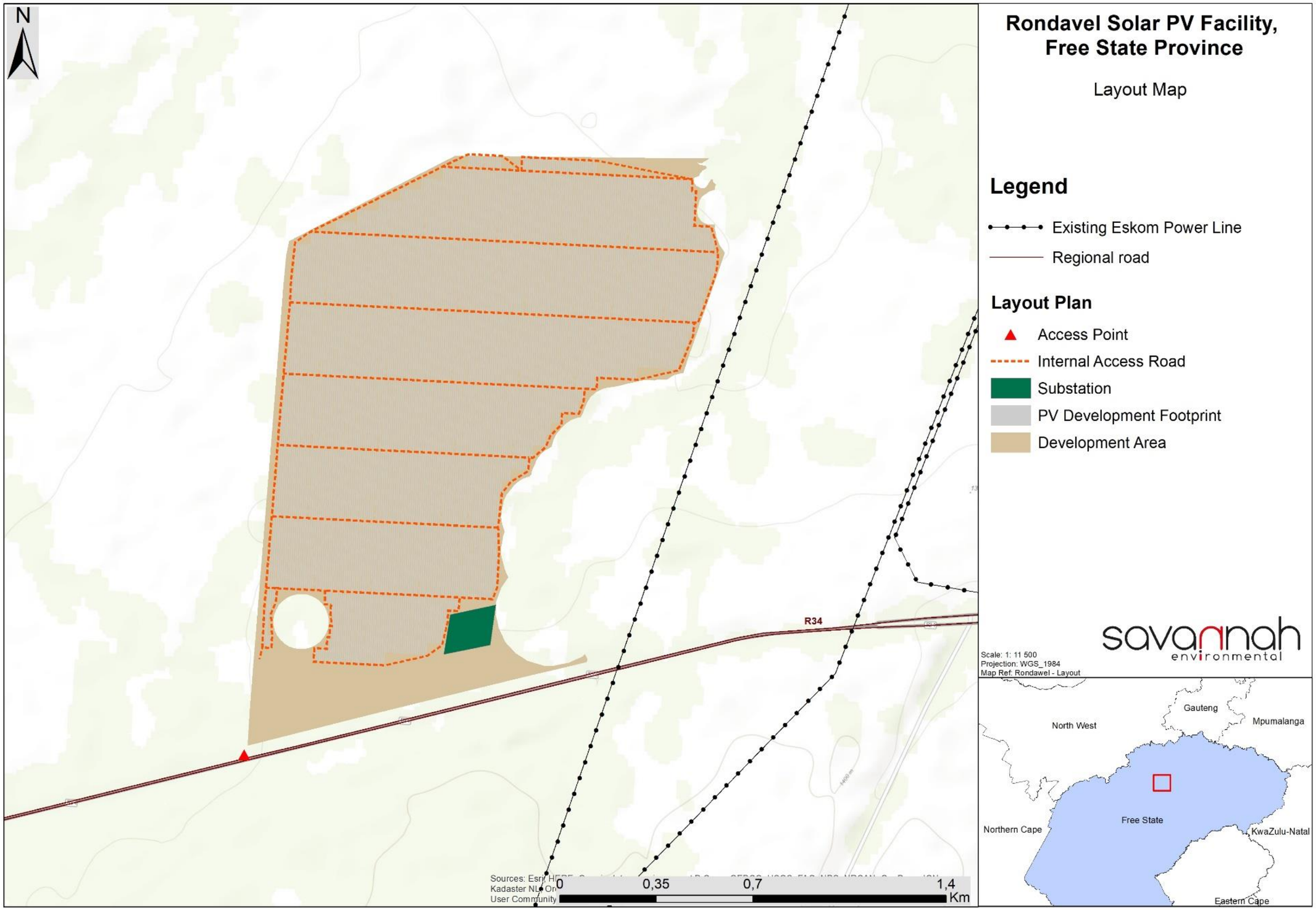

Figure 1: Site layout map

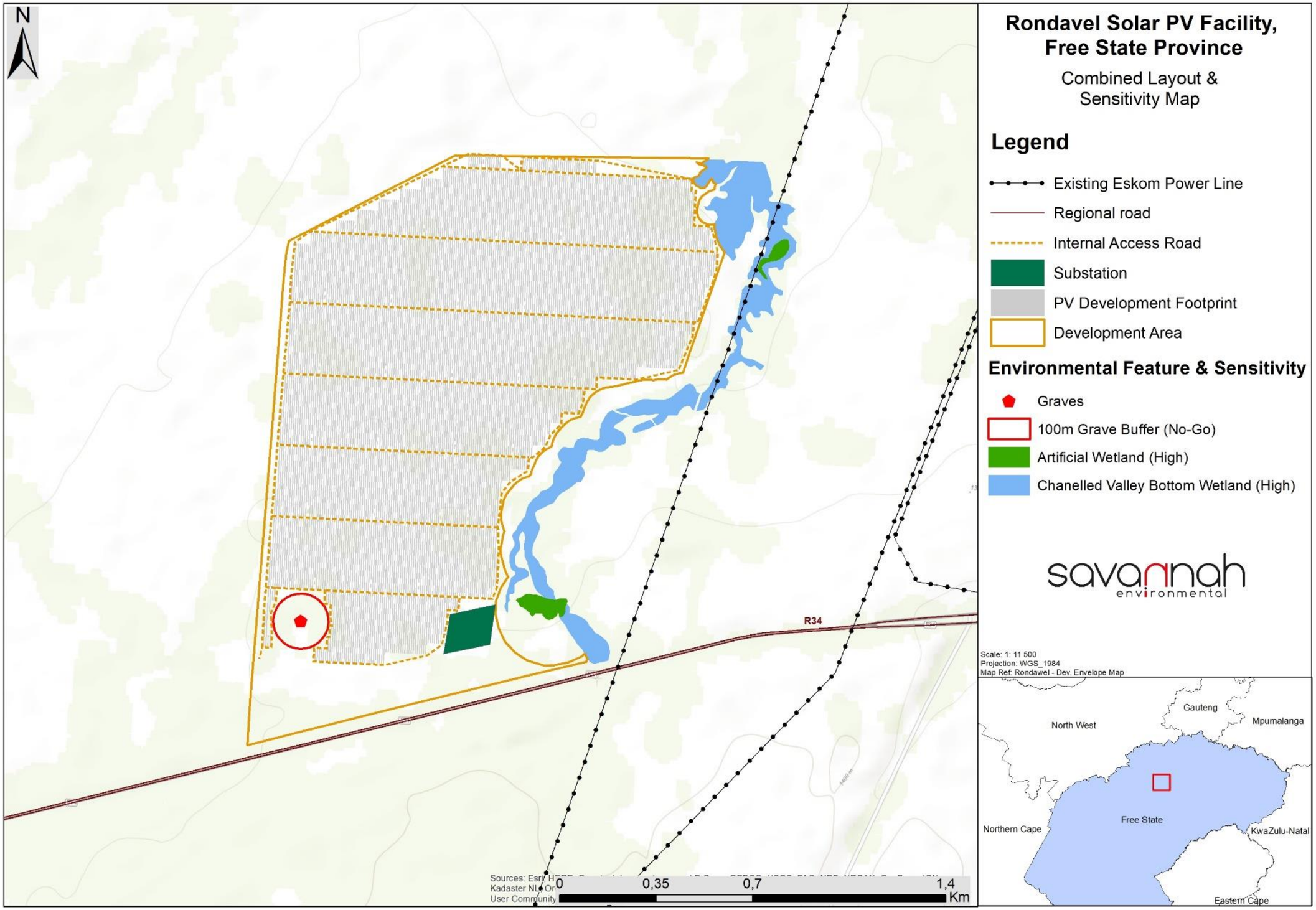

Figure 2: Environmental sensitivity map overlain with the layout of the proposed Rondavel Solar PV Facility.

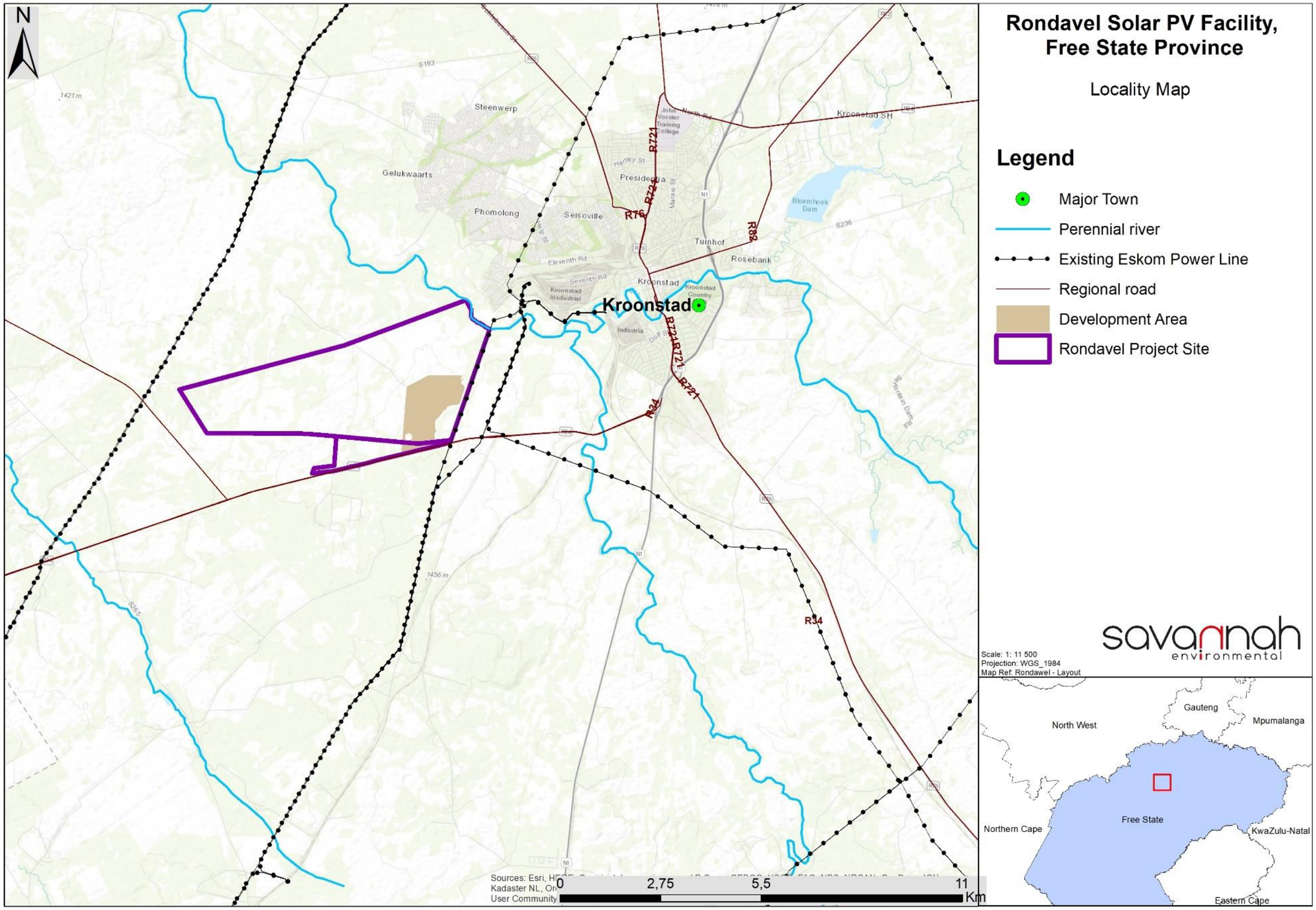

Figure 1.1: Locality map illustrating the location of the Rondavel Solar Energy Facility project site on the Remaining extent of the farm Rondavel Noord No. 1475 and Remaining extent of the farm Rondavel No. 627.

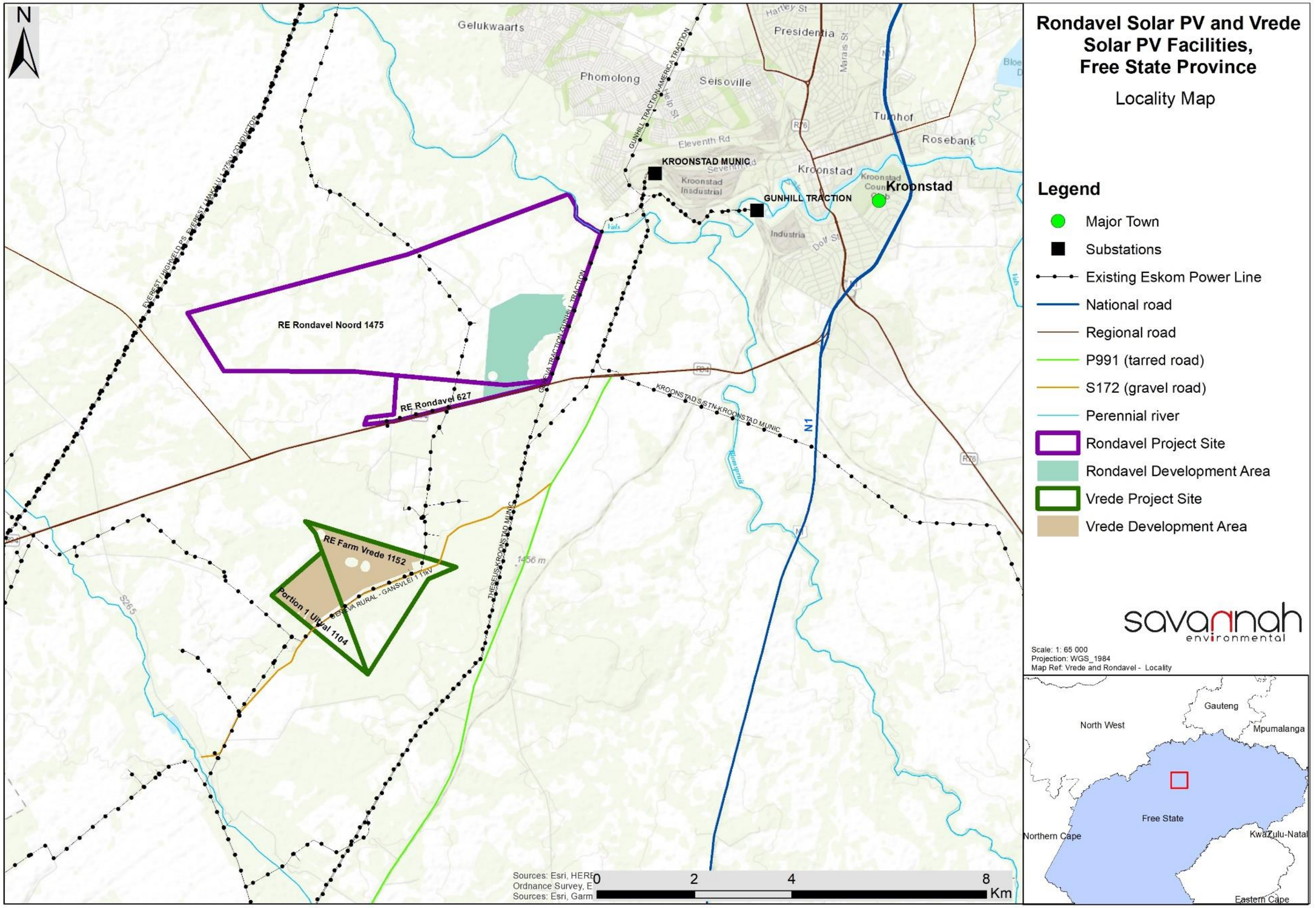

Figure 1.2: Locality map illustrating the locations of the planned Rondavel Solar PV Facility development area in relation to that of the Vrede Solar PV facility.

