<0.1	<10	14	10	51	<2	<2
4065	<1		<0.1	<10	7	8	16	<2	<2
4066	<1		<0.1	<10	19	9	54	<2	<2
4067	<1		<0.1	<10	4	9	15	<2	<2
4068	1		<0.1	<10	34	10	272	2	<2
4069	<1		<0.1	<10	4	4	16	<2	<2
4070	1		<0.1	<10	27	29	71	<2	<2
4071	<1		<0.1	23	26	11	46	<2	<2
4072	<1		<0.1	99	18	20	105	<2	<2
4073	<1		<0.1	36	25	10	67	<2	<2
4074	<1		<0.1	59	8	6	21	<2	<2
4075	<1		<0.1	38	21	9	71	<2	<2
4076	<1		<0.1	45	8	3	15	<2	<2
4077	<1		<0.1	<10	3	<1	4	<2	<2
4078	<1		<0.1	<10	5	2	7	<2	<2
4079	<1		<0.1	<10	4	1	3	<2	<2
4080	<1		<0.1	12	31	9	179	<2	<2
4081	<1		<0.1	<10	3	<1	11	<2	<2
4082	<1		<0.1	39	9	5	69	<2	<2
4083	<1		<0.1	<10	3	<1	7	<2	<2
4084	<1		<0.1	<10	32	5	214	<2	<2
4085	<1		<0.1	<10	4	2	8	<2	<2
4086	<1		<0.1	18	41	6	206	<2	<2
4087	<1		<0.1	<10	4	3	11	2	<2
4088	1		<0.1	10	26	15	330	<2	<2
4089	<1		<0.1	<10	5	3	15	<2	<2
4090	<1		<0.1	12	23	10	394	<2	<2
4091	<1		<0.1	<10	3	2	8	<2	<2
4092	<1		<0.1	14	14	18	303	<2	<2
4093	<1		<0.1	<10	5	3	8	<2	<2
4094	<1		<0.1	<10	57	4	59	<2	<2
4095	<1		<0.1	<10	4	3	6	<2	<2
4095	<1		<0.1	<10	2	<1	2	<2	<2
4096	<1		<0.1	14	42	4	304	<2	<2
4097	<1		<0.1	17	10	6	46	<2	<2
4098	<1		<0.1	20	33	5	65	<2	<2
4099	<1		<0.1	<10	12	5	172	<2	<2
4100	<1		<0.1	55	14	4	11	<2	<2
4101	2		<0.1	<10	8	4	63	2	<2
4102	2		<0.1	<10	9	7	12	4	<2
4103	<1		<0.1	<10	9	5	65	2	<2
4104	4	5	0.2	14	19	7	72	2	<2
4105	3		0.2	<10	12	12	93	2	<2
4106	9	9	0.1	17	39	13	75	7	<2
4107	<1		<0.1	<10	10	5	143	3	<2
4108	4	4	0.1	22	62	30	71	7	<2

Sample No	Au	AuR	Ag	As	Cu	Pb	Zn	Sb	Tl
Units	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection	1	1	0.1	10	1	1	1	2	2
4109	2		<0.1	<10	15	7	447	2	<2
4110	2		0.1	<10	11	6	39	2	<2
4111	2		0.2	<10	17	10	171	2	<2
4112	5	5	0.1	22	78	50	157	4	<2
4113	2		0.2	<10	10	6	156	2	<2
4114	4	3	0.7	15	33	51	115	4	<2
4115	4	4	0.2	<10	15	11	134	<2	<2
4116	3		<0.1	<10	30	5	39	3	<2
4117	<1		<0.1	38	11	5	56	<2	<2
4118	<1		<0.1	33	13	7	50	<2	<2
4119	<1		<0.1	107	12	4	31	<2	<2
4120	<1		<0.1	52	8	4	1250	4	<2
4120	<1		<0.1	50	8	2	1238	4	<2
4121	<1		<0.1	28	18	4	90	<2	<2
4122	2		<0.1	21	27	8	450	<2	2
4123	<1		<0.1	<10	8	4	35	2	<2
4124	<1		<0.1	125	29	8	193	2	4
4125	<1		<0.1	<10	10	5	36	2	<2
4126	<1		<0.1	91	51	14	2247	10	12
4127	2		0.1	28	38	13	151	<2	<2
4128	15	19	<0.1	12	59	30	122	<2	<2
4129	1		<0.1	18	32	9	75	<2	<2
4130	1		<0.1	19	40	13	119	<2	<2
4131	1		<0.1	18	37	17	75	<2	<2
4132	1		<0.1	17	45	14	111	<2	<2
4133	<1		0.2	145	12	5	608	12	<2
4134	<1		<0.1	26	24	9	231	3	<2
4135	4	5	<0.1	46	73	59	203	5	<2
4136	3		0.1	<10	54	22	43	<2	<2
4137	2		<0.1	<10	32	13	56	<2	<2
4138	<1		<0.1	<10	27	13	73	<2	<2
4139	1		0.1	10	25	12	53	<2	<2
4140	5	4	<0.1	17	20	17	9	<2	<2
4141	5	4	<0.1	15	39	14	7	2	<2
4142	2		<0.1	14	26	11	9	<2	<2
4143	2		<0.1	33	46	11	7	5	<2
4144	1		<0.1	<10	7	6	5	<2	<2
4145	1		<0.1	<10	12	6	191	<2	<2
4146	<1		<0.1	<10	9	4	12	<2	<2
4147	1		<0.1	<10	19	7	133	2	<2
4148	<1		<0.1	<10	9	4	12	2	<2
4149	<1		<0.1	10	36	8	195	<2	<2
4150	<1		<0.1	<10	13	5	24	<2	<2
4151	<1		<0.1	<10	50	12	52	<2	<2
4152	<1		<0.1	<10	8	4	18	<2	<2
4153	1		0.1	19	158	35	286	2	<2

