AUSTRALASIAN METALS

ASX Announcement | ASX: A8G | 8 Jan 2024

Polymetallic epithermal veining identified in the at the Nanya Prospect, Mt Clermont Project, Central Queensland

Highlights

- **Field investigation and sampling has identified epithermal veining similar to that seen at the Retro Extended prospect, where a Maiden JORC Inferred Mineral Resource Estimate (MRE) of 63,600 oz of gold at a grade of 1.13 g/t was declared by the Company for the combined Ayres Rock and Retro Extended deposits**.
- **Twenty (20) of the thirty seven (37) rock samples recently collected were anomalous in Pb (including 2.86% and 1.37% Pb), Cu, Mo, Zn and Mn from surface.**
- **The anomalous base metal geochemistry was also supported by anomalous Th, U, V, Sr, Sn, Ba, As, plus Ag and minor Au, over an area of some 1.5km length (roughly East-West) by 0.25km width.**

Australasian Metals Limited (**ASX: A8G**, **Australasian** or the **Company**) is pleased to advise that the Company has completed additional field mapping and surface rock chip sampling at the Nanya Prospect, within the Mt Clermont Gold Project located in Central Queensland (the **Project**) Figure 1.

Historically, the Nanya Prospect was considered to represent the core intrusion of a copper-molybdenum intrusive with a transition from copper-molybdenum to proximal copper-lead-zinc. Recent rock chip sampling confirms the presence of a potentially large mineralised base metal porphyry system. Additionally, the recent mapping has also located epithermal veining similar to that seen at the Retro Extended prospect where a maiden gold resource was declared by the Company (JORC Inferred Mineral Resource Estimate (MRE) quoted for combined Ayres Rock and the Retro Extended deposits in ASX announcement dated 11 April 2023 as 63,600 oz of gold at a grade of 1.13 g/t).

A8G Managing Director Dr Qingtao Zeng commented:

"Ongoing exploration success at the Company's highly prospective Queensland gold and base metal projects comes at a time when the gold price is setting new all-time highs. The newly

identified epithermal veining at the Nanya prospect may indicate we are touching a bigger gold system at the Mt Clermont gold project".

The 100%-owned Mt Clermont and Capella Projects are located within the Anakie Province of the Drummond Basin, Queensland (Figure 1). The project areas are located on the western margin of the Anakie Inlier, which comprises the multiply deformed Neoproterozoic-Cambrian age Anakie Metamorphic Group. The Anakie Metamorphic Group is intruded by Mid Devonian age granitoids of the Retreat Batholith. Fault-bounded blocks and basins preserve rocks of the Silver Hills Volcanics, which represent the syn-rift basal sequence of the Devonian-Carboniferous age Drummond Basin. A north-northwest trending series of intra-cratonic basins preserves Permian rocks of the Bowen Basin succession.

Extensive Tertiary basalt flows cover the northern portion of the project areas, and outcrop is limited. Clay-rich and black soils have developed over much of the project area and are up to 20 metres thick in some places. Major structural trends comprise northwest and northeast oriented lineaments and faults that acted as transfer or accommodation faults, as well as normal faults during their history. Several prospects in the area are located along, or at the intersection of, regional scale northwest and northeast faults. The project area contains prospects within the Anakie Metamorphic Group, comprising shear zone hosted gold and quartz vein lode gold deposit types.

