ASX RELEASE

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DUE DILIGENCE INVESTIGATIONS OF PROPOSED ACQUISITION CONFIRMS HIGH GRADE ZONE

- **Due Diligence on Mannar Island acquisition continues.**
- **Investigations have confirmed continuity of an 8km long and up to 2km wide high-grade zone through the acquisition tenure.**
- **Results include intercepts of up to 23% THM (total heavy minerals)**
- **Acquisition tenure resource report anticipated in the coming weeks.**

OVERVIEW

Titanium Sands Ltd (''The Company'') has previously announced (ASX announcement 15th July 2019*) that it has entered into a conditional sale agreement to acquire a group of companies that hold a substantive 38km^2 tenure package ("Acquisition Tenure") (Figure 1) that complements the Company's existing extensive tenure at Mannar Island in north west Sri Lanka.

Part of the due diligence investigations being undertaken by The Company has been to analyse further drill holes from the acquisition tenure in a zone of high grade heavy mineral sands defined by previous drilling and reported in the original proposed acquisition announcement (ASX announcement 15th July 2019*). A total of 329 drill holes were analysed (Figure 2). These due diligence results confirm the continuity of the high grade heavy mineral zone over a strike length of at least 8km and up to 2km wide through the acquisition tenure.

The high-grade zone in the acquisition tenure adjoins and extends the heavy mineral concentration zones in the existing Titanium Sands tenure (Figure 2).

Due diligence investigations are continuing and an extension of a further 30 days has been granted by the vendor to allow finalisation of a resource report as well as third party professional reports. The resource report will be announced to the market as it becomes available.

The due diligence drill hole intercepts and collar locations are shown in Figure 3 and tabulated in Appendix 1 and JORC compliance tables are included in Appendix 2.

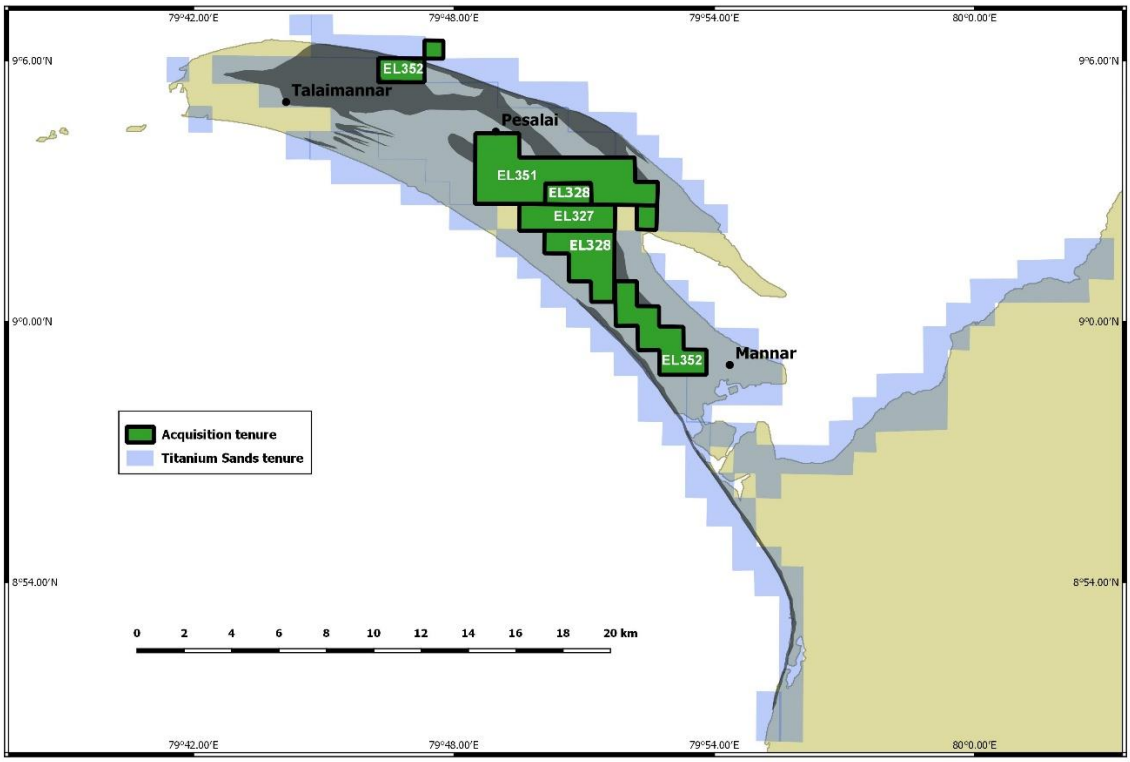


Figure 1 Existing Titanium Sands Ltd tenure over the Mannar Island Project and the Acquisition Tenure.

