

DIGBY WELLS

ENVIRONMENTAL

To:	South African Heritage Resources Agency	Date:	22 April 2016
From:	Justin du Piesanie	Case ID:	8831
RE:	Addendum to the Heritage Impact Assessment for the Environmental Authorisation of the Proposed Imvula Project		

1 Introduction

A Heritage Impact Assessment (HIA) was completed for the proposed Imvula Project and submitted to the South African Heritage Resources Agency (SAHRA) and the Mpumalanga Provincial Heritage Resources Authority (MPHRA) for adjudication on 30 March 2016 (Case ID: 8831).

Subsequent to the pre-disturbance survey, completion and submission of the HIA for the Imvula Project on the South African Heritage Resources Information System (SAHRIS), the proposed power line routing option was amended. This memorandum serves as an addendum to the submitted HIA to provide updated information to SAHRA and MPRHA for consideration during adjudication as required under Section 38(8) of the National Heritage Resources Act, 1999 (Act No. 25 of 1999) (NHRA).

2 Project description¹

The Environmental Impact Assessment (EIA) and Environmental Management Programme (EMPr) for the Imvula Project was made available for public review on 14 March 2016 for a period of 30 days. It was envisaged that the power supply for the Imvula Project would have been sourced from the established connection Digby Wells point at the Rietfontein Dam.

The proposed 22 kilovolt (kV) power line routing considered in the EIA/EMPr was via a direct line across the tributary to the Trichardt Spruit, adjacent to the planned water pipeline routings. However, through negotiations with Eskom, this suggested take-off point does not have sufficient electricity supply to accommodate the Imvula Project, and an alternative point of supply and power line routing was determined.

¹ A detailed project description is provided and reported on in the EIA and EMPr Report, and not repeated here. This section provides details relevant to the amendment of the proposed power line routing option only, subsequent to the finalisation of the HIA report.

The identified alternative electricity take-off point and power line route to supply power to the Imvula Project is at the Tweedraai Mine substation (Syferfontein Colliery). The Imvula Project power line is planned to connect at a transfer point located on Portion 6 of the farm Zwakfontein 120 IS and run directly north to the mine road. From this point, it will run west along the road on Portion 1 of Zwakfontein 120 IS where it will connect to the existing Syferfontein Colliery servitude. Here it will continue north adjacent to the provincial road with Portions 1, 15 and 23 of the farm Zwakfontein 120 IS, and Portion 15 of Riversdale 119 IS where it will enter the Imvula Project area.

