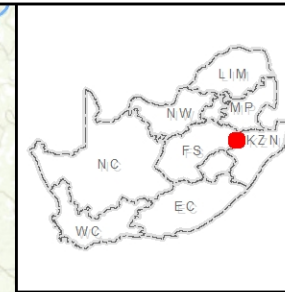
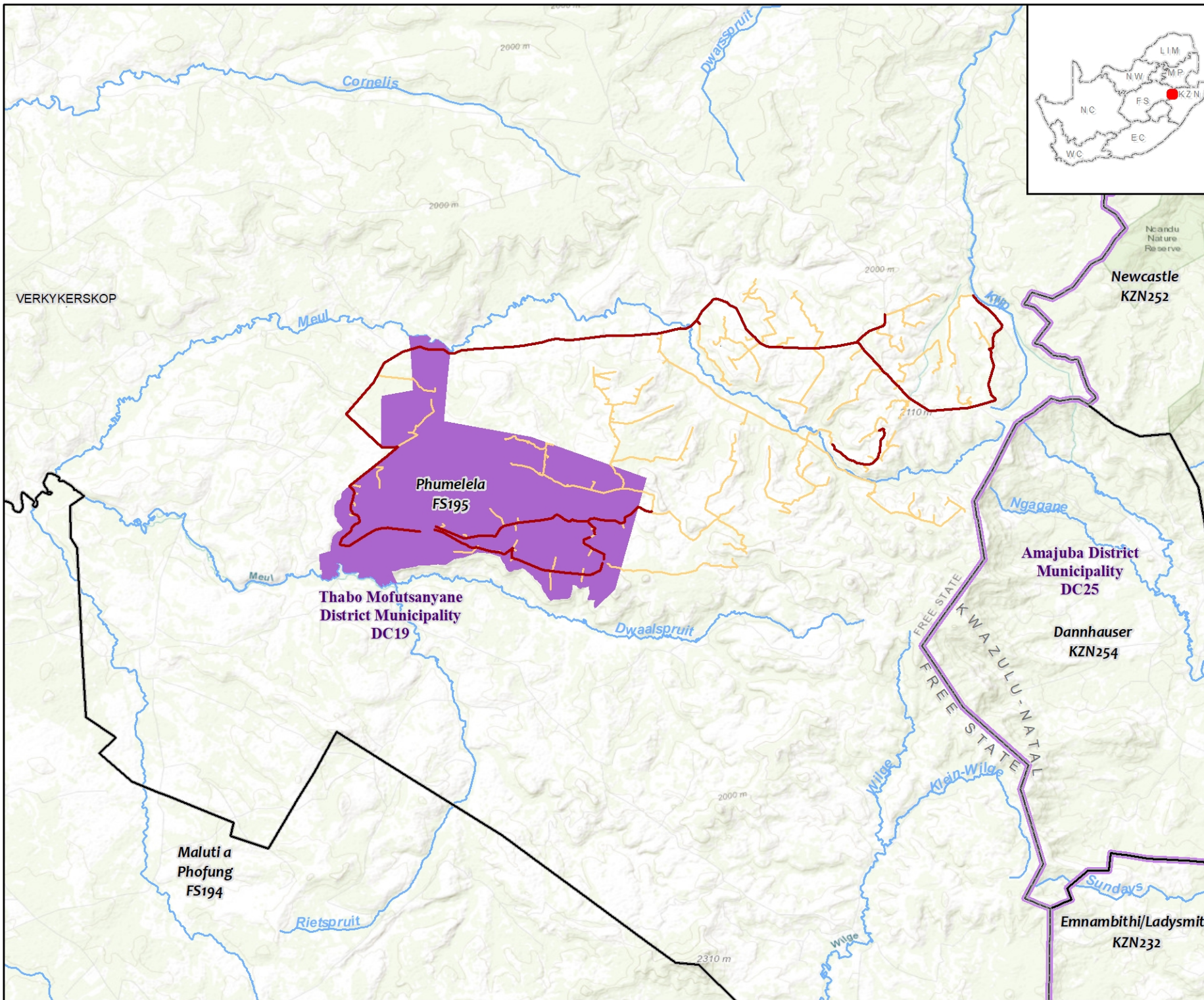


Appendix D

MAPS



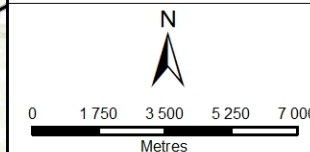


MULILO

GROOTHOEK WEF CLUSTER

Legend

- Towns - intermediate
- Major Rivers
- Proposed Roads
- Existing Roads
- Local Municipalities
- District Municipalities
- WEF Clusters
- Groothoek WEF