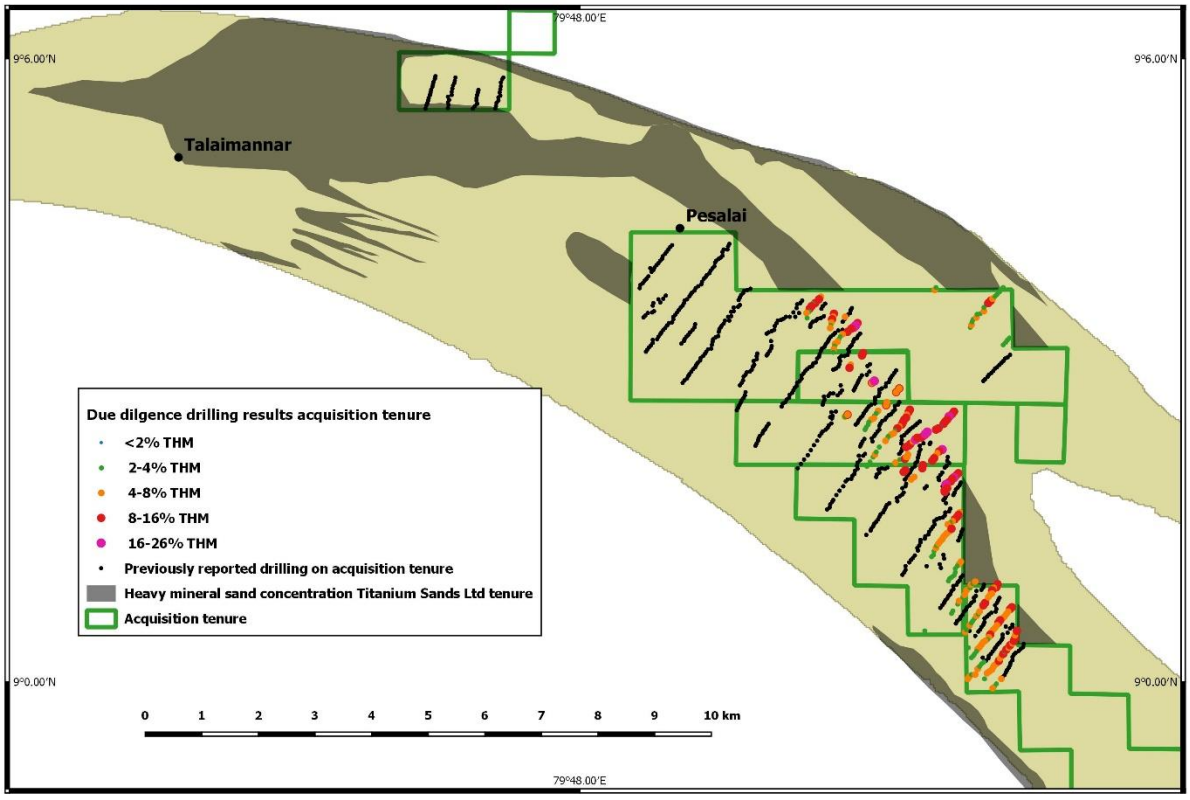


Figure 2 Due diligence drilling assay results on the acquisition tenure

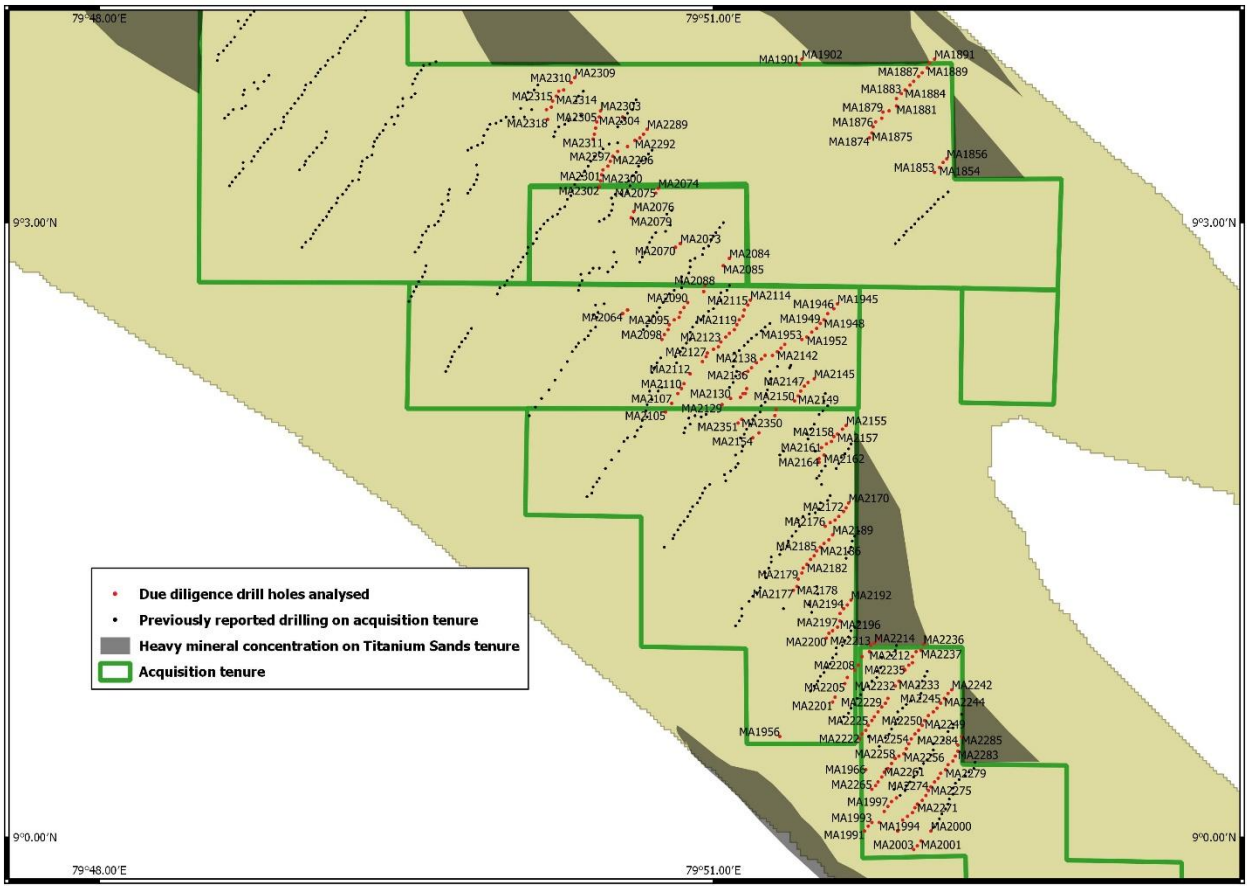


Figure 3 Locations and drill hole numbers listed in Appendix 1

COMPLIANCE STATEMENTS

* An announcement was made to the ASX on the 15th of July titled ***' Proposed acquisition of tenure with high grade heavy mineral sands.'***

Competent Person Statement

JORC compliance tabulations technical descriptions of the Mannar island Project and proposed programs have been prepared by James Searle BSc (hons), PhD, 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 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 and has compiled the JORC compliance tables in Appendix 2.

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 DUE DILIGENCE DRILL HOLE INFORMATION ON THE ACQUISITION TENURE

Tabulation of all due diligence drill holes on the tenure to be acquired with intercepts of 2% to 27% 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).