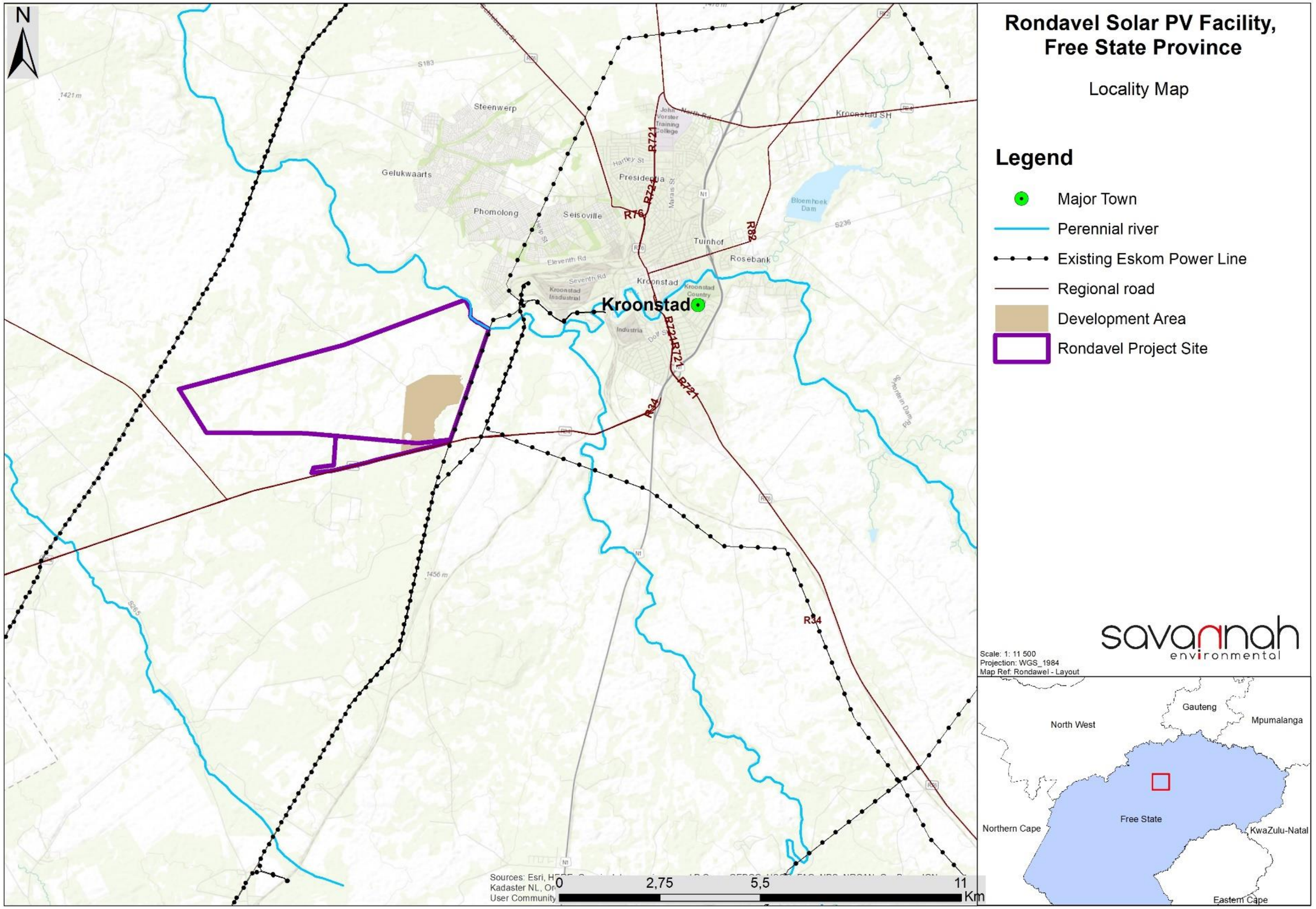

Figure 2.1: Map illustrating the development area within the project site for the Rondavel Solar PV project.

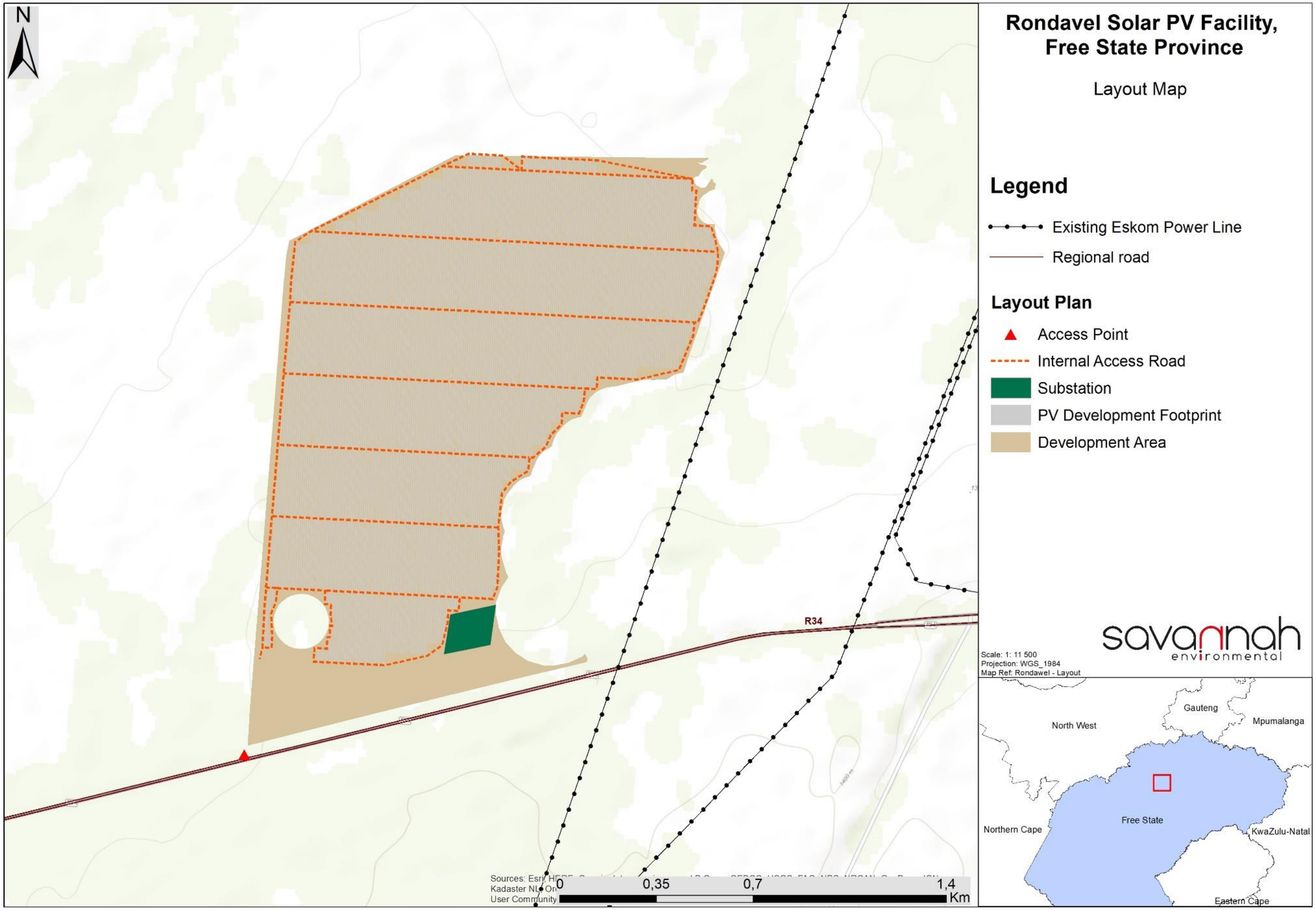

Figure 2.2 Layout of Rondavel Solar PV Facility development assessment within this EIA Report.

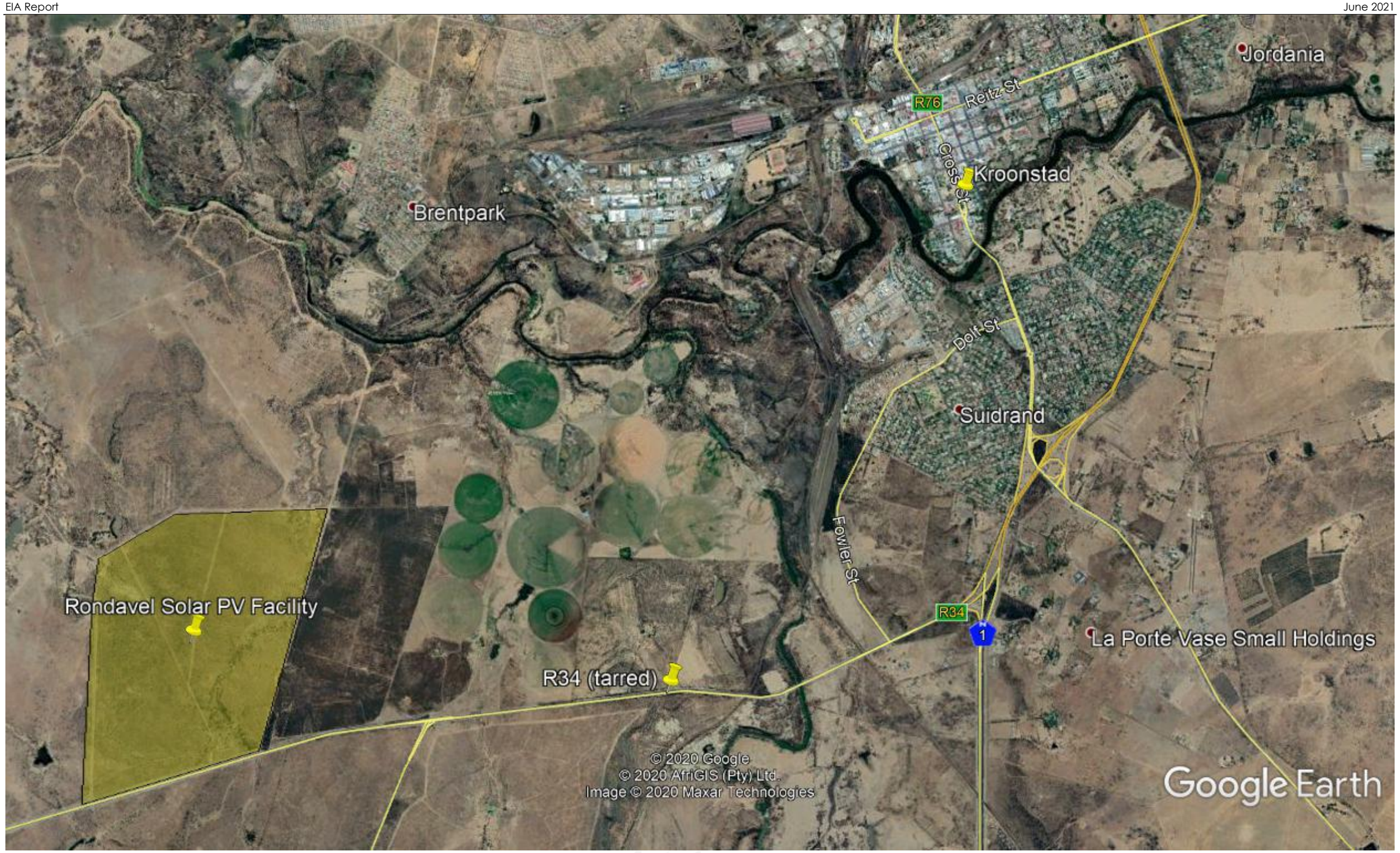

Figure 5.5: Existing road infrastructure within the vicinity of the development area for the Rondavel Solar PV Facility. This infrastructure will primarily be used to gain access to the development area.