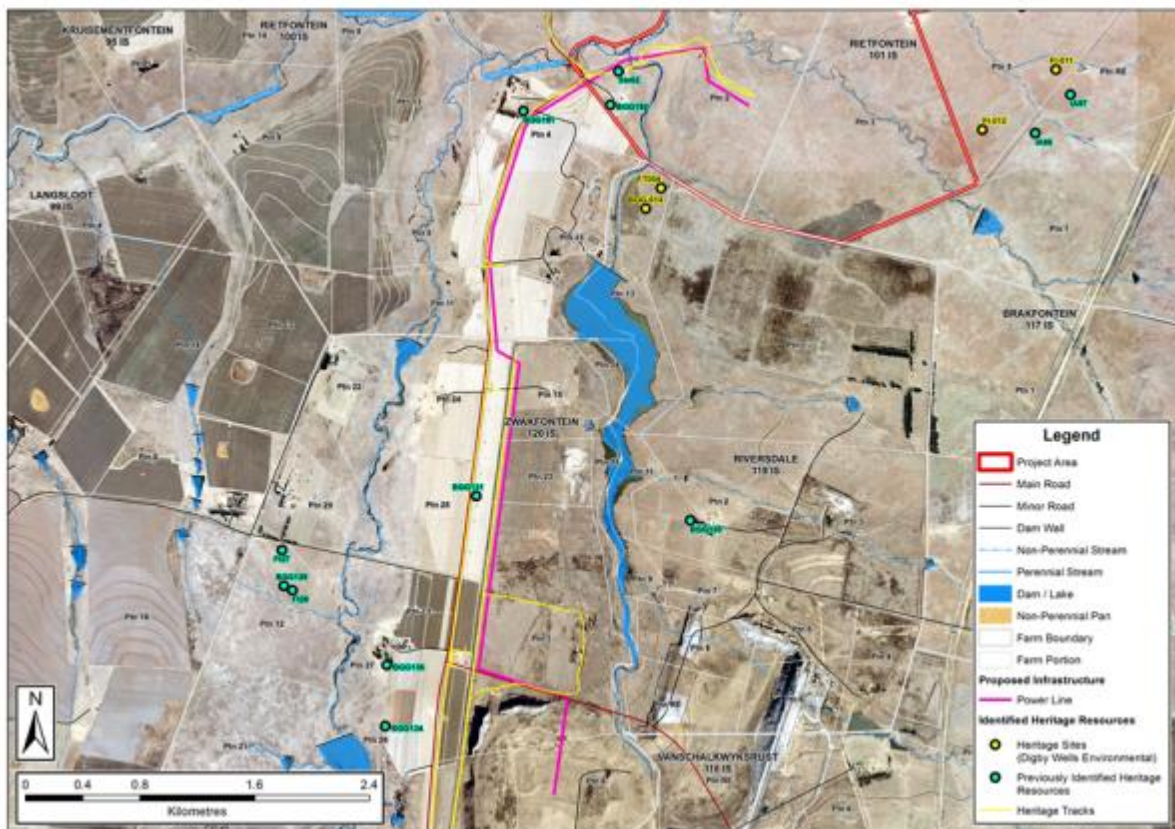


Figure 2-1: Proposed alignment of the 22 kV power line including identified heritage resources and GPS tracklog

3 Methodology

Three pre-disturbance surveys were previously completed for the Imvula Project that focussed on undisturbed areas, outcrops and watercourses within the project boundaries. An additional survey of the new proposed power line routing was undertaken on 19 April 2016 by Justin du Piesanie, a qualified and accredited archaeologist.

The survey of the power line routing was non-intrusive (i.e. no-sampling was undertaken) primarily vehicular-based along the portion of the routing option adjacent to the provincial road off the R547 on portions 4 and 15 of Rietfontein 100 IS, and within the existing

Syferfontein Colliery servitude. Where the planned routing deviated from the alignment with the road on Portion 2 of Rietfontein 101 IS, a pedestrian survey was completed. The objectives of the survey were to:

- Ground truth certain heritage resources and sites identified through the literature and presented in the HIA; and
- Record a visible tangible heritage resources present within the identified power line routing option.

Visible tangible heritage resources were recorded as waypoints using a handheld GPS and documented through written and photographic record.

4 Results of the pre-disturbance survey

The pre-disturbance survey of the new proposed power line routing option was undertaken on 19 April 2016. During the survey, no additional heritage resources were identified within the new routing alignment.



Figure 4-1: Current state of the landscape

5 Heritage Impact Assessment

No additional heritage resources were identified within the planned power line routing, therefore no additional impacts have been assessed to supplement the completed HIA that has been submitted to SAHRA and MPHRA.

6 Additional recommendations to the HIA

Three heritage resources are in proximity to the amended power line routing option, as presented in the HIA (Figure 2-1). These comprise the following:

- Burial ground - BGG131 (174 m);
- Burial ground - BGG191 (77 m); and
- Structure – Ste62 (42 m).

Although all identified heritage resources are located more than 40 m from the power line routing option, the recommendations made in the HIA should still be considered as a condition for approval of the EIA/EMPr. The recommendations are reiterated to include:

- A minimum buffer of at least 15 m surrounding identified heritage resources must be adhered to; and
- Chance Find Protocols (CFPs) must be drafted and implemented as a condition of authorisation that clearly defines and describes the necessary procedures to be followed in the event of accidental exposure of previously unidentified heritage resources.

Regards,



Justin du Piesanie

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