

Figure 1: Preliminary Environmental Sensitivity Map from the results of the scoping evaluation for the Rondavel Solar PV facility, indicating the recommended development envelope to be assessed within the EIA Phase.



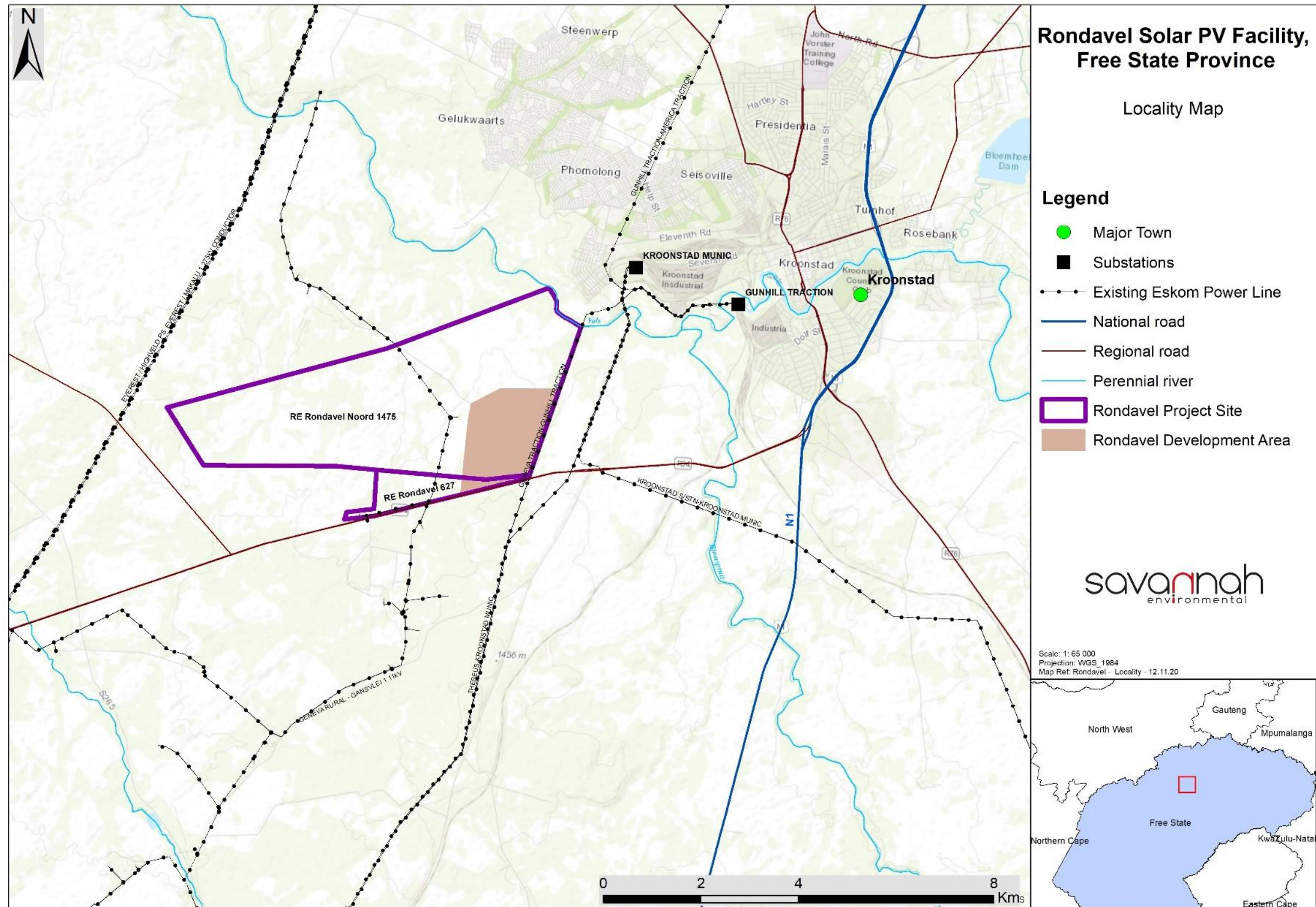


Figure 1.1: Locality map illustrating the location of the Rondavel Solar Energy Facility project site on remaining extent of the farm Rondavel Noord No. 1475 and the remaining extent of the farm Rondavel No. 627



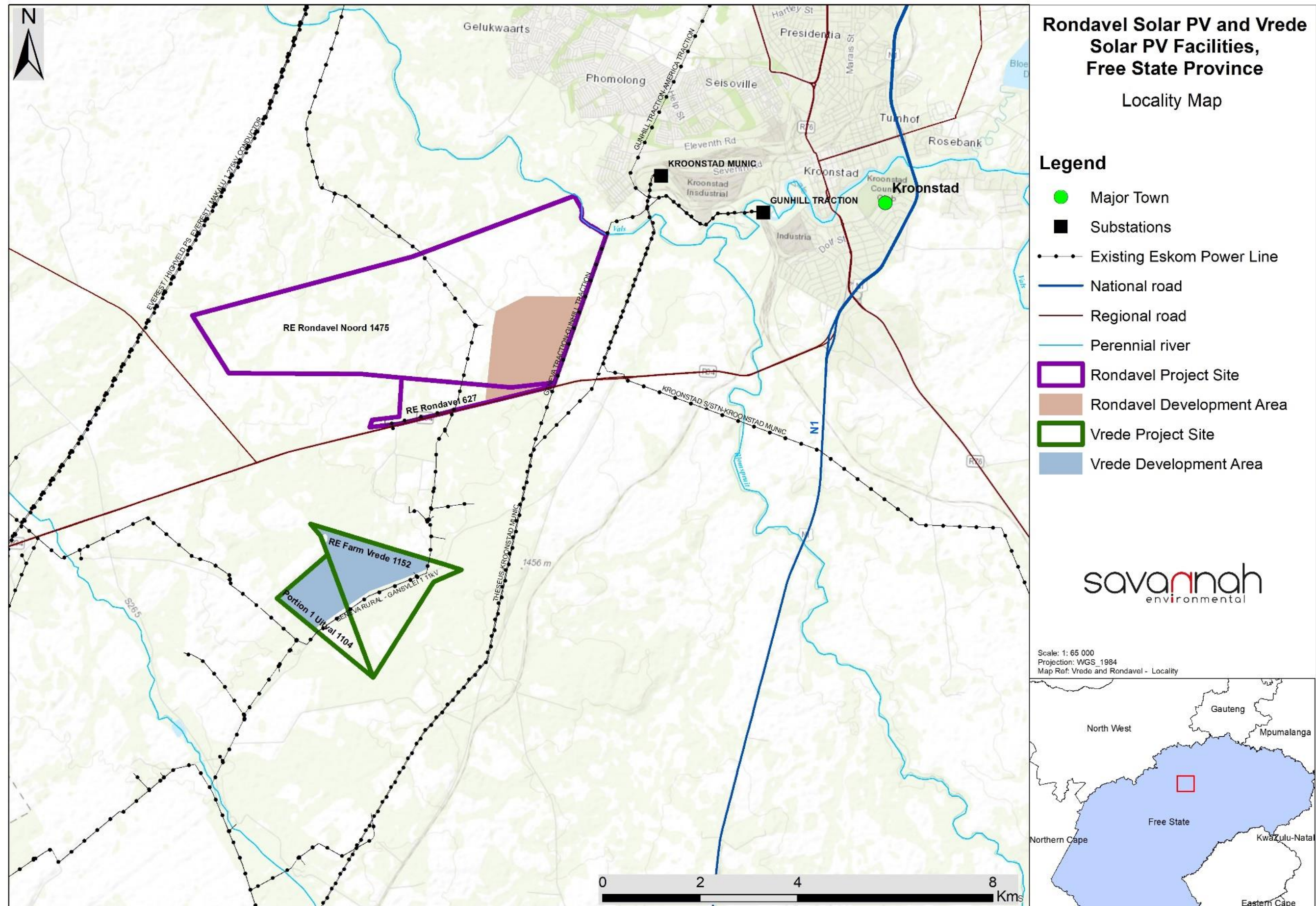


Figure 1.2: Locality map illustrating the locations of the planned Rondavel Solar PV Facility development area in relation to that of the Vrede Solar PV facility



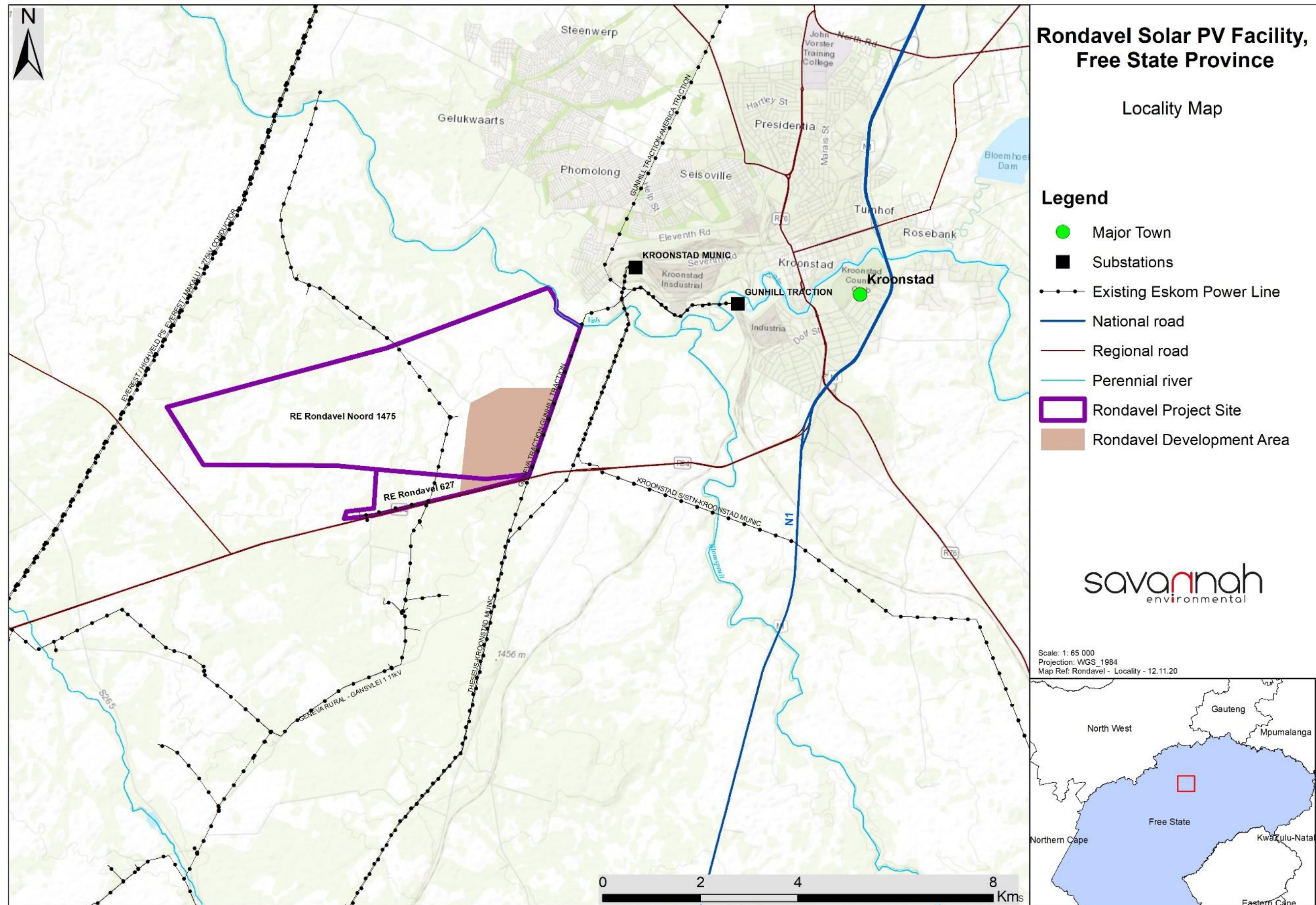


Figure 2.1: Map illustrating the development area within the project site for the Rondavel Solar PV project .





