

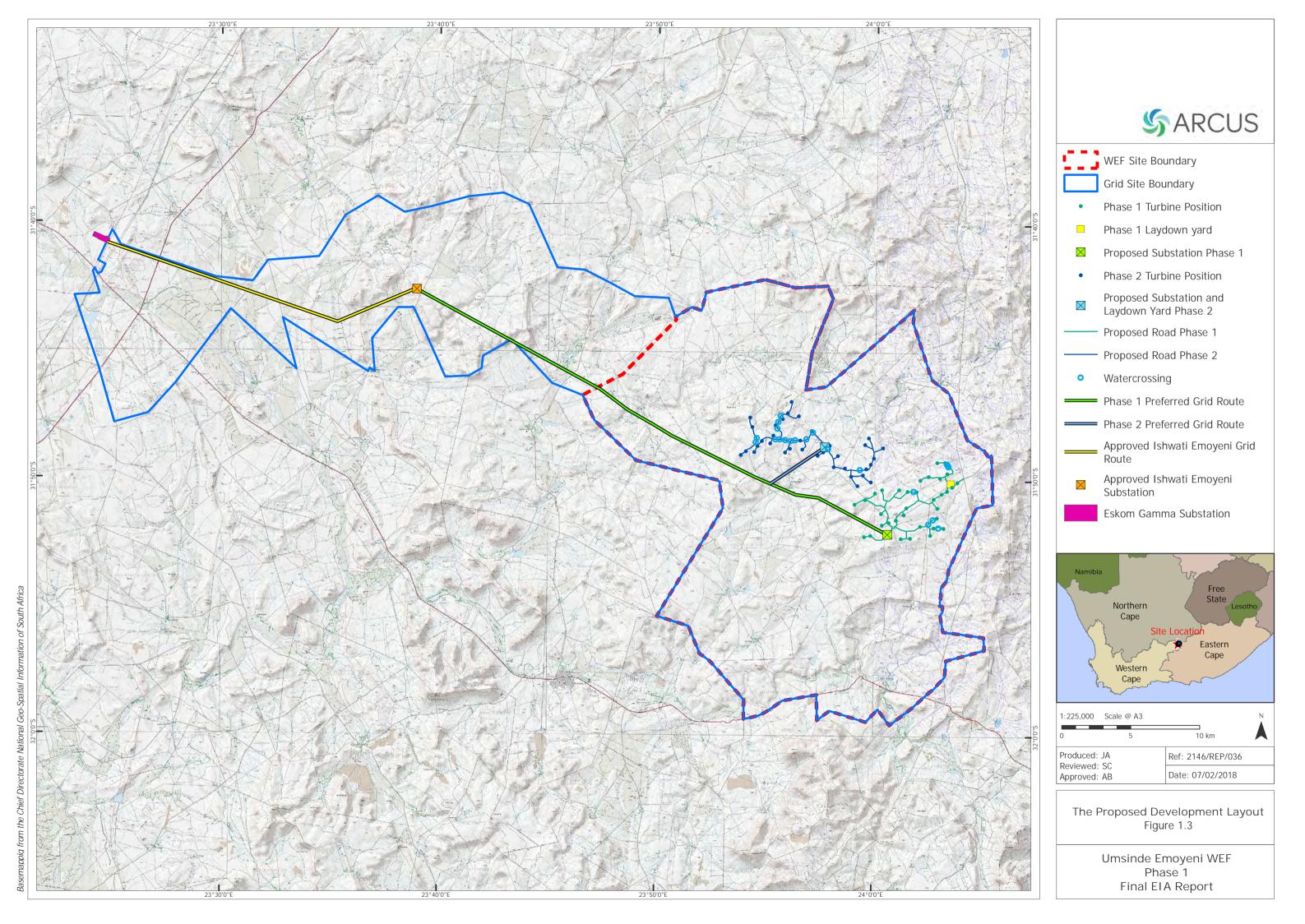


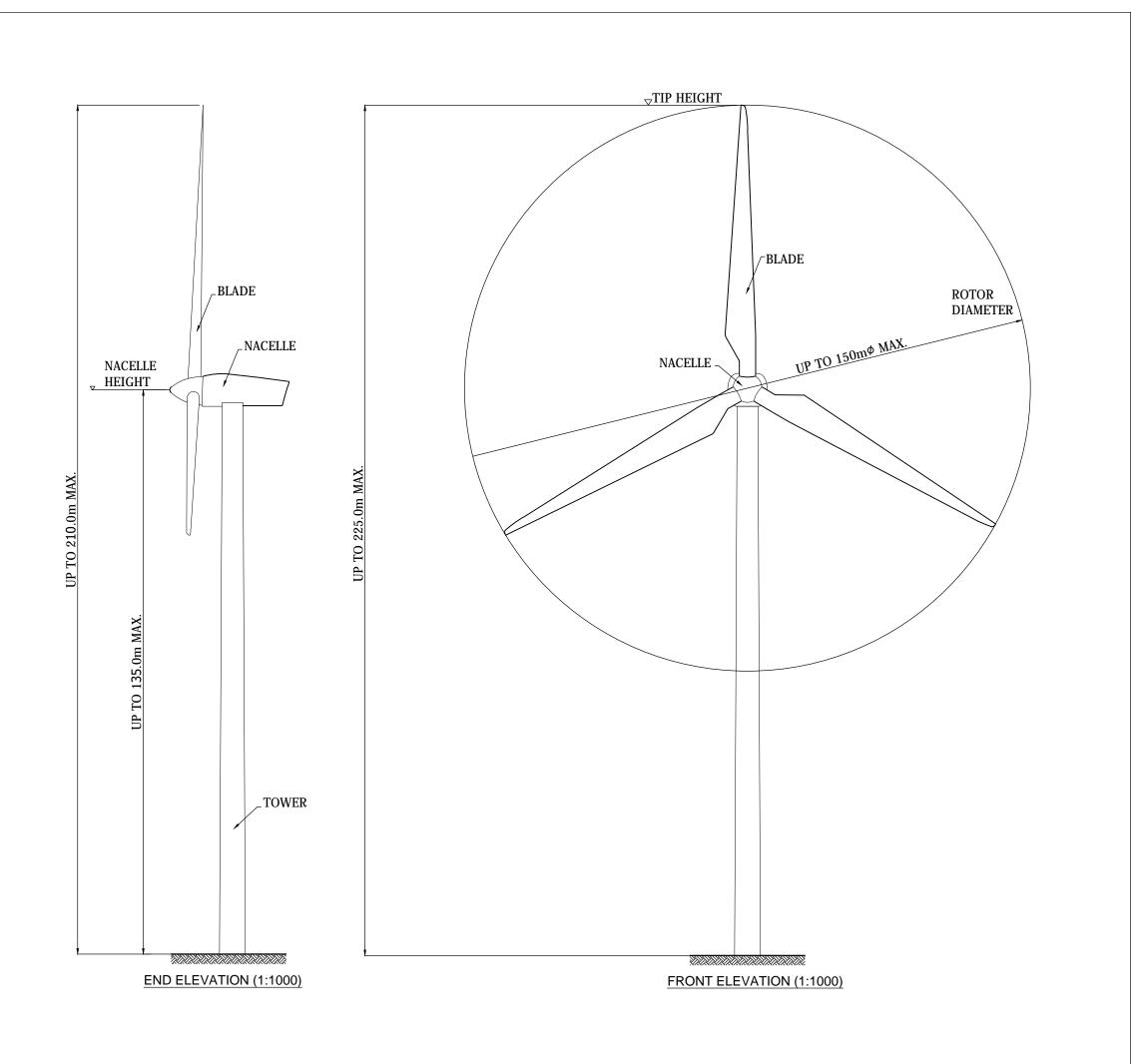
0	2	4 km	
		_	A
1:125,000	Scale @ A3		N

Reviewed: SC	Ref: 2146/REP/035
	Date: 29/03/2016

WEF Site Boundary Phase 1 and 2 Figure 1.2

Umsinde Emoyeni WEF Phase 1 Final EIA Report







NOTES:

- Figure for illustrative purposes only.
 Depending on the final selected turbine, the transformer will either be housed in a small kiosk beside the turbine, or within the tower or nacelle.