Appendix 4, Part 2

GREENSTONE RESOURCES
DEEP AUGER SAMPLE DESCRIPTIONS

Sample	AMG East	AMG North	Depth (m)	Description
4061	343401	5474607	0.7-1.0	black organic loam
4062	343401	5474607	1.3-1.5	grey plastic clay, siliceous BRD chips
4063	343373	5474576	0.7-1.0	humic stained fine quartz sand
4064	343373	5474576	2.1-2.3	grey plastic clay, siliceous BRD chips
4065	343350	5474543	0.7-1.0	humic stained clayey sand
4066	343350	5474543	1.9-2.1	grey plastic clay, decomposed dolomite
4067	343310	5474517	0.7-1.0	mottled clayey sand
4068	343310	5474517	4.3-4.5	grey plastic clay, siliceous BRD chips
4069	343275	5474474	0.8-1.0	heavily humic stained clayey sand
4070	343275	5474474	3.8-4.1	brown sticky clay, dolomite chips
4071	343246	5474450	0.7-1.0	black stiff plastic clay
4072	343246	5474450	3.1-3.4	black brown mud siliceous BRD chips
4073	343212	5474418	0.8-1.0	black stiff clay
4074	343212	5474418	4.5-4.8	black mud, sand, siliceous BRD chips
4075	343174	5474386	0.7-1.0	black brown sandy clay
4076	343174	5474386	3.1-3.4	black sandy mud, lignite
4077	343144	5474350	0.7-1.0	grey clayey sand
4078	343144	5474350	1.2-1.4	humic sand, mud
4079	343108	5474327	0.7-1.0	humic stained quartz sand
4080	343108	5474327	4.5-4.8	blue grey stiff clay, dolomite chips
4081	343057	5474290	0.7-1.0	grey quartz sand
4082	343057	5474290	3.9-4.1	blue black stiff clay, decomposed dolomite
4083	343035	5474290	0.8-1.0	pale grey quartz sand
4084	343035	5474290	9.4-9.6	green brown glauconitic sand, shell grit
4085	324995	5474276	0.8-1.0	pale grey quartz sand
4086	324995	5474276	9.3-9.6	green mud, glauconitic sand
4087	342959	5474266	0.8-1.0	heavily humic stained sand
4088	342959	5474266	9.3-9.6	green mud, lithic glauconitic sand
4089	342910	5474255	0.8-1.0	humic stained quartz sand
4090	342910	5474255	5.6-5.9	green sticky clay, fine glauconitic sand, shell grit
4091	342860	5474243	0.8-1.0	grey quartz sand
4092	342860	5474243	5.1-5.4	green brown mud, glauconitic sandy clay
4093	342782	5474218	0.8-1.0	humic stained quartz sand
4094	342782	5474218	5.7-6.0	brown mud, silty clay
4095	342715	5474206	0.8-1.0	black grey humic quartz sand
4096	342715	5474206	5.7-6.0	brown olive sticky clay
4097	342632	5474161	0.8-1.0	orange brown sticky clay
4098	342632	5474161	2.8-3.0	brown stiff clay, quartzite gravel
4099	343551	5472768	0.8-1.0	black Pulbena Lmst soil
4100	343551	5472768	3.0-3.2	blue grey clay, siliceous BRD chips
4101	343507	5472780	0.8-1.0	fawn spring mound calcrete, clay
4102	343507	5472780	4.0-4.2	white grey decomposed BRD
4103	343465	5472783	0.8-1.0	black organic soil, spring mound calcrete
4104	343465	5472783	3.8-4.0	cream grey decomposed BRD
4105	343433	5472790	0.8-1.0	black organic soil, spring mound calcrete
4106	343433	5472790	6.0-6.4	yellow brown clay, decomposed BRD
4107	343380	5472796	0.8-1.0	black peaty soil, spring mound calcrete
4108	343380	5472796	4.9-5.1	yellow brown clay, decomposed BRD
4109	343338	5472802	0.8-1.0	black peaty soil, spring mound calcrete
4110	343338	5472802	4.9-5.1	grey clay, siliceous BRD chips
4111	343294	5472783	0.8-1.0	black peaty soil, spring mound calcrete
4112	343294	5472783	5.6-5.8	yellow brown clay, calcareous BRD chips
4113	343245	5472790	0.8-1.0	spring mound calc grit, organic soil
4114	343245	5472790	5.7-6.0	yellow brown clay, decomposed BRD