Figure 5.4: Existing road infrastructure within the vicinity of the development area for the Rondavel Solar PV Facility. This infrastructure will primarily be used to gain access to the development area



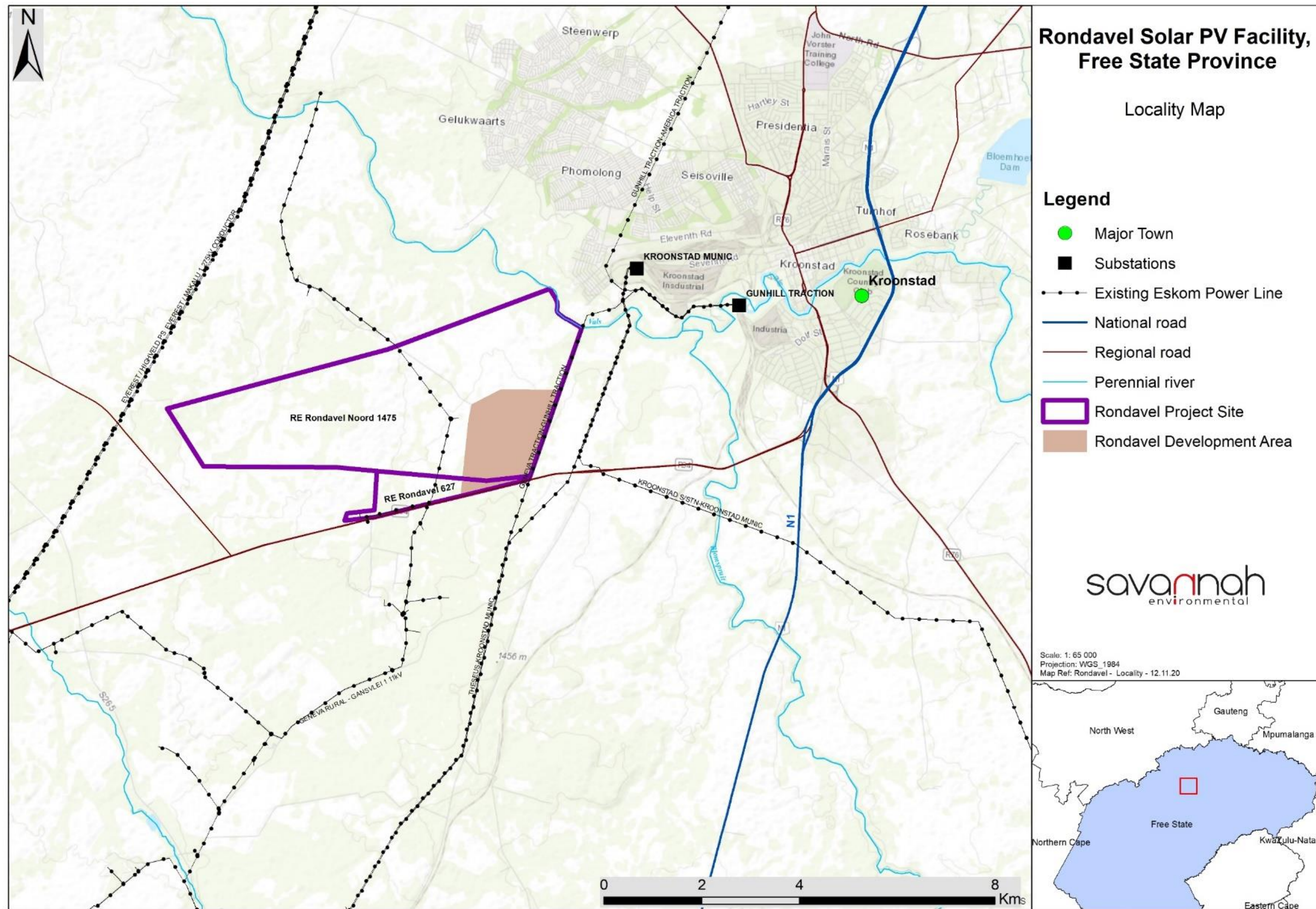


Figure 5.5: The Rondavel Solar PV Facility project site in relation to the Eskom Kroonstad Municipality – Theseus 1 132kV power line (south-east) into which the facility is planned to loop in, loop out in order to evacuate the energy to the national grid



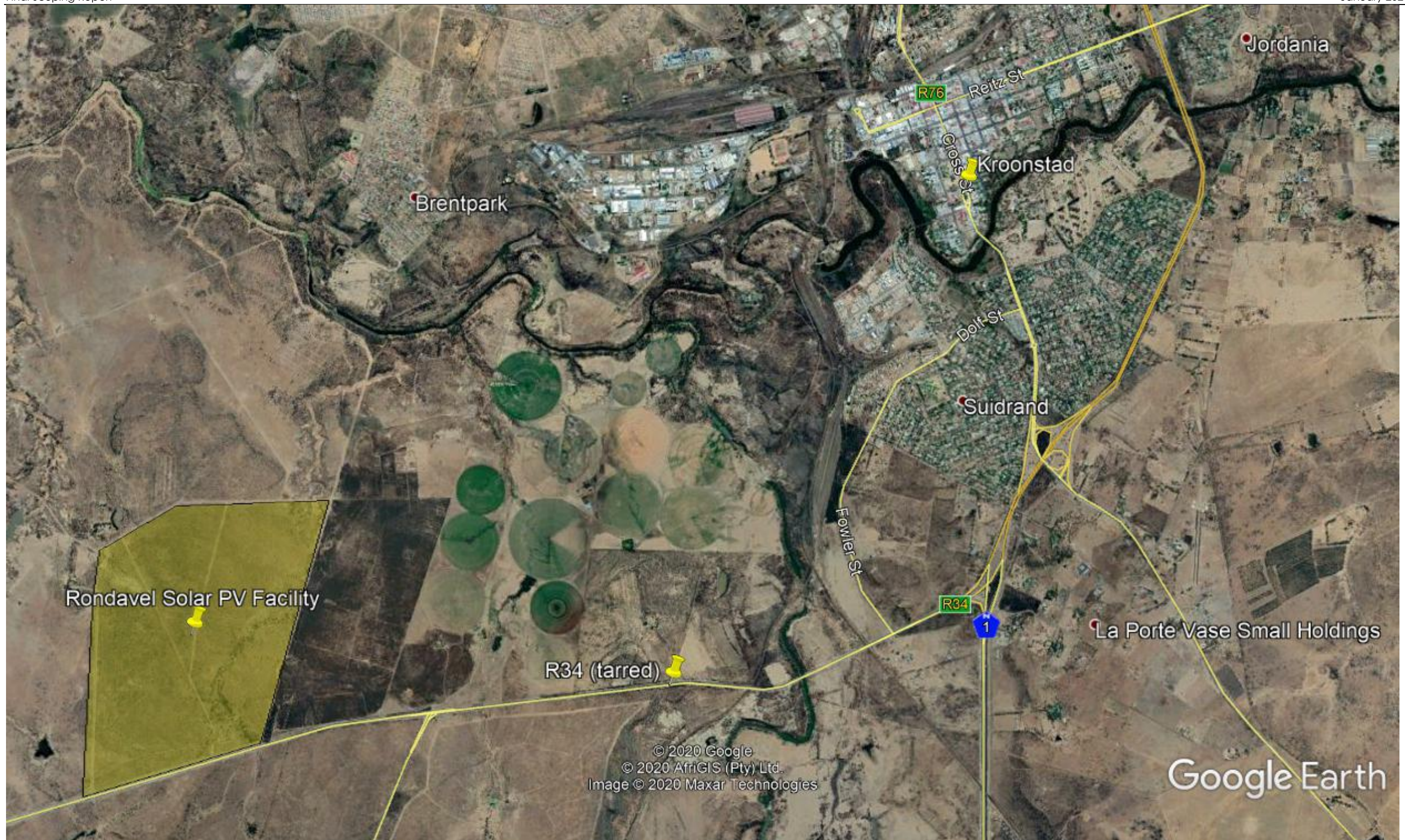


Figure 7.1: Regional map showing the location of the development area relative to Kroonstad town and the main roads in the area