DH ID	WGS84 N	WGS84 E	>2% THM	Int. m
MA1853	9.0541	79.8680	3.8	1.0
MA1854	9.0545	79.8684	2.6	2.0
MA1855	9.0549	79.8687	4.0	1.0
MA1856	9.0552	79.8690	3.1	1.0
MA1874	9.0569	79.8627	2.1	1.4
MA1875	9.0573	79.8629	4.6	1.0
MA1876	9.0578	79.8630	2.4	1.6
MA1877	9.0582	79.8632	3.7	1.6
MA1878	9.0585	79.8637	4.0	0.7
MA1879	9.0590	79.8638	2.9	1.9
MA1880	9.0591	79.8643	3.2	2.2
MA1881	9.0595	79.8649	4.8	2.0
MA1882	9.0601	79.8649	2.8	1.0
MA1883	9.0605	79.8653	2.2	0.5
MA1884	9.0608	79.8656	8.8	1.8
MA1885	9.0612	79.8660	14.4	1.6
MA1886	9.0615	79.8663	5.7	1.5
MA1887	9.0619	79.8667	3.7	1.0
MA1888	9.0622	79.8670	2.8	1.0
MA1889	9.0626	79.8674	3.8	1.0
MA1890	9.0630	79.8676	2.8	0.9
MA1891	9.0633	79.8680	2.6	0.5
MA1901	9.0629	79.8570	7.0	2.0
MA1902	9.0633	79.8572	2.1	1.5
MA1945	9.0434	79.8601	15.9	4.0
MA1946	9.0430	79.8598	10.5	3.6
MA1947	9.0426	79.8593	18.8	2.8
MA1948	9.0421	79.8590	10.7	2.5
MA1949	9.0418	79.8587	12.6	2.5
MA1950	9.0414	79.8584	10.6	1.3
MA1951	9.0411	79.8580	1.9	2.2
MA1952	9.0407	79.8576	8.4	2.5
MA1953	9.0405	79.8572	9.2	2.5
MA1956	9.0082	79.8554	2.5	0.5
MA1966	9.0055	79.8624	2.5	1.0
MA1991	9.0005	79.8623	6.4	1.0
MA1992	9.0009	79.8626	6.4	1.0

DH ID	WGS84 N	WGS84 E	>2% THM	Int. m
MA1993	9.0012	79.8629	2.8	0.5
MA1994	9.0012	79.8635	5.3	0.5
MA1996	9.0021	79.8639	5.1	1.4
MA1997	9.0025	79.8642	3.0	0.5
MA1998	9.0029	79.8645	2.7	0.5
MA1999	9.0032	79.8649	3.4	1.7
MA2000	9.0005	79.8677	5.2	1.0
MA2001	8.9997	79.8669	2.8	0.5
MA2002	8.9993	79.8666	2.9	1.9
MA2003	8.9990	79.8663	4.9	1.5
MA2056	9.0426	79.8426	2.4	0.5
MA2057	9.0429	79.8430	2.6	1.0
MA2058	9.0426	79.8426	4.1	1.3
MA2059	9.0429	79.8430	2.2	1.0
MA2061	9.0429	79.8430	3.6	2.0
MA2062	9.0426	79.8426	5.6	2.5
MA2063	9.0429	79.8430	11.4	2.3
MA2064	9.0426	79.8426	3.2	1.5
MA2065	9.0429	79.8430	4.0	2.0
MA2066	9.0480	79.8469	5.5	2.5
MA2067	9.0483	79.8473	4.3	2.5
MA2068	9.0480	79.8469	7.1	2.0
MA2069	9.0483	79.8473	5.9	1.5
MA2070	9.0480	79.8469	11.0	2.6
MA2071	9.0483	79.8473	6.7	2.6
MA2072	9.0480	79.8469	7.3	2.5
MA2073	9.0483	79.8473	23.1	2.0
MA2074	9.0528	79.8455	9.7	2.0
MA2075	9.0524	79.8453	8.9	2.4
MA2076	9.0509	79.8435	7.1	1.5
MA2077	9.0504	79.8433	5.4	2.0
MA2078	9.0509	79.8435	8.0	2.9
MA2079	9.0504	79.8433	15.1	2.5
MA2080	9.0471	79.8513	10.2	2.9
MA2081	9.0465	79.8508	14.6	2.6
MA2082	9.0471	79.8513	10.9	2.5
MA2083	9.0465	79.8508	3.7	1.2
MA2084	9.0471	79.8513	4.8	2.5
MA2085	9.0465	79.8508	5.5	2.5
MA2086	9.0449	79.8493	6.6	1.6
MA2087	9.0444	79.8492	9.5	2.5
MA2088	9.0449	79.8493	6.9	2.0
MA2089	9.0444	79.8492	4.1	1.5
MA2090	9.0435	79.8479	7.2	2.0
MA2091	9.0431	79.8476	2.9	1.5