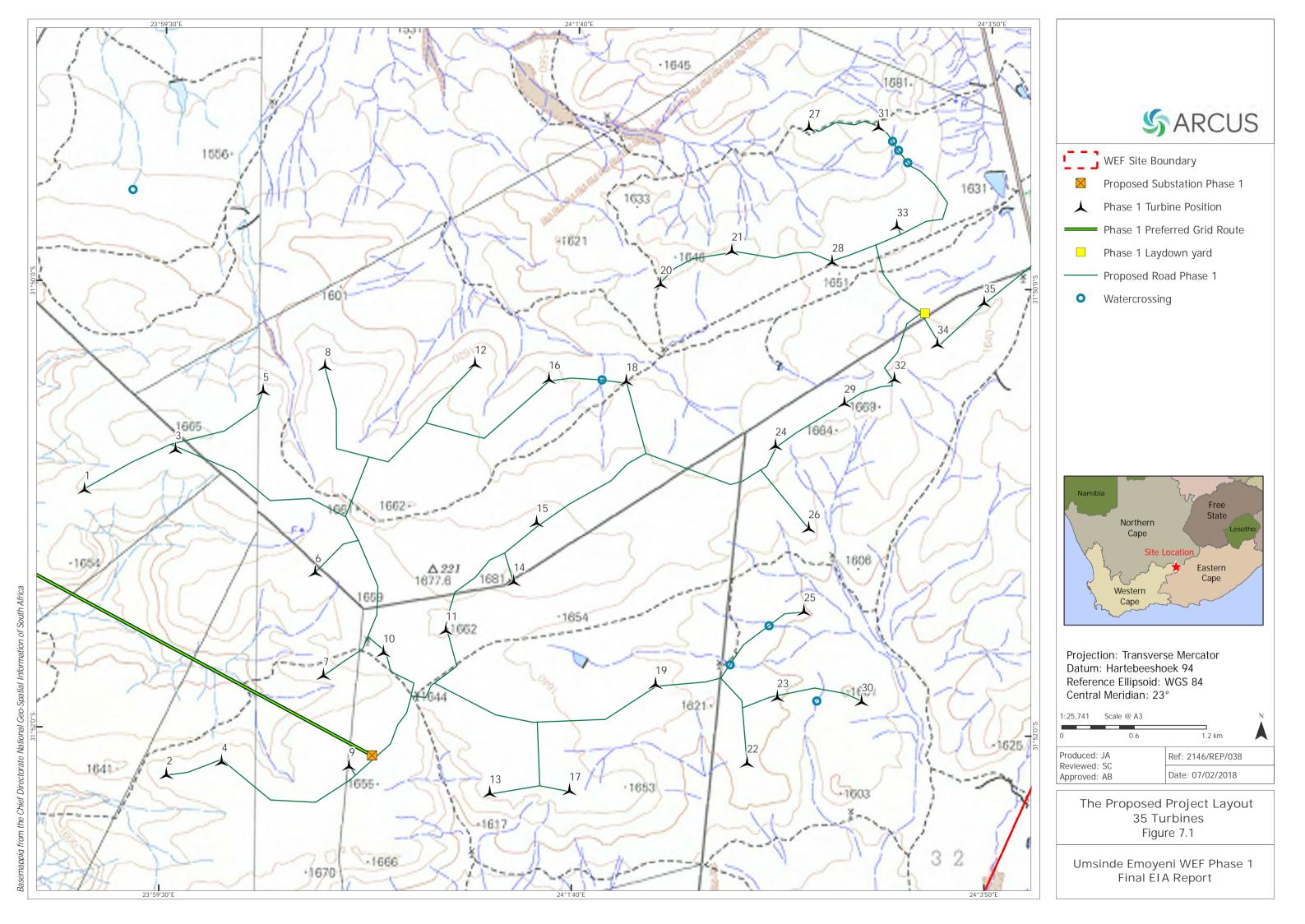
Hub Height: 150m max.

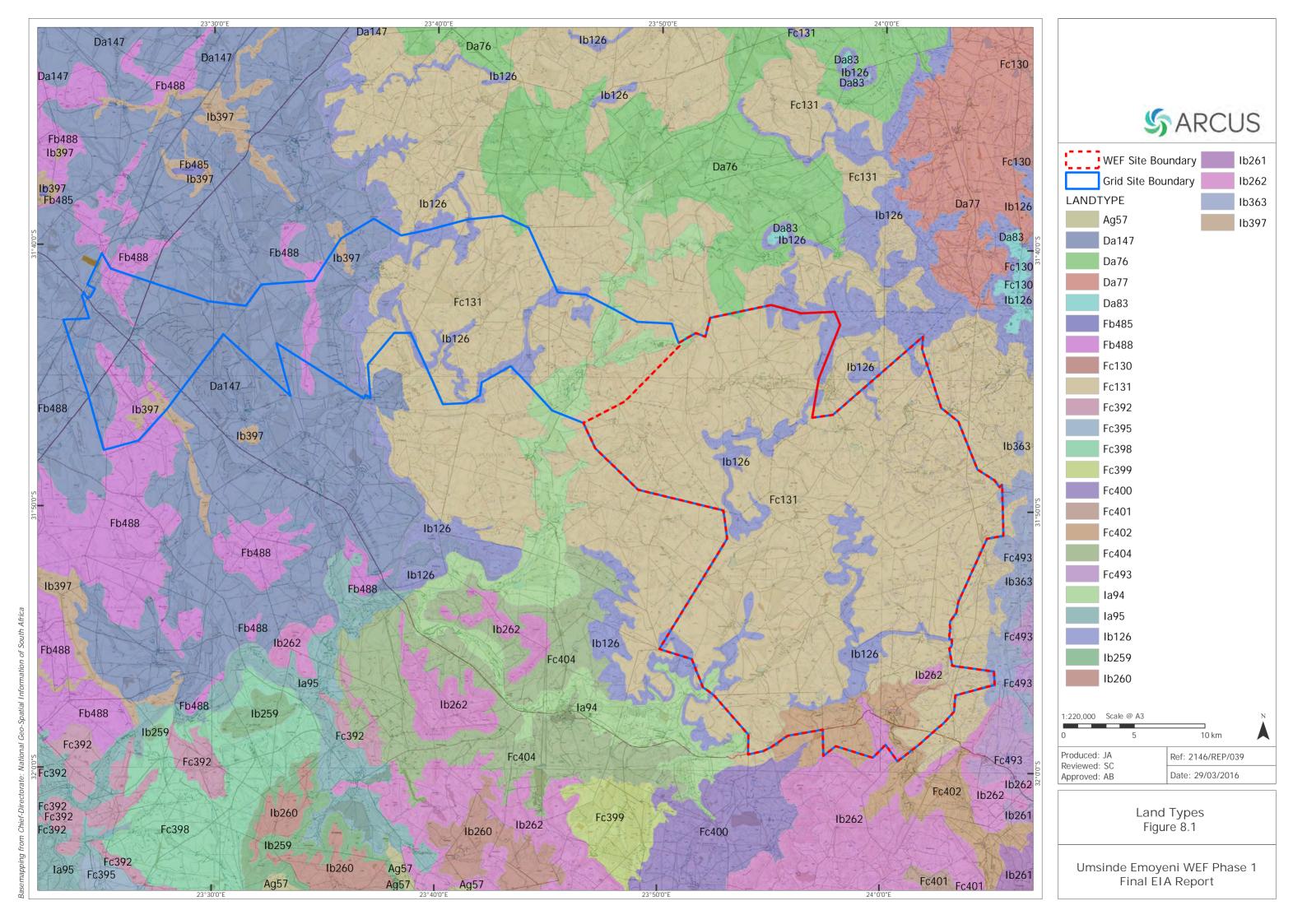
Blade Length: 75m max.

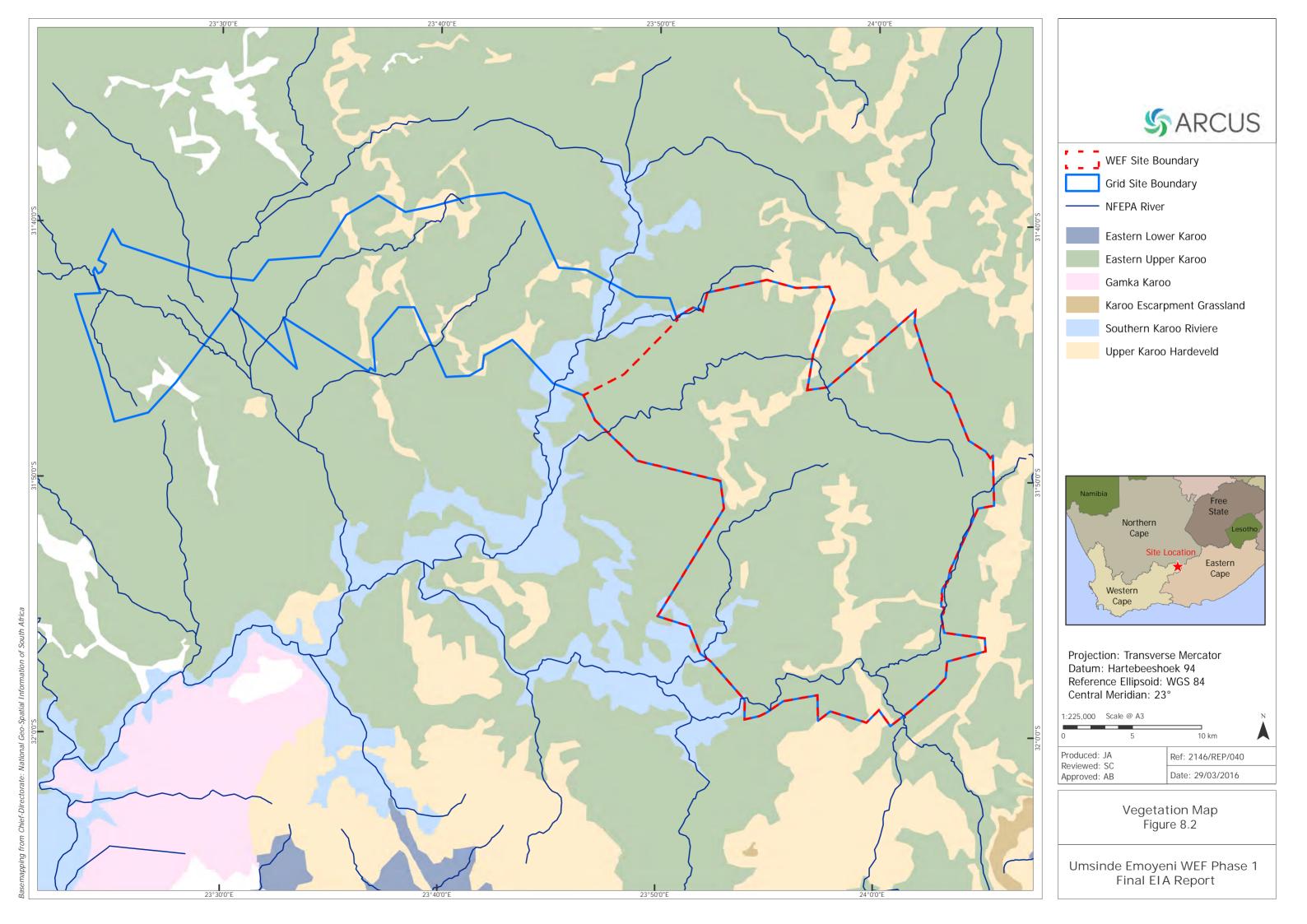
Produced By: DB	Ref: 2244/REP/050	Rev: -	
Reviewed By: SC	Date: 17/01/18		
Approved By: AA	Scale: AS SHOWN @ A3		