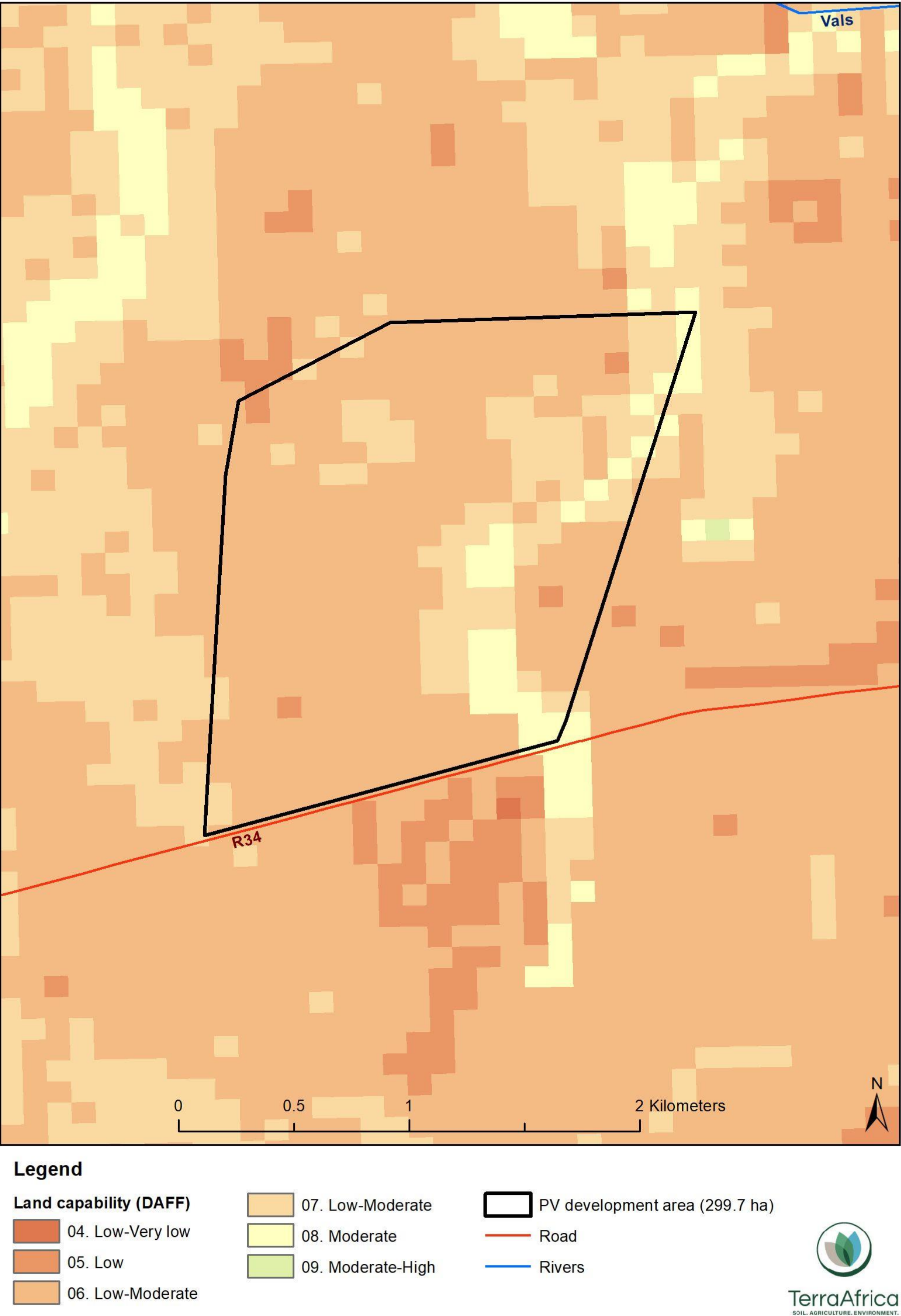
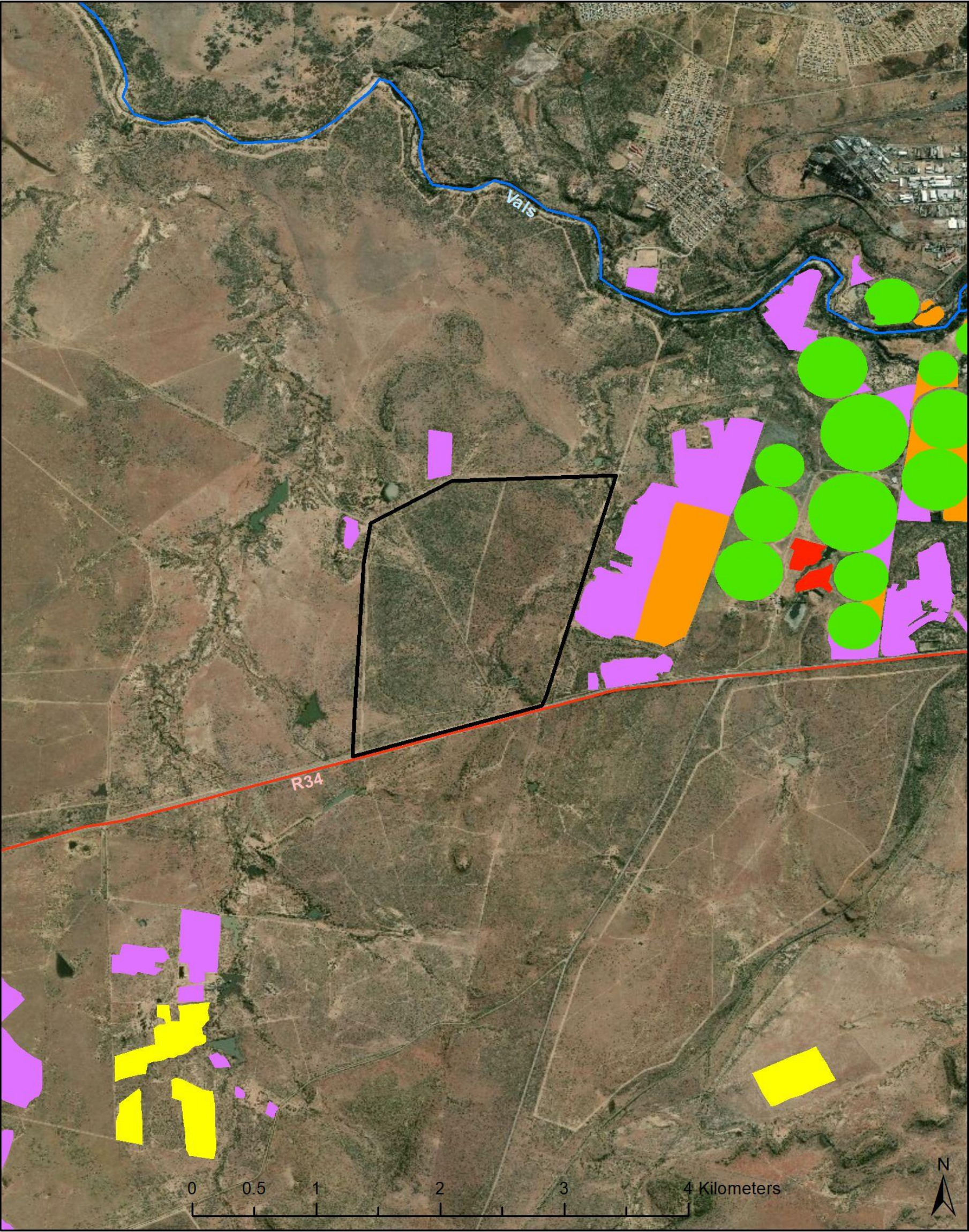


Figure 7.2: Land capability classes of the project development area





Legend

Field crops

- Horticulture
- Non-pivot irrigated Annual Crop Cultivation / Planted Pastures

- Old Fields
- Pivot Irrigation
- Rainfed Annual Crop Cultivation / Planted Pastures

- PV development area (299.7 ha)
- Road
- Rivers



Figure 7.3: Locality of field crops around the development area of the Rondavel Solar Energy Facility.



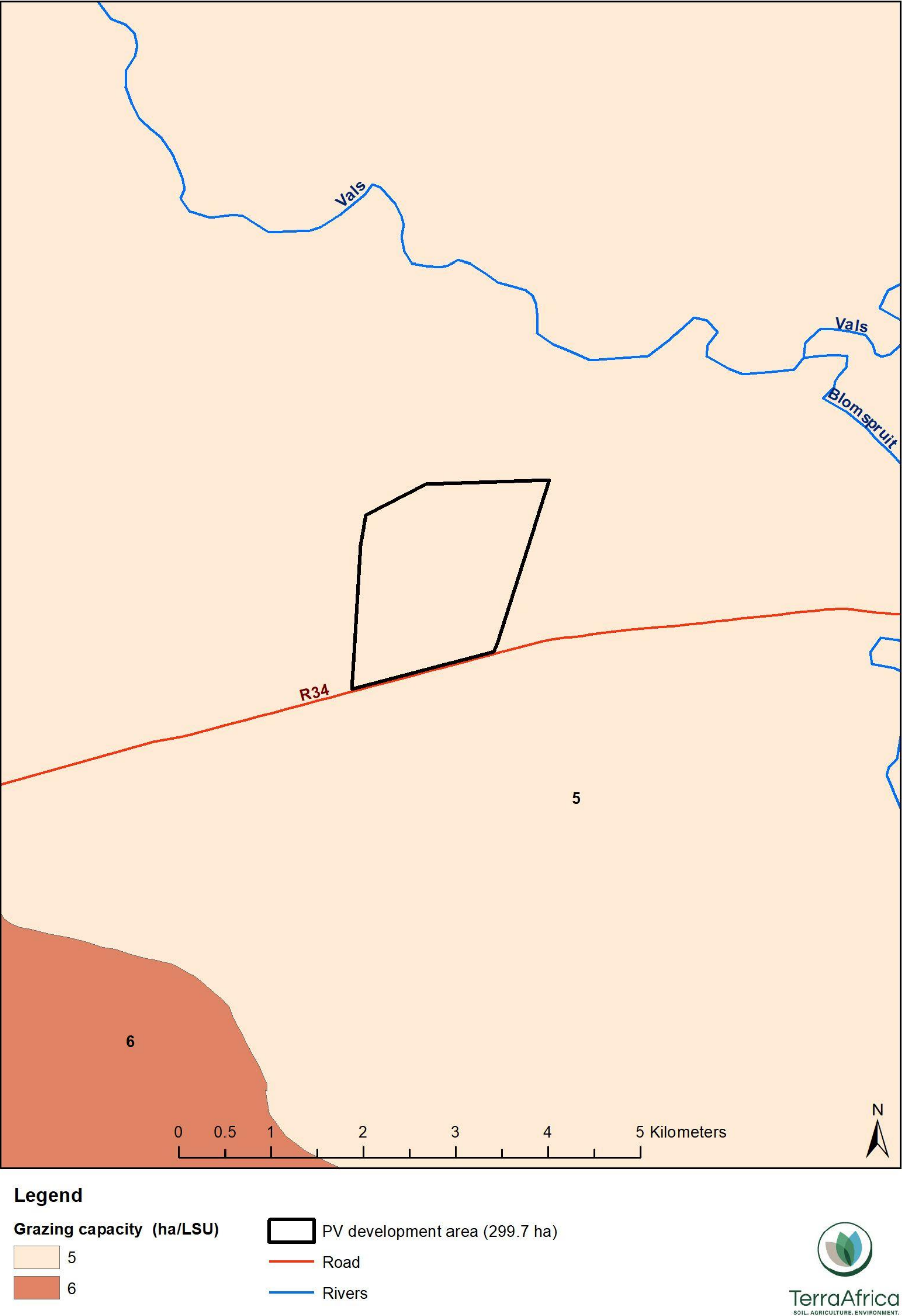
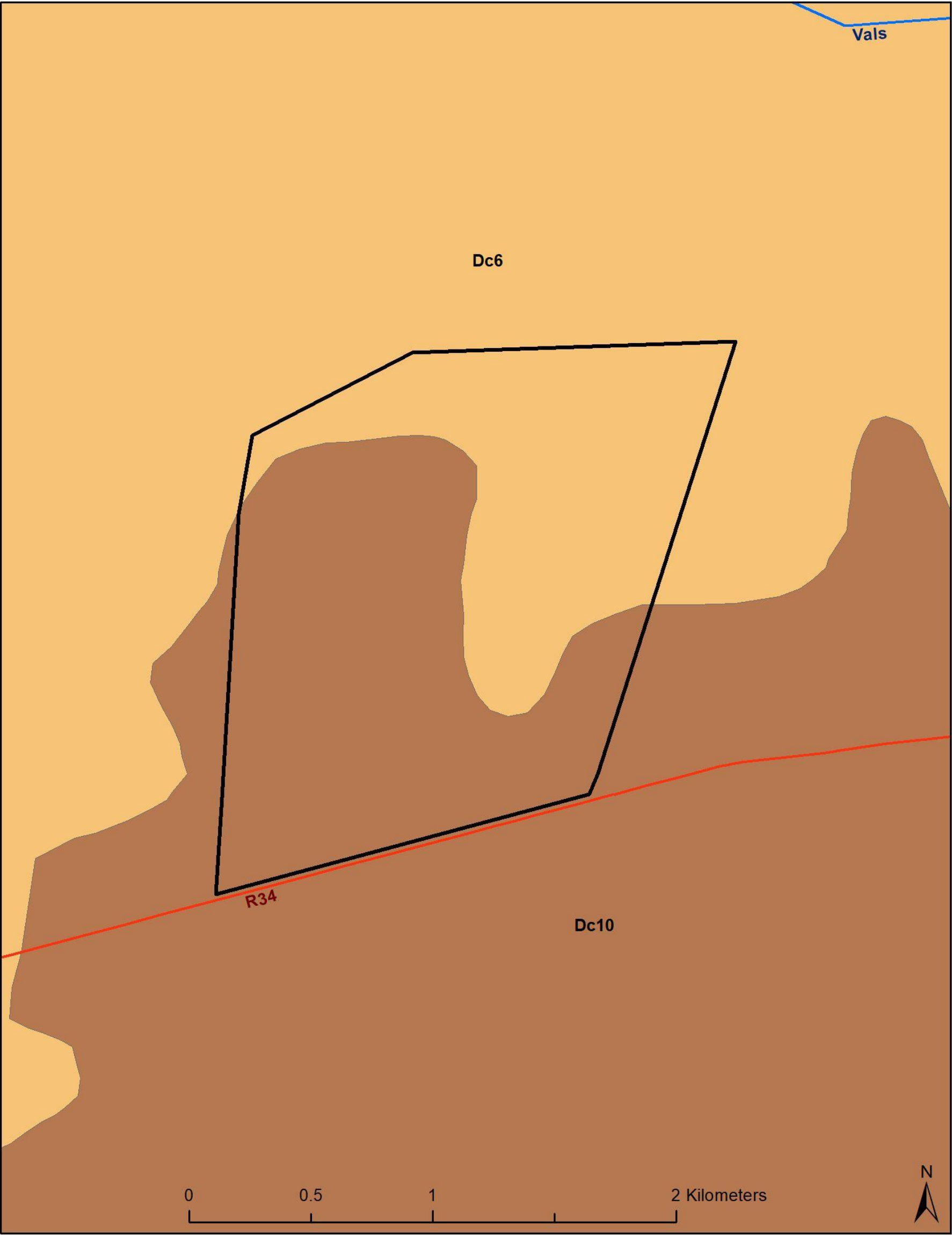


