



ASX Announcement
30 September 2026

Mzimba Phase 1 Sampling Results

Updated geological interpretation following regional soils and shallow pit testing

Mzimba Exploration Highlights

- A systematic Phase 1 exploration programme has been completed at Mzimba, progressing from historical data review and XRD mineralogical verification to regional soil sampling and shallow pit testing.
- Historical TiO₂ anomalies were confirmed to contain rutile by XRD.
- Follow-up work comprised 149 regional soil samples and 33 pit-channel samples, with magnetic and non-magnetic heavy-mineral fractions analysed by XRF.
- The soils define titanium enrichment over a wider area than the original XRD points, including two broad surface rutile-equivalent responses of approximately 16×2km and 13×2km, with peak calculated rutile-equivalent values of 0.69-0.71% and 0.61-0.70%, respectively.
- Magnetic titanium exceeds calculated rutile-equivalent in 112 of 149 soil samples. The working interpretation is now an ilmenite-dominant residual titanium system with localised rutile, rather than a high-grade natural rutile occurrence with minimal ilmenite.
- Shallow pits (generally to 5-6m) did not demonstrate high-grade rutile grade persistence with depth.
- The new data refines the Company's understanding of the mineralisation style at Mzimba. The project warrants a targeting reassessment before any next-phase work is designed. Near-term capital and technical priority remains focused on Cameroon.
- Engage with this announcement at the [Tusker Minerals Investor Hub](#)

Chief Executive Officer, Cliff Fitzhenry, commented:

"Phase 1 was designed to test whether the early XRD rutile confirmations represented a continuous, high-grade residual rutile system. The soils show titanium enrichment over a wider footprint than those first points, with rutile present but subordinate to magnetic titanium across most of the grid. Pit channels did not lift rutile grade with depth.

That is a different geological picture from the one implied by the initial mineralogical work alone. We will use the new assemblage and spatial data to reassess the model and targeting before committing to a further programme at Mzimba. In the meantime our field and capital focus remains on Cameroon."



Updated Interpretation of Mzimba Results

The Company's initial XRD work confirmed the presence of rutile in selected anomalous soil samples. At that stage the extent, continuity and titanium-mineral assemblage across the Mzimba licences were not known. Subsequent regional soils, magnetic / non-magnetic fraction analysis and shallow pit testing were undertaken to test whether the initial rutile occurrences represented a broader, continuous rutile-dominant system. The follow-up programme confirmed that rutile is present at Mzimba, with several localised surface anomalies. Those anomalies sit inside a more extensive titanium response that is predominantly magnetic (ilmenite-equivalent).

The current interpretation is a residual / eluvial heavy-mineral setting in weathered Irumide Belt gneiss, in which tropical weathering has concentrated titanium minerals in the near-surface profile. Within that setting, ilmenite is the dominant titanium phase at the scale of the wide-spaced 2km soil grid, with rutile occurring as localised surface lenses. Shallow pit testing of selected anomalies did not demonstrate the grade persistence required to move immediately to a drill programme. That conclusion is specific to the rutile-dominant discovery thesis tested in Phase 1. Titanium enrichment has nonetheless been mapped across a wider area than the initial XRD points.

What the soil results show

Regional soils were collected on an approximate 2km × 2km grid from residual regolith. Heavy-mineral concentrates were magnetically split and both fractions analysed by XRF at the Geological Survey Department, Zomba.

Calculated rutile-equivalent is localised. Two of the more coherent surface responses are on the order of 16×2km and 13×2km, with peaks of 0.69-0.71% and 0.61-0.70% rutile-equivalent (**Figure 1; Table 3**). Mean soil rutile-equivalent is approximately 0.08%, with a large population of samples at or near detection.

Calculated ilmenite-equivalent is more widespread and reaches materially higher values (soil mean approximately 0.55%, maximum 3.37%). Magnetic titanium exceeds rutile-equivalent in 112 of 149 samples. That contrast is the principal reason the geological model has been updated.

What the pits show

Thirty-three 1m channel samples were collected from hand-dug pits sited proximal to historical TiO₂ anomalies, generally to 5–6m depth. Calculated rutile-equivalent in pit channels peaks at 0.10% (PIT03, 0-1m - **Table 2**) and is commonly at or below 0.08% in the upper metres, falling further or remaining negligible with depth in several pits. Magnetic titanium is again the stronger signal in the majority of intervals assayed.

The pits were a test of near-surface persistence and not used as a substitute for drilling. They do not support an immediate rutile-focused drill programme on the Phase 1 anomalies.