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PROJECTION: GCS WGS 1984

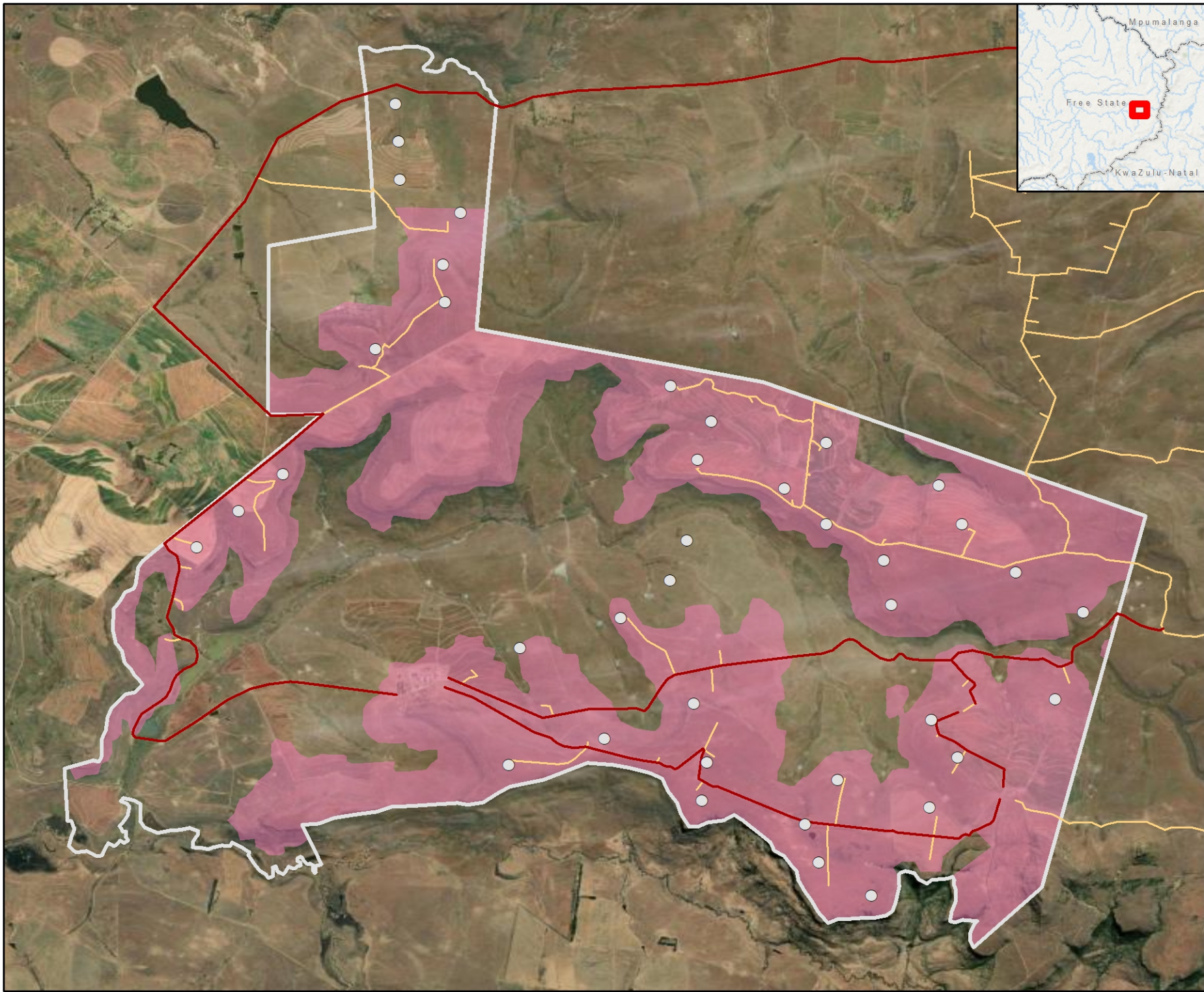
PROJECT TITLE: VERKYKERSKOP WEF CLUSTER EA

SCALE: 1:200 000 **DRAWN BY:** KM

DATE: 2024/09/13 **REVIEWED BY:** MG

FIGURE NO: **PROJECT NO:** 41106427 **REV:**

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MULILO

GROOTHOEK WEF CLUSTER

Legend

- Groothoek WEF
- Turbine Locations

Roads

- Existing Roads
- Proposed Roads

Likely buildable area

- Groothoek

N

0530106015902120

Metres

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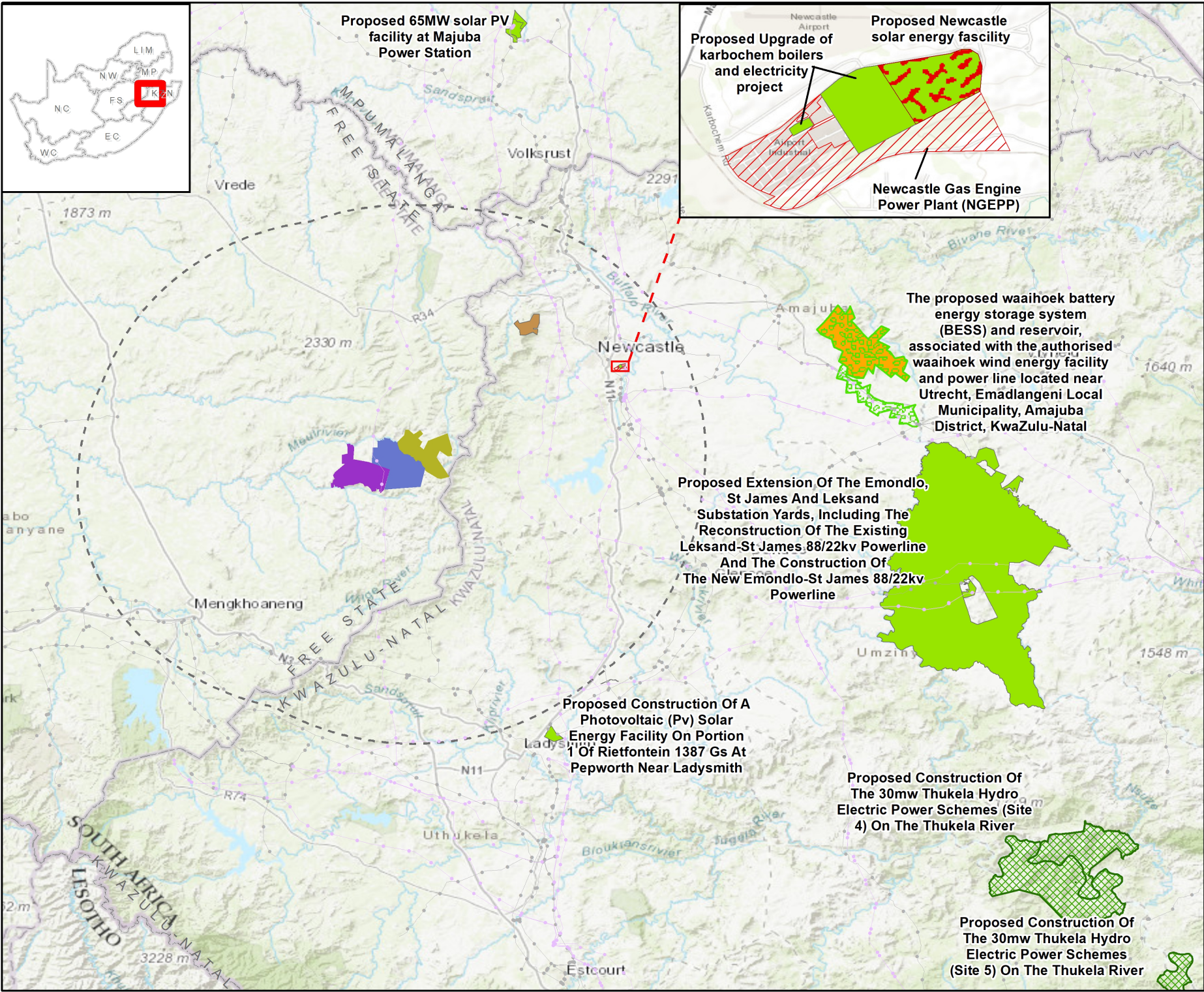
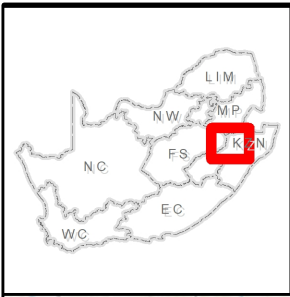
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PROJECTION: GCS WGS 1984

PROJECT TITLE: VERKERSKOP WEF CLUSTER EA

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MULILO

VERKYKERSKOP CUMULATIVE MAP

Legend

- Powerlines (TX)
- Powerlines (HV)

WEF Clusters

- Groothoek WEF
- Kromhof WEF
- Normandien WEF
- 50 km Buffer

Renewable Energy 2024 Q2

- Refused, Wind
- Approved, Wind
- Approved, PV
- Approved, Hydro
- In process, PV
- Refused, Biomass Biofuels
- Refused, PV

