



ASX RELEASE

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ASX: TSL

MANNAR PROJECT HIGH GRADE DRILLING RESULTS

- **Resource infill and extension drilling has continued on TSL's existing Mannar Island licenses.**
- **Over 92% of the drill holes analysed returned intercepts of between 2% and 24% THM (Total Heavy Mineral).**
- **35% of these intercepts were in areas outside the previously identified resource.**
- **The results confirm the continuity of the mineralised zones as well as potential for resource extensions in three separate zones.**
- **This drilling will contribute to a further resource update planned for September 2019.**
- **Further resource infill and extension drilling to continue at the Mannar island Project**

RESOURCE INFILL AND EXTENSION DRILLING

Resource drilling further to the drilling used in the resource update (**reported to the ASX 11th of February 2019***) has succeeded in reducing the nominal resource drilling pattern down from 400m by 50m to 200m by 50m over 90% of the resource envelope (Figure 1). A total of 802 holes were drilled, with sampling intervals of 0.5m (**reported to the ASX 2nd April 2019****).

Results from 357 of the drill holes have been received to date (Figure 2). Of the 357 drill holes analysed 330 returned intercepts between 2% and 24% THM (Total Heavy Mineral). Of these 126 were located outside the previously defined resource. These drill holes indicate the potential for resource extensions in three separate zones (Figure 2). All these mineralised intercepts are from surface and drilling was only down to the water table at 2m to 5m depth.

Results from the remaining 445 drill holes are pending and will be reported in due course.

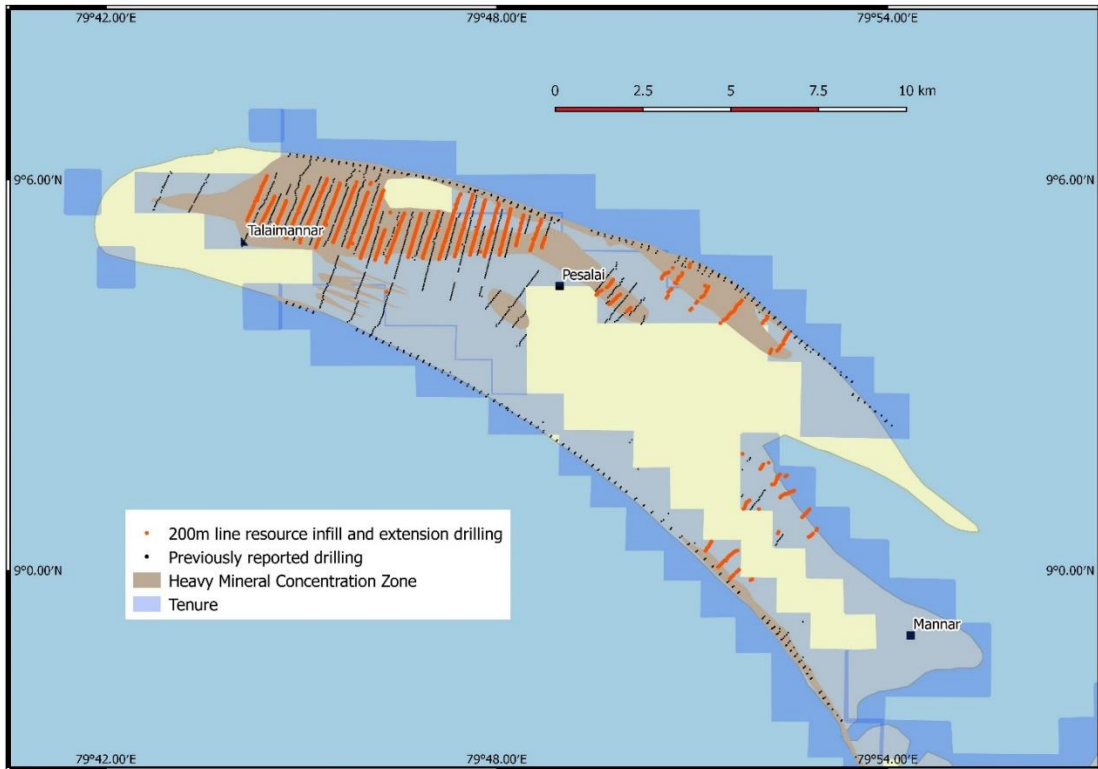


Figure 1 Mannar Island Heavy Mineral Sands Project, drilling to date, red holes are post the last resource update (reported to the ASX 11th of February 2019*).

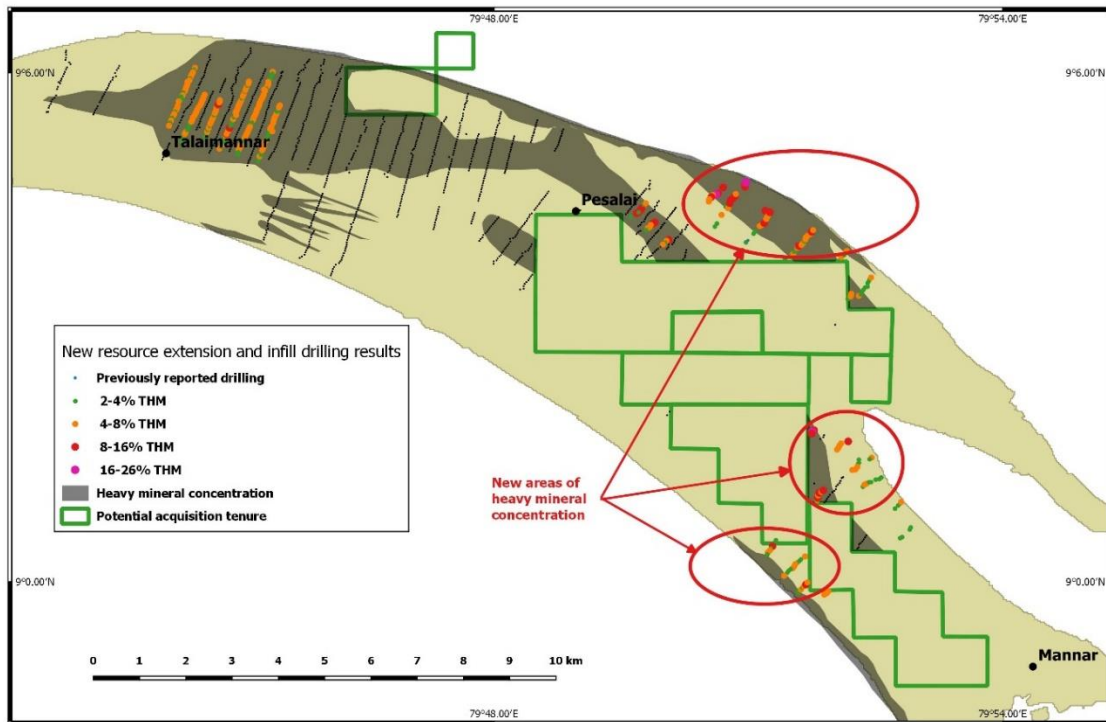


Figure 2 Resource infill and extension drilling results reported here are post the last resource update (reported to the ASX 11th of February 2019*).