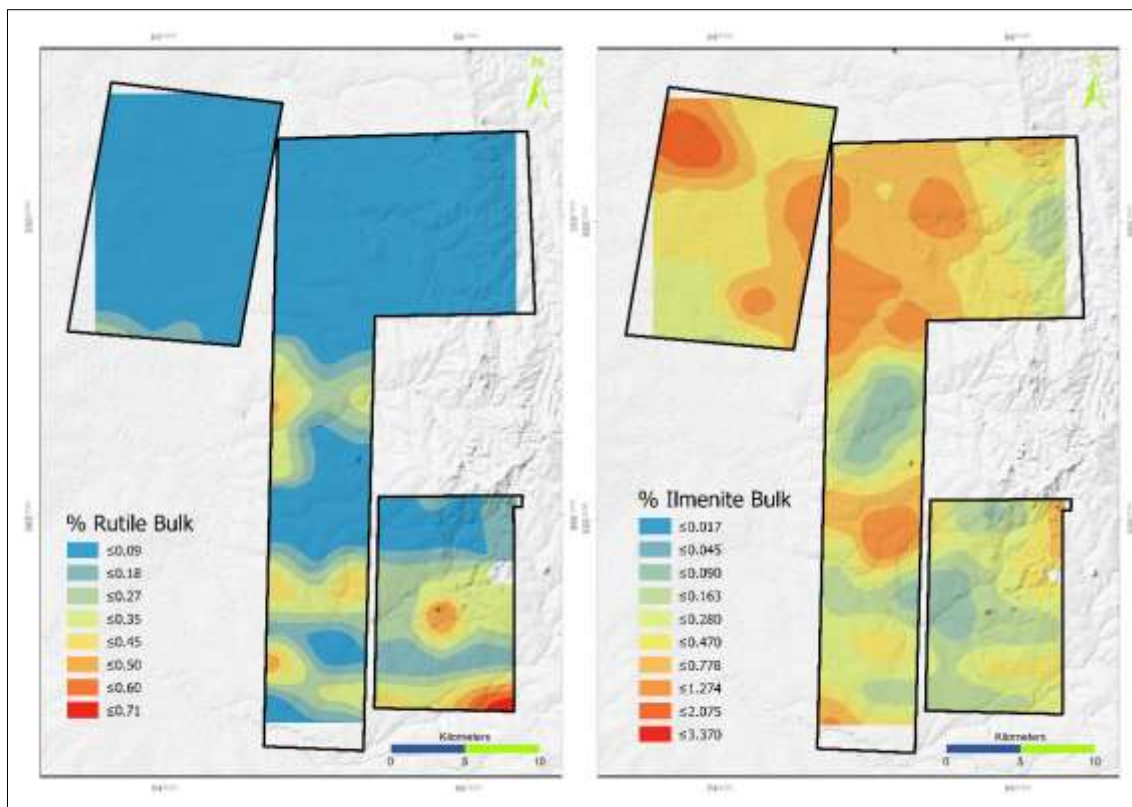


Figure 1: Interpolated calculated rutile-equivalent bulk (left) and ilmenite-equivalent bulk (right) from the regional soil sampling programme. The rutile response is localised, whereas the ilmenite-equivalent response is more widespread and reaches materially higher values.

