



Beyond Heritage (Pty) Ltd

Registration number:

2021/598485/07

VAT no. 4660218696

Private Bag X1049

Suite 34

Modimolle

Attention: Ms Christine Fouche

Reference: **Zaai Plaats 570 EA**

HERITAGE STATEMENT – Prospecting Application for Farm 570 Zaai Plaats

1. Introduction

The purpose of this statement is to confirm that Farm 570 (Zaai Plaats) subject of a new application (reference number NC 30/5/1/1/2/14264 PR) was assessed in the desktop heritage report (Kraljevic 2024) for the previous NC 30/5/1/1/2/13826 PR application.

2. Background information

Greenmined Environmental (Pty) Ltd was appointed as the Environmental Assessment Practitioner (EAP) by K2022641005 (SOUTH AFRICA) (Pty) Ltd to undertake the required Environmental Authorisation Process for the prospecting application for the Farm No 570 (Zaai Plaats) located ±57 km south-west of Postmasburg.

The impact area was covered during the desktop Heritage Impact Assessment (HIA) for a large prospecting application (Kraljevic 2024) and concluded that the impact on heritage resources is expected to be low, and the Project can be authorised provided that the recommendations in the report are adhered to and based on the SAHRA's approval. In terms of the palaeontological component a separate study was conducted for this aspect (Bamford 2024).



Beyond Heritage (Pty) Ltd

Registration number:

2021/598485/07

VAT no. 4660218696

Private Bag X1049

Suite 34

Modimolle

3. Project detail

K2022641005 (SOUTH AFRICA) (Pty) Ltd (the “Applicant”) applies for environmental authorisation and a prospecting right without bulk sampling, for diatomite / diatomaceous earth / kieselguhr over ±560 ha of Farm No 570 (Zaai Plaats).

Should the relevant authorisations be granted, and the project commence the principal prospecting activities will entail the following:

Non-Invasive Prospecting: Desktop geological studies (Phase 1),

- Geological field mapping (Phase 2),
- Feasibility studies and target selection (Phase 4),
- Analytical desktop pre-feasibility study (Phase 6).

Invasive Prospecting: Exploration boreholes (Phase 3 & 5),

- Sloping, landscaping, and rehabilitation the affected areas (Phase 3 & 5).

Once the target areas were identified (during non-invasive prospecting) and the invasive prospecting commences (phase 3 & 5), site establishment will entail discussions with the landowner regarding access to the property, the clearance of vegetation (where necessary) from the areas to be prospected, the stripping and stockpiling of the topsoil, and the introduction of the prospecting equipment.

The prospecting activities does not require bulk sampling nor the use of any permanent equipment/infrastructure. A central site camp will be established at an area agreed to by the landowner where mobile containers will be used as office space and for storage. Chemical ablutions will be established, and the site camp will be fenced to control access. All chemicals/hydrocarbons will be kept in the storage containers or bunded areas with impermeable surfaces.

Assaying

Rock chip / soil samples will be sent to an off-site laboratory to be crushed, split, pulverized, and assayed.

Metallurgical Test Work

Metallurgical test work will start during Phase 4 of the prospecting activities. These tests will be done off-site by and in consultation with an accredited Laboratory. Samples from core will be split using a core cutter before being sent to the laboratory for analysis.

Electricity Need

The prospecting activities does not require electricity as all equipment will be powered with generators.

Water Use



Beyond Heritage (Pty) Ltd

Registration number:

2021/598485/07

VAT no. 4660218696

Private Bag X1049

Suite 34

Modimolle

Water will be used for drilling, and dust suppression at the prospecting sites and access roads. Potable water will daily be transported to site, while the process water will be bought from a local sources (to be identified) in the vicinity of the prospecting activities.

Waste Handling

The general waste generated at the prospecting sites will be transported to the site camp where it will be contained in refuse bins. Once full the refuse bins will be emptied, and the waste will be disposed of at a registered landfill site in the vicinity of the project.

Hazardous waste will be contained in designated hazardous waste containers to be removed daily to the hazardous waste storage area at the site camp. A registered contractor will be appointed to collect and dispose of the hazardous waste at a registered hazardous waste handling facility and the site will file the proof of safe disposal for auditing purposes.

The chemical toilets will weekly be serviced by an appropriately qualified sewerage handling contractor who will furnish the site with proof of safe disposal.

Servicing and Maintenance

No workshop, wash bay or service areas will be established at the prospecting sites and/or site camp. When needed maintenance/servicing of the equipment will be performed at the contractor's off-site workshop

4. Findings

The study area was assessed on desktop level (Kraljevic 2024) as part of a large prospecting application. It was deemed not feasible to conduct fieldwork at this stage of the process due to the following reasons:

- The geographical size of the exploration application and the fact that the exact locations of bulk sampling trench/pit sites or number of drill holes to be dug is not available at this point;
- No intrusive activities will occur at this point of the application;

The study found that hills present on the Farm Vaalwater 84 continue into the southeastern corner of the Farm No. 570. A drainage line also runs through the farm. Two farmsteads/homesteads are present south of the R383.

These highlighted features, including further features which may be identified during prospecting including rocky outcrops, hills, and water courses should be avoided during non-invasive prospecting as these features are generally concurrent with significant heritage resources within the Karoo landscape. Informal graves may be also present across the landscape.



Beyond Heritage (Pty) Ltd

Registration number:

2021/598485/07

VAT no. 4660218696

Private Bag X1049

Suite 34

Modimolle



5. Heritage Opinion

Based on the findings of the 2024 heritage assessment there is no objection to the approval of the Prospecting Application for Farm 570 for the following reasons:

- The application will not change the nature or significance of the impacts assessed in the 2024 study;
- No additional management or mitigation measures over and above the recommendations made in the 2024 report (as outlined below) is applicable to the application.

5.1. Recommendations:

The following recommendations for Environmental Authorisation apply and the Project may only proceed after receiving comment from SAHRA:

- Once the bulk sampling trenches/pit sites have been confirmed these areas have to be subjected to a heritage walk down, this should be conducted prior to the commencement of invasive prospecting activities;
- Drill sites must be kept as close as possible to existing roads to minimise the impact on the landscape;
- Focal points on the landscape like rocky outcrops, hills, pans, and watercourses must be avoided as far as possible as these areas could be sensitive from a heritage point of view;
- Monitoring of the Project area by the ECO during the exploration phase for heritage and palaeontology chance finds, if chance finds are encountered to implement the Chance Find Procedure for the Project as outlined in Bamford 2024.

The proposed application remains subject to approval from SAHRA.

Kindly contact me with any queries or concerns.

Sincerely



Lara Lucija Kraljević

Senior Archaeologist

Beyond Heritage (Pty) Ltd



Beyond Heritage (Pty) Ltd

Registration number:

2021/598485/07

VAT no. 4660218696

Private Bag X1049

Suite 34

Modimolle

References

Kraljević, L. 2024. Heritage Impact Assessment for the Proposed Prospecting Right with Bulk Sampling over Various Farms in the Hay and Kuruman Administrative Districts, Northern Cape.