Drill hole collar locations and intercepts are contained in Appendix 1. Drill hole numbers and locations are shown in Figures 3, 4 and 5. JORC compliance tables relevant to the drilling, and sampling are contained in Appendix 2.

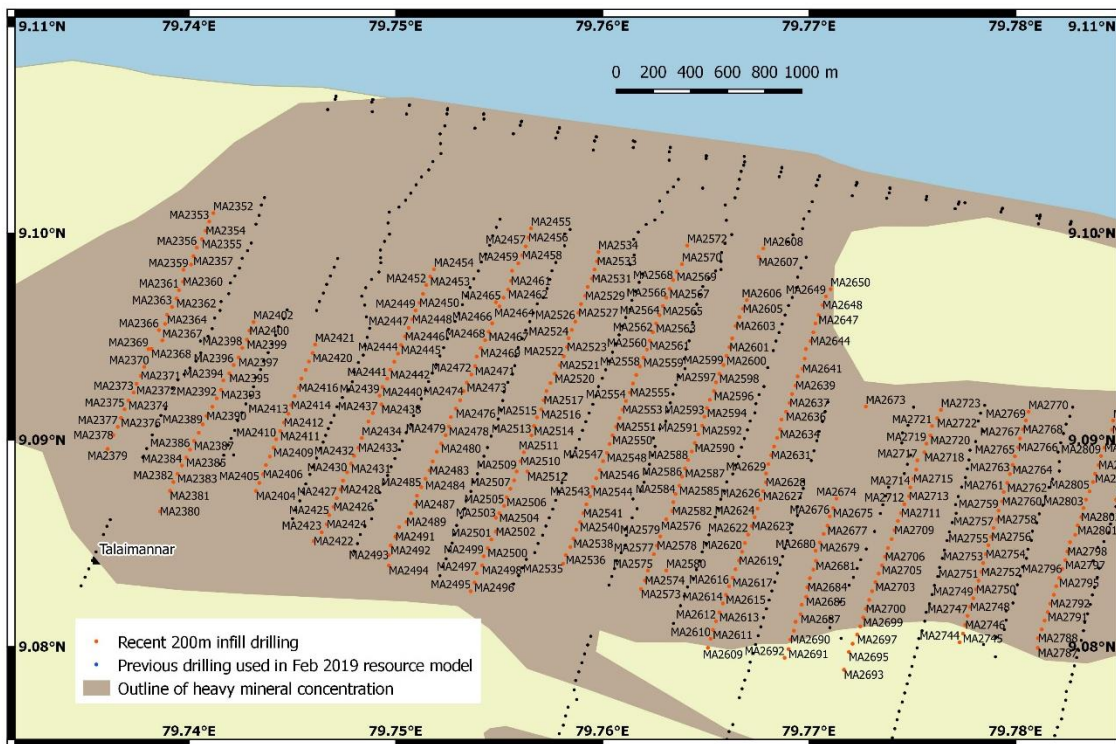


Figure 3 Drill hole locations, western section.

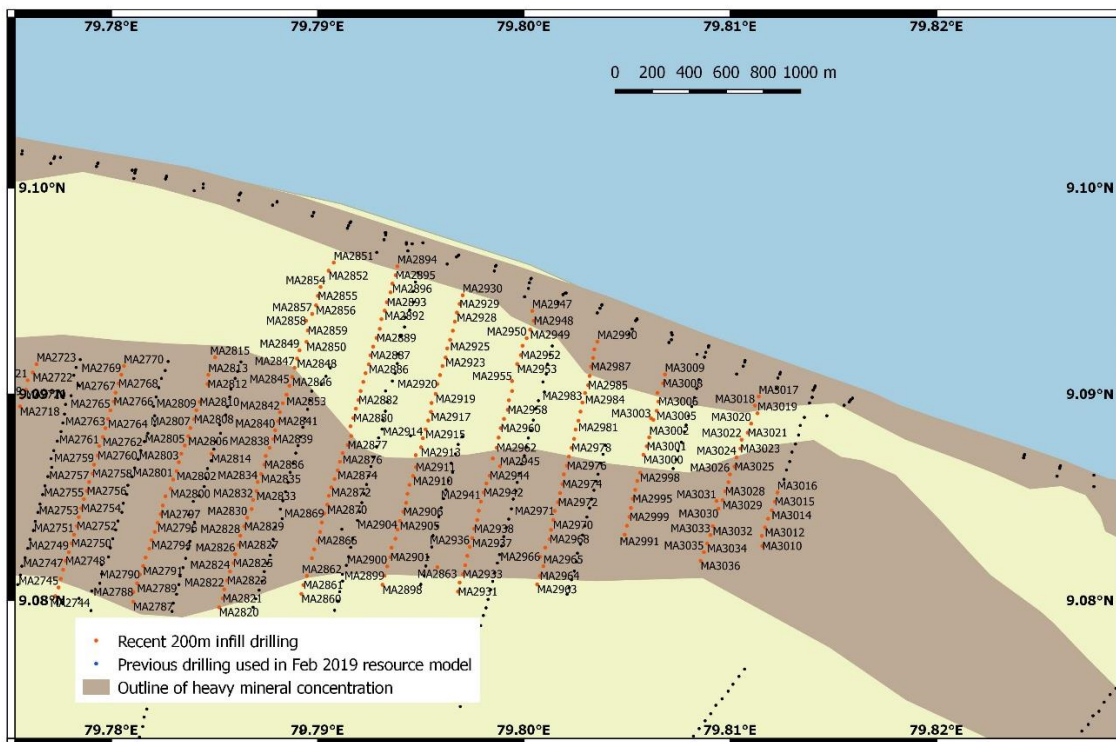


Figure 4 Drill hole locations, central section.