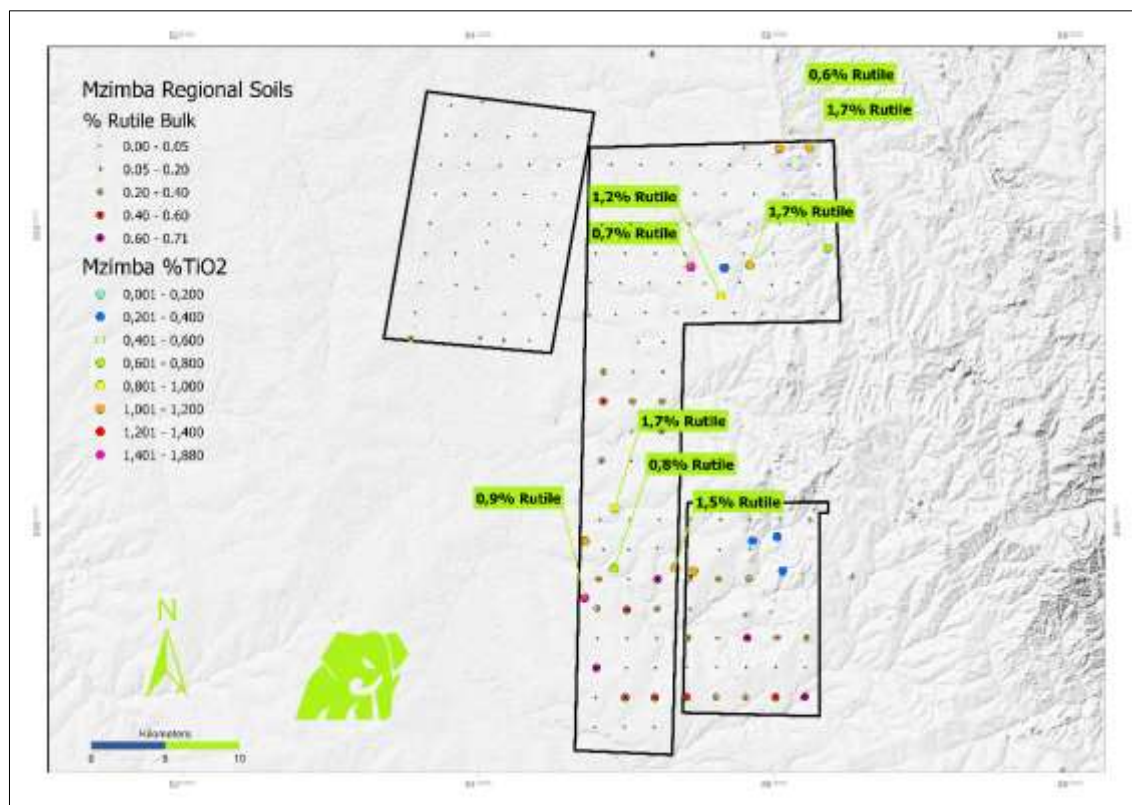


Figure 2: Regional soil sampling results shown together with the earlier XRD-rutile occurrences. The initial rutile occurrences are confirmed and geologically consistent with the regional results, but do not define a continuous licence-scale rutile system.



