



Tiwi Resources Pty Ltd

ANNUAL REPORT

FOR

Exploration Licenses ML24510

Tiwi Islands Northern Territory

For period 07/09/19 – 06/09/20

Tiwi Resources Pty Ltd

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1. SUMMARY

This annual report covers ML24510 for the period 07/09/19 to 06/09/20 for which there is a due date of 5th November 2020.

In the reporting year, the previous holder of the tenements, Matilda Zircon Limited was placed into voluntary administration. Tiwi Resources Pty Ltd, with the support of the Tiwi Land Council, successfully negotiated the acquisition from the administrator, of all Tiwi Island titles previously held by Matilda Zircon Limited.

There was no on ground activity for the reporting year due to Matilda Zircon being placed into administration and the transfer of titles being processed on 25th of February 2020. Access to area was very limited during the Wet Season which was followed by access restrictions due to COVID-19. Activity was limited to a desk top review of previous work.

Mining has been performed within ML24510 in previous reporting periods with the target commodity being heavy mineral (HM) containing a suite of Zircon, rutile, leucoxene and ilmenite.

2. INTRODUCTION

Tiwi Resources Pty Ltd acquired all Tiwi Island titles that were previously held by Matilda Zircon Limited with the official transfer of titles on 25th of February 2020. For many years, mining companies have explored the Tiwi Islands for different resources with consent from traditional landowners through the Tiwi Land Council (TLC).

The Tiwi traditional landowners, with the support of the Tiwi Land Council saw an opportunity to become directly involved in mining activities on their own Tiwi land when the title holder Matilda Zircon Limited was placed into administration. With the titles now held by a Tiwi entity, the focus will be on exploring potential development and mining opportunities to directly benefit the Tiwi community.

3. PYSIOGRAPHY

The climate of the Tiwi Island is typical wet and dry tropics. The Tiwi islands have the highest average wet season rainfall in the Northern Territory with between 1200-2000mm or rainfall annually. The highest average rainfall occurs between December and April driven by the northwest monsoon flow while the warm, dry winters are driven by a cooler easterly air flow.

The vegetation of the islands is dominated by tropical savannah woodland with pockets of coastal vine thicket, mangrove systems and areas of tropical floodplain bordered by melaleuca forests. Casuarina and Pandanus palms are the dominant species along the coastline adjacent to the beach areas.

The topography of the Tiwi Islands is characterized by relatively low relief, rising to approximately 100m above sea level. The low-lying areas inland include monsoonal swamps and floodplain along the rivers and creeks with extensive tidal flats towards the coast.

4. TENURE

Tenement Number	Date Granted	Date Expiry	Area (Ha)
ML24510	07/09/05	06/09/30	821.7

5. ACTIVITIES

Activities for the reporting year have been confined to a desktop review of previous activity within ML24510. The ML is located on Melville Island which makes up part of the Tiwi Islands in the Northern Territory. (See Figure 1.)

With the previous title holder MZI being placed into administration, Tiwi Resources were formally recognized as the holder of this title in January 2020.

The review of previous work was focused on drilling and mining results to understand the potential for the development of any future mining. The area covered by EL24510 was mined for heavy mineral from 2006 to 2009 with all economic deposits exhausted at the time. Further impacting potential of the area are environmental buffer zones.

Environmental buffer zones include 200m from the high tide mark of turtle nesting beaches, 100m from any mangroves, 50m from wetlands, 20m from any coastal vine thicket and 100m from any Masked Owl nesting trees.

Tiwi Resources will assess the potential for any future mining including possible sand extraction however the thin nature of the sand deposit, shallow water table and lack of dune systems in the area combined with environmental buffers make this appear unlikely.

Tiwi Resources plan to consult with traditional owners to understand exclusions and to clarify areas that may be available for mining. This work will determine the viability of any future activity based on direction of the Tiwi landowners.

6. CONCLUSION AND RECOMENDATIONS

The area contained within ML24510 has been previously mined for heavy mineral with all known economic deposits processed. The remaining heavy mineral deposits were previously considered uneconomic. The area that had been mined, has been rehabilitated with only access tracks remaining at the request of traditional Tiwi owners.

Tiwi Resources will assess the potential for sand mining within the area however this seems unlikely to develop further due to the nature of the sand deposit. The area is also considered an important hunting and camping area by the Tiwi owners and further on ground assessment and consultation is required before an informed decision can be made on the future of this area.

Access to the Tiwi Islands during the reporting period was severely restricted in April and May due to the COVID-19 pandemic.

Figure 1. Tenement Location Map



ML24510 located on the Northern coast of Melville Island. (Image by NTG NR Maps)

Figure 2. Location of ML24510



7. REFERENCES

CR19930253, CR19940255, CR19940453, CR19950479, CR20060089, CR20060097, CR20060486, CR20070127, CR20070430, CR20080124, CR20080528, CR20090331, CR20090880, CR20100177, CR20100270