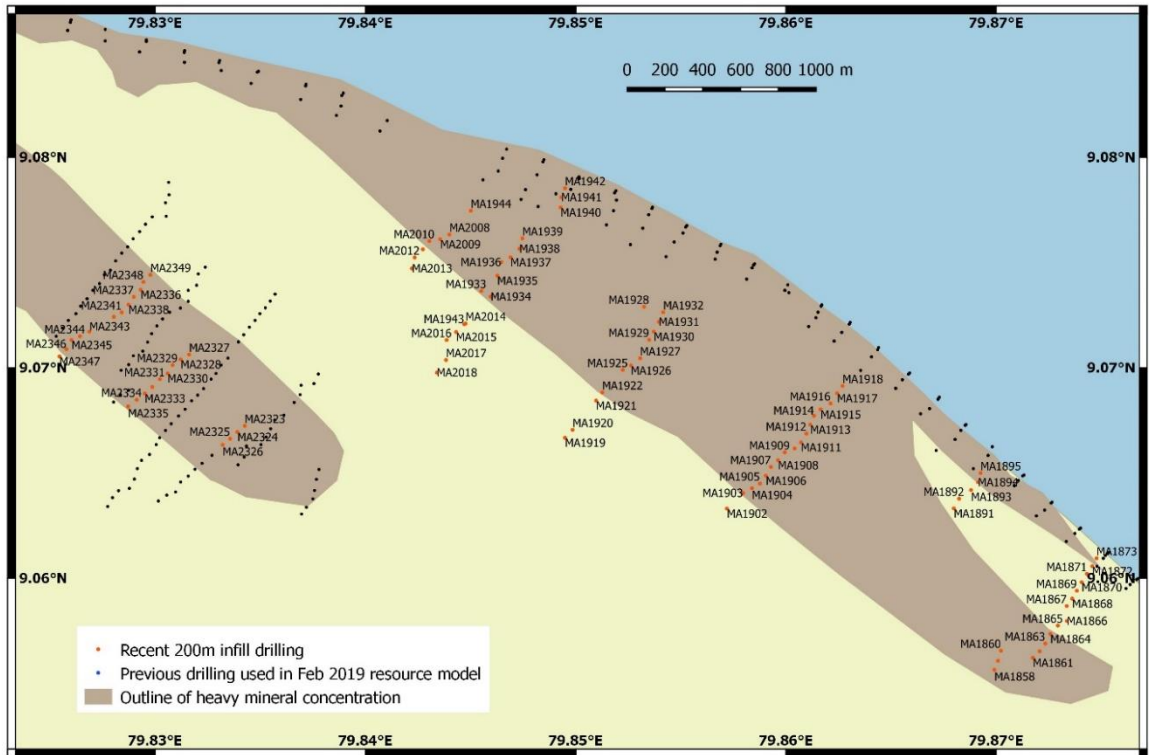


Figure 5 Drill hole locations eastern section.

Competent Persons and Compliance Statements

Except where indicated, exploration results above have been reviewed and compiled by James Searle BSc (hons), PhD, a Competent Person who is a Member of the Australian Institute of Mining and Metallurgy, with over 37 years of experience in metallic and energy minerals exploration and development, and as such has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Dr Searle is the Managing Director of Titanium Sands Limited and consents to the inclusion of this technical information in the format and context in which it appears.

Previously Reported Information Footnotes

This report includes information that relates to Exploration Results and Mineral Resources prepared and first disclosed under JORC Code 2012. The information was extracted from the Company's previous ASX announcements as follows:

* A resource update in full compliance with JORC 2012 requirements titled "*Titanium Sands Triples Heavy Mineral Sands JORC Resources*" announced to the ASX on 11 February 2019.

**A drilling update in compliance with JORC exploration reporting guidelines entitled "*Mannar Island Mineral Sands Project Drilling Update*" announced to ASX on 2 April 2019.

These announcements are available to view on the Company's website www.titaniumsands.com.au

The Company confirms that it is not aware of any new information or data that materially affect the information included in the relevant market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply with respect to the resource block model and total heavy mineral content and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the relevant original market announcements.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning the Company's planned exploration program and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "expect," "intend," "may", "potential," "should," "further" and similar expressions are forward-looking statements. Although the Company believes that its expectations reflected in these forward- looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that further exploration will result in additional Mineral Resources.

APPENDIX 1

Tabulation of all drill hole results reported in this announcement with intercepts of 2% to 24% THM (total heavy mineral). All holes are vertical. All intercepts are from surface. Elevation of the drill collars have not been surveyed but will in due course be correlated with a digital terrain model (DTM). Drill hole locations and numbers are shown in Figures 3, 4 and 5 above.

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA1857	M	1857	9.0556	79.8695	3.51	1.0
MA1858	M	1858	9.0557	79.8699	2.76	1.5
MA1859	M	1859	9.0561	79.8701	4.66	1.5
MA1860	M	1860	9.0566	79.8702	5.47	1.0
MA1861	M	1861	9.0562	79.8717	6.06	1.5
MA1862	M	1862	9.0565	79.8721	3.25	1.0
MA1863	M	1863	9.0569	79.8723	3.50	1.0
MA1864	M	1864	9.0574	79.8726	2.50	0.5
MA1865	M	1865	9.0578	79.8729	2.20	0.5
MA1866	M	1866	9.0580	79.8734	2.01	0.7
MA1867	M	1867	9.0587	79.8734	2.06	0.5
MA1868	M	1868	9.0590	79.8736	2.27	0.5
MA1869	M	1869	9.0594	79.8738	3.59	0.5
MA1870	M	1870	9.0598	79.8741	4.28	0.9
MA1892	M	1892	9.0638	79.8682	4.43	0.6
MA1893	M	1893	9.0642	79.8688	3.83	0.5
MA1894	M	1894	9.0646	79.8691	3.11	0.3
MA1895	M	1895	9.0650	79.8693	5.24	0.5
MA1904	M	1904	9.0643	79.8584	3.49	1.0
MA1905	M	1905	9.0645	79.8588	5.64	1.0
MA1906	M	1906	9.0649	79.8590	3.74	1.0
MA1907	M	1907	9.0653	79.8593	3.41	1.5
MA1908	M	1908	9.0656	79.8596	4.22	1.6
MA1909	M	1909	9.0660	79.8599	10.15	1.9
MA1910	M	1910	9.0662	79.8604	7.58	1.7
MA1911	M	1911	9.0665	79.8607	5.62	1.9
MA1912	M	1912	9.0669	79.8610	2.36	1.6
MA1913	M	1913	9.0673	79.8612	4.35	1.9
MA1914	M	1914	9.0677	79.8613	7.62	1.6
MA1915	M	1915	9.0680	79.8616	5.04	1.0
MA1916	M	1916	9.0683	79.8621	4.05	0.8
MA1917	M	1917	9.0688	79.8624	8.30	1.0
MA1918	M	1918	9.0691	79.8627	7.80	0.5
MA1919	M	1919	9.0667	79.8495	2.35	0.5
MA1920	M	1920	9.0671	79.8499	2.00	0.8
MA1921	M	1921	9.0684	79.8510	2.47	0.5
MA1922	M	1922	9.0688	79.8513	2.26	0.8
MA1925	M	1925	9.0699	79.8522	5.91	1.5