DH ID	WGS84 N	WGS84 E	>2% THM	Int. m
MA2092	9.0427	79.8473	2.5	1.0
MA2093	9.0423	79.8472	7.0	1.0
MA2094	9.0421	79.8468	4.9	1.0
MA2095	9.0417	79.8464	3.9	1.0
MA2096	9.0413	79.8463	2.3	1.5
MA2097	9.0409	79.8460	2.5	0.5
MA2098	9.0405	79.8458	3.6	1.5
MA2105	9.0346	79.8461	2.3	1.5
MA2107	9.0353	79.8466	3.8	1.0
MA2109	9.0361	79.8471	2.8	1.5
MA2110	9.0365	79.8474	4.4	1.5
MA2111	9.0369	79.8476	2.2	0.5
MA2112	9.0377	79.8481	2.8	1.0
MA2113	9.0377	79.8481	3.8	0.5
MA2114	9.0437	79.8530	12.8	2.5
MA2115	9.0433	79.8528	11.3	2.7
MA2116	9.0429	79.8525	7.2	2.0
MA2117	9.0424	79.8524	14.3	2.1
MA2118	9.0421	79.8521	13.9	2.2
MA2119	9.0417	79.8519	13.9	2.5
MA2120	9.0413	79.8517	11.2	0.5
MA2121	9.0410	79.8513	5.9	2.0
MA2122	9.0407	79.8510	11.2	1.5
MA2123	9.0403	79.8506	3.4	2.0
MA2124	9.0399	79.8504	7.3	1.5
MA2125	9.0397	79.8500	7.8	1.5
MA2126	9.0394	79.8495	3.4	1.0
MA2127	9.0391	79.8494	3.3	1.5
MA2128	9.0387	79.8491	5.7	1.0
MA2129	9.0352	79.8507	4.7	1.5
MA2130	9.0357	79.8514	2.9	0.5
MA2131	9.0358	79.8522	8.4	1.5
MA2132	9.0361	79.8526	6.7	1.5
MA2133	9.0365	79.8527	4.7	1.5
MA2134	9.0361	79.8524	4.9	1.5
MA2135	9.0377	79.8524	12.2	1.5
MA2136	9.0379	79.8528	8.7	2.5
MA2137	9.0382	79.8531	11.8	2.5
MA2138	9.0386	79.8535	7.3	1.5
MA2139	9.0389	79.8539	16.8	2.6
MA2140	9.0392	79.8542	8.3	2.5
MA2141	9.0392	79.8548	8.1	2.5
MA2142	9.0395	79.8552	8.3	2.6
MA2143	9.0398	79.8555	23.4	2.0
MA2144	9.0401	79.8558	17.6	2.5