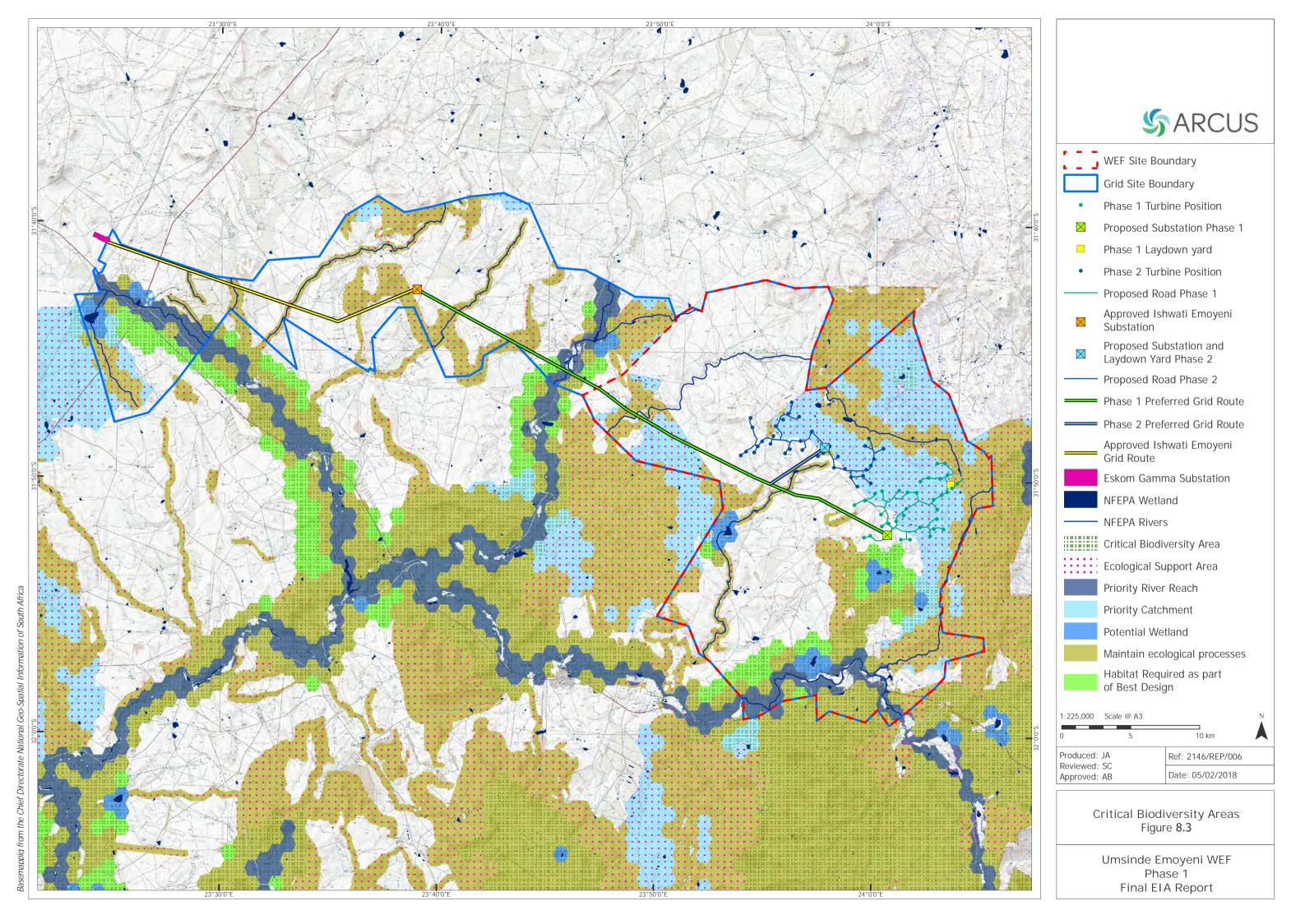
Maximum Turbine Dimensions Figure 1.4

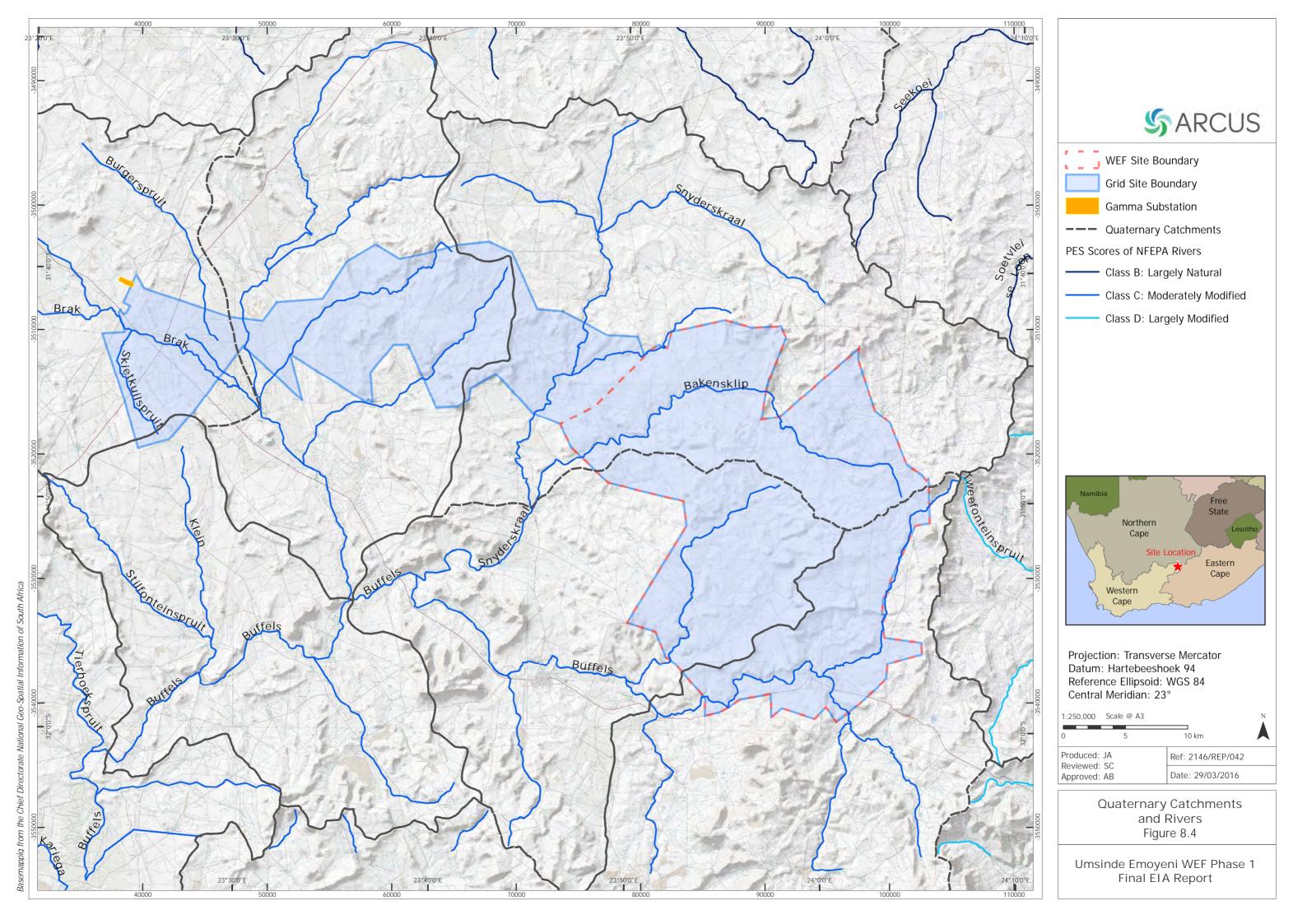
> **Umsinde Emoyeni WEF** Phase 1 Final EIA Report