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA1926	M	1926	9.0701	79.8526	4.79	1.6
MA1927	M	1927	9.0705	79.8531	9.51	2.0
MA1928	M	1928	9.0729	79.8533	9.77	2.0
MA1929	M	1929	9.0713	79.8535	6.47	1.3
MA1930	M	1930	9.0717	79.8537	6.65	1.4
MA1931	M	1931	9.0722	79.8540	5.53	1.0
MA1932	M	1932	9.0726	79.8542	9.53	1.4
MA1933	M	1933	9.0737	79.8455	3.36	1.7
MA1934	M	1934	9.0734	79.8460	4.24	2.3
MA1935	M	1935	9.0744	79.8463	8.78	1.4
MA1936	M	1936	9.0750	79.8465	9.89	1.5
MA1937	M	1937	9.0753	79.8469	11.12	1.5
MA1938	M	1938	9.0757	79.8473	10.19	0.9
MA1939	M	1939	9.0762	79.8475	6.27	1.3
MA1940	M	1940	9.0776	79.8493	13.47	1.1
MA1941	M	1941	9.0781	79.8493	15.67	1.1
MA1942	M	1942	9.0785	79.8495	25.39	1.4
MA1943	M	1943	9.0721	79.8447	7.34	0.8
MA1944	M	1944	9.0775	79.8450	9.04	0.8
MA1957	M	1957	9.0078	79.8552	2.57	1.0
MA1958	M	1958	9.0074	79.8549	4.00	0.5
MA1959	M	1959	9.0070	79.8547	12.20	1.5
MA1960	M	1960	9.0066	79.8544	2.15	1.0
MA1961	M	1961	9.0062	79.8542	4.54	1.5
MA1962	M	1962	9.0058	79.8538	4.08	1.0
MA1963	M	1963	9.0054	79.8537	2.15	1.0
MA1969	M	1969	9.0050	79.8611	4.84	1.8
MA1971	M	1971	9.0044	79.8603	2.66	0.5
MA1972	M	1972	9.0041	79.8600	2.77	0.5
MA1973	M	1973	9.0038	79.8596	3.20	0.5
MA1974	M	1974	9.0035	79.8592	4.05	1.6
MA1975	M	1975	9.0031	79.8590	7.22	1.5
MA1976	M	1976	9.0027	79.8587	5.57	0.5
MA1977	M	1977	9.0025	79.8583	3.95	1.0
MA1978	M	1978	9.0022	79.8579	3.99	1.5
MA1979	M	1979	9.0018	79.8576	3.33	1.0
MA1981	M	1981	9.0012	79.8570	5.16	1.0
MA1983	M	1983	8.9979	79.8597	3.86	1.0
MA1984	M	1984	8.9983	79.8599	3.80	0.9
MA1985	M	1985	8.9985	79.8603	5.46	1.0
MA1986	M	1986	8.9989	79.8606	3.82	1.1
MA1987	M	1987	8.9992	79.8609	5.59	2.0
MA1988	M	1988	8.9995	79.8613	8.78	1.5
MA1989	M	1989	8.9999	79.8616	4.32	1.5

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA1990	M	1990	9.0002	79.8620	7.93	0.5
MA2004	M	2004	8.9985	79.8660	4.39	1.5
MA2005	M	2005	8.9982	79.8657	4.72	1.6
MA2006	M	2006	8.9978	79.8654	4.35	0.5
MA2007	M	2007	8.9975	79.8649	6.35	1.4
MA2008	M	2008	9.0763	79.8440	14.01	1.3
MA2009	M	2009	9.0761	79.8436	16.66	1.5
MA2010	M	2010	9.0760	79.8430	5.67	1.6
MA2011	M	2011	9.0756	79.8427	11.28	1.6
MA2012	M	2012	9.0752	79.8423	5.01	1.5
MA2013	M	2013	9.0747	79.8422	4.51	1.0
MA2017	M	2017	9.0704	79.8438	2.98	1.5
MA2018	M	2018	9.0698	79.8434	2.98	1.7
MA2019	M	2019	9.0260	79.8674	7.19	1.5
MA2020	M	2020	9.0264	79.8677	6.87	2.0
MA2021	M	2021	9.0268	79.8679	7.08	3.5
MA2022	M	2022	9.0272	79.8682	5.87	3.8
MA2023	M	2023	9.0276	79.8696	8.59	3.3
MA2024	M	2024	9.0244	79.8742	4.43	1.5
MA2025	M	2025	9.0241	79.8738	2.06	0.5
MA2028	M	2028	9.0240	79.8717	2.67	0.5
MA2029	M	2029	9.0234	79.8717	3.19	1.0
MA2030	M	2030	9.0231	79.8715	2.12	2.0
MA2031	M	2031	9.0226	79.8714	5.72	1.0
MA2032	M	2032	9.0221	79.8710	4.78	1.0
MA2033	M	2033	9.0220	79.8704	7.58	2.3
MA2034	M	2034	9.0187	79.8725	3.43	0.5
MA2035	M	2035	9.0191	79.8728	4.92	1.0
MA2036	M	2036	9.0193	79.8732	6.09	0.5
MA2037	M	2037	9.0196	79.8737	3.86	1.0
MA2038	M	2038	9.0196	79.8741	2.03	0.5
MA2040	M	2040	9.0201	79.8750	2.11	0.5
MA2041	M	2041	9.0202	79.8757	2.51	1.0
MA2042	M	2042	9.0205	79.8761	2.81	1.0
MA2045	M	2045	9.0144	79.8788	2.35	2.8
MA2047	M	2047	9.0150	79.8794	2.62	2.5
MA2048	M	2048	9.0154	79.8798	3.42	0.5
MA2049	M	2049	9.0157	79.8800	4.88	1.0
MA2050	M	2050	9.0086	79.8798	2.31	0.5
MA2051	M	2051	9.0088	79.8802	2.41	1.0
MA2054	M	2054	9.0103	79.8817	2.69	0.5
MA2055	M	2055	9.0107	79.8819	2.48	1.0
MA2165	M	2165	9.0298	79.8629	13.20	1.5
MA2166	M	2166	9.0295	79.8625	19.59	2.5