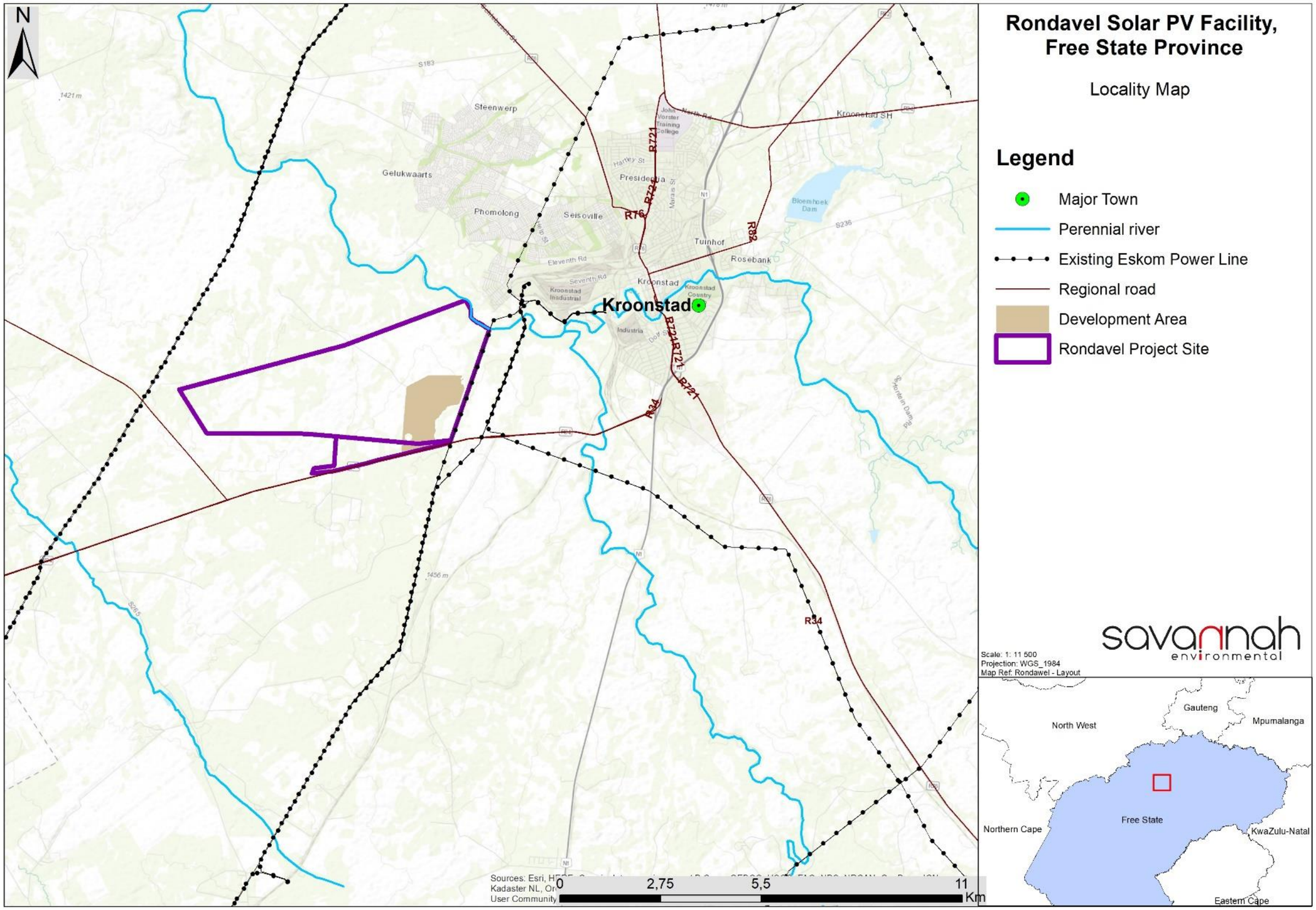

Figure 5.6: The Rondavel Solar PV Facility project site in relation to the Eskom Kroonstad Municipality – Theseus 1 132kV power line (south-line running east of the site) into which the facility will loop in, loop out in order to evacuate the energy to the national grid, depending on which connection alternative is approved.

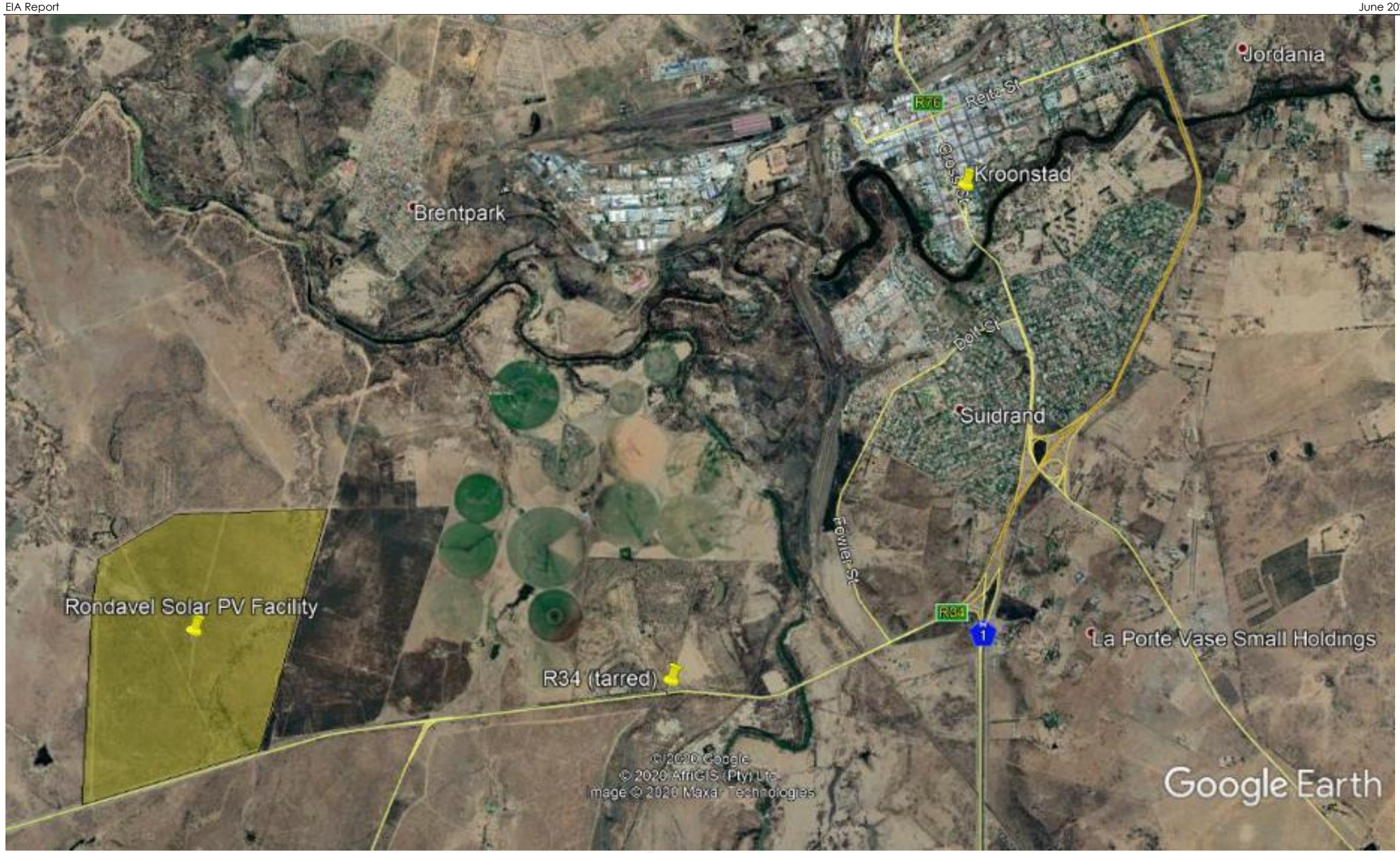

Figure 7.1: Regional map showing the location of the development area relative to Kroonstad town and the main roads in the area

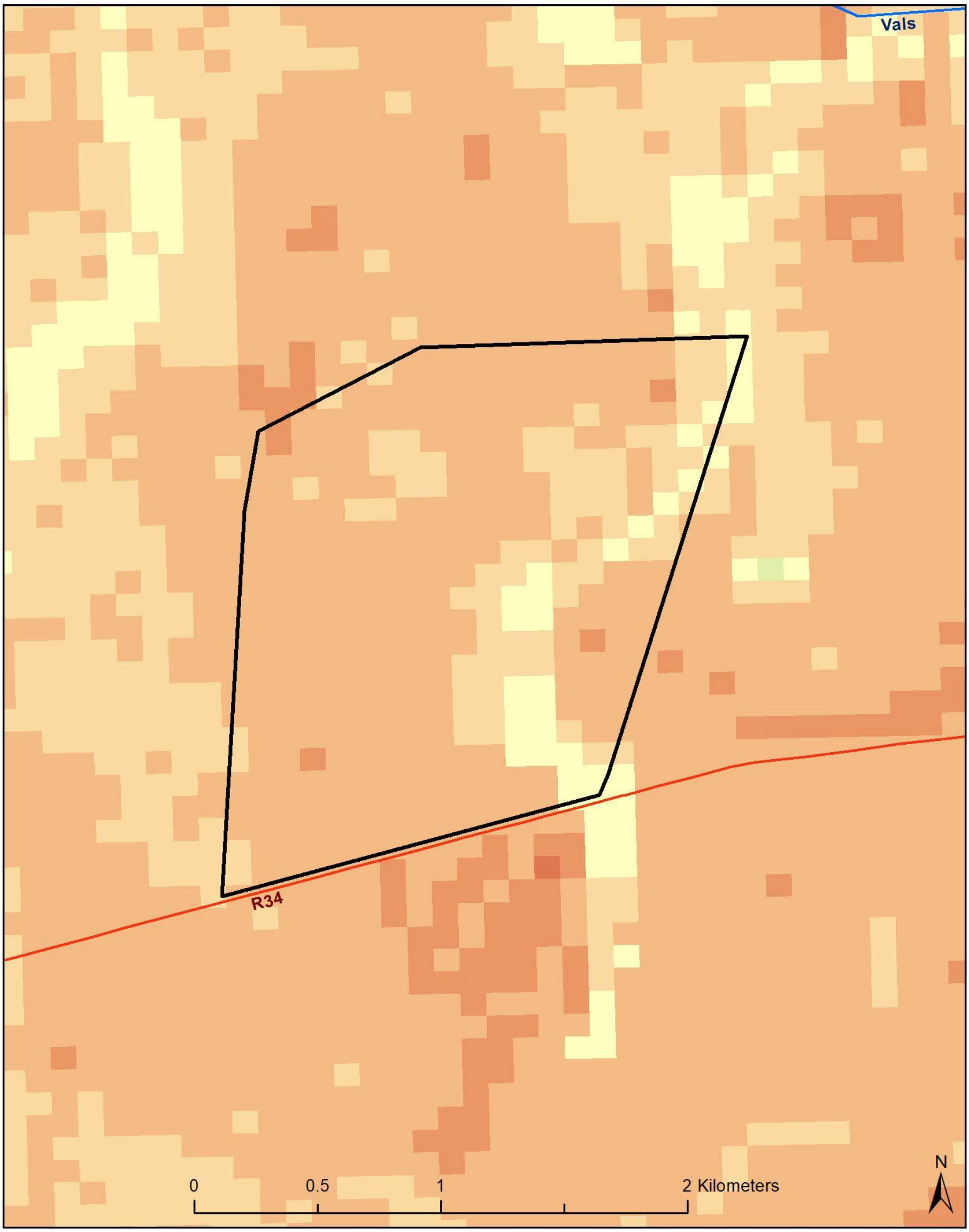

Figure 7.2: Land capability classes of the project development area

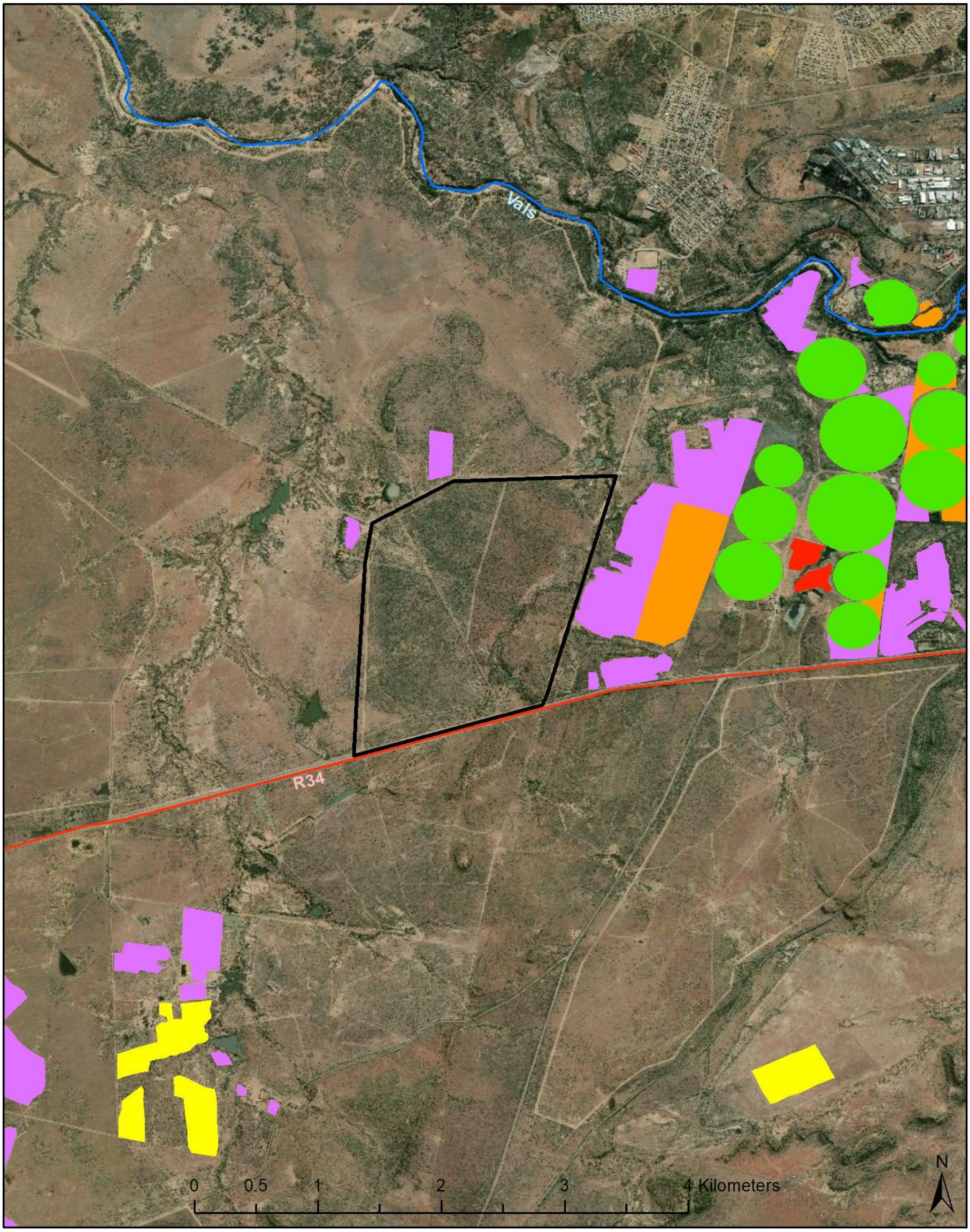

Figure 7.3: Location of field crop boundaries around the project area (data source: DAFF, 2019).