Next Steps

The Company will reassess the Mzimba geological model and targeting using the Phase 1 assemblage and spatial dataset before any next-phase work is designed. That reassessment will consider whether any further work is justified, and if so on what commodity and at what scale including whether rutile remains the primary target or whether titanium more broadly should be treated as the exploration thesis.

No drilling is planned at Mzimba pending that reassessment, with near-term capital and technical resources directed to the Company's Cameroon projects. A decision on the three Mzimba exploration licences (EL0784, EL0732 and EL0783) will follow that reassessment and the Company's broader portfolio priorities.

-ENDS-

This announcement has been authorised by the Board of Tusker Minerals.

More information

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About Tusker Minerals

Tusker Minerals is an African-focused explorer advancing a high-quality portfolio of critical mineral assets across Cameroon and Malawi. Tusker's projects include the Central Rutile Project and Douala Basin HMS Project in Cameroon and the Mzimba Project in Malawi.

Competent Person Statement

The information contained in this announcement that relates to geological information and exploration results at the Mzimba Rutile Project, is based on information compiled by Mr Clifford Fitzhenry, a Competent Person who is a Registered Professional Natural Scientist with the Council for Natural Scientific Professionals (SACNASP). Mr Fitzhenry is the Company's CEO and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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 Fitzhenry consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

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APPENDIX 1 – MZIMBA PIT COLLAR LOCATION

Table 1: Tusker Minerals Recon samples.

Tenement	EPL	Collar ID	Sample Type	Reference system	Survey Type	Easting	Northing	EOH (m)
Mzimba	EPL0732	PIT01	Pit sample	UTM36S	Handheld GPS	562340	8685013	6
Mzimba	EPL0732	PIT02	Pit sample	UTM36S	Handheld GPS	558883	8677624	6
Mzimba	EPL0732	PIT03	Pit sample	UTM36S	Handheld GPS	556353	8675191	6
Mzimba	EPL0732	PIT04A	Pit sample	UTM36S	Handheld GPS	549243	8660894	1
Mzimba	EPL0732	PIT04B	Pit sample	UTM36S	Handheld GPS	549243	8660894	5
Mzimba	EPL0783	PIT05	Pit sample	UTM36S	Handheld GPS	554654	8656806	5
Mzimba	EPL0784	PIT06A	Pit sample	UTM36S	Handheld GPS	539097	8679545	1
Mzimba	EPL0784	PIT06C	Pit sample	UTM36S	Handheld GPS	543644	8679301	3



APPENDIX 2 – MZIMBA PIT RESULTS

Table 2: Mzimba Pit sample results.

Field ID	Sample Type	From	To	% HM Bulk	%VHM Bulk	% TiO2 NM	% Rutile Bulk	% TiO2 Mag	% Ilmenite Bulk	% Zircon Bulk
PIT01	Pit sample	0	1	1.80	1.42	10.12	0.04	50.44	1.37	0.017
PIT01	Pit sample	1	2	1.99	1.52	4.67	0.02	49.71	1.49	0.015
PIT01	Pit sample	2	3	1.31	0.59	0.34	0.00	28.81	0.57	0.021
PIT01	Pit sample	3	4	1.25	0.82	0.59	0.00	42.46	0.81	0.014
PIT01	Pit sample	4	5	1.76	0.89	0.29	0.00	30.71	0.85	0.038
PIT01	Pit sample	5	6	1.30	0.54	0.21	0.00	24.57	0.52	0.024
PIT02	Pit sample	0	1	0.27	0.08	49.80	0.06	1.09	0.00	0.016
PIT02	Pit sample	1	2	0.25	0.10	52.17	0.07	1.15	0.00	0.020
PIT02	Pit sample	2	3	0.28	0.10	48.08	0.08	1.30	0.00	0.021
PIT02	Pit sample	3	4	0.30	0.14	2.57	0.00	47.62	0.13	0.010
PIT02	Pit sample	4	5	0.28	0.05	22.33	0.03	0.15	0.00	0.014
PIT02	Pit sample	5	6	0.37	0.07	33.81	0.05	0.87	0.00	0.017
PIT03	Pit sample	0	1	0.76	0.13	42.90	0.10	0.70	0.01	0.019
PIT03	Pit sample	1	2	0.61	0.10	42.53	0.07	1.31	0.01	0.018
PIT03	Pit sample	2	3	0.51	0.12	43.97	0.08	2.47	0.02	0.025
PIT03	Pit sample	3	4	0.47	0.12	48.60	0.08	1.35	0.01	0.028
PIT03	Pit sample	4	5	0.45	0.09	44.26	0.08	0.89	0.00	0.014
PIT03	Pit sample	5	6	0.32	0.07	44.81	0.05	1.81	0.01	0.015
PIT04A	Pit sample	0	1	0.41	0.05	26.57	0.03	0.70	0.00	0.015
PIT04B	Pit sample	0	1	0.90	0.14	39.84	0.10	0.82	0.01	0.028
PIT04B	Pit sample	1	2	0.37	0.05	49.85	0.03	1.52	0.01	0.011
PIT04B	Pit sample	2	3	0.37	0.20	2.56	0.00	40.49	0.19	0.010
PIT04B	Pit sample	3	4	0.23	0.12	1.11	0.00	40.20	0.11	0.004
PIT04B	Pit sample	4	5	0.25	0.11	0.91	0.00	33.27	0.10	0.007
PIT05	Pit sample	0	1	0.68	0.09	0.41	0.00	8.54	0.08	0.013
PIT05	Pit sample	1	2	0.58	0.13	0.24	0.00	15.54	0.12	0.010
PIT05	Pit sample	2	3	0.78	0.57	2.96	0.01	52.32	0.54	0.019
PIT05	Pit sample	3	4	0.39	0.26	2.40	0.00	48.77	0.25	0.013
PIT05	Pit sample	4	5	0.21	0.09	2.43	0.00	36.92	0.08	0.008
PIT06A	Pit sample	0	1	1.03	0.06	0.23	0.00	3.43	0.05	0.014
PIT06C	Pit sample	0	1	0.90	0.11	0.21	0.00	8.26	0.10	0.012
PIT06C	Pit sample	1	2	0.96	0.29	0.56	0.00	25.02	0.27	0.022
PIT06C	Pit sample	2	3	0.72	0.21	0.80	0.00	20.66	0.19	0.008