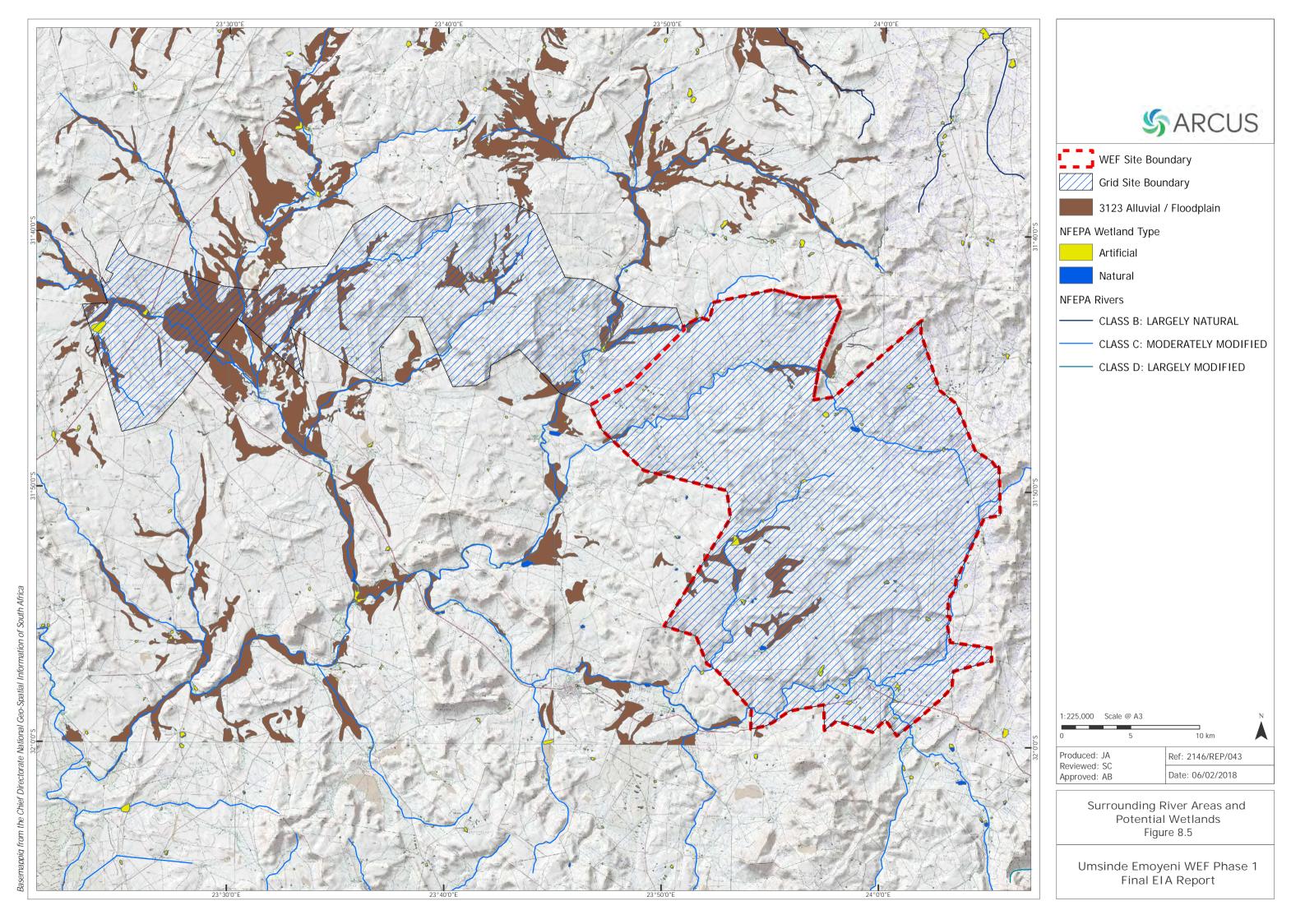


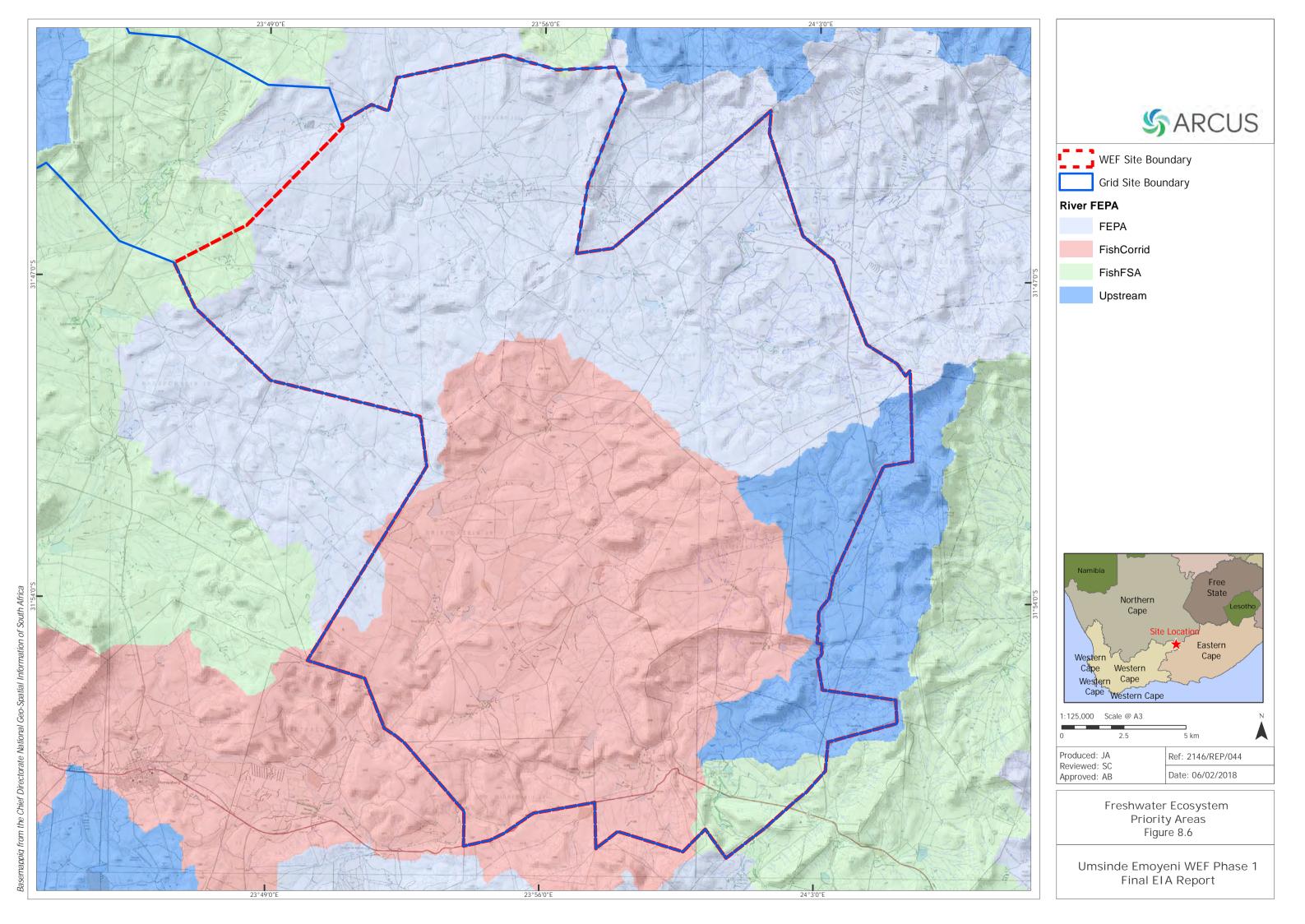


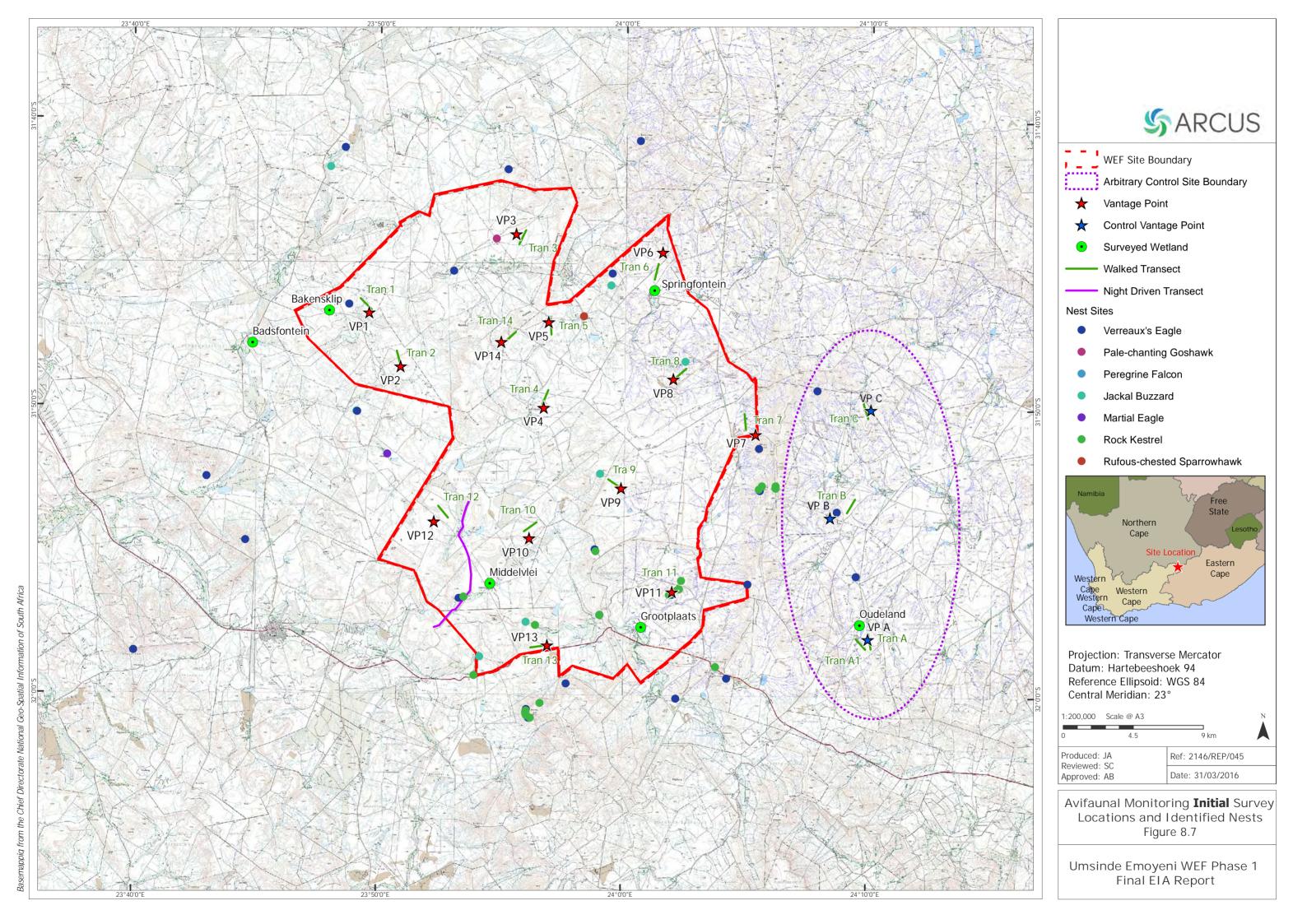


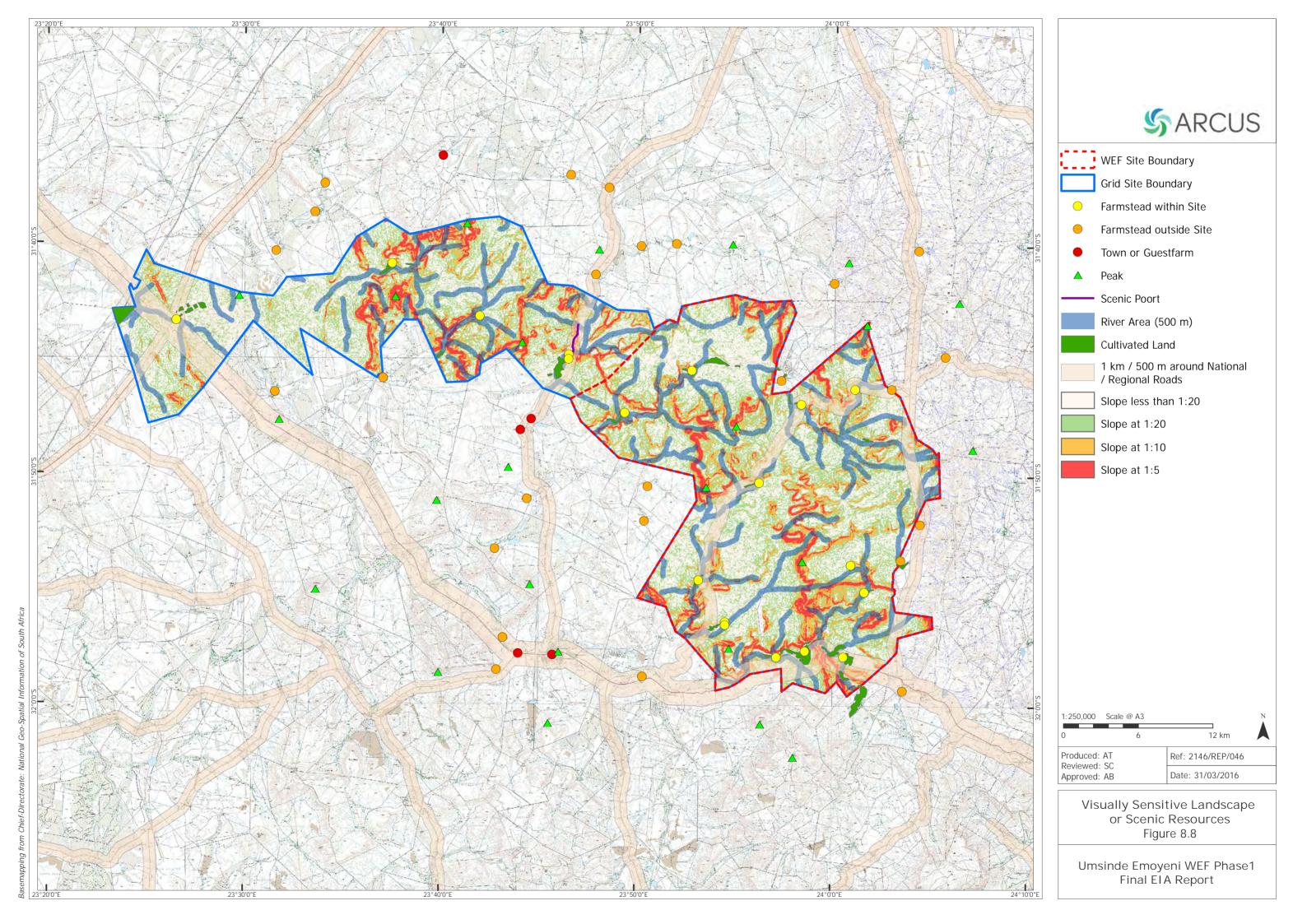


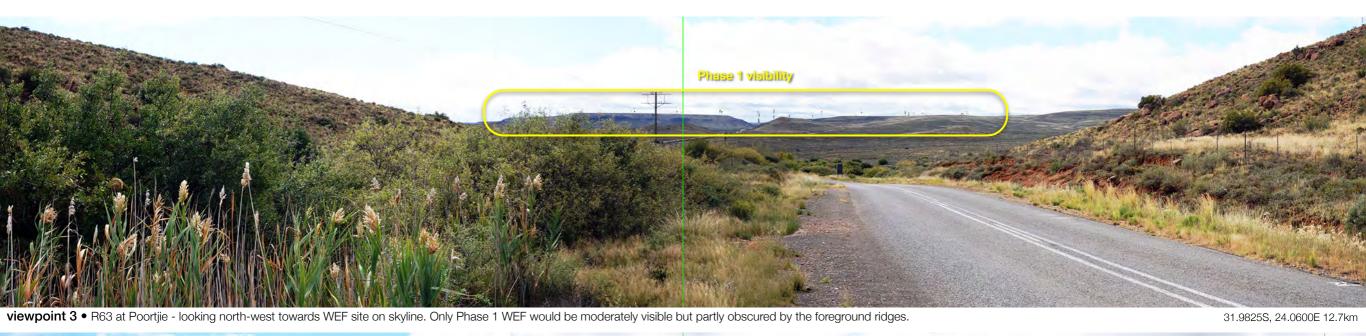














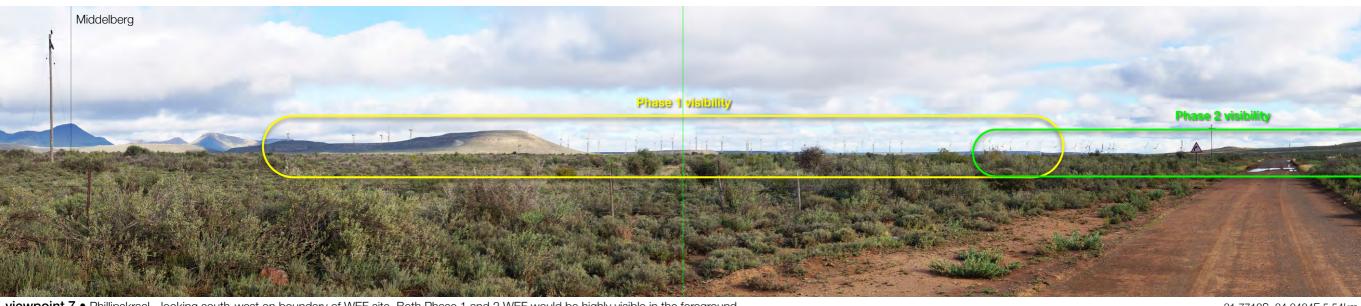
viewpoint 4 • regional road at Witteklip - looking west towards WEF site. Both Phase 1 and 2 WEF would be highly visible across the extent of this view.

31.9014S, 24.0702E 4.33km



viewpoint 5 • near Rhenosterfontein farmstead - looking south-west towards WEF site. Both Phase 1 and 2 WEF would be moderately visible but partly obscured by foreground ridges.