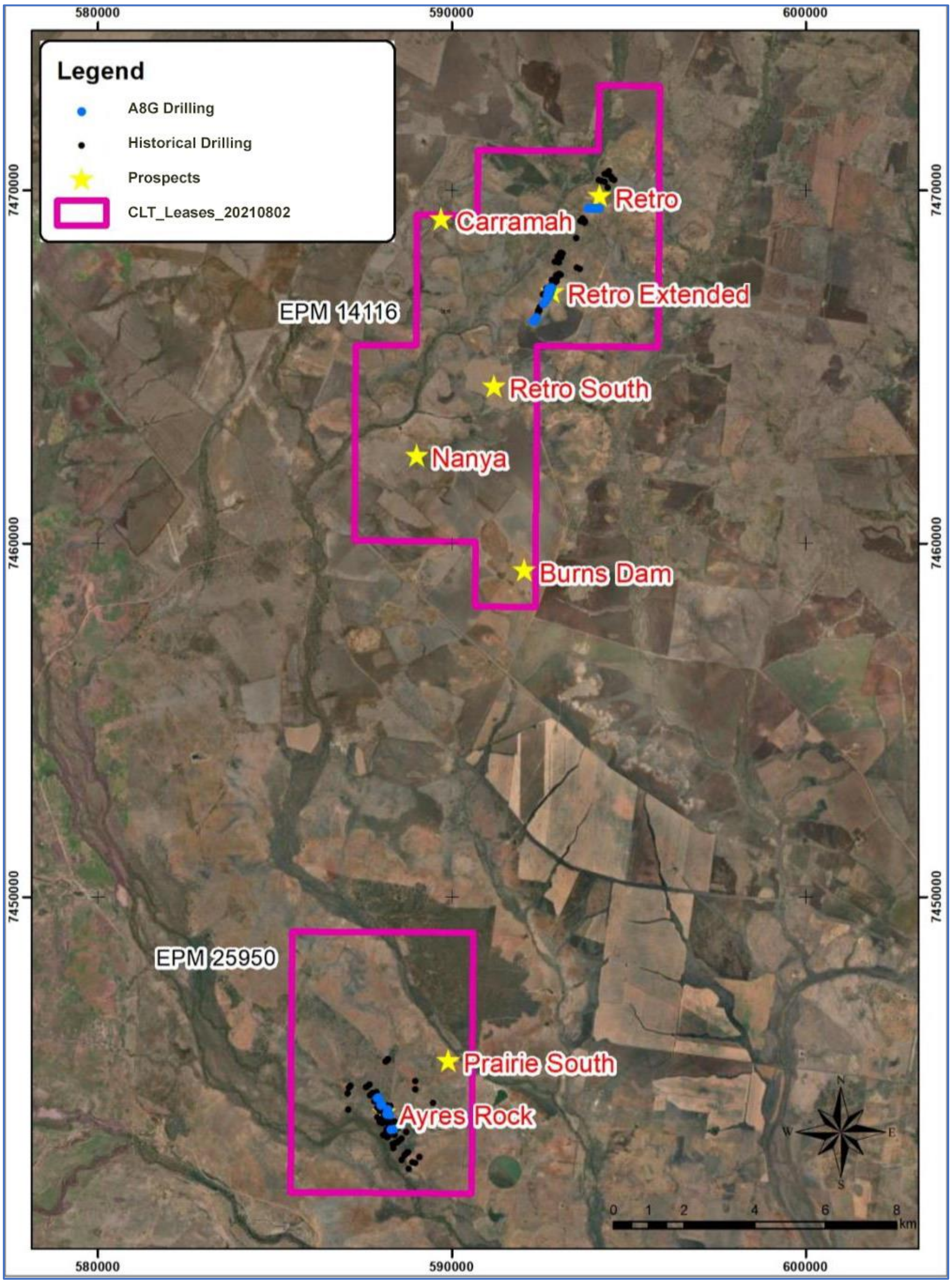

Figure 1: Location of the Mt Clermont and Capella gold projects, Central Queensland

At the Nanya Prospect, recent exploration programs consisted primarily of geological mapping and surface rock chip sampling (photos 1 to 7) following on from the 2022 drilling campaign for both Mt Clermont and Capella.

Historically, the Nanya Prospect was considered to represent the core intrusion of a copper-molybdenum intrusive with a transition from copper-molybdenum to proximal copper-lead-zinc. However, the recent mapping has located epithermal veining (Photos 1 to 5) similar to that seen at the Retro Extended prospect (Photo 6) where a maiden JORC MRE was declared by the Company in May 2023.

The Nanya Prospect is located at the southern end of the tenement approximately 5 km south of Retro Extended. The Nanya Prospect comprises a sericite-sulphide-magnetite altered Devonian granite porphyry (Photo 7) that outcrops over an area of 2.5 km by 1 km (Figure 2). Historical rock chip samples collected at Nanya returned results up to 0.2% copper, 99 g/t silver, 4.8% lead and 0.13% molybdenum (Figure 2).

Thirty-seven rock samples were collected over the Nanya prospect recently and were typically associated with the sericite (sulphide-magnetite) altered granite porphyry; however, in the eastern portion of the prospect the recent mapping has located epithermal veining (Photos 1 to 5) analogous to that seen at the Retro Extended prospect (Photo 6).