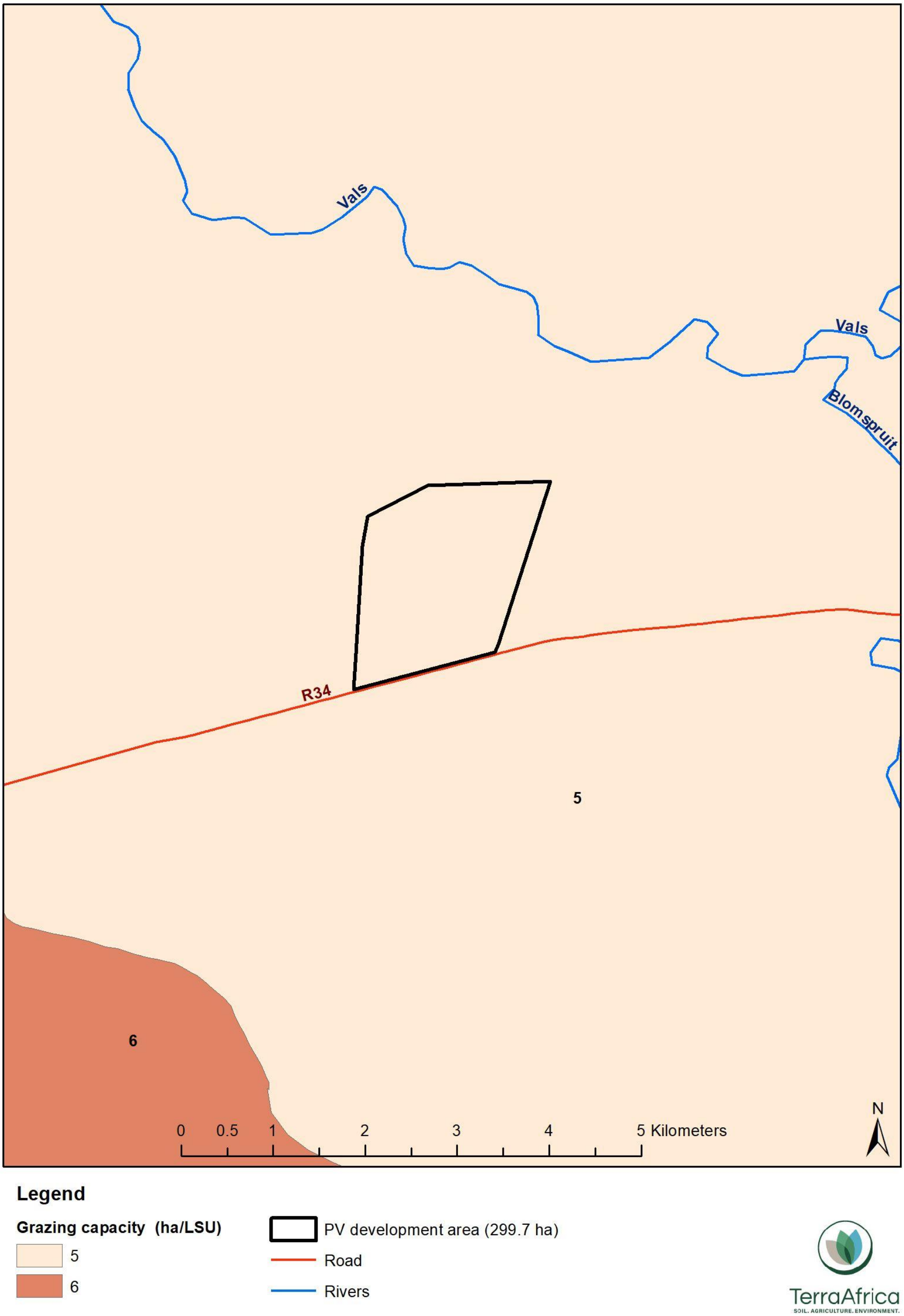

Figure 7.4: Long-term grazing capacity of the development area.

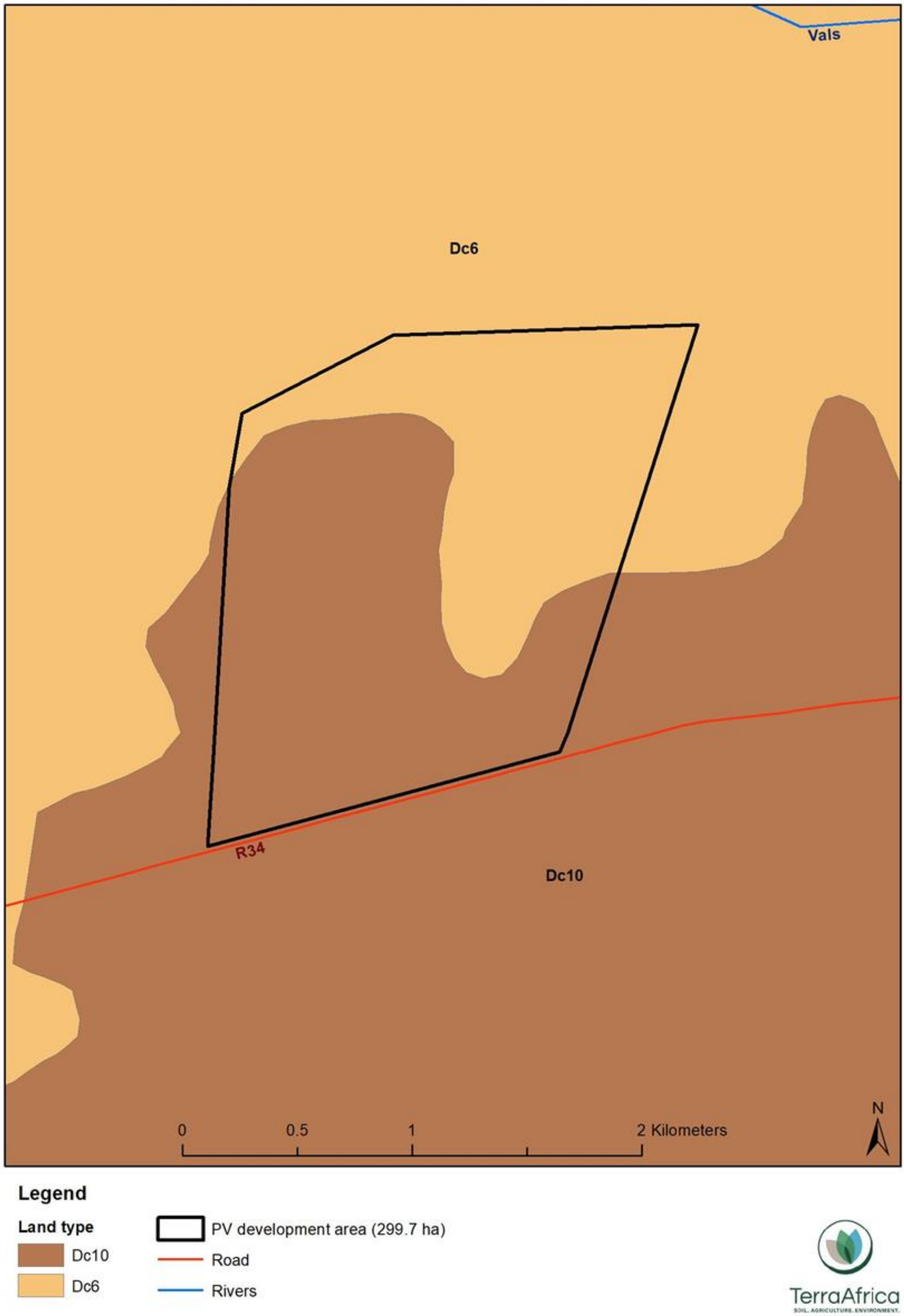

Figure 7.5: Land type classification of the development area.

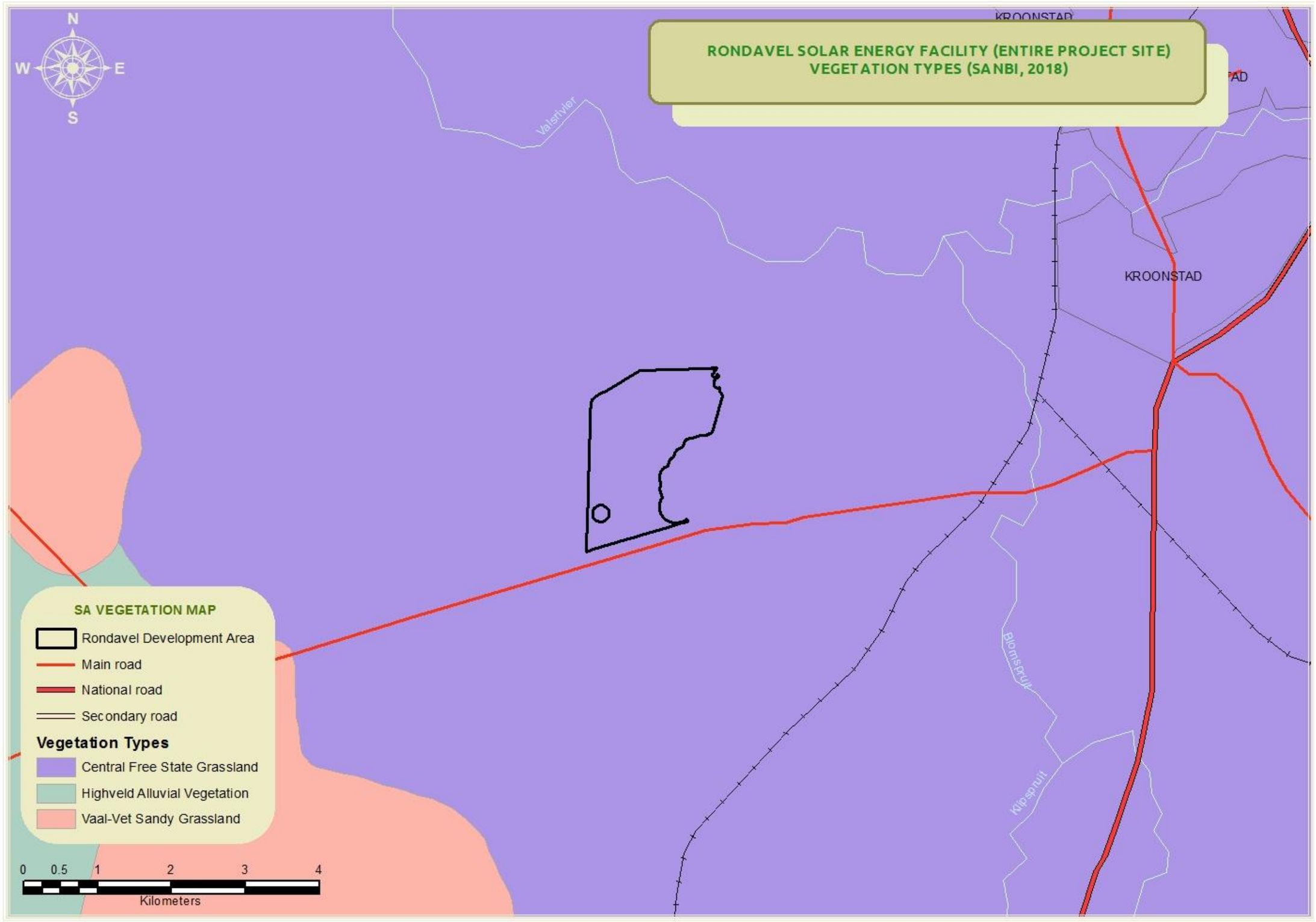

Figure 7.6: Vegetation map of the project site and development area (SANBI, 2018).