31.7482S, 24.0921E 8.87km

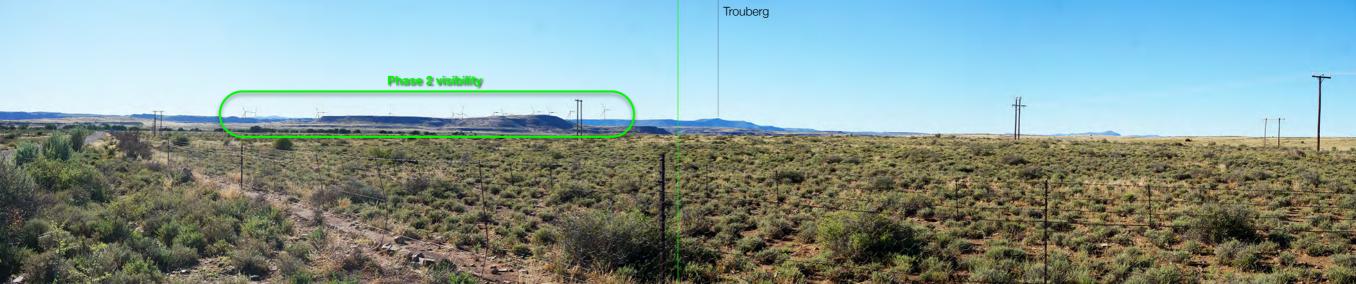


viewpoint 7 ● Phillipskraal - looking south-west on boundary of WEF site. Both Phase 1 and 2 WEF would be highly visible in the foreground.

31.7712S, 24.0484E 5.54km

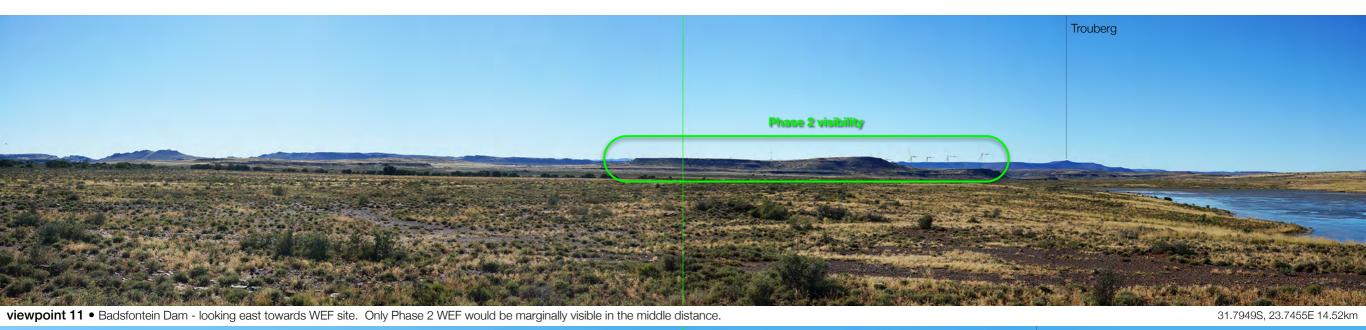


viewpoint 9 • Badsfontein Gate - looking east-south-east towards WEF site. Only Phase 2 WEF would be marginally visible but partly obscured by ridges and trees in the left foreground.



viewpoint 10 • Badsfontein Opstal - looking east towards WEF site. Only Phase 2 WEF would be marginally visible in the middle distance.