Twenty of the thirty-seven rock samples collected were anomalous in Pb (with two samples returning 2.86% and 1.37% Pb,), Cu, Mo, Zn and Mn. The anomalous base metal geochemistry was also supported by anomalous Th, U, V, Sr, Sn, Ba, As, plus Ag and minor Au (Table 1). The anomalous geochemistry of this sampling, taken over an area of 1.5km in length (roughly East-West) and 0.25km in width (Figure 3), is suggestive of a large base metal porphyry system. This concept, together with the epithermal veining at Nanya, will be the focus of our exploration efforts at the Mt Clermont Project starting in the new year.

TABLE 1: Rock Sampling Geochemistry with indications of anomalous values

SAMPLE NUMBER	LAT	LONG	mE UTM WGS84	mN UTM WGS84	Element	Au	Ag	As	Ba	Cu	Mn	Mo	Pb	Pb	Sn	Sr	Th	U	V	Zn
					Unit Symbo	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
					Analysis Method	Au-AA24	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	Pb-OG62	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
Q23961	-22.9539	147.8763	589836.8	7461320	Q23961	<0.005	0.032	5.06	135	15	1025	1.08	8.31		1	432	2.23	0.66	164.5	63.6
Q23962	-22.9536	147.8762	589825.2	7461349	Q23962	<0.005	0.102	8.75	152	6.25	626	1.3	13.5		1.92	146	5.28	0.77	72.6	15.2
Q23963	-22.9537	147.8761	589815	7461336	Q23963	<0.005	0.041	18.1	108	17.05	1630	0.66	**20.7**		1.64	428	2.53	1.12	288	76.6
Q23964	-22.946	147.8647	588656.6	7462195	Q23964	<0.005	1.005	19.9	404	5.4	1470	10.7	9.13		1.86	15.6	2.33	1.02	22.1	6.9
Q23965	-22.9463	147.8645	588636.6	7462161	Q23965	<0.005	0.015	2.23	550	2.08	697	2.43	18.2		1.75	61.5	15.75	2.43	9.3	75.8
Q23966	-22.9477	147.8648	588665.6	7462005	Q23966	<0.005	0.027	1.28	480	2.5	473	0.9	15.75		1.03	58.7	16.05	2.17	8.8	27.4
Q23967	-22.9475	147.8647	588653.5	7462034	Q23967	<0.005	0.02	0.94	570	2.53	380	1.84	17.35		1.62	59.3	16.25	2.98	5.4	19.8
Q23968	-22.9463	147.8649	588675.7	7462159	Q23968	<0.005	0.057	2.69	540	5.27	710	1.06	**36.2**		1.1	58.3	16.7	3.58	9.5	57.8
Q23969	-22.9422	147.8682	589014.1	7462614	Q23969	<0.005	0.316	29.7	55	4.76	345	107	**128**		1.67	2.99	0.436	0.62	63.8	158
Q23970	-22.9422	147.8682	589014.1	7462614	Q23970	<0.005	0.015	2.05	430	2.63	267	4.47	18.3		2.1	72.7	18.25	3.35	10.2	12
Q23971	-22.9404	147.8576	587930.3	7462816	Q23971	0.006	0.29	105.5	183	14.95	379	11.5	**44.1**		2.99	27.6	5.13	0.75	17.4	47.5
Q23972	-22.9401	147.8573	587894.1	7462856	Q23972	<0.005	0.039	7.5	500	7.88	749	18.3	**72**		30.1	26.6	18.95	1.92	54.7	69.1
Q23973	-22.9401	147.8573	587894.1	7462856	Q23973	0.09	11.6	386	530	301	5450	204	**4070**		17.75	130.5	30.9	12	107	1270
Q23974	-22.9402	147.8583	587996.8	7462841	Q23974	0.006	0.116	14.55	590	12.75	314	64.5	**152**		36.6	22.2	13.05	1.74	69.9	125