DH ID	WGS84 N	WGS84 E	>2% THM	Int. m
MA2145	9.0373	79.8582	21.2	2.0
MA2146	9.0370	79.8577	9.1	2.5
MA2147	9.0367	79.8574	7.4	1.5
MA2148	9.0363	79.8571	7.3	2.0
MA2149	9.0359	79.8569	15.8	2.8
MA2150	9.0355	79.8566	11.1	2.3
MA2151	9.0348	79.8551	8.1	2.5
MA2152	9.0343	79.8550	8.7	2.5
MA2153	9.0329	79.8537	6.0	1.5
MA2154	9.0325	79.8532	5.7	2.0
MA2155	9.0335	79.8608	9.9	2.5
MA2156	9.0332	79.8605	10.2	2.8
MA2157	9.0328	79.8601	17.1	2.0
MA2158	9.0326	79.8598	9.3	2.6
MA2159	9.0322	79.8596	8.4	2.0
MA2160	9.0320	79.8592	12.8	2.8
MA2161	9.0317	79.8588	17.3	1.5
MA2162	9.0311	79.8590	11.0	2.6
MA2163	9.0308	79.8586	12.4	2.8
MA2164	9.0305	79.8586	12.0	2.6
MA2170	9.0272	79.8610	6.2	2.6
MA2171	9.0268	79.8608	11.2	2.6
MA2172	9.0265	79.8606	10.4	2.6
MA2173	9.0261	79.8602	14.8	2.6
MA2174	9.0258	79.8599	6.8	1.5
MA2175	9.0256	79.8595	3.1	1.5
MA2176	9.0253	79.8591	6.4	1.0
MA2177	9.0201	79.8565	2.6	1.5
MA2178	9.0204	79.8568	2.8	1.5
MA2179	9.0210	79.8569	3.4	1.5
MA2180	9.0215	79.8572	5.8	2.0
MA2181	9.0219	79.8573	3.2	1.5
MA2182	9.0222	79.8576	7.2	1.5
MA2183	9.0226	79.8579	5.1	1.5
MA2184	9.0229	79.8582	7.4	1.5
MA2185	9.0233	79.8584	5.3	1.5
MA2186	9.0236	79.8587	4.6	1.0
MA2187	9.0239	79.8590	7.1	2.0
MA2188	9.0242	79.8594	7.2	2.0
MA2189	9.0246	79.8597	9.1	2.5
MA2192	9.0193	79.8612	5.1	2.0
MA2193	9.0189	79.8609	4.6	1.5
MA2194	9.0186	79.8606	3.7	1.0
MA2195	9.0182	79.8603	3.6	2.0
MA2196	9.0176	79.8603	3.7	1.0

DH ID	WGS84 N	WGS84 E	>2% THM	Int. m
MA2197	9.0171	79.8601	3.6	1.5
MA2198	9.0168	79.8597	2.1	0.5
MA2199	9.0166	79.8594	2.4	1.0
MA2200	9.0162	79.8592	3.6	1.0
MA2201	9.0110	79.8597	3.7	1.5
MA2202	9.0114	79.8599	3.0	0.5
MA2205	9.0125	79.8607	3.9	2.0
MA2206	9.0130	79.8609	4.2	2.0
MA2208	9.0136	79.8615	3.8	2.0
MA2209	9.0140	79.8618	5.3	1.5
MA2210	9.0147	79.8621	4.4	1.5
MA2211	9.0147	79.8621	7.1	1.5
MA2212	9.0151	79.8627	3.4	1.5
MA2213	9.0156	79.8628	6.5	1.5
MA2214	9.0158	79.8631	3.5	1.4
MA2215	9.0161	79.8635	4.6	2.3
MA2222	9.0080	79.8619	4.2	1.5
MA2223	9.0084	79.8621	3.9	1.5
MA2224	9.0087	79.8624	3.4	1.5
MA2225	9.0091	79.8626	6.7	1.5
MA2226	9.0095	79.8629	3.4	0.5
MA2227	9.0098	79.8631	3.0	1.5
MA2228	9.0102	79.8634	2.1	1.5
MA2229	9.0106	79.8637	4.4	1.5
MA2230	9.0109	79.8640	3.8	2.0
MA2231	9.0113	79.8642	5.2	1.5
MA2232	9.0123	79.8648	8.4	1.5
MA2233	9.0127	79.8651	11.9	2.0
MA2234	9.0137	79.8655	3.7	1.5
MA2235	9.0136	79.8656	5.7	2.0
MA2236	9.0157	79.8671	9.3	2.5
MA2237	9.0152	79.8669	9.3	1.5
MA2238	9.0151	79.8665	6.9	2.4
MA2239	9.0147	79.8662	11.8	2.4
MA2240	9.0142	79.8662	5.4	1.5
MA2241	9.0140	79.8659	6.0	1.5
MA2242	9.0120	79.8694	14.8	2.7
MA2243	9.0117	79.8691	8.5	2.5
MA2244	9.0113	79.8688	5.2	2.5
MA2245	9.0109	79.8685	6.5	2.0
MA2246	9.0105	79.8682	6.2	2.7
MA2247	9.0102	79.8679	7.1	1.5
MA2248	9.0099	79.8675	13.3	2.0
MA2249	9.0095	79.8672	9.3	2.5
MA2250	9.0091	79.8670	6.1	2.0