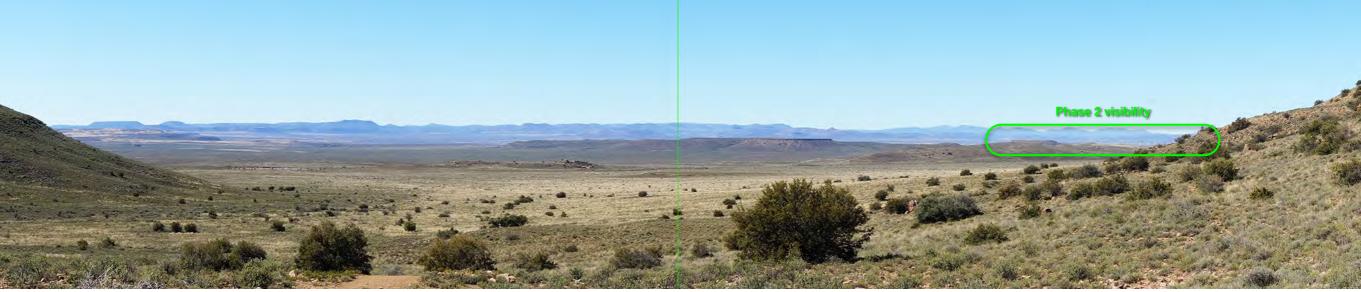
31.7935S, 23.7433E 14.76km





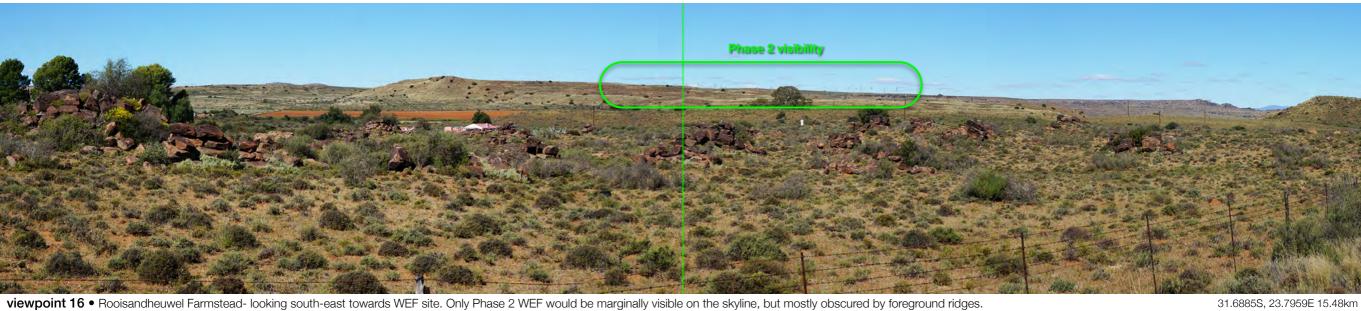
viewpoint 14 • Ratelfontein East - looking south-east towards WEF site 19.3km away. Both Phase 1 and 2 WEF would be marginally visible in the distance.

31.6269S, 23.6833E 27.88km



viewpoint 15 • Ratelfontein Saddle - looking south-east towards WEF site 19.9km away. The WEF would be marginally visible in the distance.

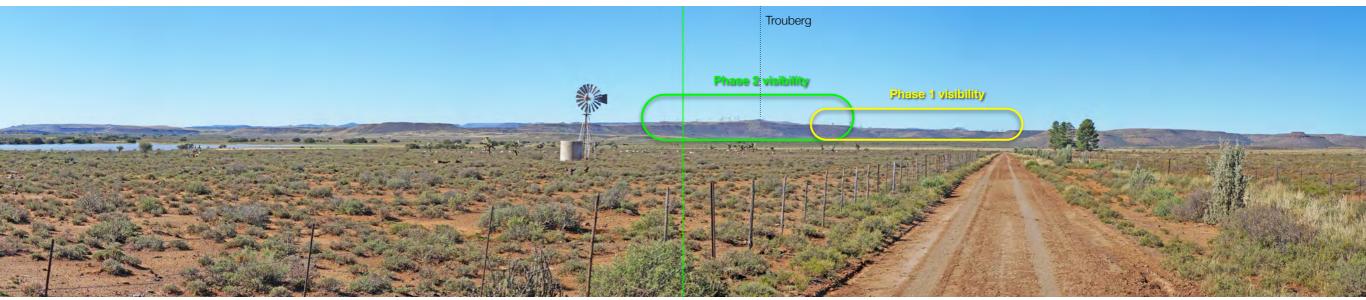
31.6262S, 23.6769E 28.43km



Middelberg Trouberg Phase 2 visibility

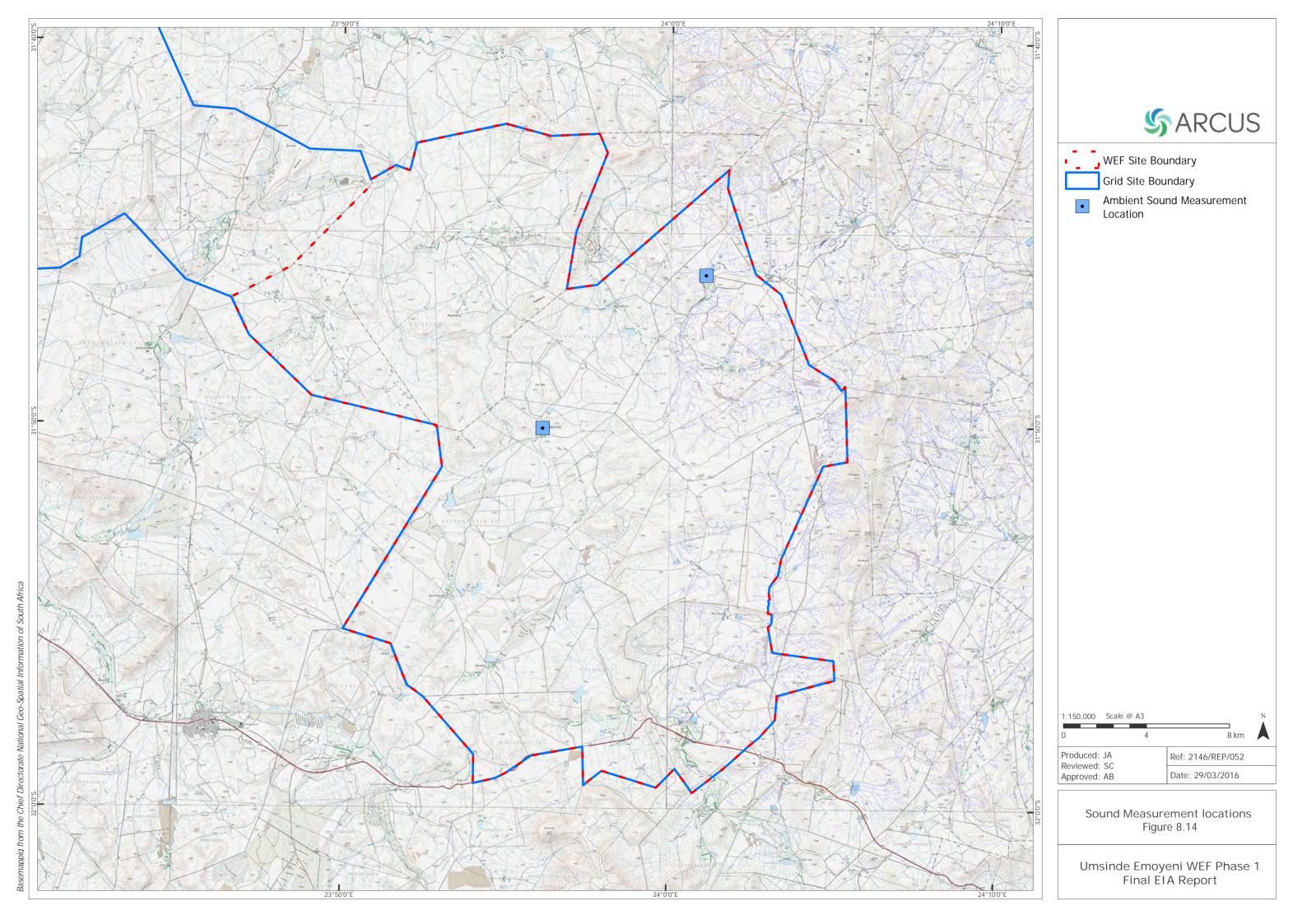
viewpoint 17 • Snyderskraal Farmstead - looking east towards WEF site. Only Phase 2 WEF would be marginally visible on the skyline ridges.

31.8500S, 23.7432E 14.94km



viewpoint 18 • Brookfield farm road - looking east towards WEF site. Both Phase 1 and 2 WEF would be marginally visible on the skyline ridges.