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA2167	M	2167	9.0291	79.8624	11.51	2.4
MA2168	M	2168	9.0287	79.8622	8.68	2.2
MA2169	M	2169	9.0282	79.8620	15.57	2.5
MA2190	M	2190	9.0202	79.8618	3.60	1.5
MA2191	M	2191	9.0196	79.8615	3.86	1.5
MA2216	M	2216	9.0165	79.8636	8.48	2.0
MA2217	M	2217	9.0170	79.8637	4.27	1.0
MA2218	M	2218	9.0175	79.8639	8.10	2.0
MA2219	M	2219	9.0177	79.8643	7.30	1.5
MA2220	M	2220	9.0180	79.8647	12.85	2.0
MA2221	M	2221	9.0075	79.8616	4.58	1.0
MA2286	M	2286	9.0091	79.8710	6.11	2.6
MA2287	M	2287	9.0095	79.8719	16.60	2.8
MA2288	M	2288	9.0099	79.8721	13.12	2.8
MA2323	M	2323	9.0672	79.8343	8.77	3.2
MA2324	M	2324	9.0670	79.8339	4.81	1.5
MA2325	M	2325	9.0666	79.8336	2.80	2.5
MA2326	M	2326	9.0663	79.8332	4.20	1.5
MA2327	M	2327	9.0706	79.8316	9.16	2.7
MA2328	M	2328	9.0704	79.8312	9.28	2.5
MA2329	M	2329	9.0701	79.8308	4.02	1.5
MA2330	M	2330	9.0697	79.8306	5.86	1.5
MA2331	M	2331	9.0695	79.8302	6.59	1.5
MA2332	M	2332	9.0691	79.8299	3.54	1.0
MA2336	M	2336	9.0737	79.8293	5.28	1.5
MA2337	M	2337	9.0734	79.8290	10.88	2.7
MA2338	M	2338	9.0730	79.8287	14.68	2.1
MA2339	M	2339	9.0726	79.8284	10.58	2.7
MA2340	M	2340	9.0724	79.8280	9.12	2.5
MA2341	M	2341	9.0726	79.8284	2.77	1.0
MA2343	M	2343	9.0717	79.8269	2.29	1.5
MA2348	M	2348	9.0741	79.8294	3.97	2.5
MA2349	M	2349	9.0744	79.8298	7.67	2.5
MA2352	M	2352	9.1010	79.7412	5.87	2.6
MA2353	M	2353	9.1006	79.7410	3.42	2.2
MA2354	M	2354	9.1001	79.7408	4.61	2.5
MA2355	M	2355	9.0997	79.7406	4.22	2.2
MA2356	M	2356	9.0993	79.7404	4.96	2.8
MA2357	M	2357	9.0989	79.7402	3.37	2.0
MA2358	M	2358	9.0985	79.7401	5.21	2.6
MA2359	M	2359	9.0982	79.7397	4.72	1.8
MA2360	M	2360	9.0977	79.7397	6.73	2.3
MA2361	M	2361	9.0973	79.7395	4.24	1.0
MA2362	M	2362	9.0969	79.7394	5.59	1.0

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA2363	M	2363	9.0964	79.7392	4.06	1.0
MA2364	M	2364	9.0961	79.7389	3.96	0.5
MA2365	M	2365	9.0956	79.7388	5.87	1.5
MA2366	M	2366	9.0953	79.7385	3.81	1.5
MA2367	M	2367	9.0948	79.7387	3.33	1.0
MA2368	M	2368	9.0944	79.7382	3.52	1.5
MA2369	M	2369	9.0944	79.7380	5.26	1.5
MA2370	M	2370	9.0935	79.7378	7.56	1.0
MA2371	M	2371	9.0931	79.7377	4.41	3.4
MA2372	M	2372	9.0927	79.7375	5.17	1.5
MA2373	M	2373	9.0923	79.7373	2.98	2.5
MA2374	M	2374	9.0919	79.7371	4.73	2.0
MA2375	M	2375	9.0915	79.7369	5.82	2.0
MA2376	M	2376	9.0911	79.7367	3.17	1.0
MA2377	M	2377	9.0906	79.7365	4.09	1.0
MA2378	M	2378	9.0902	79.7363	3.35	1.5
MA2379	M	2379	9.0896	79.7361	5.92	0.5
MA2380	M	2380	9.0866	79.7386	2.89	1.0
MA2381	M	2381	9.0876	79.7391	3.81	1.0
MA2382	M	2382	9.0880	79.7392	4.47	1.0
MA2383	M	2383	9.0884	79.7394	5.47	0.5
MA2384	M	2384	9.0888	79.7397	3.34	1.0
MA2385	M	2385	9.0892	79.7399	2.78	1.5
MA2386	M	2386	9.0895	79.7400	3.22	1.5
MA2387	M	2387	9.0900	79.7402	2.34	0.5
MA2388	M	2388	9.0904	79.7405	4.41	1.5
MA2389	M	2389	9.0908	79.7407	5.94	1.5
MA2390	M	2390	9.0912	79.7408	6.27	1.0
MA2391	M	2391	9.0916	79.7411	6.30	1.0
MA2392	M	2392	9.0920	79.7413	5.38	0.5
MA2393	M	2393	9.0924	79.7415	5.35	1.1
MA2394	M	2394	9.0929	79.7417	5.72	1.5
MA2395	M	2395	9.0932	79.7419	6.16	1.6
MA2396	M	2396	9.0936	79.7422	4.94	2.0
MA2397	M	2397	9.0940	79.7424	6.95	1.0
MA2398	M	2398	9.0945	79.7426	5.13	1.0
MA2399	M	2399	9.0949	79.7428	6.13	1.5
MA2400	M	2400	9.0953	79.7429	4.16	1.0
MA2401	M	2401	9.0957	79.7431	5.70	0.5
MA2402	M	2402	9.0957	79.7431	4.16	1.5
MA2403	M	2403	9.0924	79.7415	4.94	2.0
MA2404	M	2404	9.0875	79.7432	3.32	2.0
MA2405	M	2405	9.0879	79.7434	3.71	1.0
MA2406	M	2406	9.0884	79.7436	4.11	1.0

