

SEARCH AND RESCUE COMPLETION REPORT

THE DEVELOPMENT OF THE CALCUTTA PUBLIC CEMETERY AND MEMORIAL PARK ON FARM NO. 29, STELLENBOSCH MUNICIPALITY, WESTERN CAPE

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1. INTRODUCTION

Guillaume Nel Environmental Consultants (GNEC) was appointed to undertake a botanical search and rescue within the construction footprint of the Calcutta Cemetery, located on Farm 29 in Stellenbosch, Western Cape. The search and rescue formed part of the environmental compliance requirements associated with the authorised development.

The activity focused on the removal and conservation of species of ecological significance that occurred within the demarcated footprint. Priority was given to the relocation of endemic species and geophytes, which were carefully extracted from the construction area. All rescued plants were subsequently transplanted into the designated no-go buffer area to ensure their continued survival and to contribute to the ecological integrity of the surrounding environment.

The search and rescue included:

- Removal of endemic species
- Removal of Geophytes

2. PROJECT LOCALITY

All the species of conservation concern were removed from the **red** area and transplanted to the **blue** and **green** areas on site.



Figure 1 Locality Map for Calcutta Cemetery

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3. THE VEGETATION

3.1 Vegetation within study area.

According to the Vegetation Map of South Africa, Lesotho and Swaziland (SANBI, 2018) (VEGMAP), the vegetation type occurring in the study area is Swartland Shale Renosterveld and is listed as critically endangered.

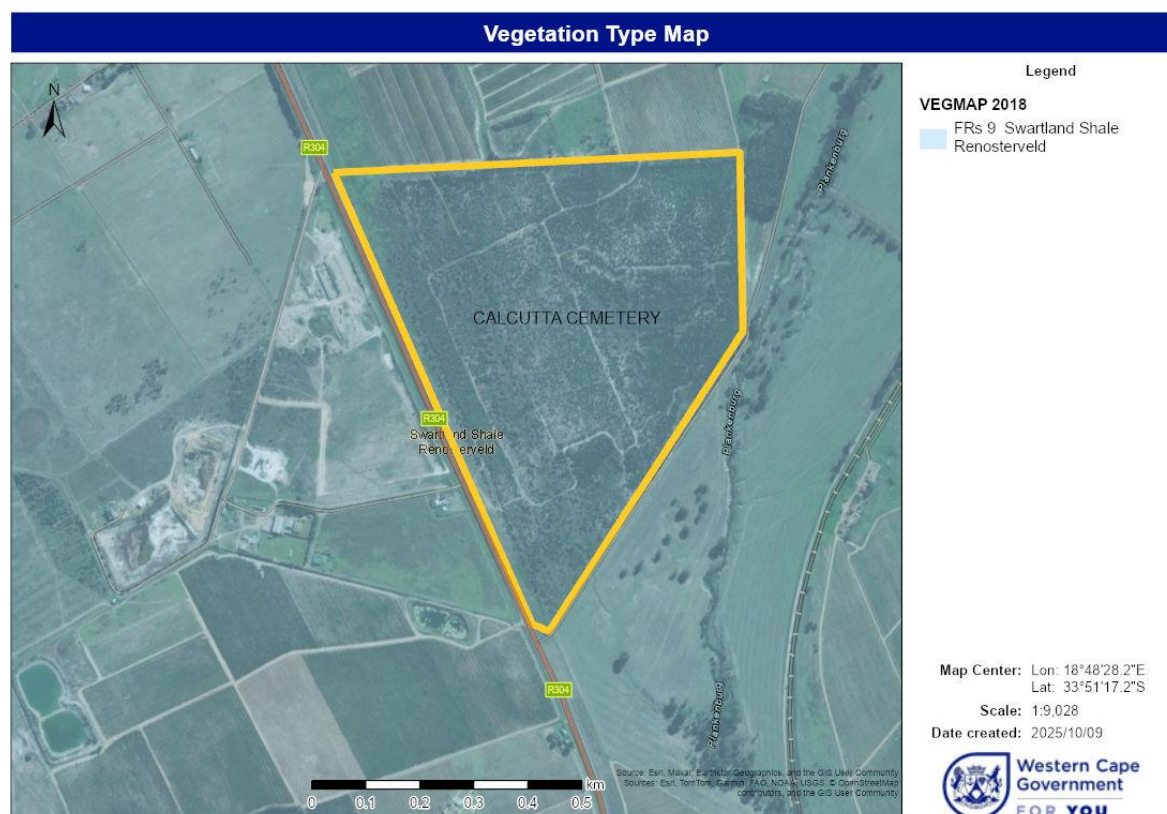


Figure 2 Vegetation Type for Calcutta Cemetery

4. BULBS

Bulb species have been removed within the construction footprint. The following bulbs species have been removed from site and taken to no go buffer zone that will not be developed where these bulbs have been planted for rehabilitation purposes.

The following species were relocated on site during the search and rescue operations:

Haemanthus coccineus



Ornithogalum thyrsoides



Bulbs



Bulbine praemorsa



5. RELOCATION OF PLANTS

The bulbs were planted in the no go buffer zone on site.





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6. CONCLUSION

GNEC in our professional capacity as rehabilitation specialist strongly feel that the search and rescue of endemic species have been very successful.

A total amount of 786 plants were search and rescued.

The bulbs have been planted within the no go buffer zone for rehabilitation purposes.