0 9 600 19 200 28 800 38 400

Metres

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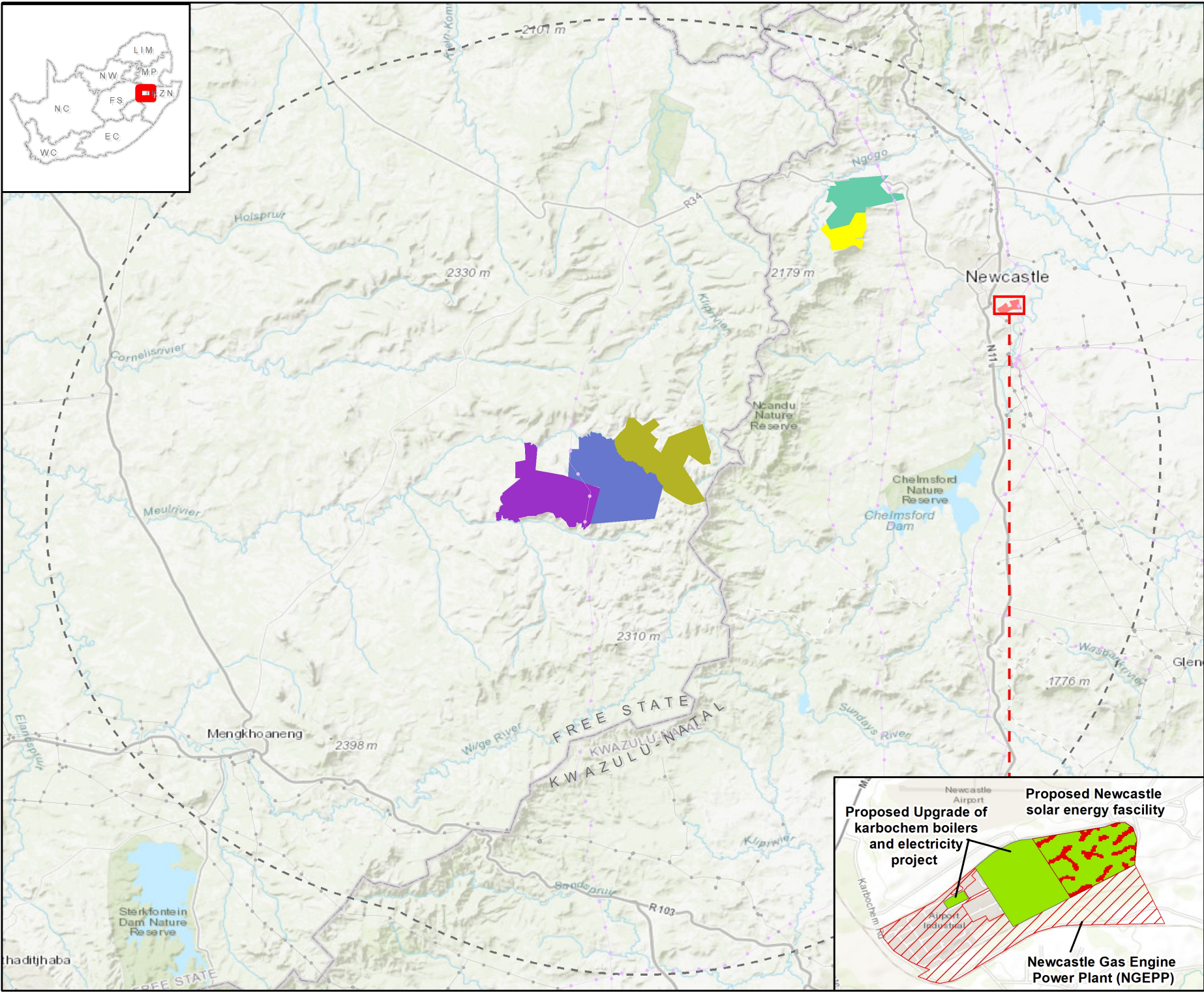
PROJECTION: GCS WGS 1984

PROJECT TITLE: VERKYKERSKOP WEF CLUSTER EA

SCALE: 1:1 000 000	DRAWN BY: KM	
DATE: 2024/09/19	REVIEWED BY: MG	
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MULILO

VERKYKERSKOP CUMULATIVE MAP

Legend

- Powerlines (TX)
- Powerlines (HV)
- 50 km Buffer
- Proposed Newcastle Solar Energy Facility
- Mulilo Newcastle Wind Power WEF
- Mulilo Newcastle Wind Power 2 WEF