31.8882S, 23.7233E 18.14km



Basemapping from Chief-Directorate: National Geo-Spatial Information of South Africa

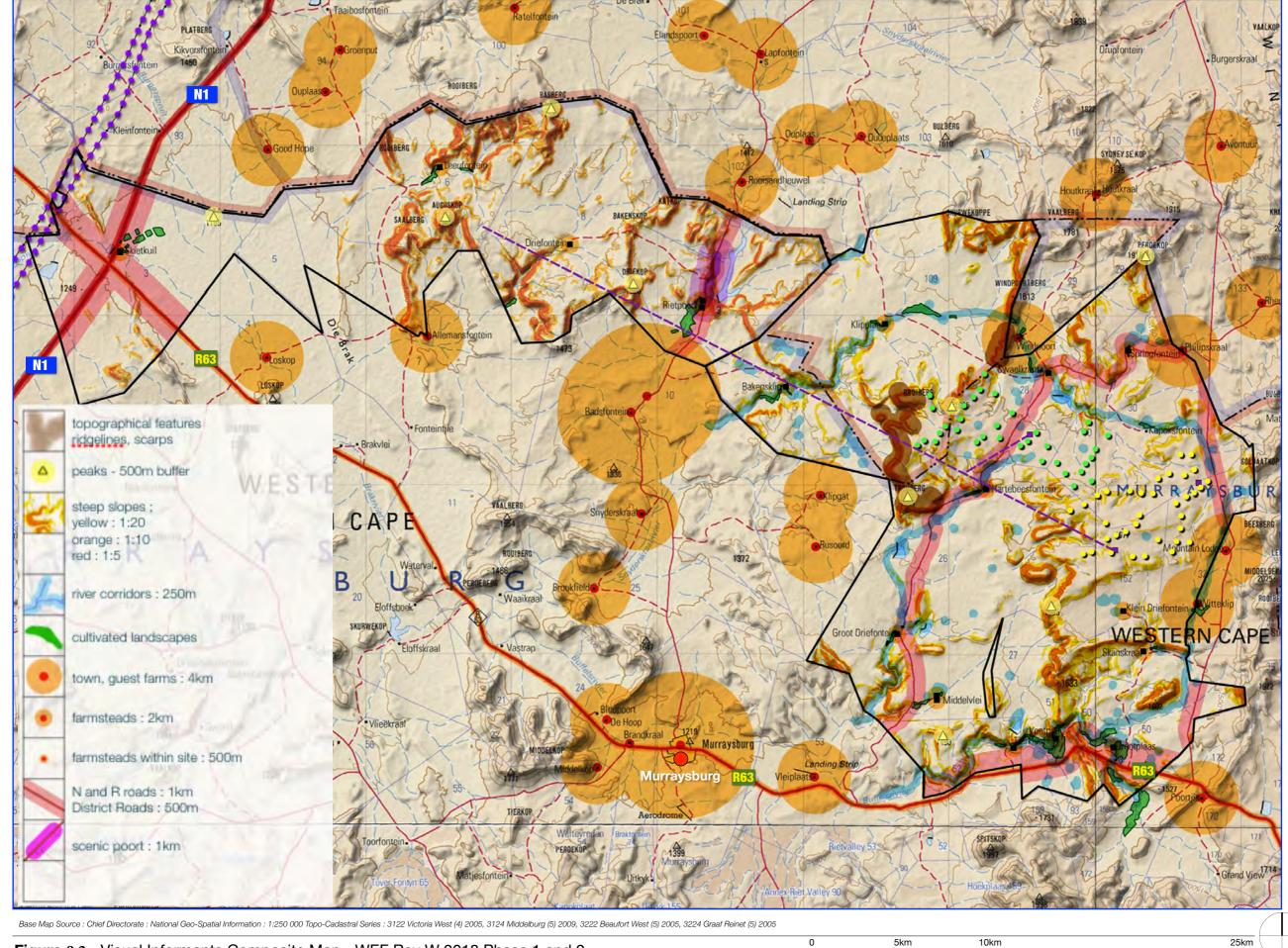
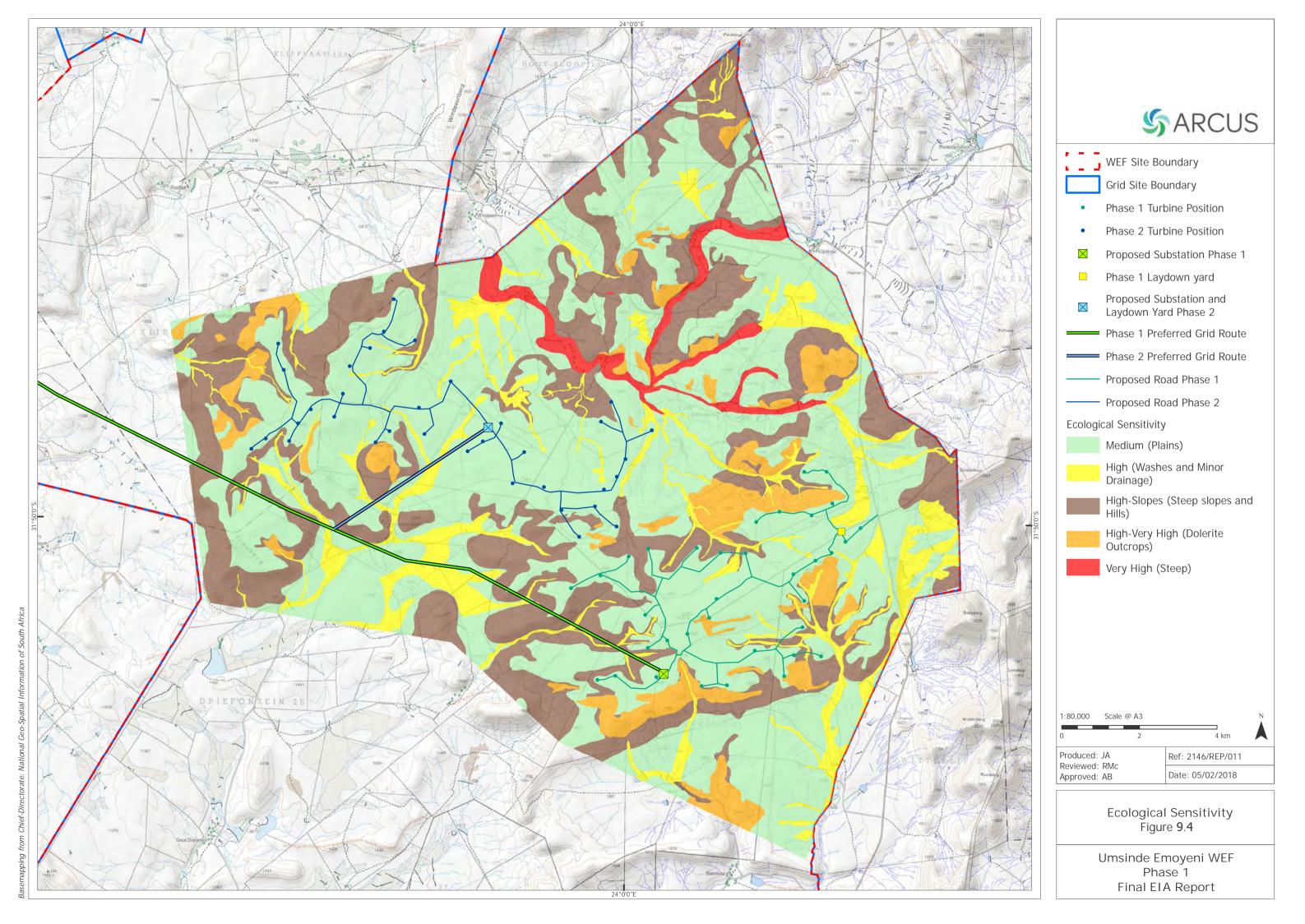
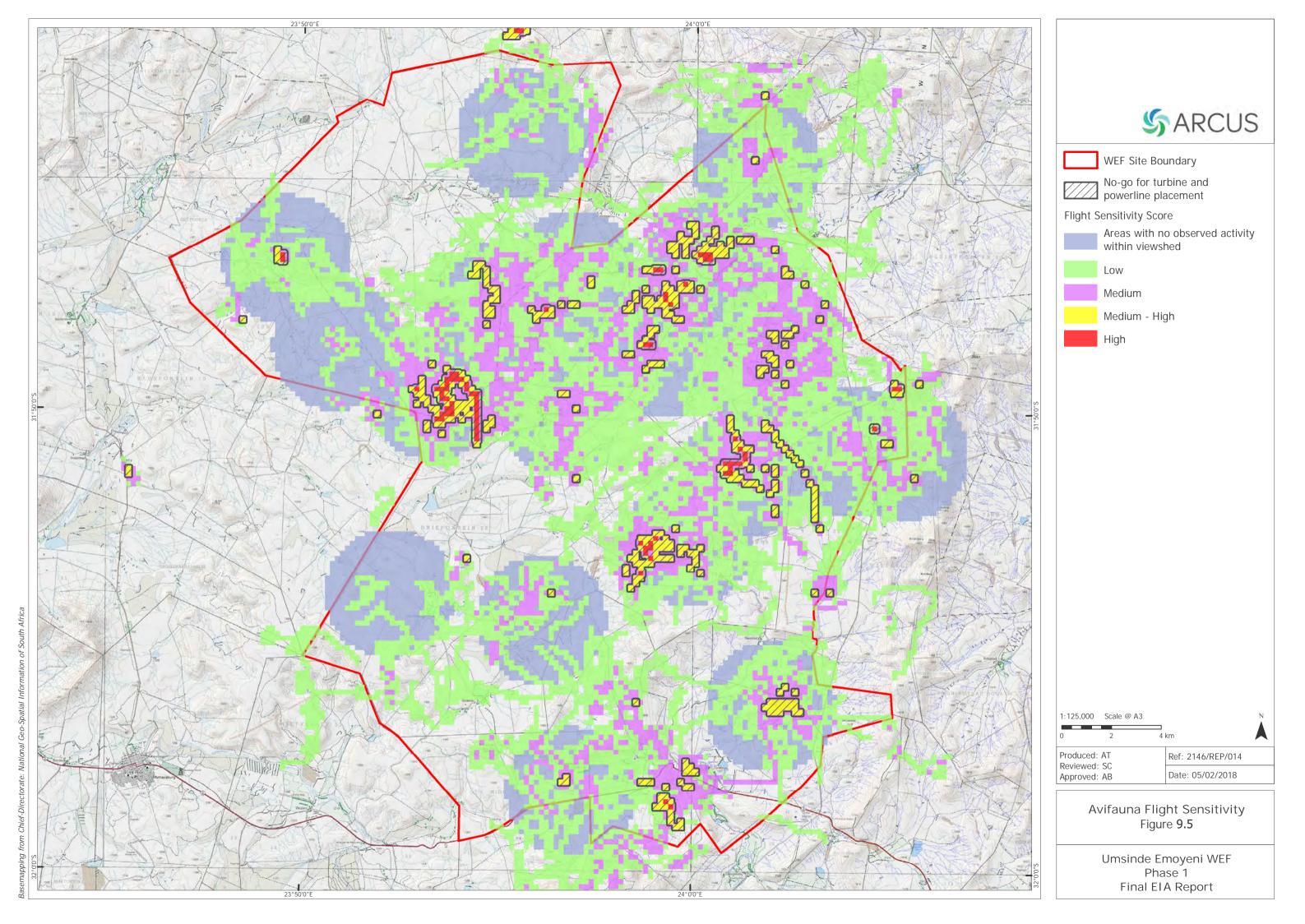
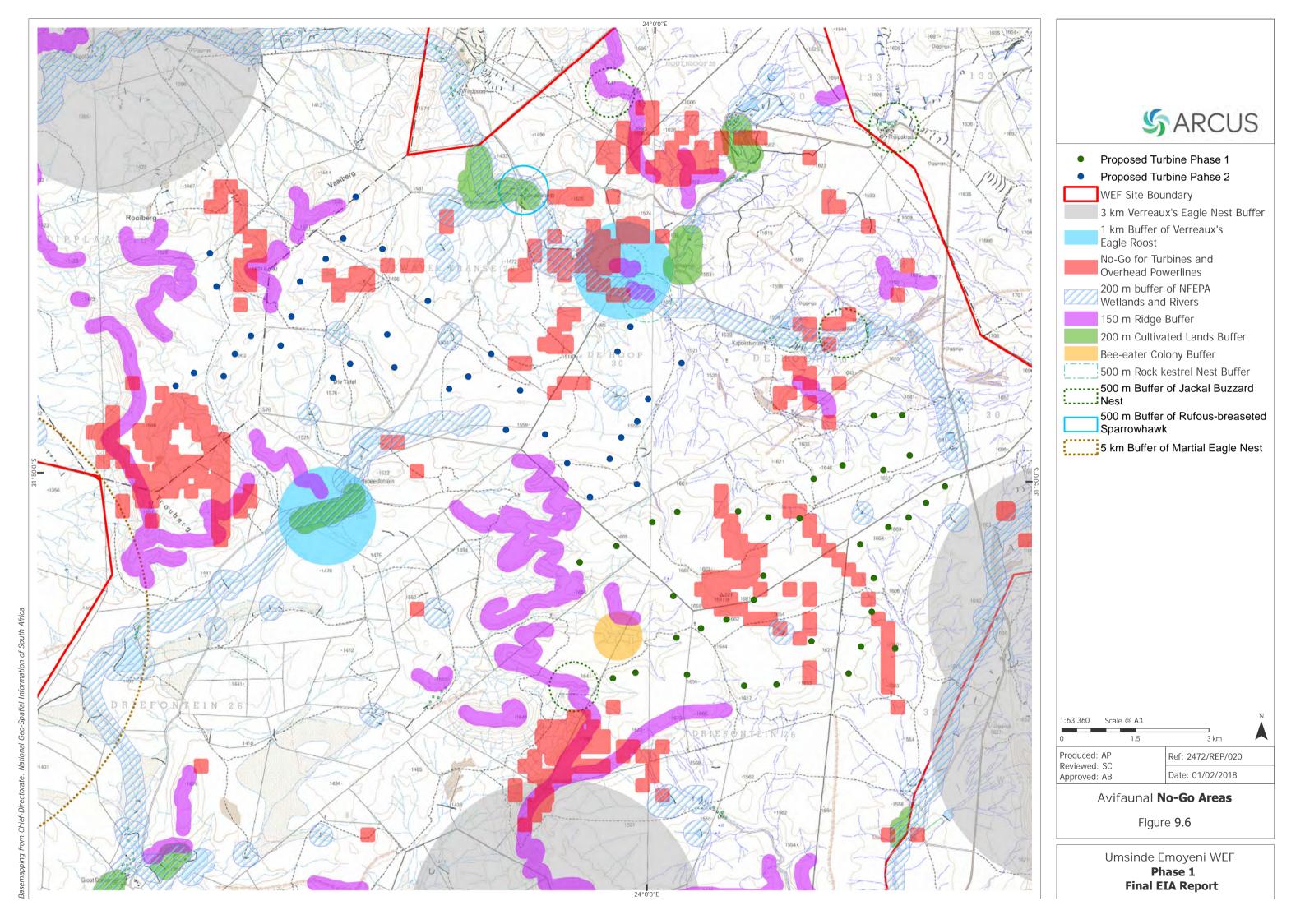