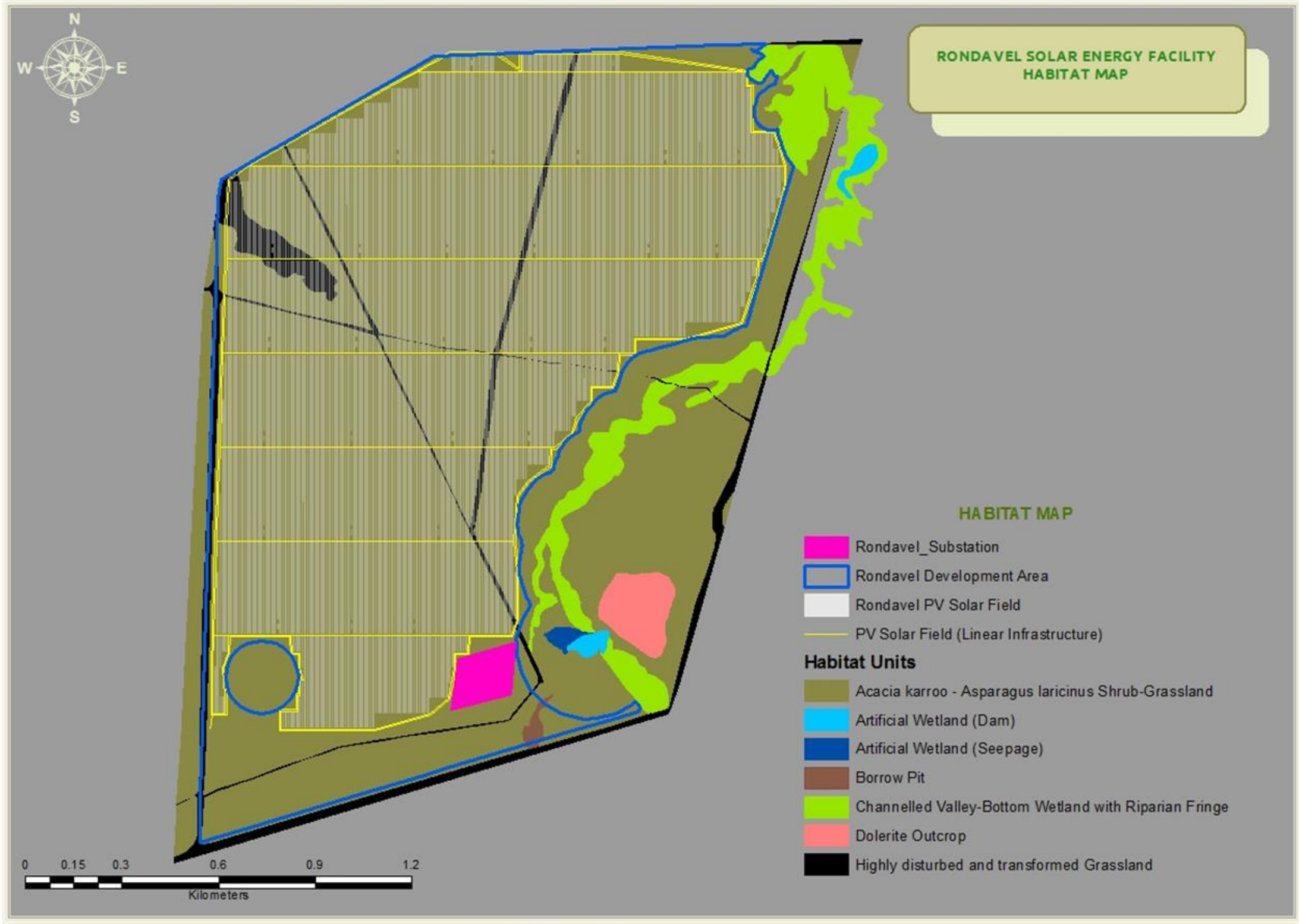

Figure 7.7: Delineated habitat units

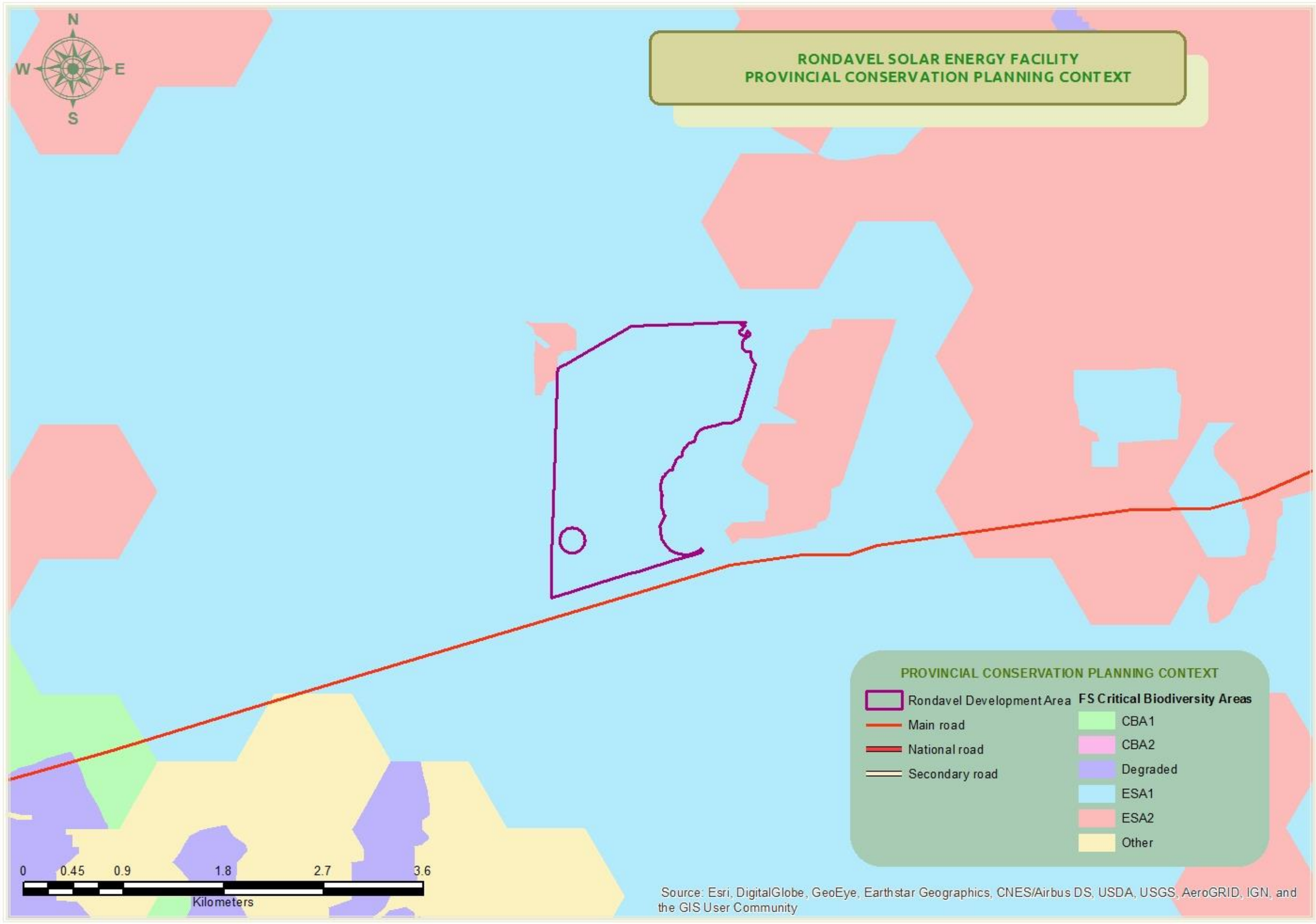

Figure 7.8: Provincial Level Conservation Planning Context – CBA Map (Free State Province Biodiversity Conservation Assessment).

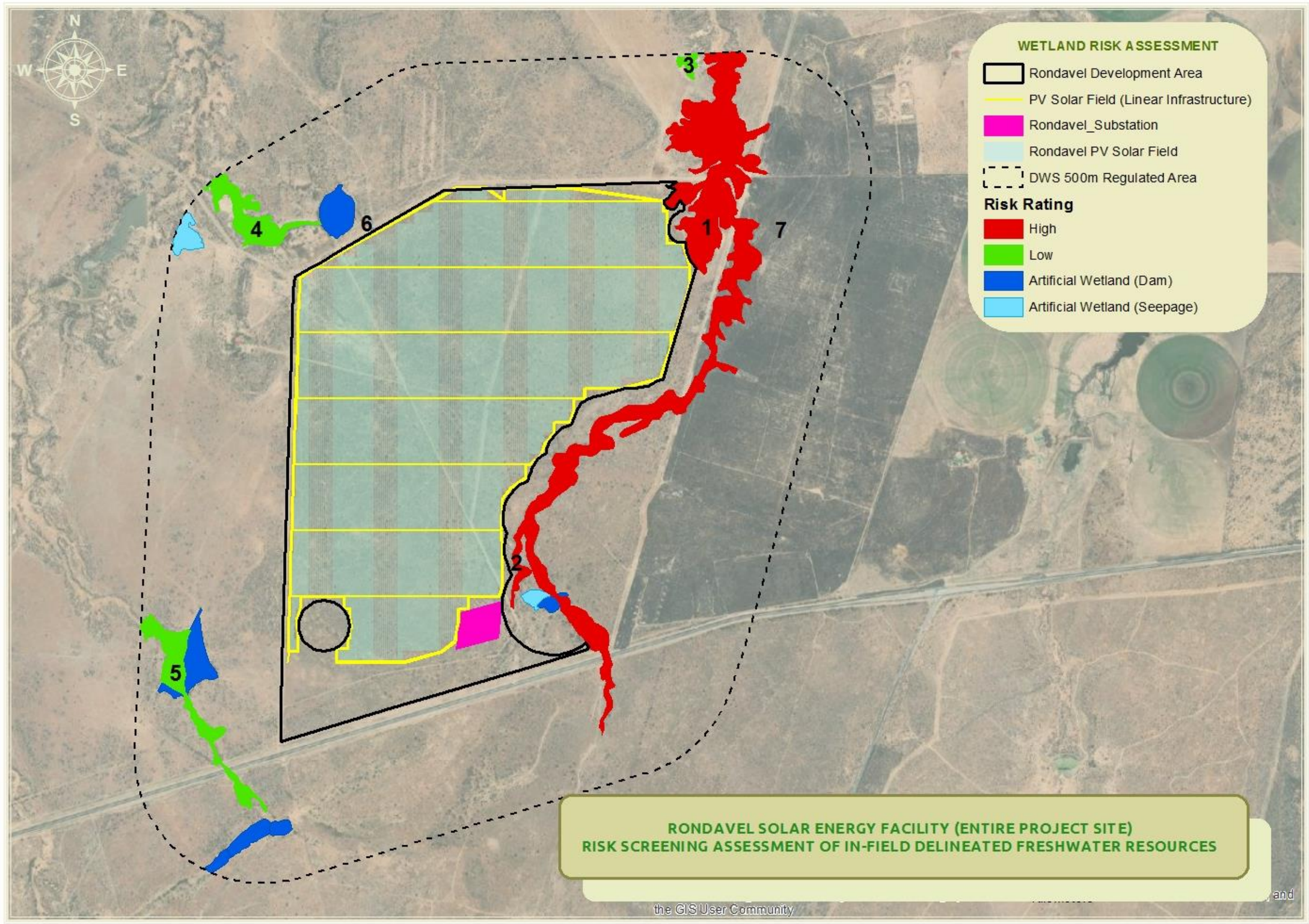

Figure 7.9: Wetland features identified within the development area identified during the field study.

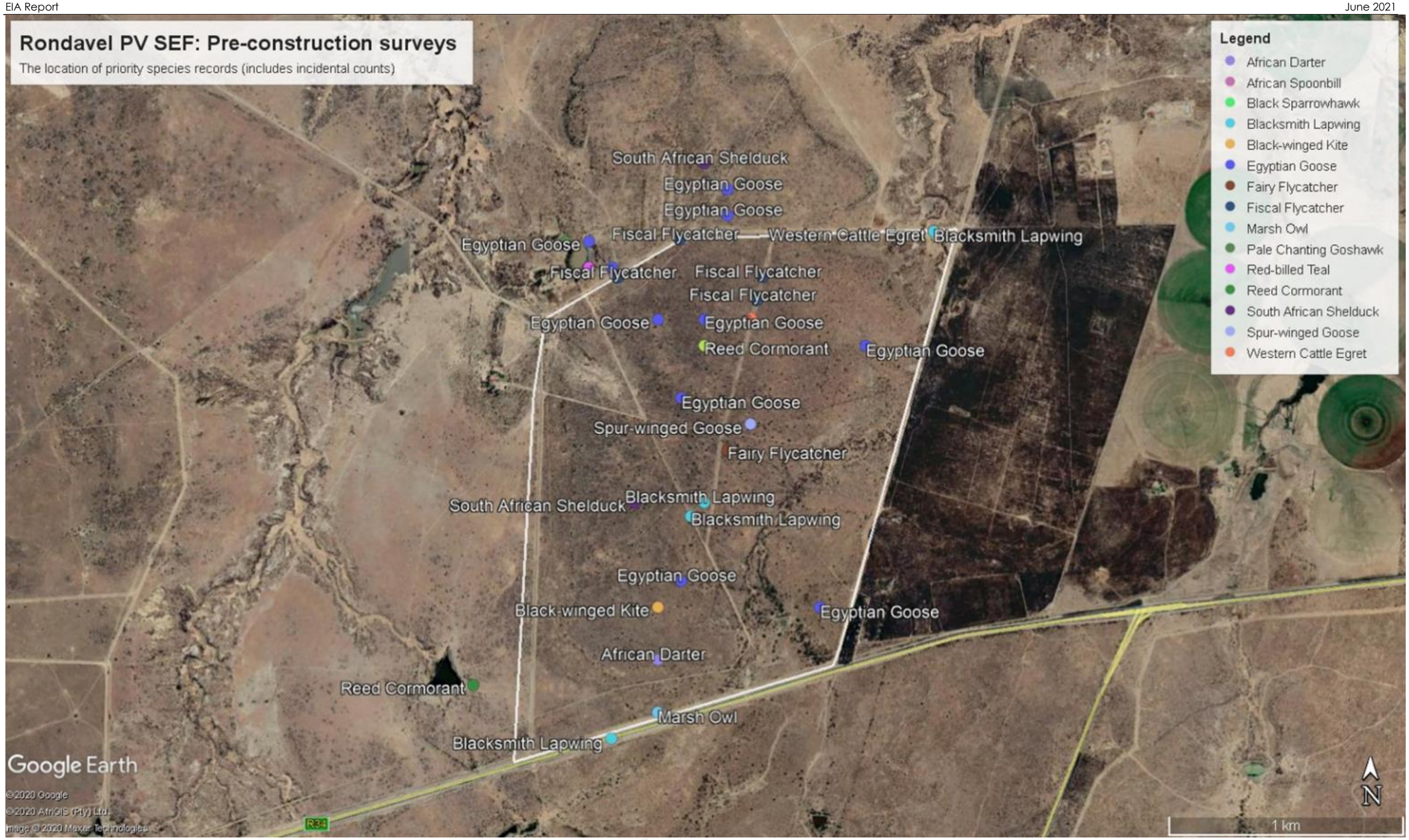

Figure 7.13: The location of priority bird species recorded during transect and incidental counts.

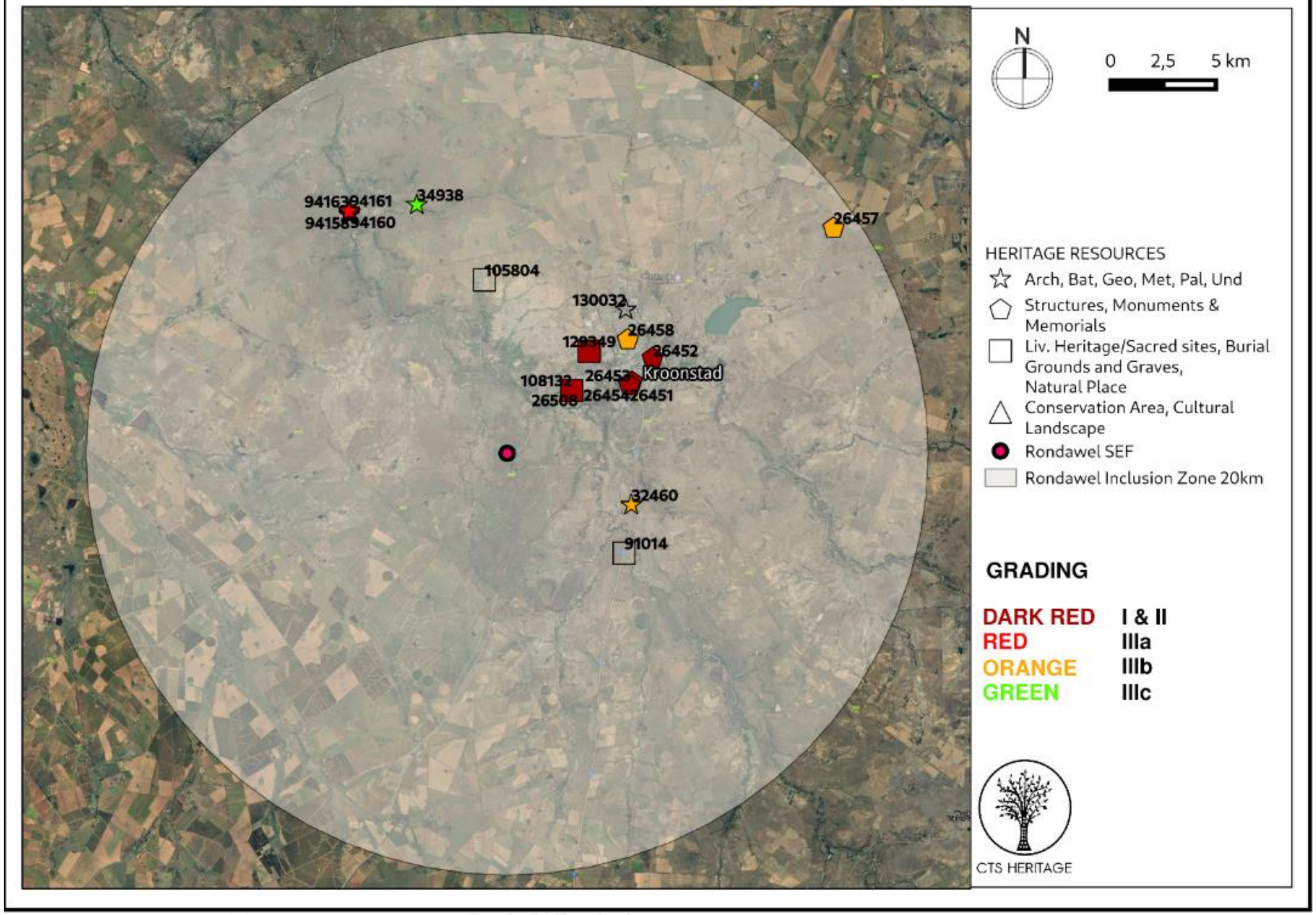

Figure 7.14: Heritage Resources previously identified within the study area, with SAHRIS Site IDs indicated.