Figure 7.4: Long-term grazing capacity of the development area.





Legend

Land type

- Dc10
- Dc6

- PV development area (299.7 ha)
- Road
- Rivers



Figure 7.5: Land type classification of the development area..



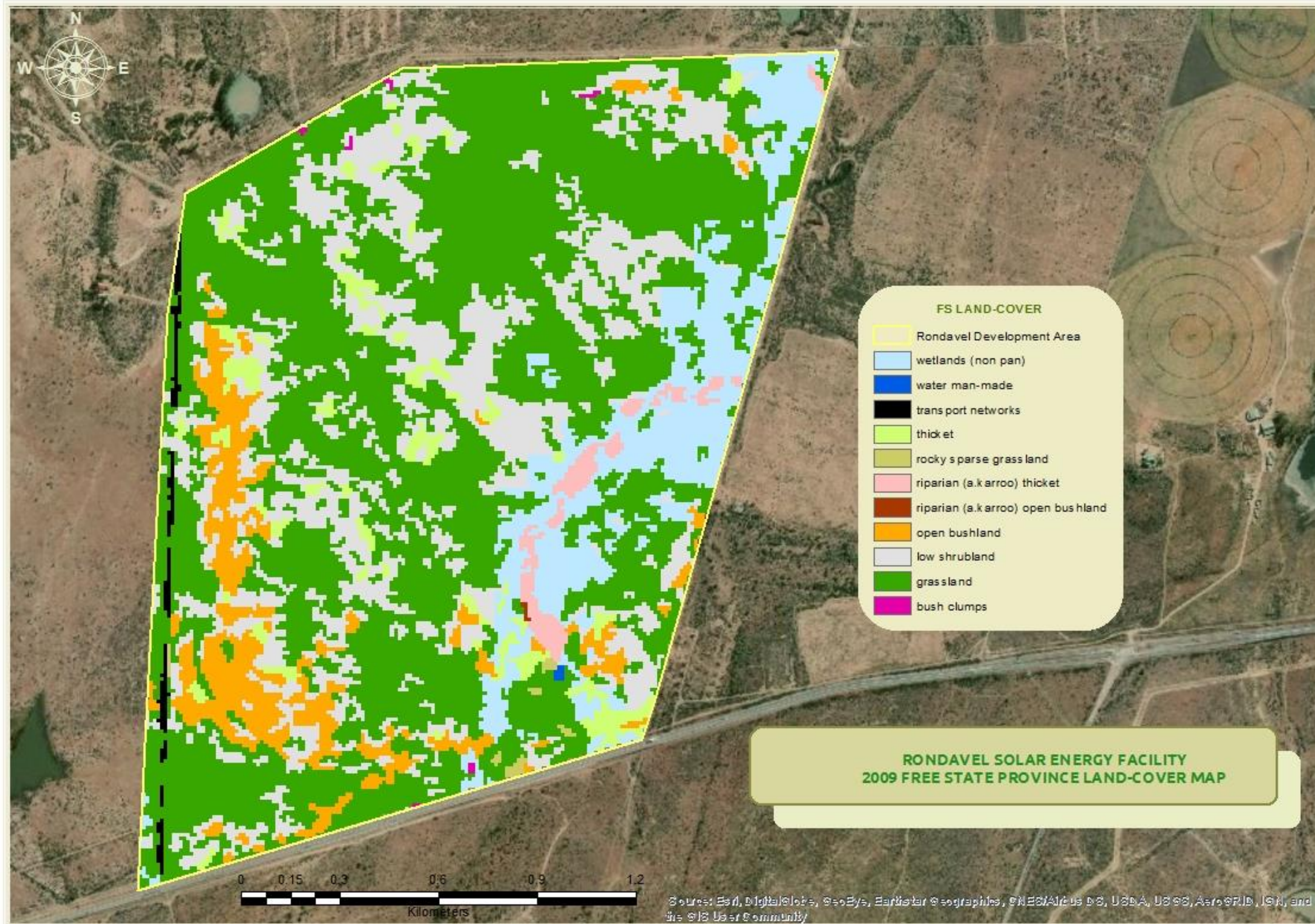


Figure 7.6: Free State Land Cover Map (2009) for the development area.



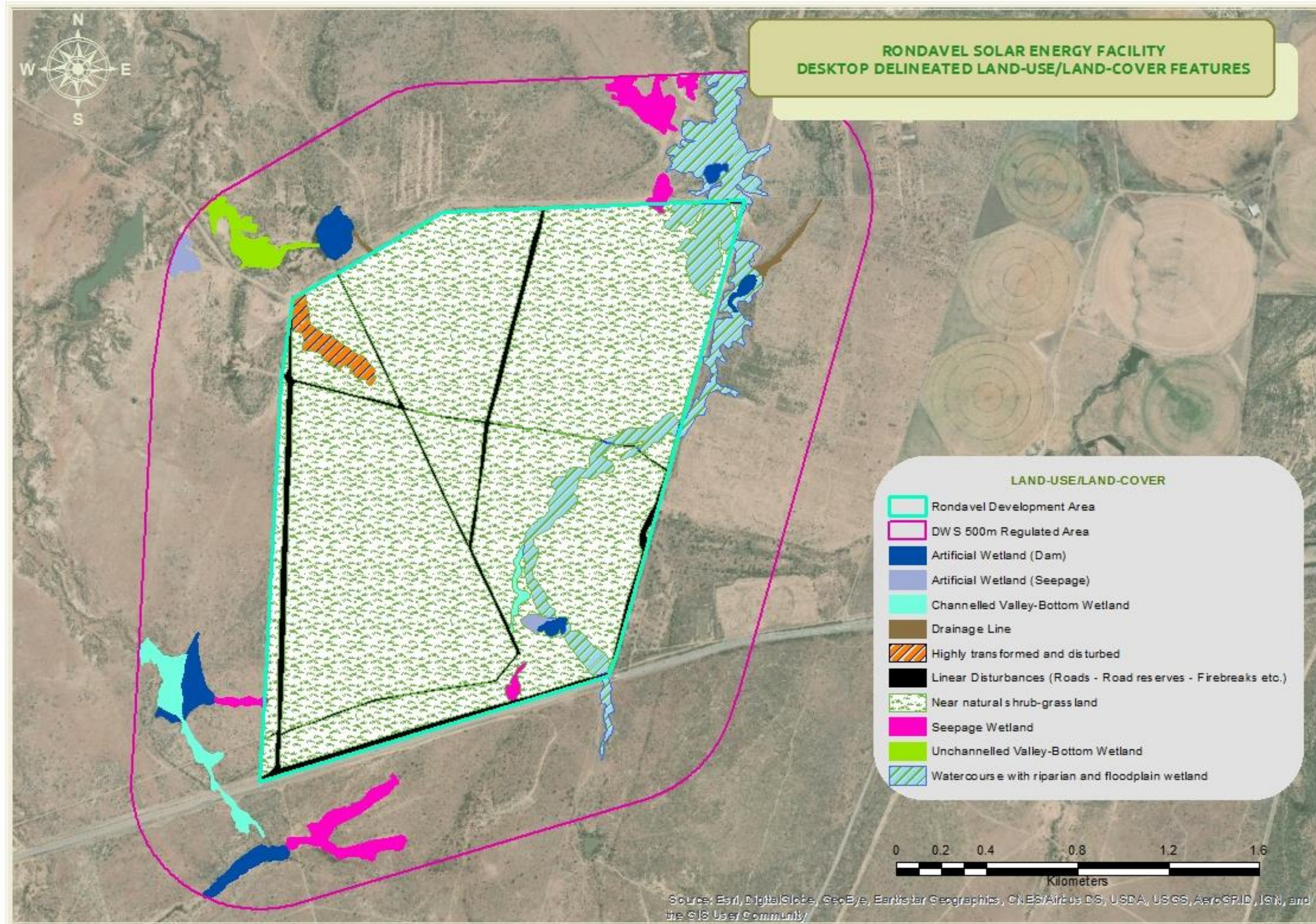


Figure 7.7: Desktop land use map of the development area, to be refined during the EIA phase assessments.