APPENDIX 3 – MZIMBA SOIL SAMPLE LOCATION AND RESULTS

Table 3: Mzimba soil sample results

Field ID	EPL	Easting	Northing	% HM Bulk	%VHM Bulk	% TiO2 NM	% Rutile Bulk	% TiO2 Mag	% Ilmenite Bulk	% Zircon Bulk
MASS 001	EPL0732	547908	8646094	3.67	1.77	0.38	0.01	39.64	1.71	0.05
MASS 002	EPL0732	549891	8646096	2.35	0.39	0.61	0.01	29.55	0.35	0.03
MASS 003	EPL0732	551902	8646097	1.54	0.72	1.68	0.01	40.14	0.67	0.04
MASS 004	EPL0732	547948	8648087	1.69	0.67	0.7	0.01	37.66	0.62	0.04
MASS 005	EPL0732	549946	8648103	2.51	0.53	39.39	0.41	0.46	0.01	0.11
MASS 006	EPL0732	551954	8648101	2.04	0.52	32.86	0.41	0.37	0.01	0.11
MASS 007	EPL0783	554080	8648121	3.15	0.57	39.37	0.44	1.57	0.06	0.07
MASS 008	EPL0783	556082	8648120	2.83	0.43	31.95	0.37	0.56	0.02	0.04
MASS 009	EPL0783	558078	8648111	1.49	0.47	42.29	0.35	1.79	0.02	0.1
MASS 010	EPL0783	560087	8648116	3.77	0.72	35.92	0.55	2.62	0.11	0.06
MASS 011	EPL0783	562070	8648124	2.54	0.83	39.55	0.69	3.06	0.05	0.1
MASS 012	EPL0732	547998	8650096	2.16	0.89	42.24	0.71	0.83	0.01	0.17
MASS 013	EPL0732	549999	8650098	1.9	0.31	0.21	0	16.69	0.28	0.03
MASS 014	EPL0732	551998	8650092	1.61	0.28	1.47	0.02	38.75	0.24	0.02
MASS 015	EPL0783	554134	8650120	0.79	0.21	0.99	0.01	45.22	0.2	0.01
MASS 016	EPL0783	556130	8650118	0.62	0.16	0.41	0	40.45	0.15	0.01
MASS 017	EPL0783	558131	8650122	2.51	1.31	1.9	0.02	43.73	1.26	0.03
MASS 018	EPL0783	560130	8650120	1.25	0.32	0.39	0	39.77	0.29	0.03
MASS 019	EPL0783	562133	8650117	2.3	1.06	0.65	0.01	36.51	0.99	0.07
MASS 020	EPL0732	548049	8652098	1.38	0.38	0.28	0	36.56	0.37	0.01
MASS 021	EPL0732	550056	8652100	1.33	0.45	0.3	0	30.87	0.42	0.03
MASS 022	EPL0732	552049	8652097	1.38	0.52	0.35	0	32.83	0.5	0.02
MASS 023	EPL0783	554175	8652120	3.14	0.45	44.31	0.34	1.32	0.06	0.05
MASS 024	EPL0783	556180	8652122	0.91	0.17	44.75	0.15	0.17	0	0.02
MASS 025	EPL0783	558184	8652122	3.83	0.93	31.73	0.7	0.44	0.01	0.22
MASS 026	EPL0783	560196	8652146	1.35	0.3	41.03	0.24	2.19	0.03	0.03
MASS 027	EPL0783	562179	8652118	1.67	0.43	39.47	0.34	0.53	0.01	0.08
MASS 028	EPL0732	548046	8654113	2.71	0.51	37.66	0.4	0.17	0.01	0.11
MASS 029	EPL0732	550057	8654019	3.2	0.59	45.1	0.45	1.59	0.07	0.07
MASS 030	EPL0732	552100	8654091	2.16	0.49	46.79	0.4	0.6	0.01	0.07
MASS 031	EPL0783	554340	8654066	0.95	0.24	45.38	0.19	0.58	0.01	0.05
MASS 036	EPL0732	548160	8656086	2.51	0.63	49.01	0.4	3.27	0.1	0.12
MASS 037	EPL0732	550170	8656099	0.85	0.35	0.51	0	32.23	0.32	0.02
MASS 038	EPL0732	552138	8656079	4.2	0.77	47.42	0.61	0.57	0.03	0.13
MASS 039	EPL0783	554284	8656173	0.8	0.32	49.02	0.26	1.29	0.01	0.06
MASS 040	EPL0783	556251	8656090	0.91	0.31	46.28	0.25	0.35	0	0.06
MASS 041	EPL0783	558276	8656115	3.73	0.46	44.65	0.32	1.11	0.06	0.08
MASS 044	EPL0732	548492	8658100	1.95	0.14	8.44	0.05	0.72	0.02	0.07
MASS 045	EPL0732	550192	8658091	5.35	2.85	0.26	0	36.97	2.73	0.11
MASS 046	EPL0732	552100	8658206	4.06	2.62	0.14	0	40.46	2.57	0.05
MASS 047	EPL0732	554040	8658066	1.27	0.26	0.24	0	36.71	0.24	0.02
MASS 048	EPL0783	556324	8658103	1.03	0.18	0.52	0	13.76	0.16	0.02
MASS 049	EPL0783	558332	8658118	1.54	0.56	0.86	0.01	30.41	0.55	0.01
MASS 052	EPL0732	548245	8660096	3.11	1.77	0.98	0.01	41.8	1.71	0.05
MASS 053	EPL0732	550239	8660105	1.12	0.5	0.84	0	45.05	0.48	0.02
MASS 054	EPL0732	552245	8660098	2.87	1.37	0.12	0	38.51	1.32	0.06
MASS 055	EPL0783	554367	8660120	1.25	0.62	2.48	0.01	41.15	0.56	0.05
MASS 056	EPL0783	556371	8660113	1.15	0.13	23.65	0.09	0.34	0.01	0.04
MASS 057	EPL0783	558373	8660097	0.39	0.14	45.53	0.11	1.27	0	0.03
MASS 058	EPL0783	560372	8660127	0.34	0.05	20.7	0.04	1.32	0	0.01
MASS 059	EPL0783	562395	8660137	2.185	1.57	46.66	0.17	40.38	1.39	0.01