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA2407	M	2407	9.0888	79.7437	2.52	0.5
MA2408	M	2408	9.0892	79.7439	4.59	1.5
MA2409	M	2409	9.0896	79.7441	3.82	1.5
MA2410	M	2410	9.0900	79.7442	4.47	1.0
MA2411	M	2411	9.0904	79.7444	5.00	1.5
MA2412	M	2412	9.0909	79.7446	5.48	1.2
MA2413	M	2413	9.0913	79.7448	6.22	1.0
MA2414	M	2414	9.0917	79.7449	3.89	1.0
MA2415	M	2415	9.0921	79.7451	5.81	0.5
MA2416	M	2416	9.0925	79.7453	4.85	2.0
MA2417	M	2417	9.0930	79.7454	4.82	1.0
MA2418	M	2418	9.0934	79.7456	3.92	1.0
MA2419	M	2419	9.0938	79.7458	8.12	1.0
MA2420	M	2420	9.0942	79.7460	7.04	1.0
MA2421	M	2421	9.0946	79.7461	4.91	1.0
MA2422	M	2422	9.0851	79.7460	4.15	1.0
MA2423	M	2423	9.0855	79.7464	3.14	1.0
MA2424	M	2424	9.0859	79.7467	4.16	1.0
MA2425	M	2425	9.0864	79.7468	3.84	1.0
MA2426	M	2426	9.0868	79.7470	3.85	1.0
MA2427	M	2427	9.0872	79.7471	3.89	1.0
MA2428	M	2428	9.0876	79.7473	4.27	1.0
MA2429	M	2429	9.0880	79.7474	8.17	1.0
MA2430	M	2430	9.0884	79.7476	4.06	1.0
MA2431	M	2431	9.0889	79.7478	3.85	1.5
MA2432	M	2432	9.0892	79.7480	8.37	1.0
MA2433	M	2433	9.0896	79.7482	3.65	0.5
MA2434	M	2434	9.0901	79.7484	2.86	1.5
MA2435	M	2435	9.0880	79.7474	5.50	1.0
MA2436	M	2436	9.0909	79.7487	4.74	1.5
MA2437	M	2437	9.0913	79.7489	3.22	1.0
MA2438	M	2438	9.0917	79.7493	4.11	1.0
MA2439	M	2439	9.0922	79.7492	5.33	2.0
MA2440	M	2440	9.0926	79.7494	4.07	0.5
MA2441	M	2441	9.0930	79.7496	5.68	0.5
MA2442	M	2442	9.0934	79.7497	7.18	0.5
MA2443	M	2443	9.0938	79.7499	5.83	0.5
MA2444	M	2444	9.0942	79.7501	4.20	1.0
MA2445	M	2445	9.0946	79.7503	5.45	0.5
MA2446	M	2446	9.0950	79.7504	3.78	0.5
MA2447	M	2447	9.0954	79.7506	4.71	1.0
MA2448	M	2448	9.0958	79.7508	4.26	1.0
MA2449	M	2449	9.0963	79.7510	3.11	1.0
MA2450	M	2450	9.0966	79.7511	6.89	0.5

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA2451	M	2451	9.0971	79.7513	5.55	0.5
MA2452	M	2452	9.0975	79.7515	2.71	2.0
MA2453	M	2453	9.0979	79.7517	5.03	0.5
MA2454	M	2454	9.0983	79.7518	4.36	0.5
MA2455	M	2455	9.1002	79.7565	4.78	5.0
MA2456	M	2456	9.0998	79.7564	2.81	3.2
MA2457	M	2457	9.0994	79.7563	3.34	3.4
MA2458	M	2458	9.0989	79.7561	3.94	2.1
MA2459	M	2459	9.0986	79.7559	3.84	1.5
MA2460	M	2460	9.0982	79.7556	5.50	2.5
MA2461	M	2461	9.0977	79.7556	5.92	0.5
MA2462	M	2462	9.0973	79.7554	6.52	1.0
MA2463	M	2463	9.0969	79.7552	3.01	1.0
MA2464	M	2464	9.0965	79.7550	7.29	1.0
MA2465	M	2465	9.0967	79.7548	4.34	2.0
MA2466	M	2466	9.0957	79.7547	6.03	1.0
MA2467	M	2467	9.0952	79.7545	5.49	0.5
MA2468	M	2468	9.0948	79.7543	6.36	1.0
MA2469	M	2469	9.0945	79.7541	4.37	1.0
MA2470	M	2470	9.0940	79.7539	7.19	1.0
MA2471	M	2471	9.0936	79.7538	5.68	1.0
MA2472	M	2472	9.0932	79.7537	4.38	1.0
MA2473	M	2473	9.0928	79.7534	4.12	1.6
MA2474	M	2474	9.0924	79.7533	5.87	1.5
MA2475	M	2475	9.0919	79.7531	6.82	1.0
MA2476	M	2476	9.0915	79.7529	4.24	2.0
MA2477	M	2477	9.0911	79.7527	7.09	1.0
MA2478	M	2478	9.0907	79.7526	4.90	1.5
MA2479	M	2479	9.0902	79.7524	3.88	1.0
MA2480	M	2480	9.0898	79.7522	3.82	1.0
MA2481	M	2481	9.0894	79.7520	4.18	1.0
MA2482	M	2482	9.0890	79.7518	6.74	1.0
MA2483	M	2483	9.0885	79.7516	6.16	1.1
MA2484	M	2484	9.0881	79.7514	4.45	1.0
MA2485	M	2485	9.0877	79.7512	4.66	1.5
MA2486	M	2486	9.0873	79.7510	4.92	1.5
MA2487	M	2487	9.0869	79.7509	6.98	2.0
MA2488	M	2488	9.0865	79.7507	3.42	1.3
MA2489	M	2489	9.0860	79.7505	3.47	1.1
MA2490	M	2490	9.0858	79.7502	4.41	1.5
MA2491	M	2491	9.0853	79.7500	4.40	1.1
MA2492	M	2492	9.0849	79.7498	4.87	1.0
MA2493	M	2493	9.0844	79.7497	3.65	1.1
MA2494	M	2494	9.0839	79.7497	3.07	1.0