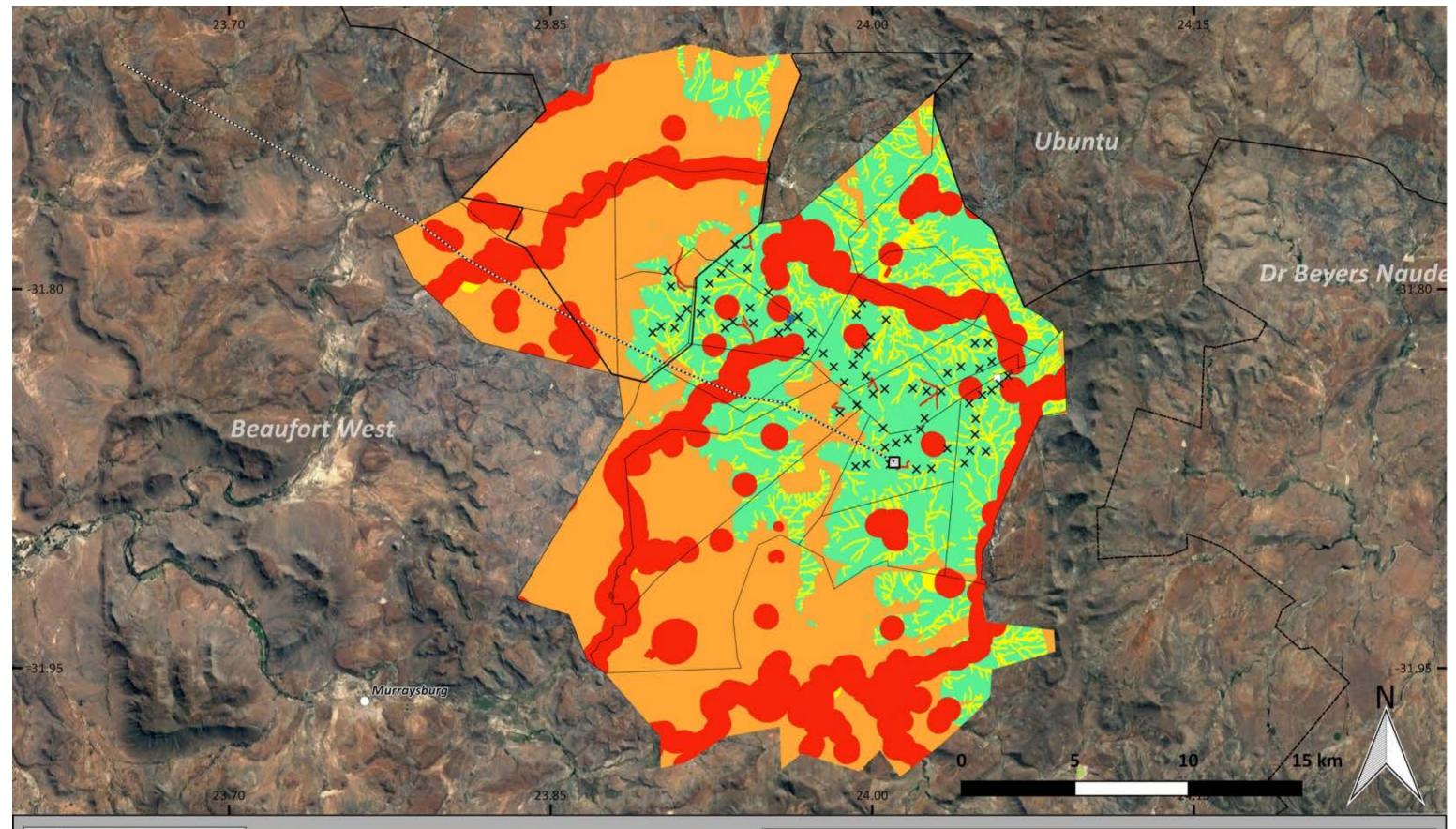
Figure 9.2 • Visual Informants Composite Map • WEF Rev W 2018 Phase 1 and 2

10km











Inkululeko Wildife Services

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Arcus Consultancy Services

Tel: +27 (0) 21 412 1529

Map produced by Inkululeko Wildlife Services, 2018

(e.g.)
Aerial Imagery - TerraMetrics (Google Earth) (2018)
Topography - SANBI (2006); Municipal Demarcation Board

WEF Infrastructure - Arcus (2017-2018) Sensitivity Map - NSS (2015) and IWS (2017-2018)

Scale=1:266 000

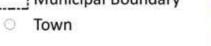
Legend

Bat Sensitivity Figure 9.7

- × Wind Turbine (Both Phases) (Proposed)
- Phase 1 Substation (Proposed)
- ----- Grid Transmission Line (Proposed)
- Phase 1 Laydown Yard
- Phase 2 Substation and Laydown Yard

Umsinde Key Properties

Municipal Boundary



Umsinde Emoyeni WEF **Bat Sensitivity**

High

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Medium-High

Medium

Low