DH ID	WGS84 N	WGS84 E	>2% THM	Int. m
MA2251	9.0087	79.8667	7.1	2.6
MA2252	9.0084	79.8664	7.9	2.0
MA2253	9.0080	79.8661	4.3	1.5
MA2254	9.0076	79.8659	9.7	2.0
MA2255	9.0072	79.8657	5.4	2.0
MA2256	9.0068	79.8655	3.1	2.0
MA2257	9.0066	79.8651	6.8	1.5
MA2258	9.0064	79.8648	4.3	1.5
MA2259	9.0060	79.8645	7.5	1.5
MA2260	9.0056	79.8642	4.9	2.0
MA2261	9.0053	79.8639	4.4	1.5
MA2262	9.0049	79.8637	2.4	2.0
MA2263	9.0045	79.8634	3.8	3.0
MA2264	9.0042	79.8632	2.6	1.2
MA2265	9.0039	79.8629	3.6	1.0
MA2266	9.0005	79.8650	2.9	1.0
MA2267	9.0014	79.8654	4.7	0.5
MA2268	9.0017	79.8658	4.5	1.0
MA2269	9.0020	79.8662	5.1	1.0
MA2270	9.0024	79.8664	6.5	1.5
MA2271	9.0027	79.8666	7.3	2.0
MA2272	9.0030	79.8670	5.9	2.0
MA2273	9.0034	79.8673	11.1	2.0
MA2274	9.0038	79.8675	4.6	1.5
MA2275	9.0041	79.8677	4.7	2.0
MA2276	9.0045	79.8680	11.2	1.5
MA2277	9.0048	79.8683	3.9	1.5
MA2278	9.0052	79.8685	9.7	1.5
MA2279	9.0055	79.8689	4.7	2.1
MA2280	9.0059	79.8691	8.5	4.0
MA2281	9.0062	79.8695	6.9	2.0
MA2282	9.0066	79.8697	8.3	2.0
MA2283	9.0070	79.8699	10.0	2.5
MA2284	9.0075	79.8699	5.5	1.5
MA2285	9.0082	79.8702	8.9	2.5
MA2289	9.0576	79.8446	11.5	3.4
MA2290	9.0572	79.8443	18.7	3.4
MA2291	9.0569	79.8440	17.4	2.5
MA2292	9.0567	79.8436	11.4	2.2
MA2293	9.0562	79.8430	14.3	3.0
MA2294	9.0586	79.8426	6.2	2.9
MA2295	9.0558	79.8422	7.3	2.4
MA2296	9.0554	79.8418	2.8	2.0
MA2297	9.0550	79.8416	3.5	2.0
MA2298	9.0546	79.8414	4.4	1.5

DH ID	WGS84 N	WGS84 E	>2% THM	Int. m
MA2299	9.0543	79.8410	6.8	2.5
MA2300	9.0539	79.8409	3.3	1.5
MA2301	9.0534	79.8408	4.3	2.0
MA2302	9.0529	79.8407	3.0	0.5
MA2303	9.0591	79.8408	9.6	2.7
MA2304	9.0586	79.8407	7.7	2.6
MA2305	9.0582	79.8405	11.8	2.8
MA2306	9.0577	79.8404	7.0	1.5
MA2307	9.0572	79.8403	3.4	1.5
MA2308	9.0568	79.8402	3.6	2.0
MA2309	9.0618	79.8387	4.8	1.5
MA2310	9.0614	79.8384	10.1	2.6
MA2311	9.0568	79.8402	7.5	2.0
MA2312	9.0608	79.8378	14.1	2.7
MA2313	9.0607	79.8374	2.1	1.5
MA2314	9.0603	79.8372	10.7	2.0
MA2315	9.0599	79.8369	10.8	1.5
MA2316	9.0594	79.8368	2.4	0.5
MA2317	9.0592	79.8364	6.6	1.5
MA2318	9.0584	79.8365	2.5	1.5
MA2350	9.0340	79.8523	9.1	2.5
MA2351	9.0337	79.8520	9.1	1.5