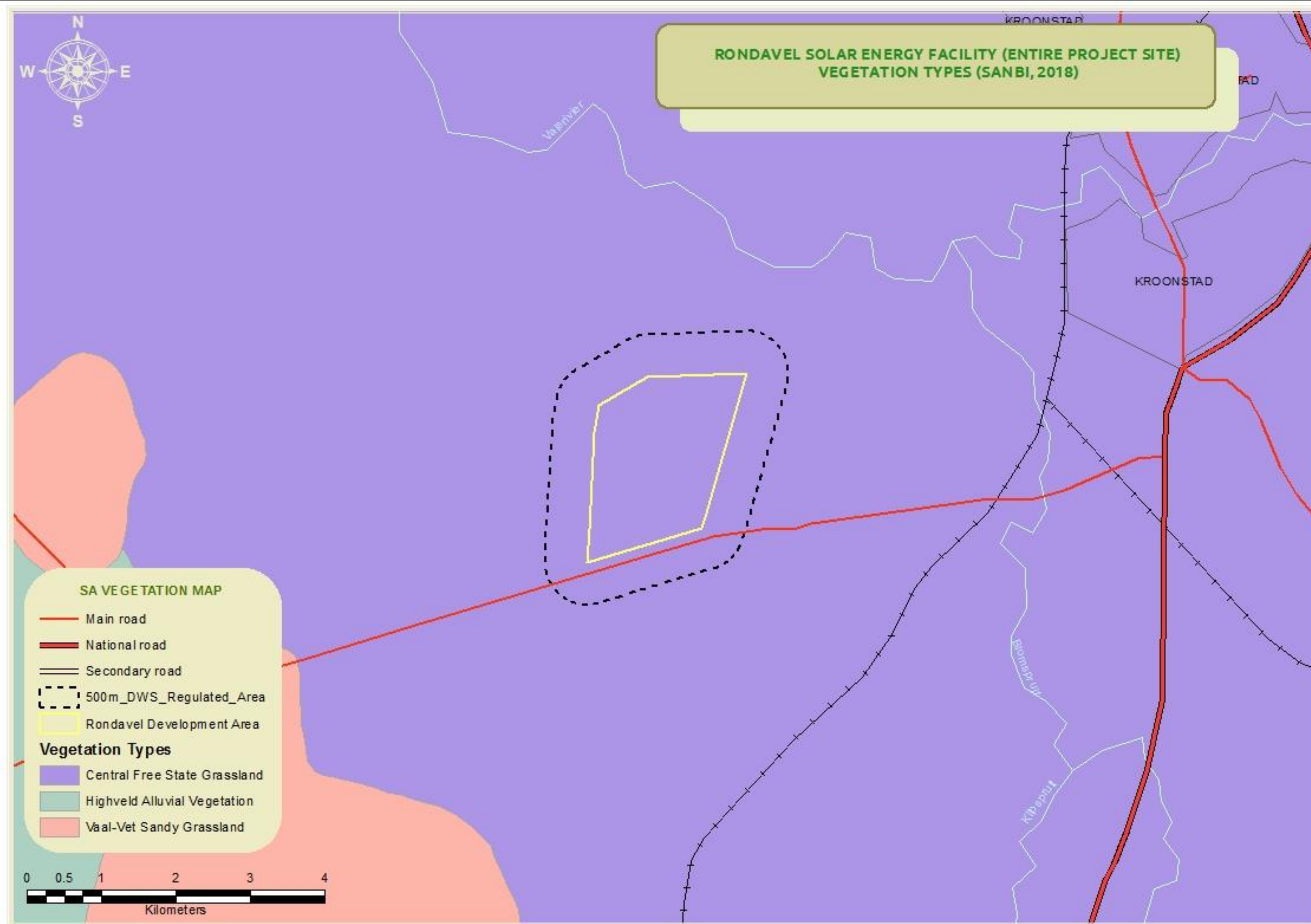


Figure 7.8: Vegetation map of the project site and development area (SANBI, 2018).



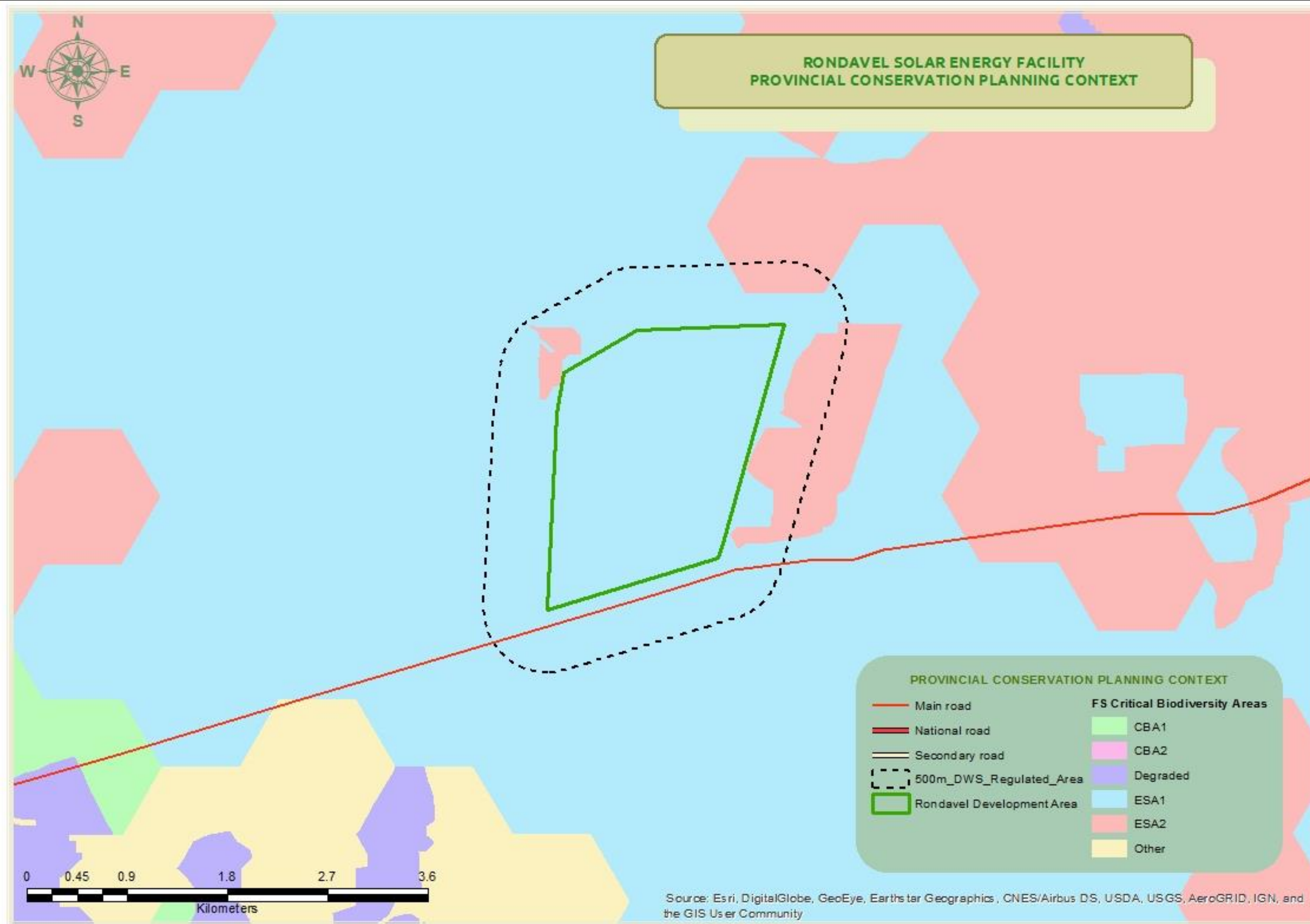


Figure 7.9: Provincial Level Conservation Planning Context – CBA/ESA Map (Free State Province Biodiversity Conservation Assessment).



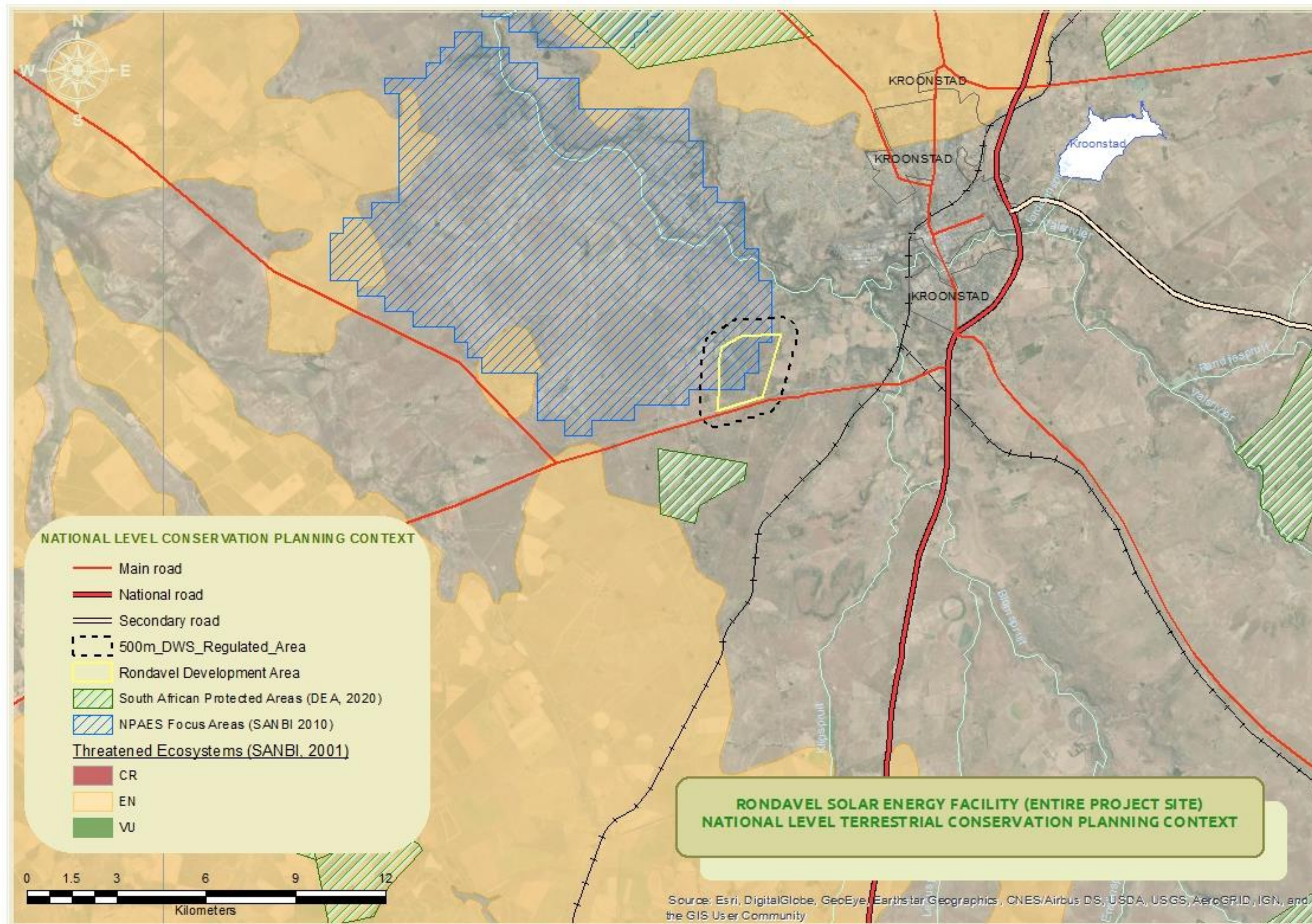


Figure 7.9: National Level Terrestrial Conservation Planning Context.