Q23975	-22.9414	147.8655	588737.1	7462702	Q23975	<0.005	0.052	3.08	45	3.56	322	109	**38.5**		1.11	3.58	0.331	0.12	3.9	9.3
Q23976	-22.942	147.8663	588818.8	7462634	Q23976	<0.005	0.087	3.67	660	4.38	874	3.95	**55.2**		3.14	74.4	15.6	1.29	7.4	16.2
Q23977	-22.9422	147.8682	589014.1	7462614	Q23977	0.006	5.69	306	152	76.7	827	511	**1845**		7.5	9.26	1.205	4.25	853	480
Q23978	-22.9419	147.8682	589010.4	7462648	Q23978	<0.005	0.448	11.85	239	2.91	295	418	**88.2**		4	4.58	1.545	0.41	24.9	29.6
Q23979	-22.9419	147.8682	589010.4	7462648	Q23979	0.031	51.7	593	156	584	1465	765	>10000	1.37	75.3	8.82	2.07	2.02	445	1335
Q23980	-22.9419	147.8676	588958	7462651	Q23980	0.031	58.3	584	95	599	1250	673	>10000	2.86	57.5	16.4	1.51	2.14	611	884
Q23981	-22.9427	147.8665	588835.1	7462558	Q23981	<0.005	1.045	4.09	118	4.51	181	10.35	**103.5**		2.87	7.34	2.41	0.75	10.4	4.6
Q23982	-22.9416	147.8661	588797.5	7462679	Q23982	<0.005	0.266	7.27	150	7	790	83.6	**172**		9.17	5.01	1.82	0.23	14.2	14.3
Q23983	-22.9434	147.8699	589184	7462483	Q23983	<0.005	1.855	6.76	76	7.71	258	10.3	**232**		3.07	7.67	2.51	0.82	13.6	8
Q23984	-22.9434	147.8699	589184	7462483	Q23984	<0.005	1.035	2.55	86	3.27	224	5.51	12.75		1.96	7.31	2.18	0.64	7.4	3
Q23985	-22.9431	147.8703	589225	7462518	Q23985	<0.005	0.831	2.75	81	3.58	196.5	7.22	15.15		2.72	10.8	2.63	0.76	8.9	2.9
Q23986	-22.9386	147.8771	589932.7	7463013	Q23986	<0.005	0.076	3.13	8	2.97	228	1.52	7.25		0.28	1.61	0.092	0.05	2.7	5.2
Q23987	-22.9386	147.8771	589932.7	7463013	Q23987	<0.005	0.058	3.03	6	4.56	264	2.13	14.95		0.3	1.44	0.085	0.06	3.5	7.5
Q23988	-22.9386	147.8771	589932.7	7463013	Q23988	<0.005	0.073	2.67	8	3.26	199	1.76	10.7		0.15	2.13	0.104	0.05	3.7	4.5
Q23989	-22.9372	147.8753	589745.1	7463162	Q23989	<0.005	0.01	3.02	11	3.54	273	1.97	9.2		0.18	2.22	0.287	0.03	9.3	3.4
Q23990	-22.9372	147.8753	589745.1	7463162	Q23990	<0.005	0.028	4.91	25	4.85	339	1.76	**31.1**		0.2	4.63	0.277	0.11	9.3	11.4
Q23991	-22.9372	147.8753	589745.1	7463162	Q23991	<0.005	0.01	1.46	7	2.4	177	1.48	5.35		0.13	1.12	0.114	0.01	3	2
Q23992	-22.937	147.8726	589464.1	7463189	Q23992	<0.005	0.07	2.49	23	5.98	254	1	7.02		0.19	8.71	0.121	0.08	5	10.8
Q23993	-22.937	147.8726	589464.1	7463189	Q23993	<0.005	0.335	15.4	295	14.55	1165	1.8	**51.6**		22.1	22.4	1.925	0.37	20.9	20.8
Q23994	-22.937	147.8726	589464.1	7463189	Q23994	<0.005	0.127	15.25	13	5.72	209	1.42	14.4		1.01	10.15	0.16	0.13	6.2	17.6
Q23995	-22.937	147.8726	589464.1	7463189	Q23995	<0.005	0.124	5.92	40	15.3	560	1.95	**78.7**		5.11	8.11	0.228	0.19	22.8	27
Q23996	-22.9379	147.8736	589566.9	7463090	Q23996	<0.005	0.086	22.3	183	15.1	2130	1.56	13.3		1.61	45.6	5.69	1.18	368	39.3
Q23997	-22.9379	147.8736	589566.9	7463090	Q23997	<0.005	0.136	65.9	63	78.1	579	1.83	**20.1**		12.8	34.3	0.184	1.08	56	34.4