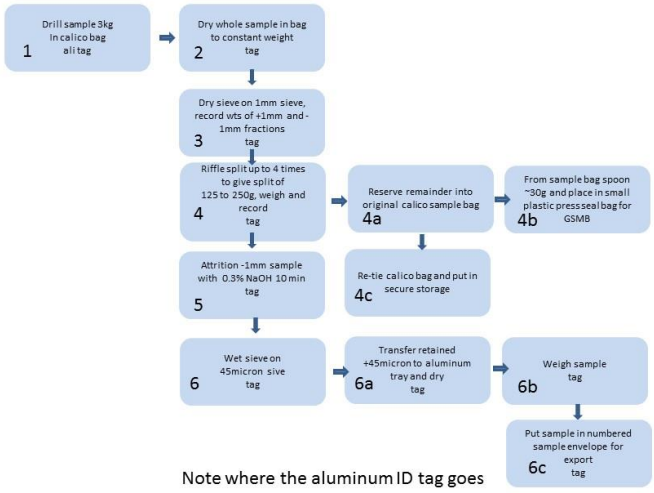
Appendix 2
JORC TABLE 1
Section 1 Sampling Techniques and Data
(Criteria in this section apply to all succeeding sections.)

The drilling forming part of the Titanium Sands Ltd due diligence on the Acquisition Tenure 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
Sampling techniques	• 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 Public Report. In cases where	• 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
	'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.	
5	• 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.).	• Hand auger , vertical, Dormer type shell auger 75mm, 329 holes, maximum depth 6m • All holes vertical.

Criteria	Explanation	Commentary
Drill sample recovery	• 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.	• 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.
Logging	• 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.	• 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.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.*	• 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
	• *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.*	
Quality of assay data and laboratory tests	• *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 and their derivation, etc.* • *Nature of quality control procedures adopted (e.g.*	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.  Analytical work on the tetra bromoethane (TBE) based THM determination and subsequent magnetic separation work was done by Scientific Services C.C., Cape Town. XRF work was done on the fractions of the magnetic separation samples

Criteria	Explanation	Commentary
	standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	• 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.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• 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.
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine*	• Drill collars located using GPS WGD84 to an accuracy typically of better than + or- 5m • Topographic control to be determined from subsequent DTM tie in.

Criteria	Explanation	Commentary
	workings and other locations used in Mineral Resource estimation. • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.* • *Whether sample compositing has been applied.*	• The resource drilling reported in this announcement has been designed to provide 400m separated lines and 50m hole separations.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• 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 or 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.
Sample security	• *The measures taken to ensure sample security.*	• Custody of samples documented, and integrity of packaging monitored.

Criteria	Explanation	Commentary
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• 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	
Mineral tenement and land tenure status	• *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.* • *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.*	• Granted exploration licenses. • 5% royalty to vendor • 7% state royalty regime.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• None known.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Holocene to Modern coastal sand deposit hosted heavy mineral sands

Drill hole Information	• *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:*
	  • *easting and northing of the drill hole collar*
	  • *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  • *dip and azimuth of the hole*
	  • *down hole length and interception depth*
	  • *hole length.*
	• *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.*
		• 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.

Data aggregation methods	• *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.* • *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*	• Intercepts calculated on the basis of total heavy mineral grades greater than or equal to 2% total heavy mineral. • No aggregation of sub grade results into reported intercepts.

Criteria	Explanation	
	some typical examples of such aggregations should be shown in detail. • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *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').*	• Heavy mineral zones in beach sediments are flat or only very shallowly dipping. All drill holes were vertical.
Diagrams	• *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.*	• Plans of drill hole locations historical and subject of this announcement are provided. • Sectional representations not considered relevant as the drill depths were rarely more than 3m.
Balanced reporting	• *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.*	• 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
Other substantive exploration data	• *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.*	• Not applicable.
Further work	• *The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Further drilling will test lateral and depth extensions of the areas of mineralisation defined to date.