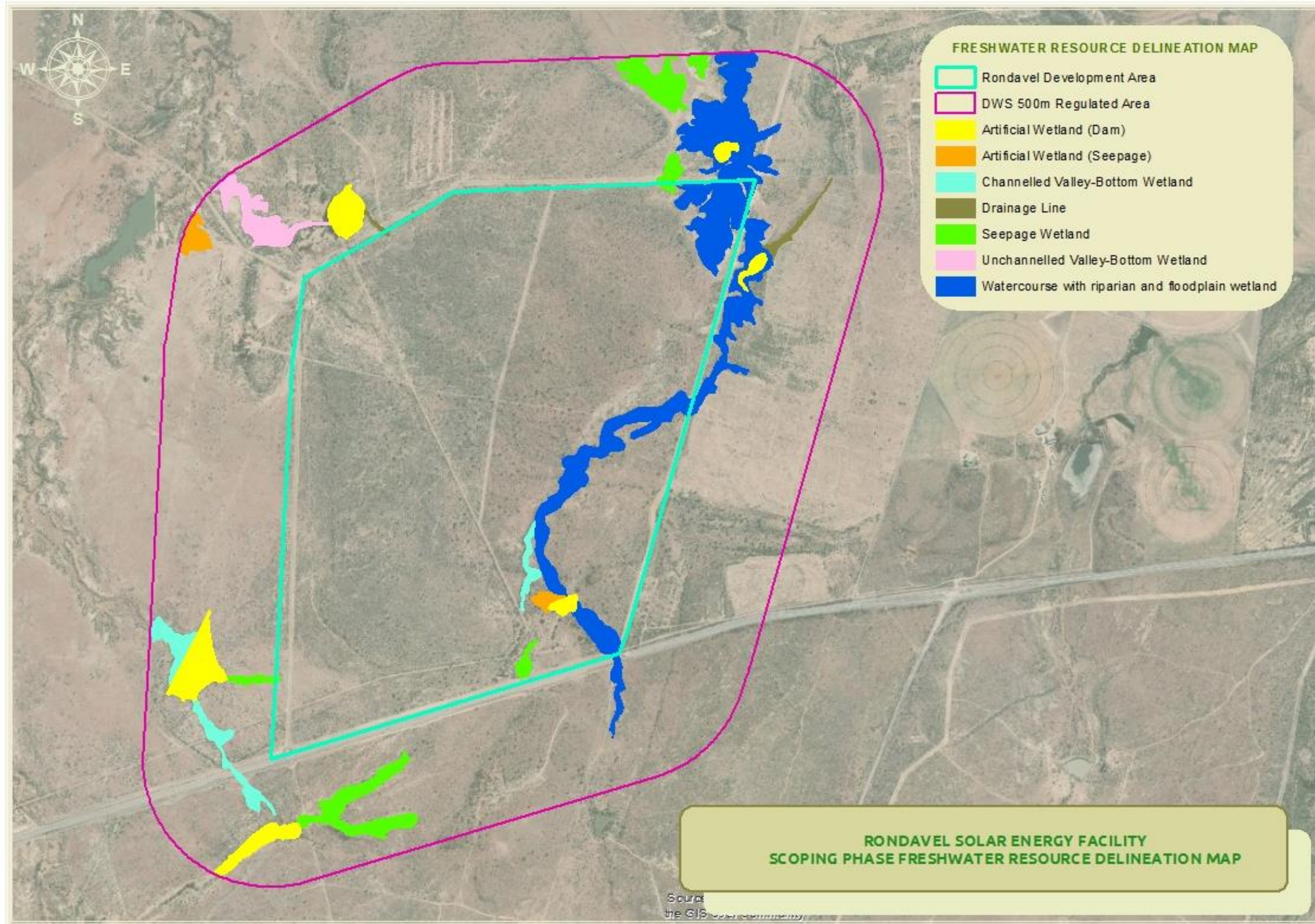


Figure 7.10: Desktop wetland delineation within the development area, to be confirmed during the EIA phase assessments.



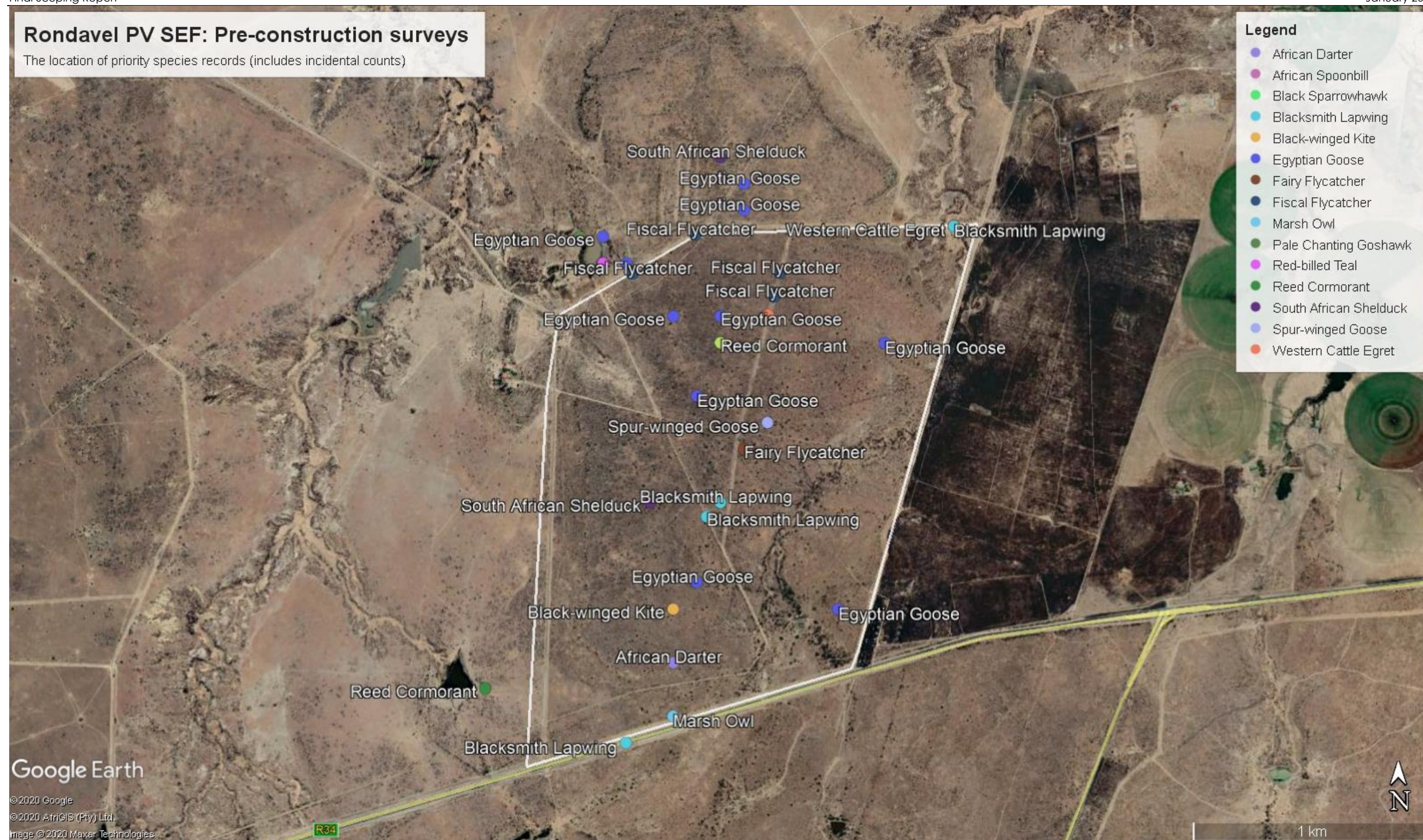


Figure 7.14: The location of priority species recorded during transect and incident counts.



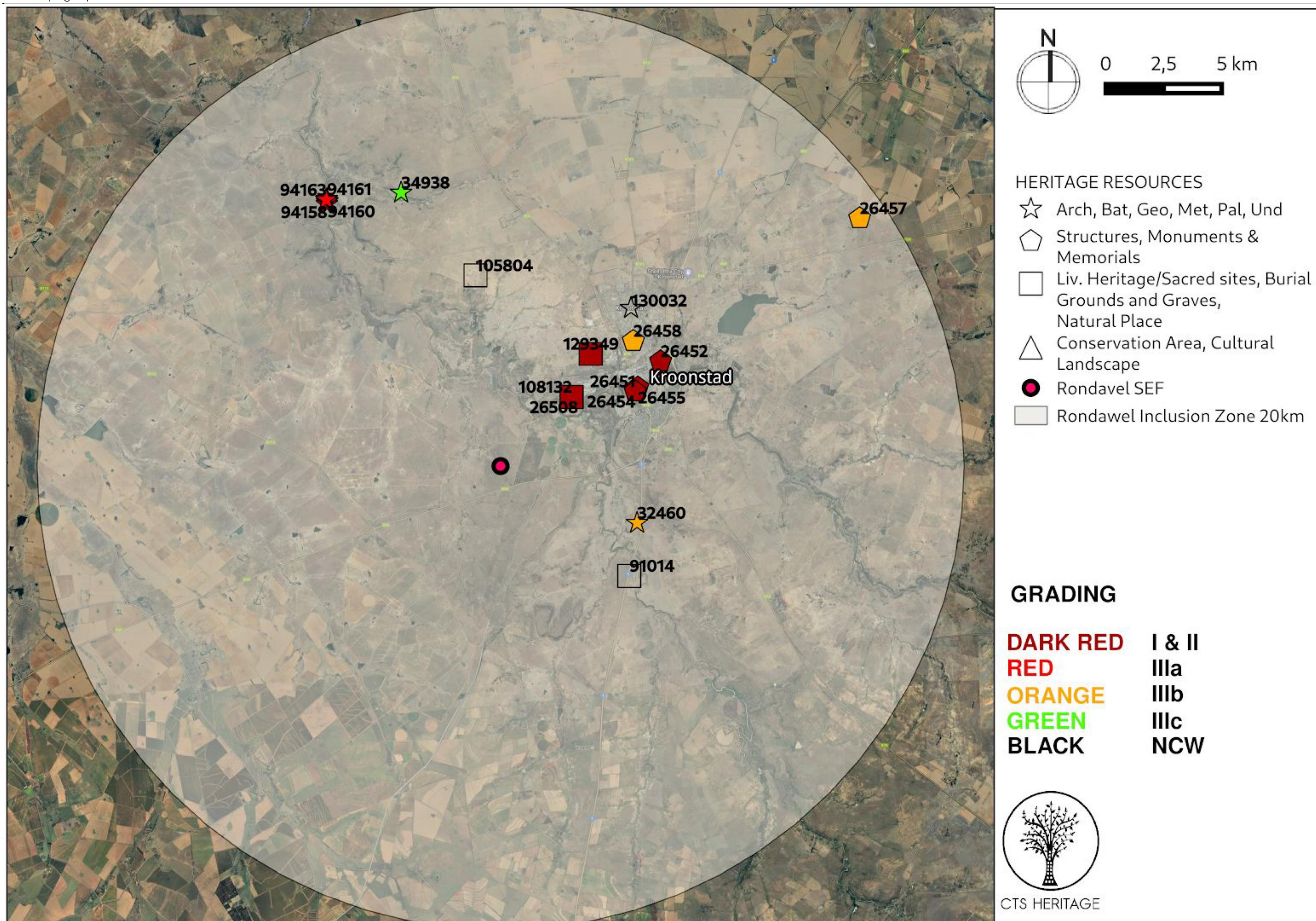


Figure 7.15: Heritage Resources previously identified within the study area, with SAHRIS Site IDs indicated in the insets below