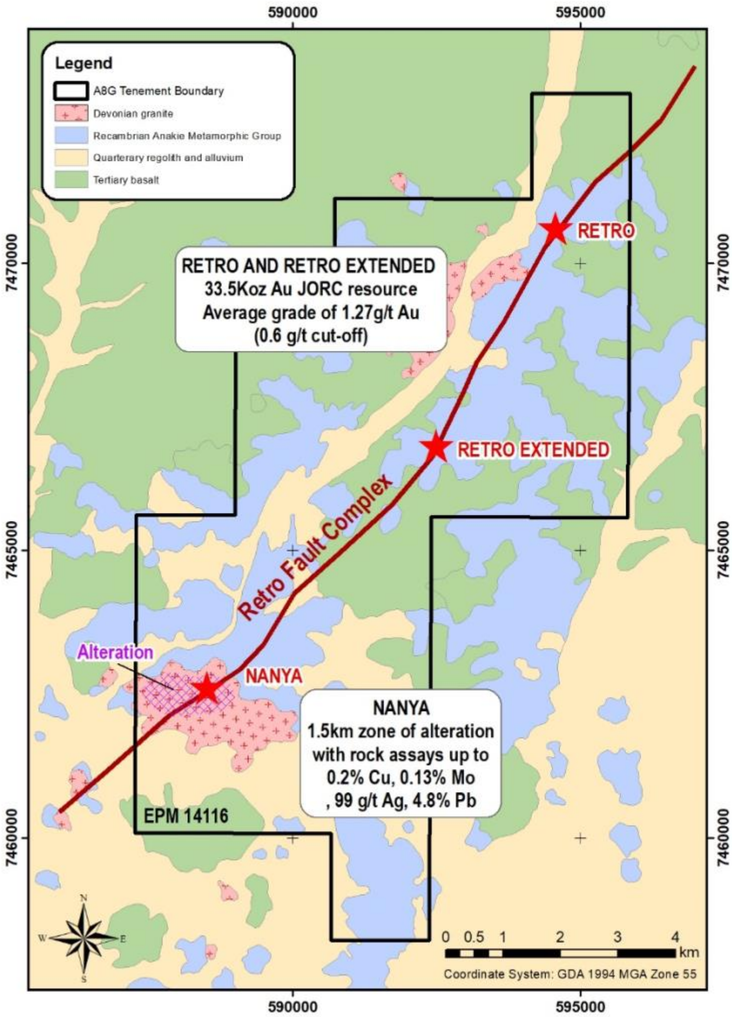

Figure 2: Nanya Prospect location, a sericite-sulphide-magnetite altered Devonian granite porphyry.

Figure 3: Nanya Prospect sample location, and target of the sericite-sulphide-magnetite altered Devonian granite porphyry. The readings are the lead content in ppm. The red grid polygon outlined the alteration areas from field observation.

Photo 1: Epithermal veining Nanya

Photo 2: Epithermal Veining Nanya

Photo 3: Veining and Brecciation Fe-Oxides after sulphide Nanya

Photo 4: Close up of Fe-Oxide on broken surface Nanya

Photo 5: Epithermal Veining and Fe-Oxides after sulphide Nanya

Photo 6: Epithermal Veining at Retro-Extended to compare with Photo 5

Photo 7: Nanya sericite (sulphide-magnetite) altered granite porphyry.

Next Steps

Follow up work programs will be subject to interpretation of recent and historic results which is ongoing.

The interesting and anomalous Th and U values in the sampling suggest that the use of a detailed radiometric survey may be useful in targeting drilling to the core location of the potential mineralised porphyry at Nanya.

ENDS

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Competent Person Statement

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation prepared by Ian Cooper, a consultant geologist of Australasian Metals Limited. Mr Cooper is a Fellow of the Australasian Institute of Mining and Metallurgy, and he has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which has been undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Cooper consents to the inclusion in this release of the matters based on the information in the form and context in which they appear.

Report compliant with the JORC Code (2012).