Field ID	EPL	Easting	Northing	% HM Bulk	%VHM Bulk	% TiO2 NM	% Rutile Bulk	% TiO2 Mag	% Ilmenite Bulk	% Zircon Bulk
MASS 063	EPL0732	548344	8664099	5	0.49	28.65	0.33	0.44	0.03	0.13
MASS 064	EPL0732	550341	8664098	1.27	0.09	0.74	0	0.32	0	0.08
MASS 065	EPL0732	552346	8664096	0.91	0.41	0.29	0	41.76	0.39	0.03
MASS 067	EPL0732	550389	8666099	2.93	0.09	3.16	0.03	0.35	0.01	0.05
MASS 068	EPL0732	552389	8666101	1.74	0.27	38.97	0.23	0.28	0.01	0.04
MASS 069	EPL0732	548456	8668106	3	0.8	48	0.46	2.53	0.1	0.25
MASS 070	EPL0732	550441	8668099	2.16	0.31	41.8	0.24	0.8	0.02	0.05
MASS 071	EPL0732	552441	8668096	2.94	0.46	45.71	0.33	0.74	0.03	0.09
MASS 072	EPL0732	548484	8670100	2.58	2.01	41.59	0.27	47.3	1.72	0.02
MASS 073	EPL0732	550490	8670100	2.05	0.11	0.72	0	0.74	0.02	0.08
MASS 074	EPL0732	552488	8670097	2.33	0.24	35.47	0.18	0.31	0.01	0.04
MASS 075	EPL0784	535481	8672313	2.18	0.38	46.95	0.3	0.86	0.03	0.06
MASS 077	EPL0784	540150	8672366	0.46	0.1	54.04	0.08	1.91	0.01	0.01
MASS 078	EPL0784	541763	8672210	0.8	0.23	46.24	0.19	1.33	0.01	0.03
MASS 079	EPL0784	543503	8672203	0.55	0.42	0.94	0	50.83	0.41	0.01
MASS 080	EPL0784	541780	8674006	5.29	3.46	0.86	0.01	40.55	3.37	0.08
MASS 081	EPL0732	550819	8672097	1.24	0.82	0.78	0	47.66	0.79	0.02
MASS 082	EPL0732	552555	8672097	3.29	2.44	0.15	0	45.69	2.4	0.04
MASS 083	EPL0784	535761	8674075	0.55	0.4	1.29	0	53.19	0.39	0.01
MASS 086	EPL0784	541780	8674006	0.79	0.63	0.4	0	50.73	0.62	0.01
MASS 087	EPL0784	544473	8673941	1.17	0.81	0.61	0	50.91	0.8	0.01
MASS 088	EPL0732	547511	8673920	2.54	1.69	0.33	0	42.39	1.65	0.04
MASS 089	EPL0732	549311	8673984	1.35	0.93	0.55	0	46.77	0.91	0.02
MASS 090	EPL0732	551289	8674095	0.66	0.38	0.23	0	50.79	0.36	0.01
MASS 091	EPL0732	553418	8674064	1.03	0.66	0.62	0	49.68	0.65	0.01
MASS 092	EPL0732	555276	8674103	0.92	0.62	1.2	0	46.72	0.6	0.01
MASS 093	EPL0732	557290	8674082	1.09	0.37	0.35	0	21.89	0.35	0.02
MASS 094	EPL0732	559220	8674034	0.32	0.17	1.08	0	34.55	0.17	0
MASS 096	EPL0732	563265	8674096	0.26	0.14	1.15	0	34.86	0.13	0
MASS 097	EPL0784	536110	8676075	0.33	0.16	2	0	48.93	0.15	0
MASS 098	EPL0784	538534	8675952	0.26	0.19	0.85	0	49.42	0.19	0
MASS 099	EPL0784	539877	8675713	0.37	0.19	1.84	0	35.84	0.18	0
MASS 100	EPL0732	542164	8675902	0.34	0.28	12.65	0.01	57.31	0.26	0
MASS 101	EPL0784	544055	8675225	0.63	0.41	8.63	0.02	53.85	0.38	0.01
MASS 102	EPL0732	547617	8676101	2.89	1.37	0.99	0	26.87	1.33	0.03
MASS 103	EPL0732	549620	8676095	2.35	1.65	2.32	0.01	41.1	1.6	0.04
MASS 104	EPL0732	551619	8676101	1.86	1.15	0.85	0	39.98	1.12	0.03
MASS 105	EPL0732	553614	8676101	1.59	0.92	0.23	0	36	0.9	0.02
MASS 106	EPL0732	555314	8676049	0.66	0.47	1.94	0	45.19	0.45	0.01
MASS 107	EPL0732	557635	8676122	0.31	0.18	3.63	0.01	51.86	0.17	0.01
MASS 108	EPL0732	559802	8675984	2.48	1.36	0.67	0	37.49	1.32	0.04
MASS 109	EPL0732	561612	8676098	0.16	0.07	1.04	0	41.1	0.07	0
MASS 111	EPL0784	536454	8678077	0.37	0.27	0.41	0	45.66	0.27	0.01
MASS 112	EPL0784	538467	8678074	0.64	0.39	0.93	0	42.94	0.38	0.01
MASS 113	EPL0784	540593	8678830	0.43	0.28	0.74	0	48.37	0.27	0
MASS 114	EPL0784	542347	8677916	0.53	0.32	0.64	0	47.96	0.31	0.01
MASS 115	EPL0784	544541	8678654	0.94	0.61	0.37	0	48.74	0.6	0.01
MASS 116	EPL0732	547968	8678096	1.02	0.68	3.72	0.01	45.45	0.66	0.01
MASS 117	EPL0732	549967	8678099	0.56	0.35	3.13	0	39.19	0.35	0
MASS 118	EPL0732	551978	8678096	0.8	0.34	1.25	0	42.2	0.33	0.01
MASS 119	EPL0732	553964	8678099	0.5	0.28	1.33	0	34.39	0.27	0.01
MASS121	EPL0732	557965	8678100	0.87	0.53	0.52	0	37.81	0.51	0.01
MASS 122	EPL0732	559961	8678098	0.12	0.05	3.75	0	33.17	0.05	0
MASS 124	EPL0784	536768	8680142	0.81	0.53	0.99	0	46.25	0.51	0.01
MASS 126	EPL0784	540804	8680081	0.58	0.42	1.08	0	48.83	0.41	0