Sample	AMG East	AMG North	Depth (m)	Description
4115	343199	5472819	0.8-1.0	grey clay, calcrete grit, nodules
4116	343199	5472819	5.3-5.4	white grey clay, decomposed BRD
4117	341466	5467539	0.8-1.0	brown cream spring mound calcrete, clay
4118	341466	5467539	2.1-2.3	brown mud, calc grit, travertine chips
4119	341496	5467546	0.8-1.0	black humic mud, Pulbena Lmst soil
4120	341496	5467546	3.9-4.1	cream calc mud, spring mound calc
4121	341519	5467557	0.8-1.0	black peaty soil, calc grit
4122	341519	5467557	10.3-1..5	black humic mud, spring mound calcrete
4123	341550	5467569	0.8-1.0	cream clay, spring mound calcrete
4124	341550	5467569	7.0-7.8	fawn clay, calc mud, spring mound calcrete
4125	341607	5467574	0.8-1.0	cream grey calc clay, spring mound calcrete
4126	341607	5467574	10.1-10.4	brown mud, siliceous BRD chips, chert
4127	341500	5467419	0.8-1.0	brown orange sticky clay, Fe oxide chips
4128	341500	5467419	7.9-8.1	yellow brown mud, dolomite chips
4129	341576	5467398	0.8-1.0	grey brown sticky clays, calc grit
4130	341576	5467398	5.1-5.4	red brown iron rich clays, siliceous BRD chips
4131	341592	5467291	0.8-1.0	brown plastic clay, organic carbon
4132	341592	5467291	4.2-4.4	red brown clay, calc grit, siliceous BRD chips
4133	341505	5467251	0.8-1.0	Pulbena Lmst shelly soil, peat
4134	341505	5467251	7.2-7.4	black mud, calc grit, siliceous BRD chips
4135	341787	5466685	1.5-1.7	mottled orange brown clay
4136	341801	5466692	1.3-1.5	grey orange stiff clay
4137	341812	5466703	1.3-1.5	yellow grey clay
4138	341826	5466700	0.5-0.6	mottled yellow white clay, ironstone
4139	341837	5466706	0.1-0.2	yellow brown clay, oxidised rock chips
4140	341849	5466718	0-0.1	yellow brown clay oxidised rock chips
4141	341865	5466719	0-0.1	mottled clay, chert rock chips
4142	341873	5466722	0.1-0.2	brown topsoil, siliceous BRD chips
4143	341886	5466730	0.1-0.2	brown topsoil, siliceous BRD chips
4144	341898	5466738	0.1-0.2	brown topsoil, siliceous BRD chips
4145	343159	5472821	0.8-1.0	black organic soil, calc grit
4146	343159	5472821	3.7-3.9	grey calc mud, siliceous BRD chips
4147	343111	5472834	0.8-1.0	black organic soil, calc grit
4148	343111	5472834	2.5-2.7	grey calc mud, quartzite pebbles
4149	343065	5472839	0.8-1.0	blue grey plastic clay, calc grit
4150	343065	5472839	1.3-1.5	grey sand, polymict pebbles
4151	343001	5472845	0.8-1.0	black plastic clay
4152	343001	5472845	1.8-2.0	grey clay, sand, siliceous BRD chips
4153	342710	5474200	~40 m	yellow brown clay, polymict pebbles, BRD chips