Section 1: Sampling Techniques and Data

Criteria	Commentary
Sampling techniques	• **Rock Chip and Rubble/soil Samples** • During recent field review consultant geologist Ian Cooper collected rock samples and rubble/soil samples of 1.5 to 3kg in weight for each sample. Rock chip sampling can be subjective however sampler endeavoured to collect representative materials from the sample site. Samples were under supervision of the geologist until submitted to the laboratory. • Sample location, descriptions and sample photos were recorded in the field using purpose software from Konect. • Samples were submitted to the ALS laboratory located in Brisbane Australia with sample preparation method as per the following laboratory code: • LOG-22_CRU-21_PREP-22 (CRUSH/PULVERISE EACH SAMPLE)
Drilling techniques	• Not applicable • No drilling is reported in this news release.
Drill sample recovery	• Not applicable • No drilling is reported in this news release.
Logging	• **Rock Chip and Rubble/soil Samples** • Sample location, descriptions and sample photos were recorded in the field using purpose software from Konect. •
Sub-sampling techniques and sample preparation	• **Rock Chip and Rubble/soil Samples** • Outcrop in the field sampled using a hammer to break rock into fragments of approx. 5cm size, fragments collected over the outcrop to be representative of the site. samples of 1.5 to 3kg in weight were collected for each site. • Samples were submitted to the ALS laboratory located in Brisbane Australia with sample preparation method as per the following laboratory code: • LOG-22_CRU-21_PREP-22 (CRUSH/PULVERISE EACH SAMPLE)
Quality of assay data and laboratory tests	• ALS laboratory completed internal standard and duplicate samples. The results of these samples indicate that there are no known material biases. • **Rock Chip and Rubble/soil Samples** • Samples were submitted to the ALS laboratory located in Brisbane Australia with sample analysis method as per the following laboratory code: ME-MS61L and samples reporting above detection by code: Pb-OG62
Verification of sampling and assaying	• Not applicable for initial rock sampling of prospect.
Location of data points	• MGA94 GDA in 56 datum and projection was used as the grid reference. • **Rock Chip and Rubble/soil Samples** • Sample location, descriptions and sample photos were recorded in the field using purpose software from Konect. GPS location to 3m accuracy was achieved.
Data spacing and distribution	• Not applicable for mapping and rock chip sampling

Criteria	Commentary
Orientation of data in relation to geological structure	• Not applicable
Sample security	• **Rock Chip and Rubble/soil Samples** • Rock Chip Samples: During recent field review consultant geologist Ian Cooper collected rock samples of 1.5 to 3kg in weight for each sample. Samples were under supervision of the geologist until submitted to the laboratory.
Audits or reviews	Not applicable

Section 2: Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section.)

Criteria	Commentary
Mineral tenement and land tenure status	• EPM14116, Mt Clermont, Queensland covering 69.6 km^2. • The tenement is held 100% by Australasian Metals Limited. • No aboriginal sites or places have been declared or recorded in areas where A8G is currently exploring. • There are no national parks over the license area. • the tenement is in good standing with no known impediments.
Exploration done by other parties	• A total of 53 holes were completed on the Mt Clermont permit by previous explorers. • A total of 19 drill holes have been completed at the Retro prospect and 34 holes at Retro Extended prospect were completed by previous companies as discussed in Section 1. The work of previous explorers is acknowledged.
Geology	• The basement rocks in the project area consist of Bathampton Metamorphics, a subdivision of the Anakie Metamorphics. The units consist dominantly of quartz-mica schist and phyllite, with subordinate quartzite, amphibolites and calcsilicate rocks. Historical drilling indicated the continuation of a stockwork mineralised horizon at the tenement. • The Retro and Retro Extended prospects in the Clermont Project are low-sulphidation, epithermal high-grade gold-silver deposits that occur along the Retro Fault Complex 10 km strike length. • The Ayres Rock prospect is interpreted to be a structurally controlled quartz vein breccia unit hosted within rhyolitic ignimbrites of the Silver Hills Volcanics. Clasts within the host rock consist of limestone, volcanics, pumice and occasional metamorphics, with the volcanics displaying propylitic alteration over a broad area. This widespread alteration consists of quartz-albite-chlorite-carbonate-pyrite +/- epidote and rare orthoclase. The deposit is associated with alteration characterised by an outer zone of moderate to intense hematite alteration and/or albite or K-feldspar alteration and an inner zone of significant chlorite and/or sericite alteration. Mineralisation is comprised of fine-grained free gold and fine gold grains associated with disseminated pyrite grain boundaries.
Drill hole Information	• not being reported.

Criteria	Commentary
Data aggregation methods	• not applicable
Relationship between mineralisation widths and intercept lengths	• not applicable
Diagrams	• Exploration Results shown on figures in the report text.
Balanced reporting	• Exploration Results reported.
Other substantive exploration data	• not being reported.
Further work	• Follow up work programmes will be subject to interpretation of recent and historic results which is ongoing.