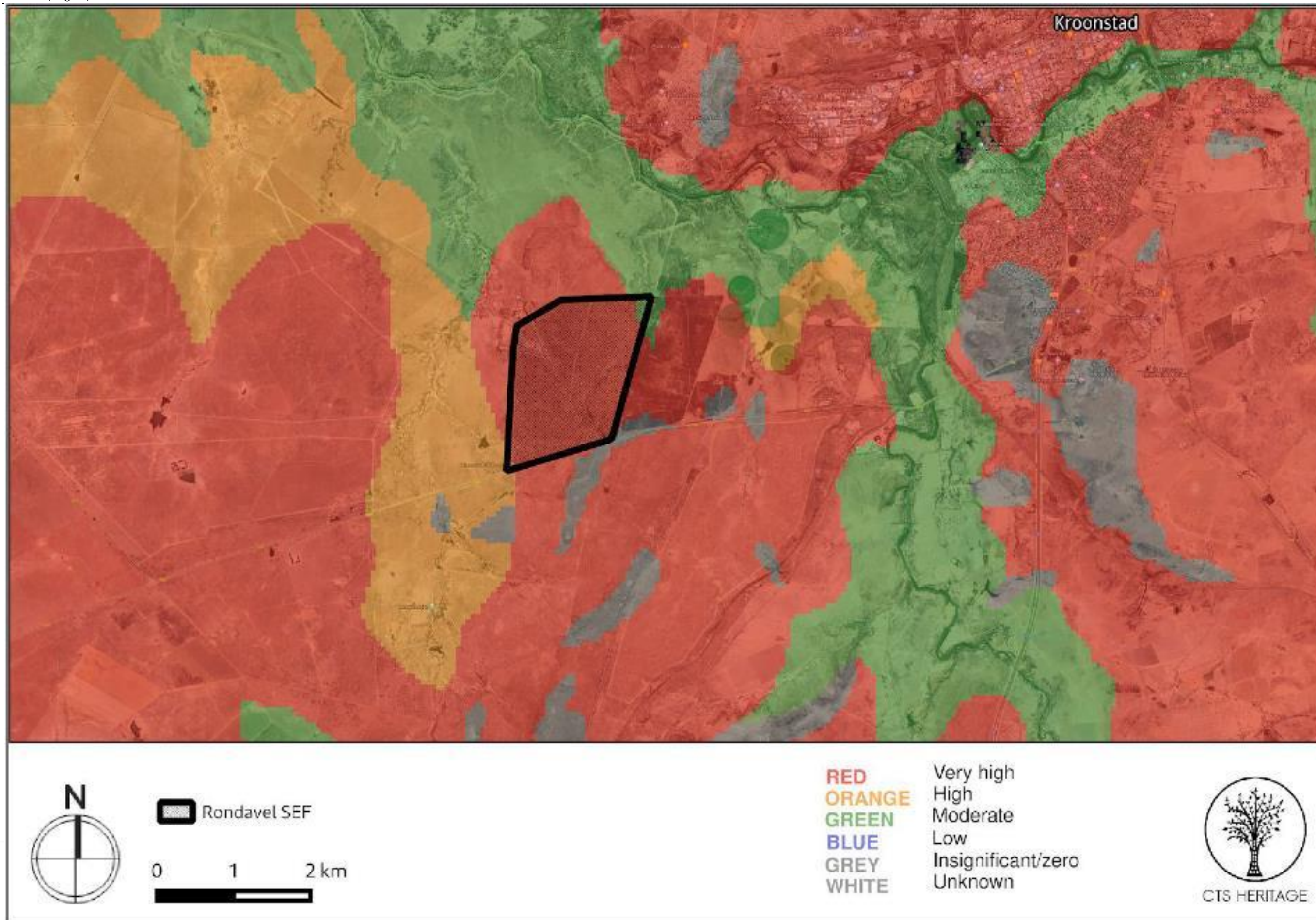


Figure 7.16: Palaeosensitivity map, indicating fossil sensitivity underlying the development area.



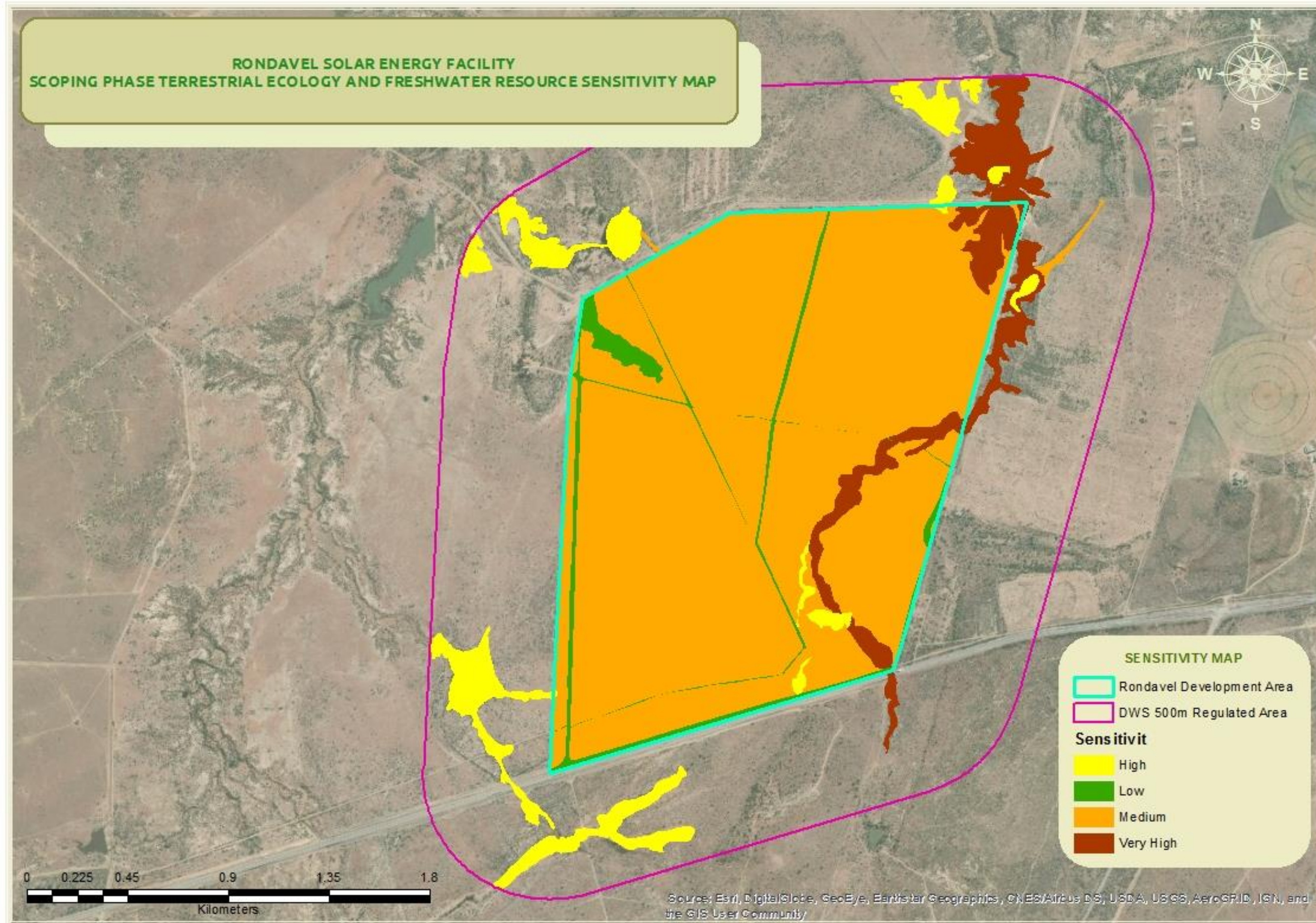


Figure 8.1. Preliminary ecological sensitivity map of the project site.



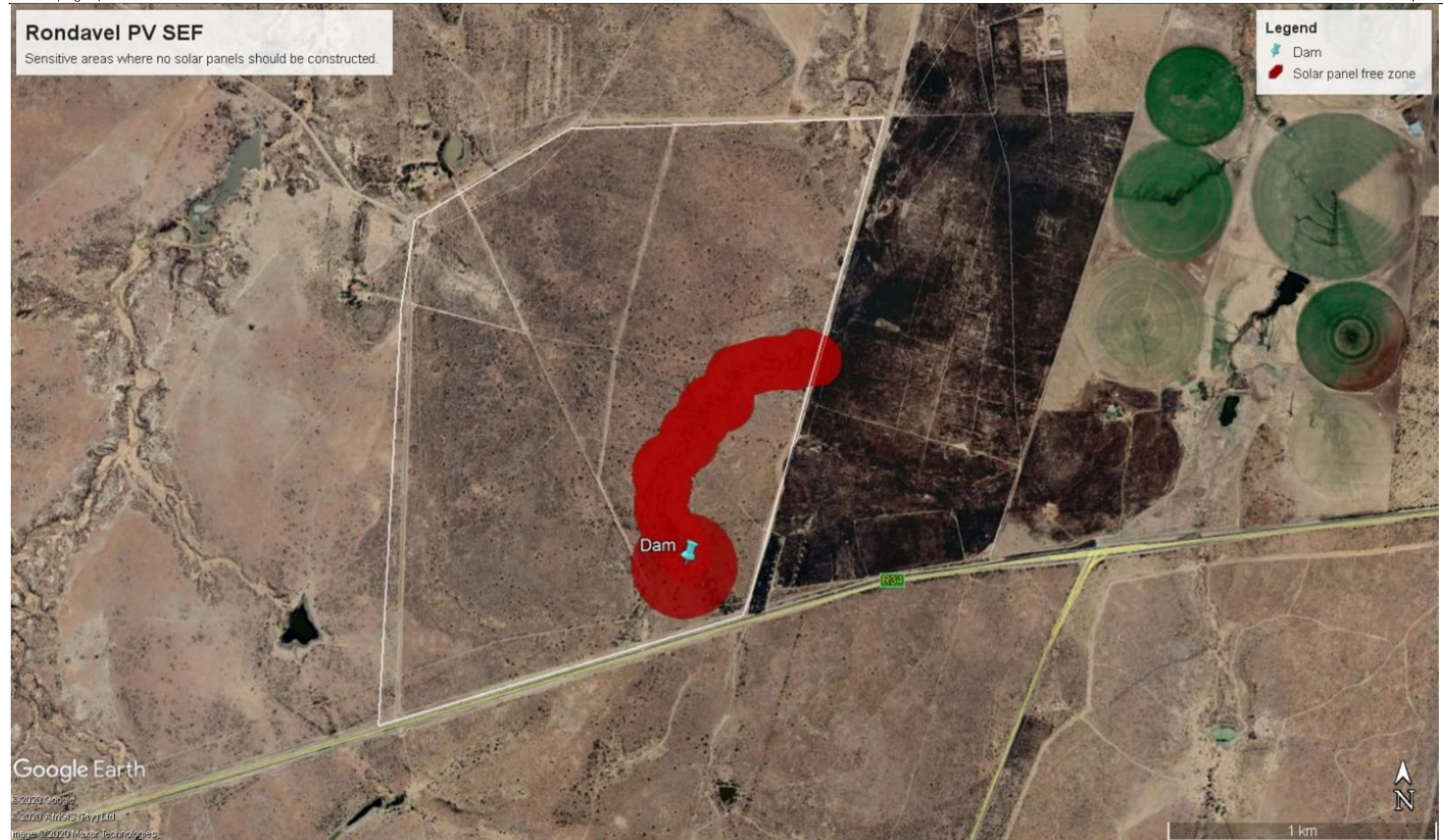


Figure 8.4. Avifaunal sensitivities (PV solar) at the Rondavel PV facility and associated infrastructure.