Field ID	EPL	Easting	Northing	% HM Bulk	%VHM Bulk	% TiO2 NM	% Rutile Bulk	% TiO2 Mag	% Ilmenite Bulk	% Zircon Bulk
MASS 127	EPL0784	542753	8680065	0.35	0.26	4.76	0	50.4	0.25	0.01
MASS 128	EPL0784	544698	8679998	2.44	1.66	0.38	0	41.52	1.63	0.03
MASS 129	EPL0732	548340	8680041	1.15	0.92	0.65	0	48.3	0.91	0.01
MASS 130	EPL0732	550313	8680091	0.87	0.66	0.5	0	47.01	0.65	0.01
MASS 132	EPL0732	554310	8680097	3.67	2.54	0.15	0	43.83	2.5	0.04
MASS 133	EPL0732	556312	8680103	1.5	0.87	0.36	0	35.44	0.85	0.02
MASS 134	EPL0732	558294	8680105	0.65	0.43	0.42	0	42.39	0.42	0.01
MASS 135	EPL0732	560358	8680102	0.36	0.21	2.12	0	42.63	0.2	0.01
MASS 136	EPL0732	562314	8680099	0.08	0.02	1.11	0	22.47	0.02	0
MASS 137	EPL0784	537150	8682078	0.41	0.21	3.72	0.01	51.18	0.19	0.01
MASS 138	EPL0784	539130	8682074	0.5	0.24	1.39	0	51.98	0.23	0.01
MASS 139	EPL0732	541139	8682074	0.52	0.35	1.64	0	47.33	0.34	0.01
MASS 140	EPL0784	543159	8682087	0.57	0.35	2.37	0.01	52.65	0.34	0.01
MASS 141	EPL0784	545162	8682092	2.39	1.38	1	0	34.06	1.34	0.03
MASS 142	EPL0732	548612	8682189	1.84	1.21	0.21	0	41.14	1.19	0.02
MASS 143	EPL0732	550661	8682106	0.37	0.23	4.38	0.01	51.83	0.22	0.01
MASS 144	EPL0732	552660	8682099	0.61	0.44	0.24	0	50.16	0.44	0.01
MASS 145	EPL0732	554660	8682096	1.74	1.27	0.37	0	46.48	1.25	0.01
MASS 146	EPL0732	556658	8682094	1.15	0.72	0.73	0	43.94	0.7	0.02
MASS 147	EPL0732	558656	8682101	0.13	0.05	0.78	0	36.67	0.05	0
MASS 148	EPL0732	560657	8682098	0.52	0.26	0.53	0	35.36	0.25	0.01
MASS 149	EPL0732	562656	8682098	0.2	0.08	1.48	0	33.72	0.08	0
MASS 150	EPL0784	537503	8684078	3.81	2.85	1.31	0.01	46.58	2.8	0.04
MASS 151	EPL0784	539369	8684108	4.36	2.99	0.04	0	41.65	2.95	0.05
MASS 152	EPL0784	541508	8684039	1.23	0.9	0.21	0	50.74	0.89	0.01
MASS 153	EPL0784	543477	8684081	0.49	0.31	0.74	0	48.79	0.3	0.01
MASS 154	EPL0784	545481	8684075	0.75	0.5	1.37	0	45.95	0.49	0.01
MASS 156	EPL0732	549025	8684108	0.77	0.61	0.46	0	48.07	0.61	0
MASS 157	EPL0732	551016	8684089	0.86	0.63	0.27	0	44.87	0.62	0.01
MASS 158	EPL0732	553091	8684116	0.95	0.68	0.11	0	43.99	0.67	0.01
MASS 159	EPL0732	555009	8684094	1.03	0.52	0.51	0	44.54	0.5	0.01
MASS 160	EPL0732	557005	8684087	0.49	0.29	0.93	0	49.53	0.28	0.01
MASS 161	EPL0732	558997	8684101	0.64	0.38	1.71	0	40.16	0.36	0.01
MASS 162	EPL0732	561006	8684100	1.58	0.7	0.44	0	26.19	0.66	0.03
MASS 163	EPL0732	563011	8684069	0.8	0.36	2.28	0	26.57	0.34	0.02
MASS 164	EPL0784	537845	8686077	3.66	2.63	0.72	0	43.51	2.59	0.04
MASS 165	EPL0784	539844	8686071	1.74	1.04	1.08	0.01	50.87	1.02	0.02
MASS 166	EPL0784	542032	8685975	0.38	0.26	2.32	0	46.76	0.26	0.01
MASS 167	EPL0784	543849	8686064	0.4	0.28	1	0	47.67	0.27	0.01
MASS 169	EPL0784	547452	8686076	0.18	0.1	1.48	0	49.59	0.09	0
MASS 170	EPL0784	538196	8688076	1.65	1.19	0.27	0	45.24	1.17	0.02
MASS 171	EPL0784	540292	8688292	0.61	0.33	1.12	0	52.26	0.32	0.01
MASS 173	EPL0784	543601	8688108	0.45	0.33	1.79	0	47.52	0.32	0