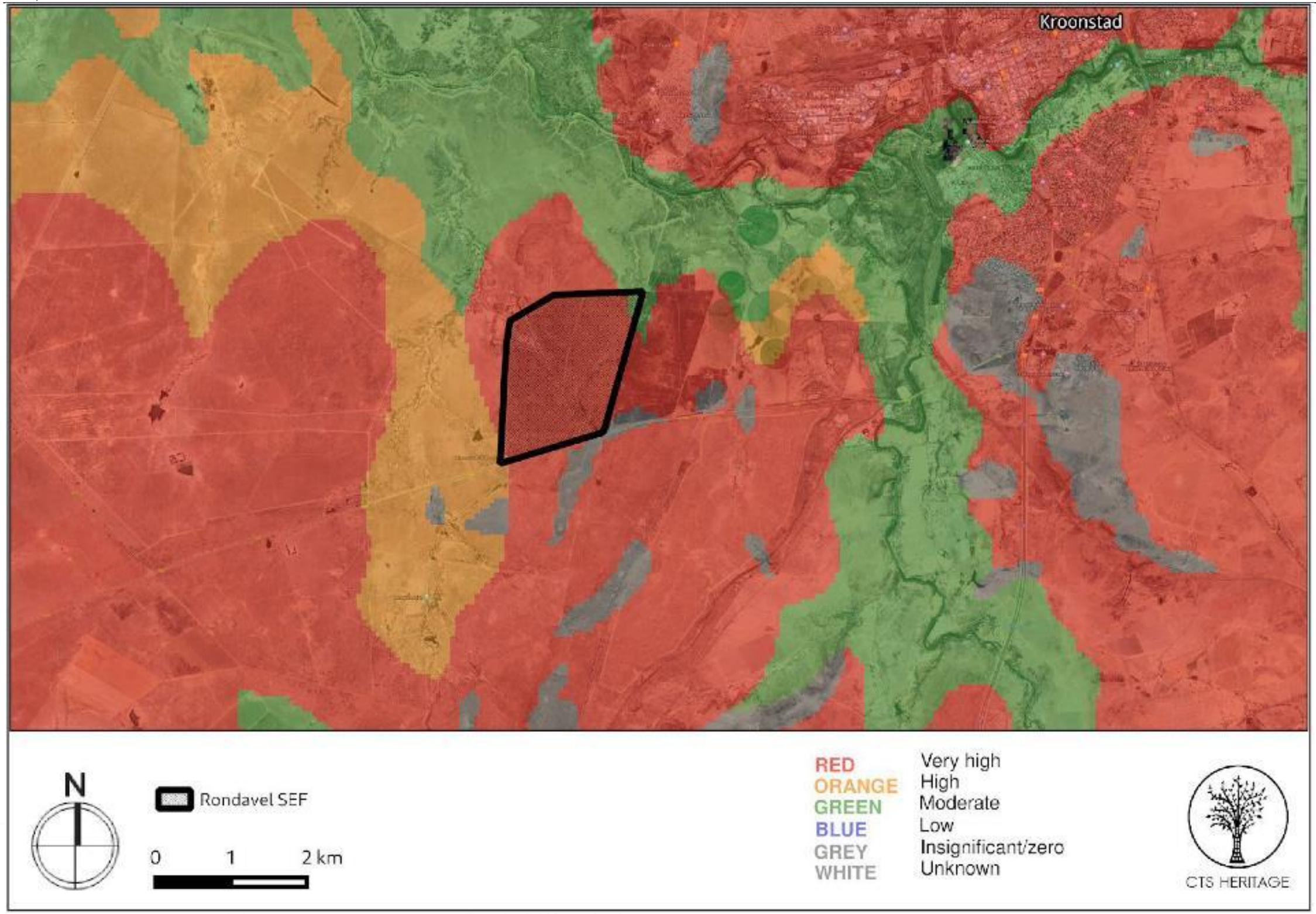

Figure 7.15: Palaeosensitivity map, indicating fossil sensitivity underlying the development area.

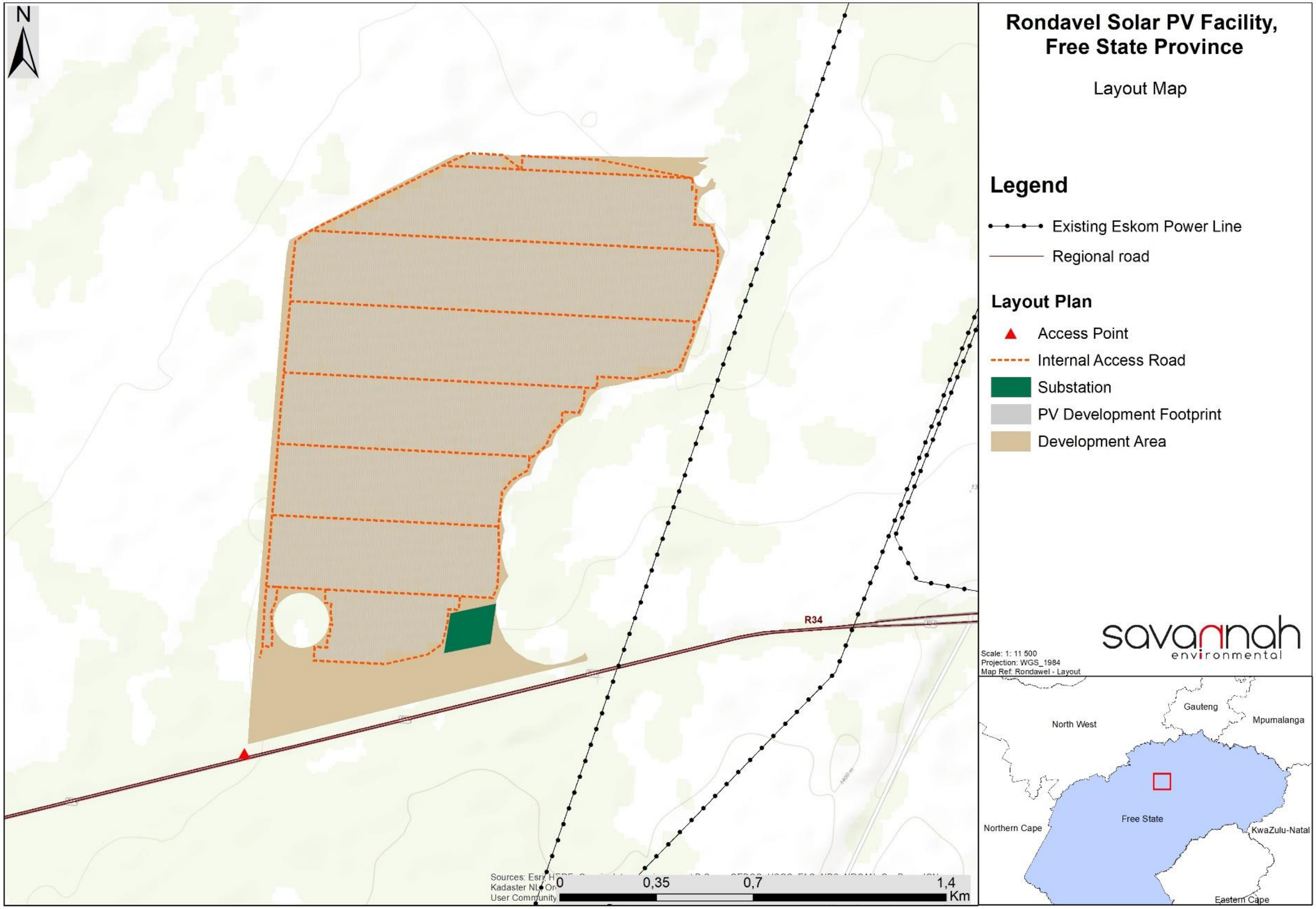

Figure 8.1: Map illustrating the facility layout considered for the Rondavel Solar PV Facility as assessed in this EIA report

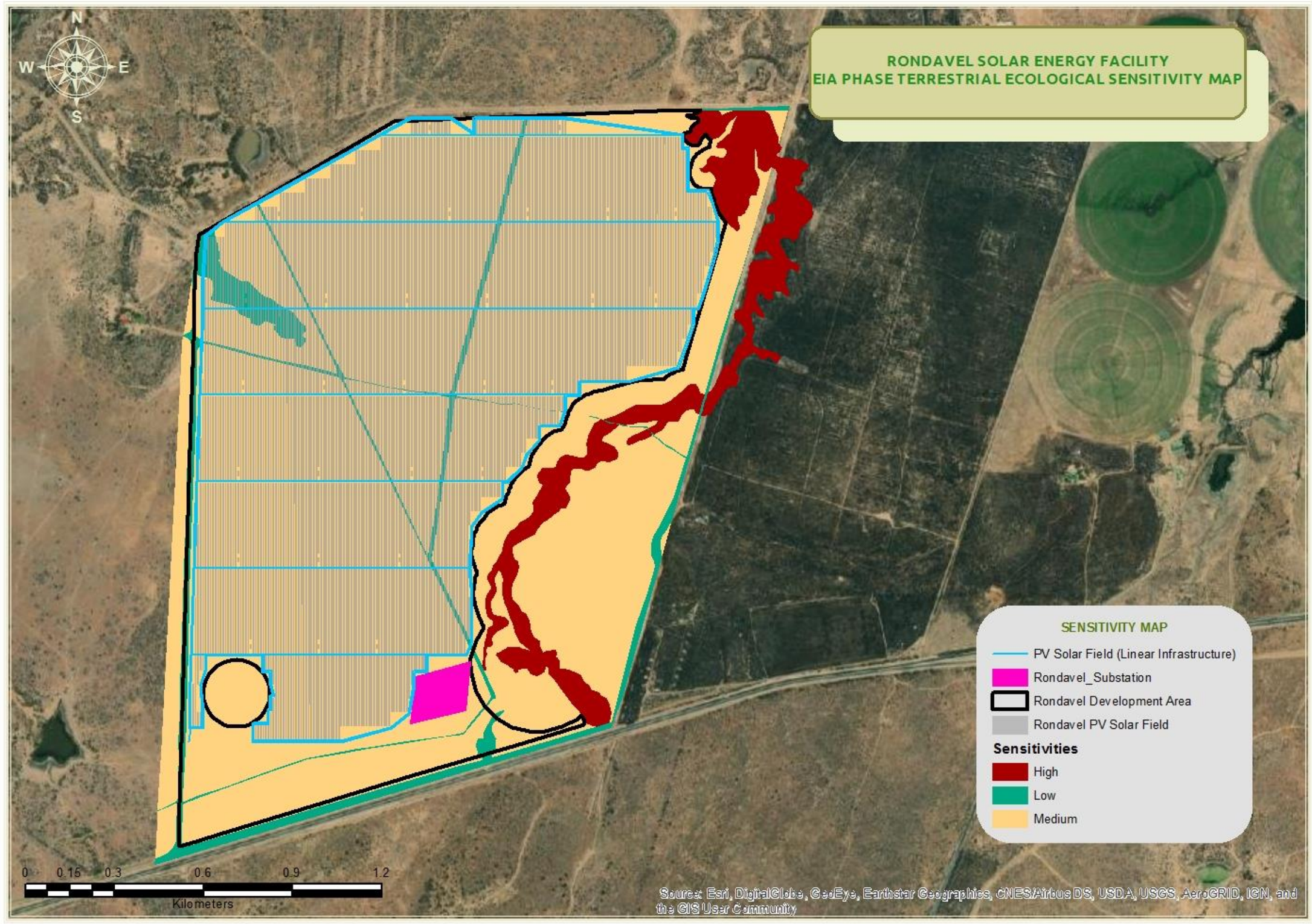

Figure 8.2: Sensitivity map (ecological) for the development footprint and associated infrastructure