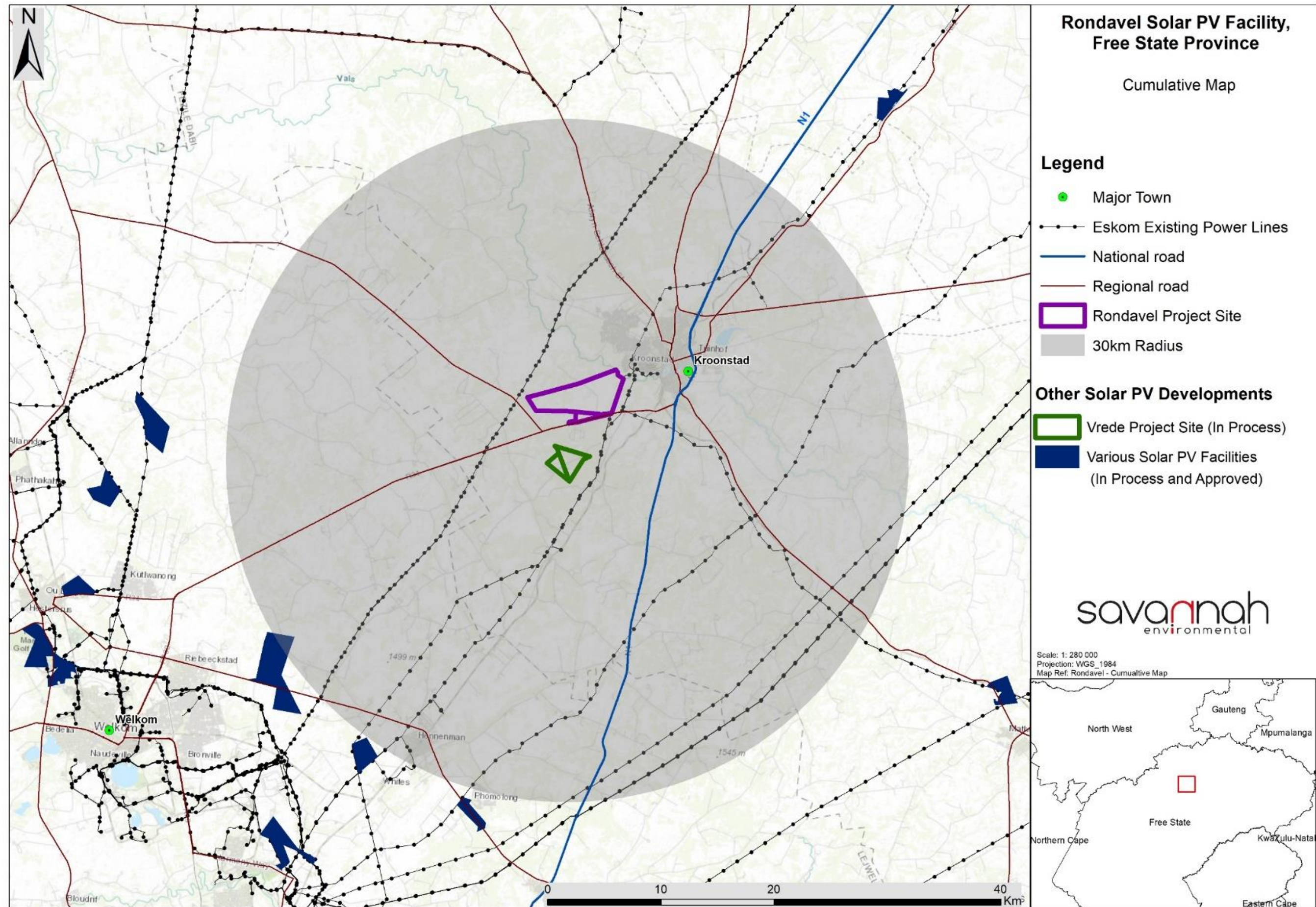


Figure 8.5: Cumulative map illustrating other approved and/or constructed PV facilities located within the vicinity of the project site (Refer Appendix J for A3 maps).



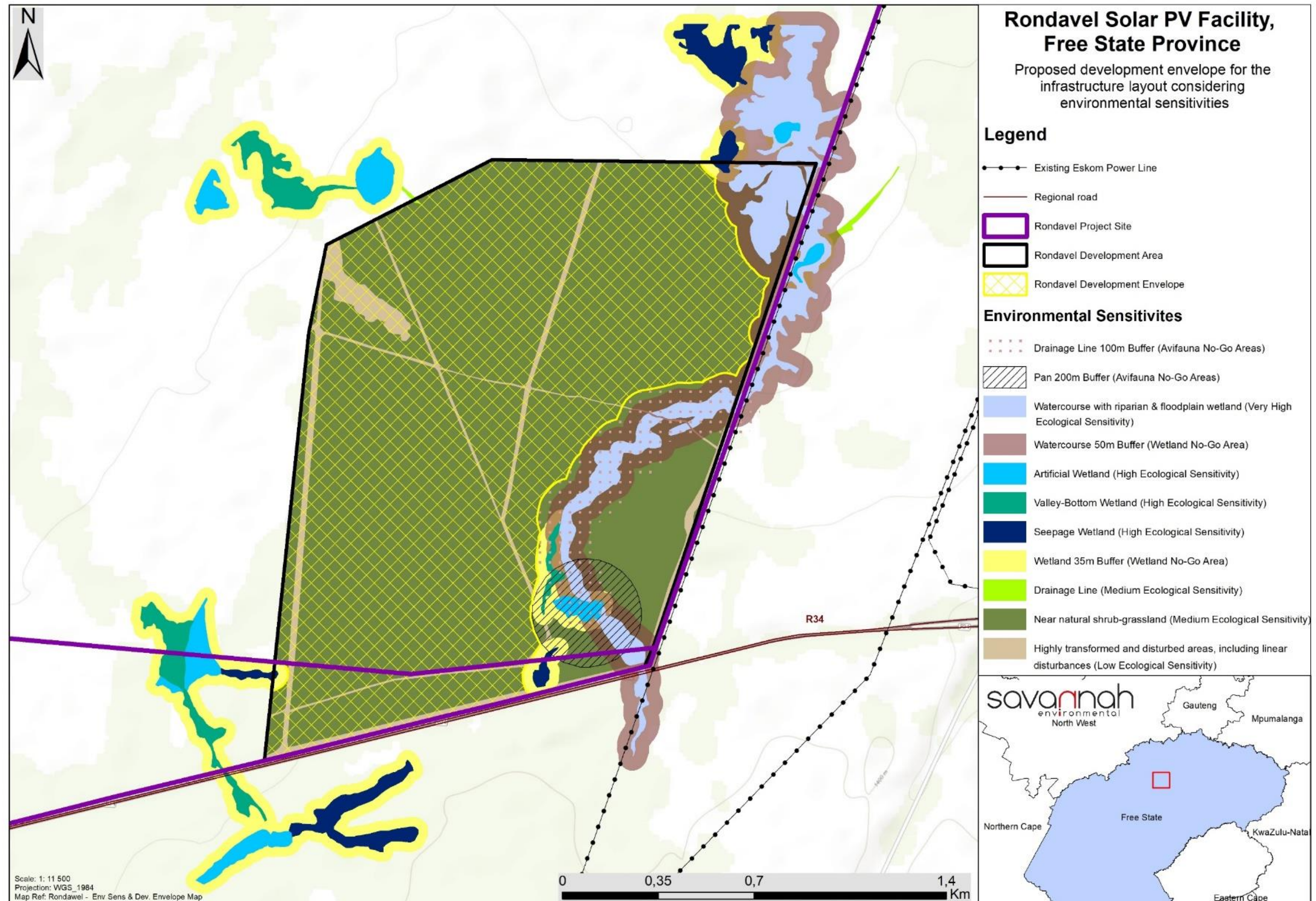


Figure 9.1: Preliminary Environmental Sensitivity Map from the results of the scoping evaluation for the Rondavel Solar PV Facility, indicating the recommended development envelope.



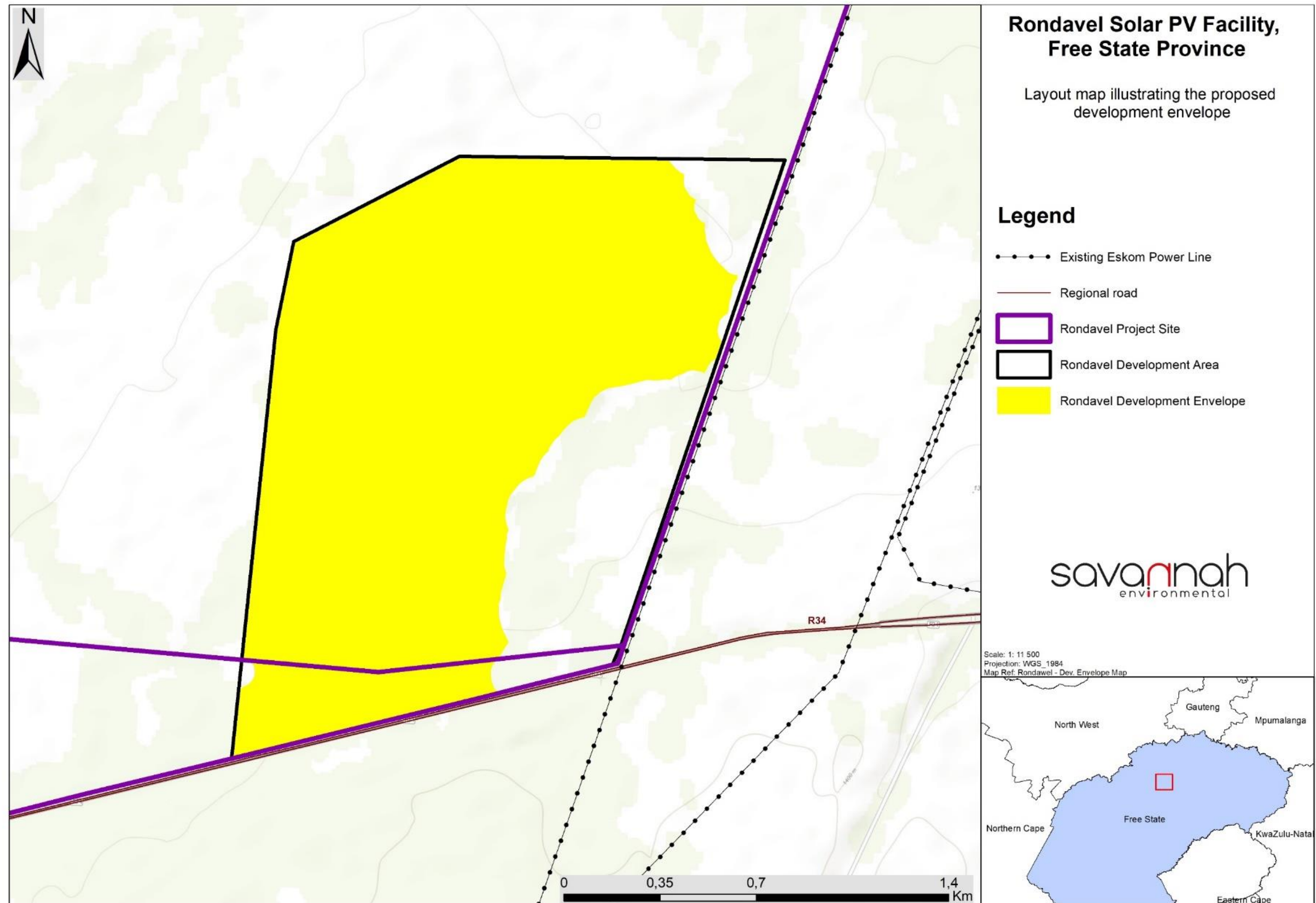


Figure 9.2: Development envelope to be assessed in detail as part of the EIA Phase and within which the project development footprint/layout will be designed