DH ID			WGS84 N	WGS84 E	>2% THM	Int. m
MA2495	M	2495	9.0827	79.7536	2.31	0.5
MA2496	M	2496	9.0831	79.7538	2.58	1.0
MA2497	M	2497	9.0836	79.7539	4.19	1.0
MA2498	M	2498	9.0839	79.7542	3.60	0.5
MA2499	M	2499	9.0844	79.7543	4.00	1.0
MA2500	M	2500	9.0848	79.7544	4.07	1.0
MA2501	M	2501	9.0852	79.7546	4.74	5.0
MA2502	M	2502	9.0856	79.7548	7.07	2.5
MA2503	M	2503	9.0862	79.7548	4.63	1.5
MA2504	M	2504	9.0865	79.7550	3.54	2.0
MA2505	M	2505	9.0868	79.7552	4.64	2.0
MA2506	M	2506	9.0872	79.7554	3.58	2.0
MA2507	M	2507	9.0876	79.7555	3.03	1.5
MA2508	M	2508	9.0881	79.7557	2.39	1.5
MA2509	M	2509	9.0885	79.7558	3.24	1.5
MA2510	M	2510	9.0890	79.7560	5.41	0.5
MA2511	M	2511	9.0894	79.7562	4.78	1.0
MA2512	M	2512	9.0885	79.7564	4.29	0.7
MA2513	M	2513	9.0902	79.7566	4.57	1.0
MA2514	M	2514	9.0907	79.7567	4.94	1.5
MA2515	M	2515	9.0911	79.7568	4.90	1.5
MA2516	M	2516	9.0915	79.7570	4.03	1.5
MA2517	M	2517	9.0919	79.7572	6.75	1.0
MA2518	M	2518	9.0924	79.7573	2.79	3.0
MA2519	M	2519	9.0928	79.7575	3.16	3.0
MA2520	M	2520	9.0932	79.7577	5.38	5.0
MA2521	M	2521	9.0936	79.7579	5.13	1.0

Appendix 2
JORC TABLE 1

Section 1 Sampling Techniques and Data

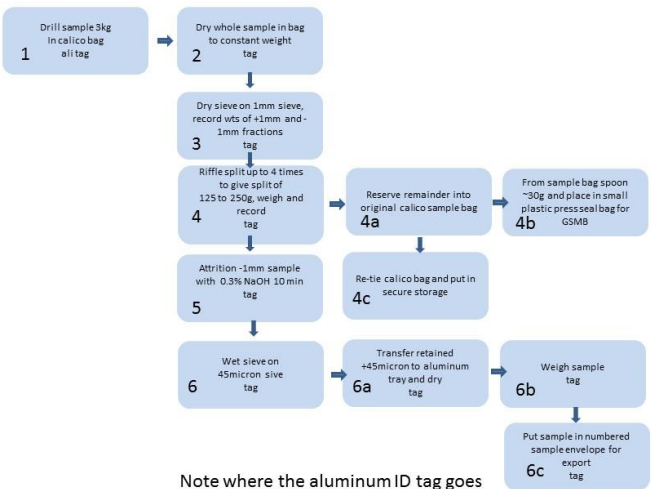
(Criteria in this section apply to all succeeding sections.)

The drilling was undertaken by Sri Lankan geologists and a drilling team supervised and directed by Dr James Searle Managing Director of The Company, BSc (hons), PhD, a Member of the Australian Institute of Mining and Metallurgy. Dr Searle is responsible for the compiled JORC compliance tabulated below as well as the technical summaries and descriptions contained in the body of this announcement. Dr Searle has over 37 years of experience in metallic and energy minerals exploration and development, and has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Dr Searle consents to inclusion of this information in the format and context in which it appears.

Criteria	Explanation	Commentary
<i>Sampling techniques</i>	<ul style="list-style-type: none"> • Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. • Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the 	<ul style="list-style-type: none"> • 100% of recovered sample collected and bagged at drill site. • Sample interval down hole every 0.5m or part interval. • No sampling below water table.

Criteria	Explanation	Commentary
	<p>Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</p>	
<p><i>Drilling techniques</i></p>	<ul style="list-style-type: none"> • Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.). 	<ul style="list-style-type: none"> • Hand auger , vertical, Dormer type shell auger 75mm, 357 holes, maximum depth m • All holes vertical.

Criteria	Explanation	Commentary
<i>Drill sample recovery</i>	<ul style="list-style-type: none"> • Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	<ul style="list-style-type: none"> • Weight of sample recovered logged against estimate of 100% recovery weight. • For the hand auger holes, re-entry depth of auger tip noted against depth achieved before auger withdrawn to recover sample. Hole abandoned if more 3cm of fall back in hole noted.
<i>Logging</i>	<ul style="list-style-type: none"> • Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. • Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. • The total length and percentage of the relevant intersections logged. 	<ul style="list-style-type: none"> • Recovered samples logged in standardized format for all relevant visual parameters including sediment, rounding, sorting etc. • Logging of visual parameters qualitative but referenced to standard parameter sheets. • All drill hole samples logged at drill site. • No sampling below the water table.
<i>Sub-sampling techniques and sample preparation</i>	<ul style="list-style-type: none"> • <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc. and whether</i> 	<ul style="list-style-type: none"> • Dried samples weighed and sieved to remove oversize (>1mm). • Oversize weighed. • Sub sample of 125 to 250g riffle split. • 12 chute riffle splitter. Sample loaded evenly into splitter on top of removable baffle to ensure optimal split across the splitter. • Sample deslimed (<45 micron). • Sample dried to constant weight and reweighed. • Custody chain of samples maintained from drill site to controlled storage.

Criteria	Explanation	Commentary
	<p>sampled wet or dry.</p> <ul style="list-style-type: none"> For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled. 	
<p>Quality of assay data and laboratory tests</p>	<ul style="list-style-type: none"> The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied 	<p>The initial drying (at between 80 to 105 degrees C via gas oven), de-sliming and oversize removal was conducted at the site Prep Facility on Mannar Island. The procedures are shown below.</p>  <pre> graph TD 1[1 Drill sample 3kg in calico bag all tag] --> 2[2 Dry whole sample in bag to constant weight tag] 2 --> 3[3 Dry sieve on 1mm sieve, record wts of +1mm and - 1mm fractions tag] 3 --> 4[4 Riffle split up to 4 times to give split of .125 to 250g, weigh and record tag] 4 --> 4a[4a Reserve remainder into original calico sample bag] 4 --> 4b[4b From sample bag spoon ~30g and place in small plastic press seal bag for GSMB] 4 --> 5[5 Attrition -1mm sample with 0.3% NaOH 10 min tag] 4a --> 4c[4c Re-tie calico bag and put in secure storage] 5 --> 6[6 Wet sieve on 45micron sieve tag] 6 --> 6a[6a Transfer retained +45micron to aluminum tray and dry tag] 6a --> 6b[6b Weigh sample tag] 6b --> 6c[6c Put sample in numbered sample envelope for export tag] </pre> <p>Note where the aluminum ID tag goes</p> <p>Analytical work on the tetra bromoethane (TBE) based THM determination and subsequent magnetic separation work was done by</p>