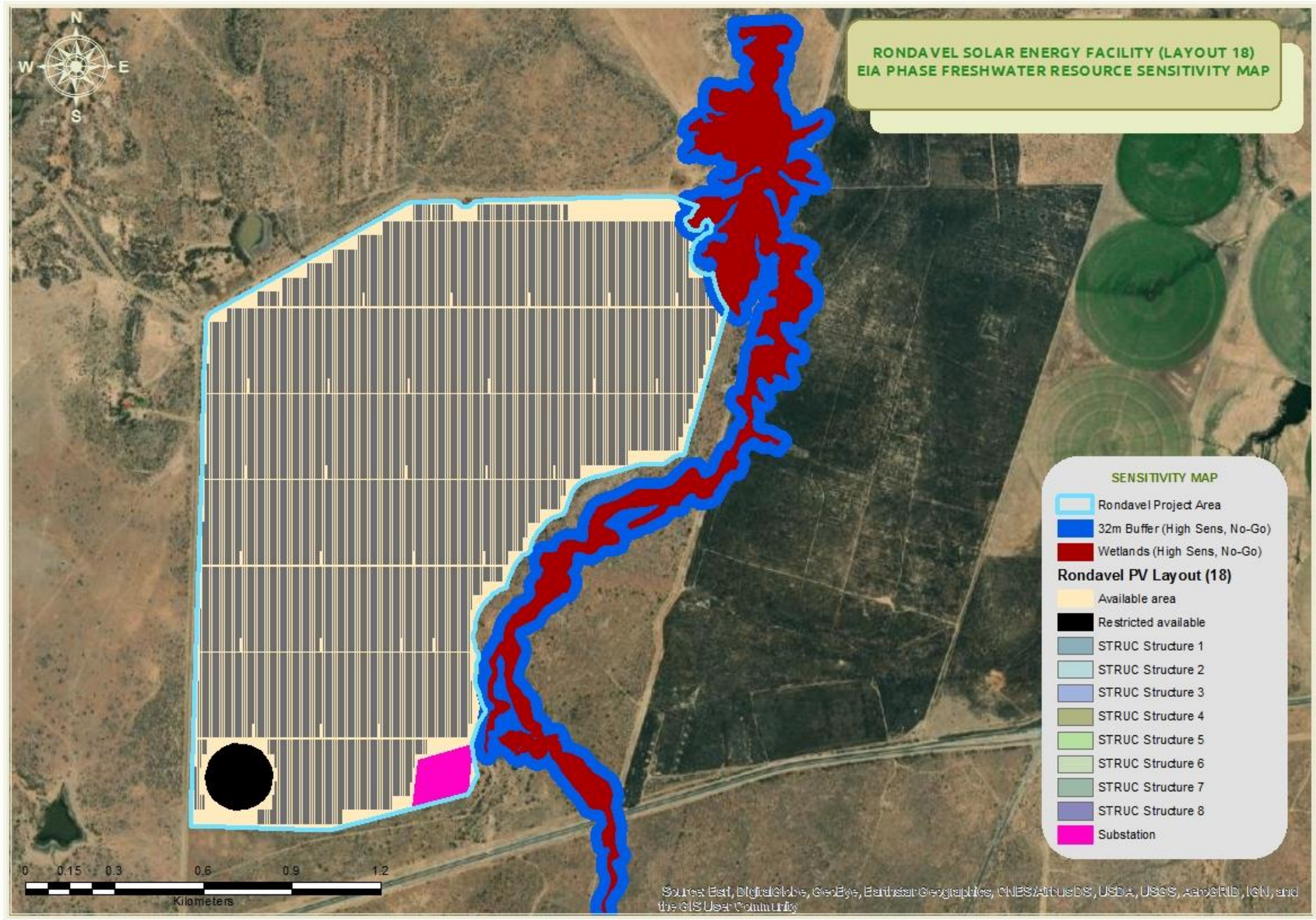

Figure 8.3: Aquatic sensitivity map

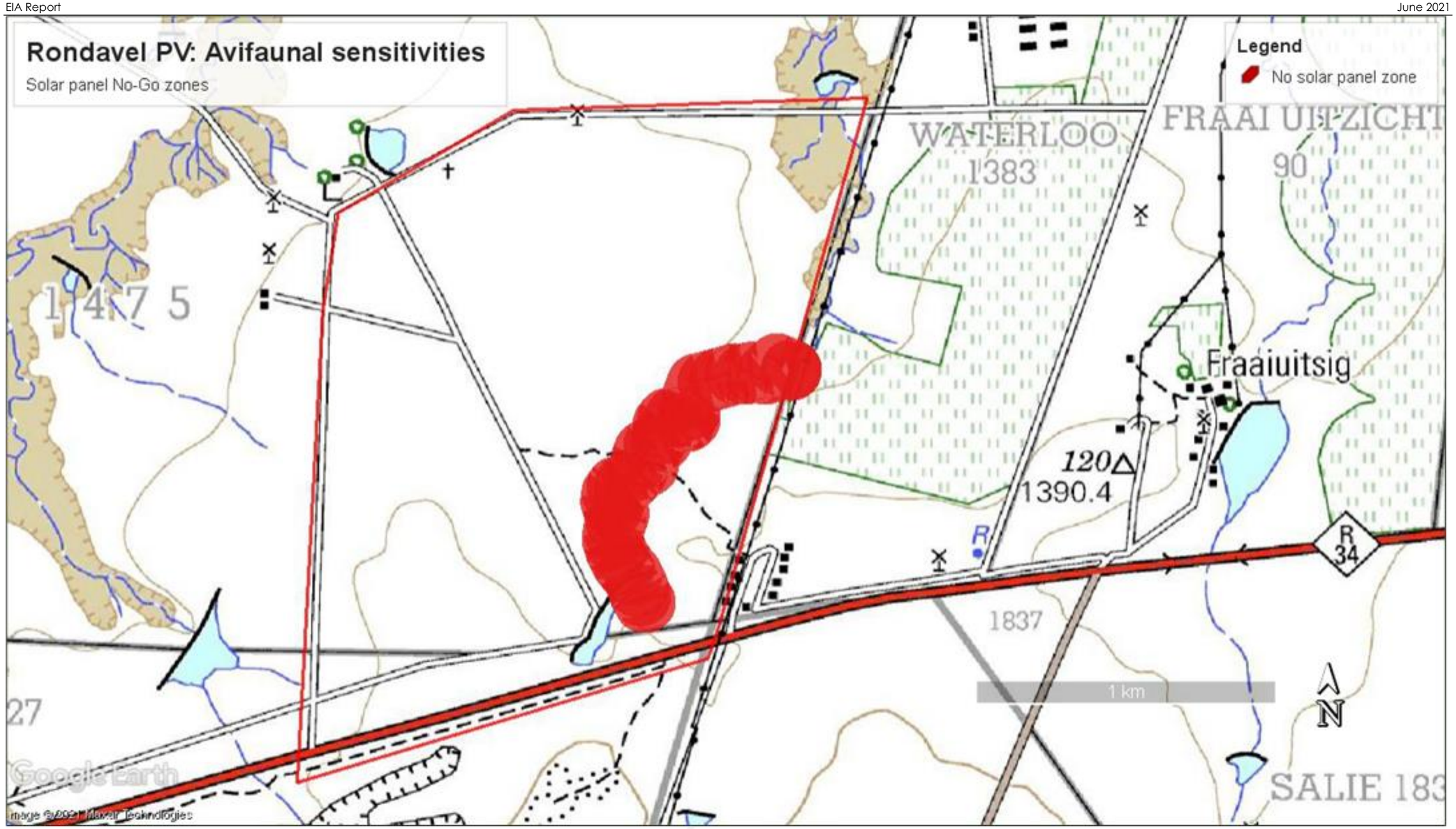

Figure 8.6. Avifaunal sensitivity of the Rondavel Solar PV Facility, showing 100m panel-free zones around freshwater habitats utilised by avifauna.

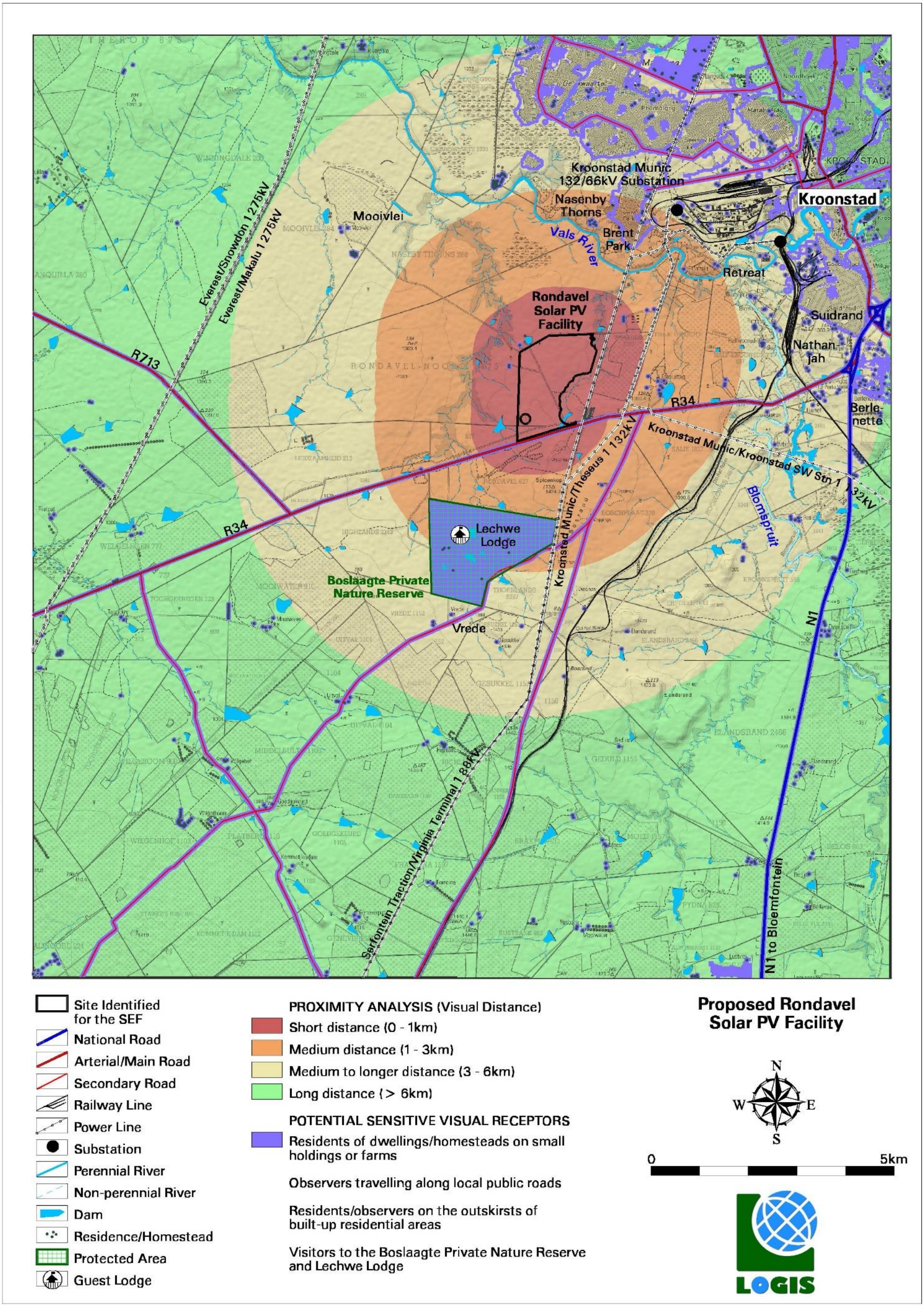

Figure 8.7: Proximity analysis and potential sensitive visual receptors.

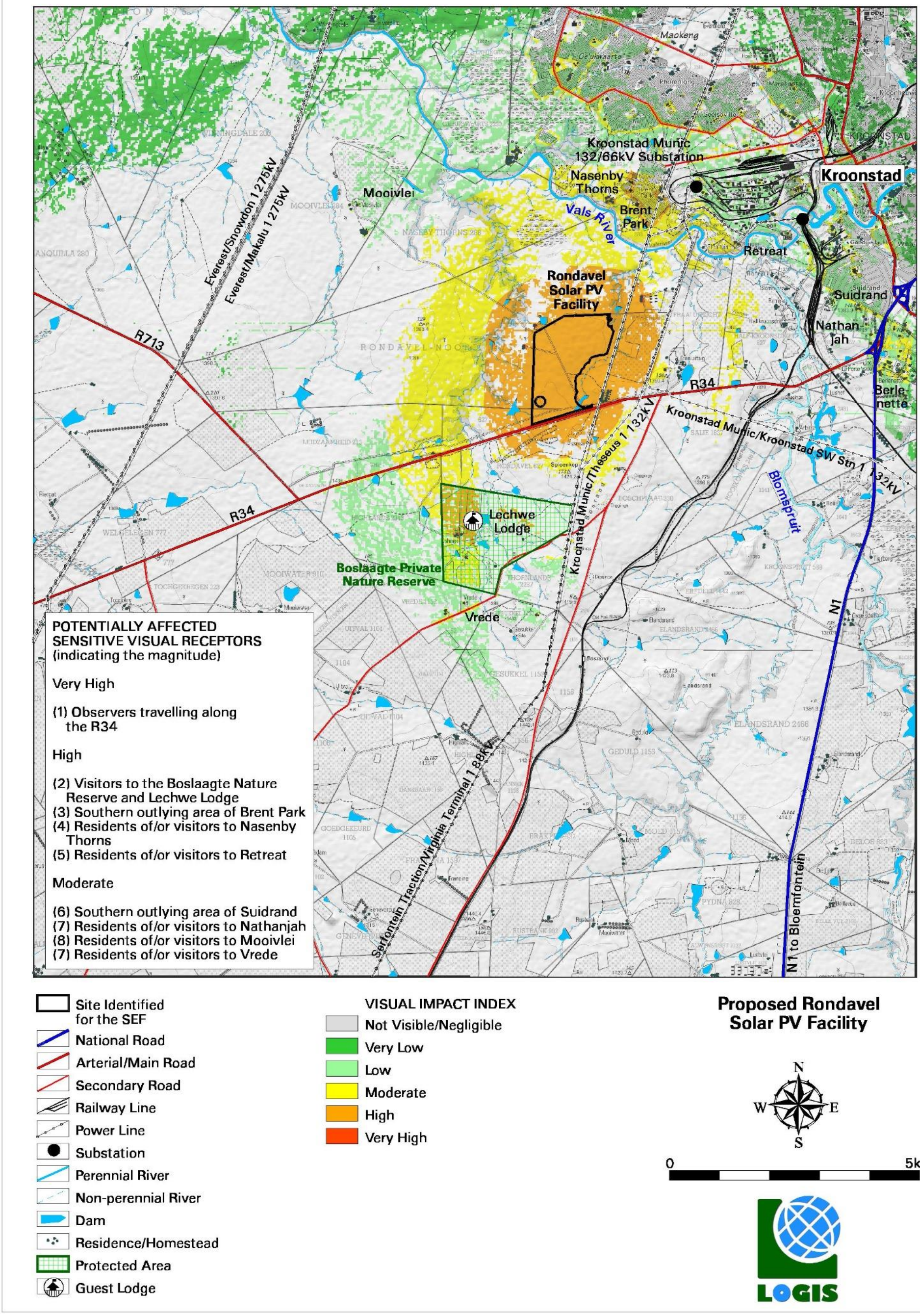

Figure 8.8: Visual impact index and potentially affected sensitive visual receptors.