Section 1 Sampling Techniques and Data		
Criteria	Explanation	Comment
Sampling techniques	Nature and quality of sampling (eg 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 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.	Pit Channel sampling - Channel samples were collected from pits excavated proximal to 6 historical TiO₂ anomalous soil samples - Pits were hand dug. - Samples were collected at consistent 1 m intervals - Industry-standard practice was used in the processing of samples for assay. Soil sampling - Soil samples were collected using a shovel. - Sampling targeted the residual regolith horizon to best represent geochemical signatures. - Organic topsoil was first removed, and samples were collected from 50–70 cm depth below this layer. Each sample weighed approximately 4-6 kg. - Sampling sites were carefully selected to avoid disturbed areas, including zones of active erosion and any man-made features. - Industry-standard practice was used in the processing of samples for assay 145 soil samples and 35 pit samples were collected whilst 2 were discarded.
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).	No drilling was conducted
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.	Soil sampling - Organic topsoil was first removed, and samples were collected from 50–70 cm depth below this layer. Each sample weighed approximately 4–6 kg. - GPS coordinates recorded at each site using handheld GPS (±5 m accuracy). Channel sampling - Sample information was recorded at the time of sampling - GPS coordinates recorded at each site using handheld GPS (±5 m accuracy).



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.	• Sample information was recorded at the time of sampling • GPS coordinates recorded at each site using handheld GPS (± 5 m accuracy).
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. 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.	Soil Sampling: • A sample weighing approximately 4-6 kg was collected from each site, targeting residual material • Organic material was removed prior to sampling to avoid contamination. • Samples were bagged and tagged on site with unique sample IDs. • Samples were split into a 1kg representative sample using a rifle splitter • The samples were dried for an accurate primary dry weight • Samples were panned for HM concentrate • HM concentrate was sent to GSD of Malawi in Zomba for oven drying, magnetic separation and XRF analysis Pit Channel sampling • Channel samples were collected from pits excavated proximal to 6 historical TiO_2 anomalous soil samples • Pits were hand dug • Samples collected at consistent 1m intervals • Organic material was removed prior to sampling to avoid contamination. • Samples were bagged and tagged on site with unique sample IDs. • Samples were split into 1kg representative samples using a rifle splitter • The samples were dried for an accurate primary dry weight • Sample were panned for HM concentrate • HM concentrate was sent to GSD of Malawi in Zomba for oven drying, magnetic separation and XRF analysis



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 (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	- Sample analysis was performed by the GSD of Malawi. - HM conc were oven dried for 12hours - Magnetic separation was performed on HM conc and a magnetic and non-magnetic fraction was produced - Magnetic and non-magnetic fraction were analysed using XRF
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.	- No third-party verification recorded. - No twinned boreholes were drilled. - No adjustments to data have been recorded.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control.	- Hand-held Garmin G65S GPS. - Coordinate system was UTM WGS84 Sector 36S
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 soil sample was designed using a 2km x 2km grid - Pit samples were designed to test depth of mineralisation at historical anomalous zones
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.	- The program was an early reconnaissance stage and was designed to test surface and near-surface stratigraphy in residual regolith material and rutile anomalous zones at depth - The license area is dominated by ilmenite with localised rutile lenses
Sample security	The measures taken to ensure sample security.	All samples were collected and accounted for by Tusker employees/consultants. All samples were bagged into plastic bags and closed with cable ties



Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No independent audits or reviews data have been undertaken.
Section 2 Reporting of Exploration Results		
Criteria	Explanation	Comment
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.	- The Mzimba project consists of three exploration licences: Mzimba West (EL0784), Mzimba Central (EL0732) and Mzimba South (EL0783), which are all held 100% by Green Exploration Ltd, a wholly owned Malawian subsidiary of Tusker Minerals Ltd. - Most of the tenement areas are within subsistence farmland. - No known impediments to jeopardize operating in the licence areas
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	The tenement areas have been prospected and intermittently mined by artisanal miners.
Geology	Deposit type, geological setting and style of mineralisation.	- The project area occurs within orthogneisses, schist and granulite units in the Mesoproterozoic Irumide orogenic belt that extends from around Lundazi in eastern Zambia into Malawi. This geological terrain is dominated by weathered gneiss that hosts the ilmenite and rutile mineralisation - The style of mineralisation is best described as a residual placer or eluvial heavy mineral deposit, where tropical weathering lead to significant volume loss and concurrent concentration of heavy minerals within the top 5-15m.



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.	- Locations of all samples are included in the figures and tables included in this announcement. - No drilling is being reported in this announcement.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg 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 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.	- Bulk heavy mineral and individual mineral percentages were determined on a dry basis from 1kg splits following magnetic separation. - Mineral abundances were quantified using X-ray fluorescence (XRF) oxide chemistry for TiO_2, ZrO_2, and Fe_2O_3. - Rutile and zircon, percentages were quantified from the non-magnetic fraction. Ilmenite was measured from the magnetic fraction. - Rutile-equivalent (%) = $\text{NM TiO}_2 (\%) \div 100 \times (\text{NM weight} \div \text{Primary weight}) \times 100$ - Ilmenite-equivalent (%) = $\text{Magnetic TiO}_2 (\%) \div 53 \times (\text{Magnetic weight} \div \text{Primary weight}) \times 100$ - No weighting, averaging, or cut-off grades were applied in calculating mineral percentages; results represent raw assay data from discrete samples.
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 (eg 'down hole length, true width not known').	- No drilling is released in the announcement - The license area is dominated by ilmenite with localised rutile lenses
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant	All maps and diagrams can be found within the body of the release



	<i>discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	
<i>Balanced reporting</i>	<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 to avoid misleading reporting of Exploration Results.</i>	• <i>All data recorded has been released in the body of the release</i>
<i>Other substantive exploration data</i>	<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>	• <i>The license area is dominated by ilmenite with localised rutile lenses</i> • <i>Further work at Mzimba is subject to reassessment of the geological model and targeting (see Next Steps)</i>
<i>Further work</i>	<i>The nature and scale of planned further work (eg 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 main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	• <i>Further work at Mzimba is subject to reassessment of the geological model and targeting (see Next Steps)</i>