Criteria	Explanation	Commentary
	<p><i>and their derivation, etc.</i></p> <ul style="list-style-type: none"> • <i>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</i> 	<p>Scientific Services C.C., Cape Town. XRF work was done on the fractions of the magnetic separation samples</p> <ul style="list-style-type: none"> • The determination of THM % sample concentrate using TBE at a specific gravity (SG) of 2.95, are as follows: • TBE is placed into the glass flask up to the indicated mark. • Place approximate 1 scoop of sample into the flask. • Wash down the sides of the flask and impeller with TBE to ensure all material is in the TBE. • Run the mixer for about 10 seconds. • Wash down again to ensure no material is 'hung'. • Run the impeller mixer repeatable in 10 second bursts until sure that all heavies have been liberated. • Allow to stand for 5-10 minutes or until no more material cascades to bottom. • Once the discharge pipe is clear of suspended material release the tube to allow the concentrate to be captured in the filter paper. Store this labeled filter paper. • Process any remaining sample as above ensuring no concentrate is lost. • Finally flush out the floats by opening the tube and allowing the floats to fall into filter paper – allow this to stand capturing all the TBE which will be reused at a later stage. • Wash all concentrates and floats thoroughly with acetone to reclaim as much TBE as possible. • After the concentrate filter is acetone rinsed and dried, transfer the concentrate very carefully into a bag by opening the filter paper ensuring nothing is lost. • Place the floats into the waste drums unless specified by the client to do otherwise. • Check the SG of the TBE with the density tracers provided and re-use as appropriate.
<p><i>Verification of sampling and assaying</i></p>	<ul style="list-style-type: none"> • <i>The verification of significant intersections by either independent or alternative company personnel.</i> • <i>The use of twinned holes.</i> • <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> • <i>Discuss any adjustment to assay data.</i> 	<ul style="list-style-type: none"> • Verification procedures undertaken. 1. Independently supervised repeat drilling will twin between 5 and 10% of holes showing significant heavy mineral mineralisation. 2. One in 20 duplicate samples from splitting and sample preparation submitted for separate analysis.
<p><i>Location of data points</i></p>	<ul style="list-style-type: none"> • <i>Accuracy and quality of surveys</i> 	<ul style="list-style-type: none"> • Drill collars located using GPS WGD84 to an accuracy typically of better than + or- 5m

Criteria	Explanation	Commentary
	<p><i>used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i></p> <ul style="list-style-type: none"> • <i>Specification of the grid system used.</i> • <i>Quality and adequacy of topographic control.</i> 	<ul style="list-style-type: none"> • Topographic control to be determined from subsequent DTM tie in.
<i>Data spacing and distribution</i>	<ul style="list-style-type: none"> • <i>Data spacing for reporting of Exploration Results.</i> • <i>Whether the data spacing, and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i> • <i>Whether sample compositing has been applied.</i> 	<ul style="list-style-type: none"> • The resource drilling reported in this announcement has been designed to provide 400m separated lines and 50m hole separations.
<i>Orientation of data in relation to geological structure</i>	<ul style="list-style-type: none"> • <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> • <i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this</i> 	<ul style="list-style-type: none"> • Shoreline concentrated heavy minerals when preserved by net coastal progradation seaward form strands of mineralisation that can vary from 10s to hundreds of metres wide but many hundreds of metres and kilometres long. Drill lines are therefore optimally oriented across the trend direction of the paleo shoreline positions. Drill hole spacing along the lines were designed to find HM strands as narrow as 25 to 50m wide. Separation of the drill lines along the paleo shoreline orientations reflects the much greater along shore dimensions of any potentially economic strands.

Criteria	Explanation	Commentary
	<i>should be assessed and reported if material.</i>	
<i>Sample security</i>	<ul style="list-style-type: none"> <i>The measures taken to ensure sample security.</i> 	<ul style="list-style-type: none"> Custody of samples documented, and integrity of packaging monitored.
<i>Audits or reviews</i>	<ul style="list-style-type: none"> <i>The results of any audits or reviews of sampling techniques and data.</i> 	<ul style="list-style-type: none"> Duplicated sample splits and samples from twinned holes will be used to demonstrate QA/QC

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	Explanation	
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> <i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i> <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i> 	<ul style="list-style-type: none"> Granted exploration licenses. 5% royalty to vendor. 7%state royalty regime.
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> <i>Acknowledgment and appraisal of exploration by other parties.</i> 	<ul style="list-style-type: none"> None known.
<i>Geology</i>	<ul style="list-style-type: none"> <i>Deposit type, geological setting and style of mineralisation.</i> 	<ul style="list-style-type: none"> Holocene to Modern coastal sand deposit hosted heavy mineral sands
<i>Drill hole Information</i>	<ul style="list-style-type: none"> <i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i> <ul style="list-style-type: none"> <i>easting and northing of the drill hole collar</i> <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> <i>dip and azimuth of the hole</i> <i>down hole length and interception depth</i> <i>hole length.</i> <i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i> 	<ul style="list-style-type: none"> Tabulation of all drill hole information contained within Appendix 1 of the announcement above, with the exception of RL which will be provided later when a DTM is available. At this time collar elevation is considered not material due to the lack of significant elevation changes over the area.

Criteria	Explanation	
<i>Data aggregation methods</i>	<ul style="list-style-type: none"> • <i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</i> • <i>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i> • <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i> 	<ul style="list-style-type: none"> • <i>Intercepts calculated on the basis of total heavy mineral grades greater than or equal to 2% total heavy mineral.</i> • <i>No aggregation of sub grade results into reported intercepts.</i>
<i>Relationship between mineralisation widths and intercept lengths</i>	<ul style="list-style-type: none"> • <i>These relationships are particularly important in the reporting of Exploration Results.</i> • <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> • <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</i> 	<ul style="list-style-type: none"> • <i>Heavy mineral zones in beach sediments are flat or only very shallowly dipping. All drill holes were vertical.</i>
<i>Diagrams</i>	<ul style="list-style-type: none"> • <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i> 	<ul style="list-style-type: none"> • <i>Plans of drill hole locations historical and subject of this announcement are provided.</i> • <i>Sectional representations not considered relevant as the drill depths were rarely more than 3m.</i>
<i>Balanced reporting</i>	<ul style="list-style-type: none"> • <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced avoiding misleading reporting of Exploration Results.</i> 	<ul style="list-style-type: none"> • <i>All holes being reported on drilled on the stated tenure with locations shown in Figures 1 to 3.in the main text of the announcement. Collar positions and intercepts listed in Appendix 1</i>
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> • <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i> 	<ul style="list-style-type: none"> • <i>Not applicable.</i>
<i>Further work</i>	<ul style="list-style-type: none"> • <i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> • <i>Diagrams clearly highlighting the areas of possible extensions, including the</i> 	<ul style="list-style-type: none"> • <i>Further drilling will test lateral and depth extensions of the areas of mineralisation defined to date.</i>

Criteria	Explanation	
	<i>main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	