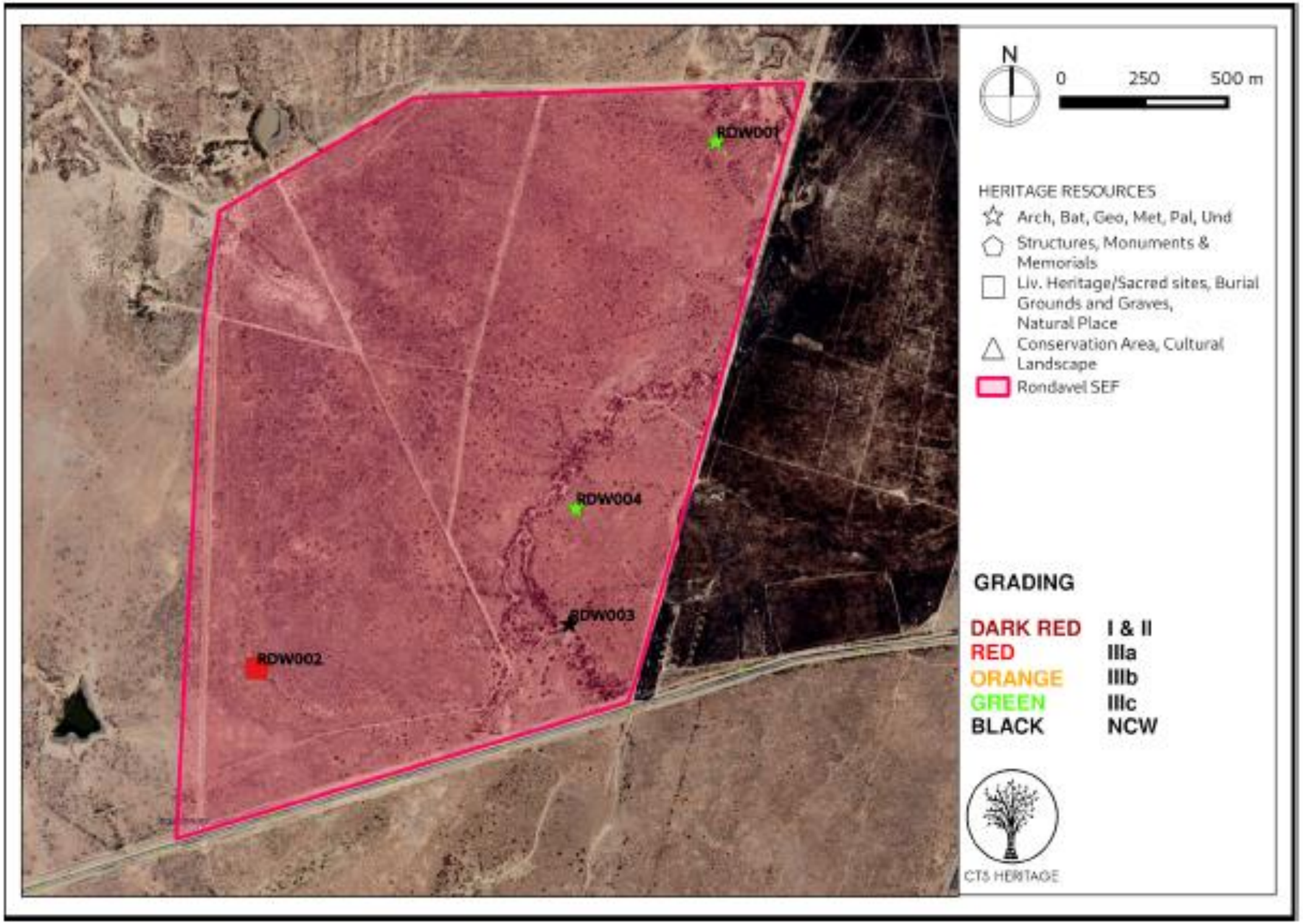

Figure 8.9: Observations made during the field assessments conducted for the Rondawel SEF

Figure 8.10. Agricultural sensitivity rating of the Rondavel PV facility development area.

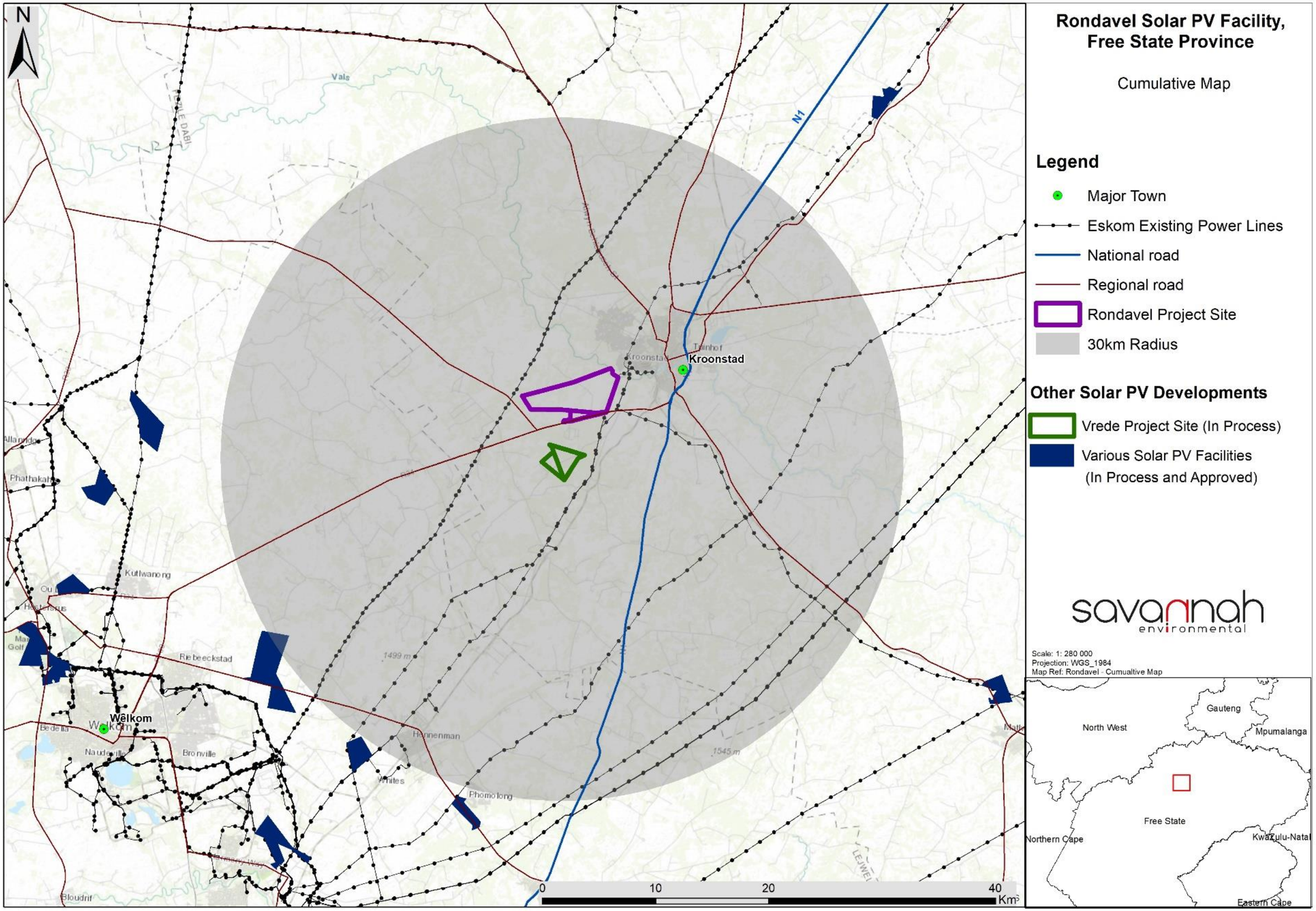

Figure 9.1: Cumulative map indicting the location of other solar energy developments within 30km of the Rondavel Solar PV Facility site

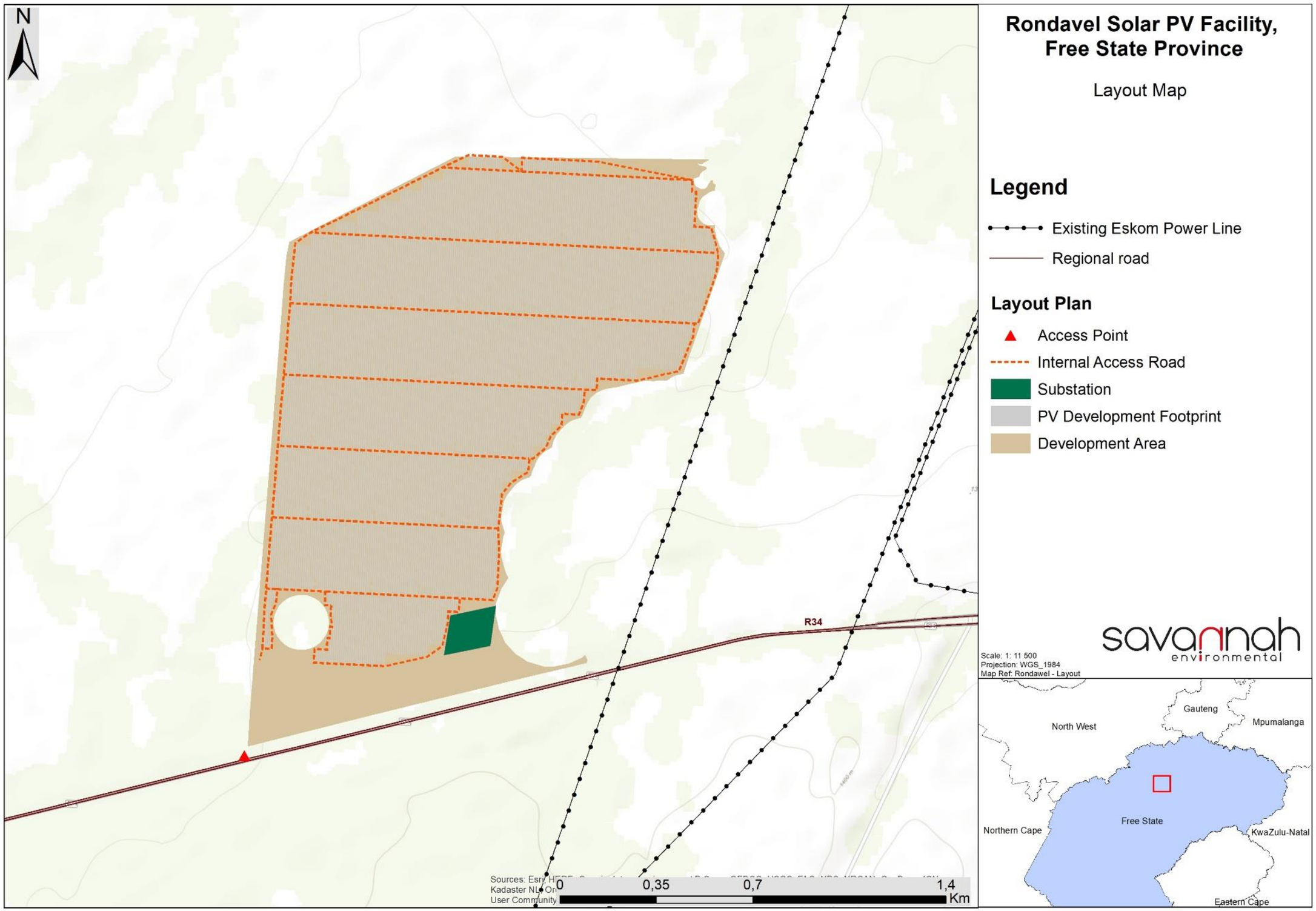

Figure 10.1: Layout of the Rondavel Solar PV facility assessed within the EIA process

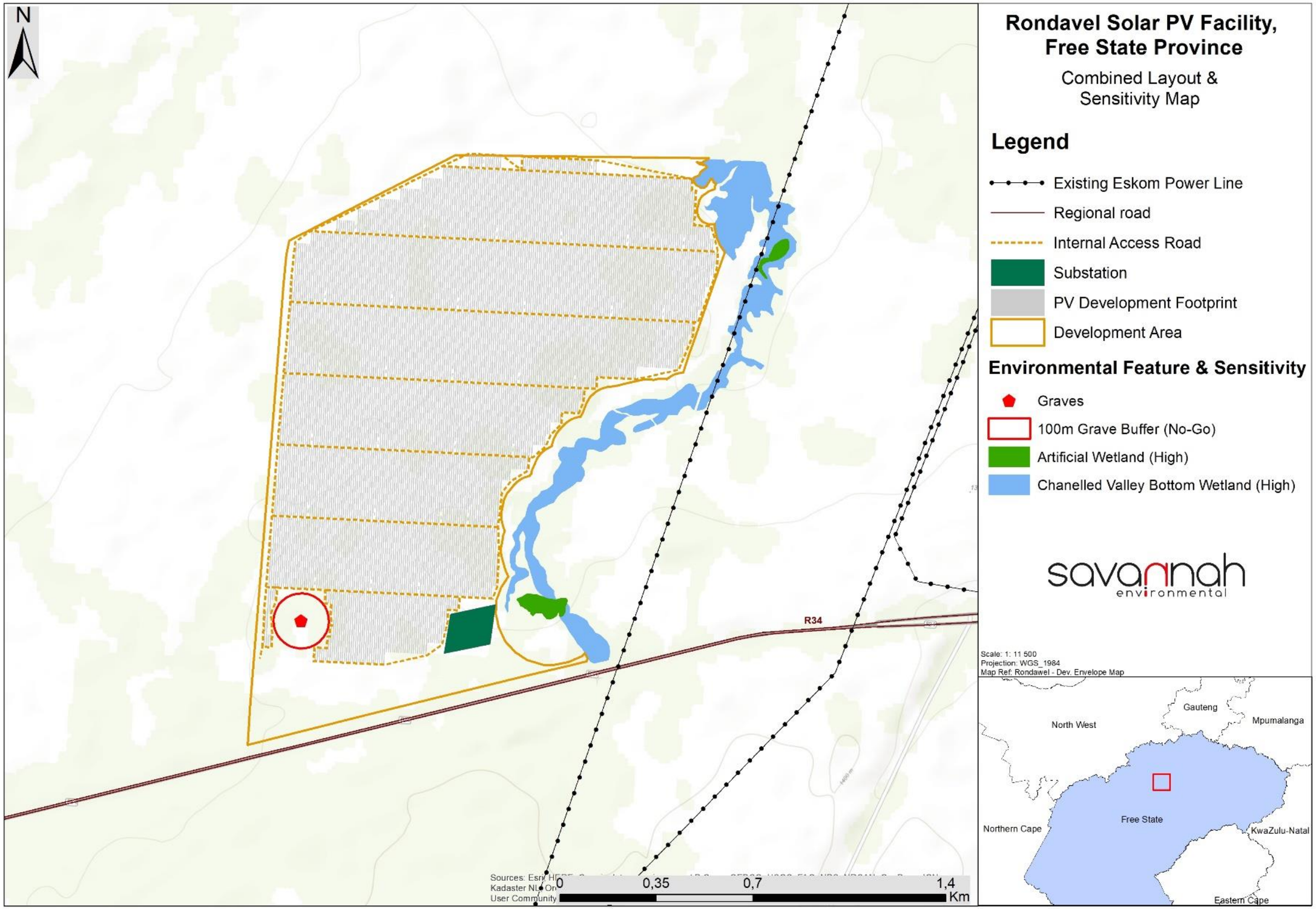

Figure 10.2: Sensitive environmental features identified within the development footprint assessed for Rondavel Solar PV Facility