WEF Clusters

- Groothoek WEF
- Kromhof WEF
- Normandien WEF

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PROJECTION: GCS WGS 1984

PROJECT TITLE: VERKYKERSKOP WEF CLUSTER EA

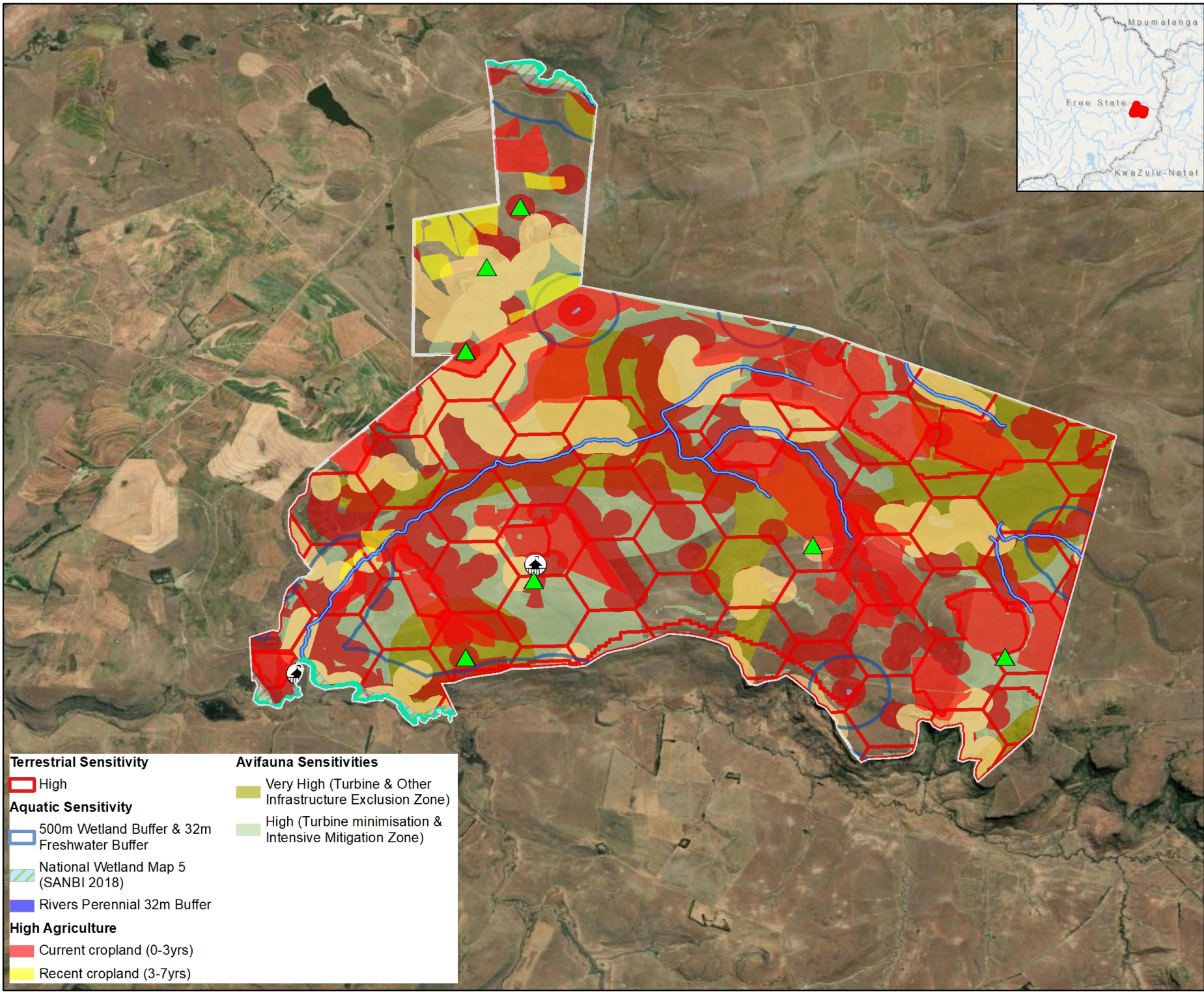
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Proposed Upgrade of karbochem boilers and electricity project

Proposed Newcastle solar energy facility

Newcastle Gas Engine Power Plant (NGEPP)



MULILO

GROOTHOEK WEF SENSITIVITY

Legend

- Groothoek WEF
- Heritage
- Groothoek Receptors
- Freshwater
- AB - Largely natural with few modifications

Bat Sensitivity

- High
- Medium-High

0 670 1340 2010 2680

Metres

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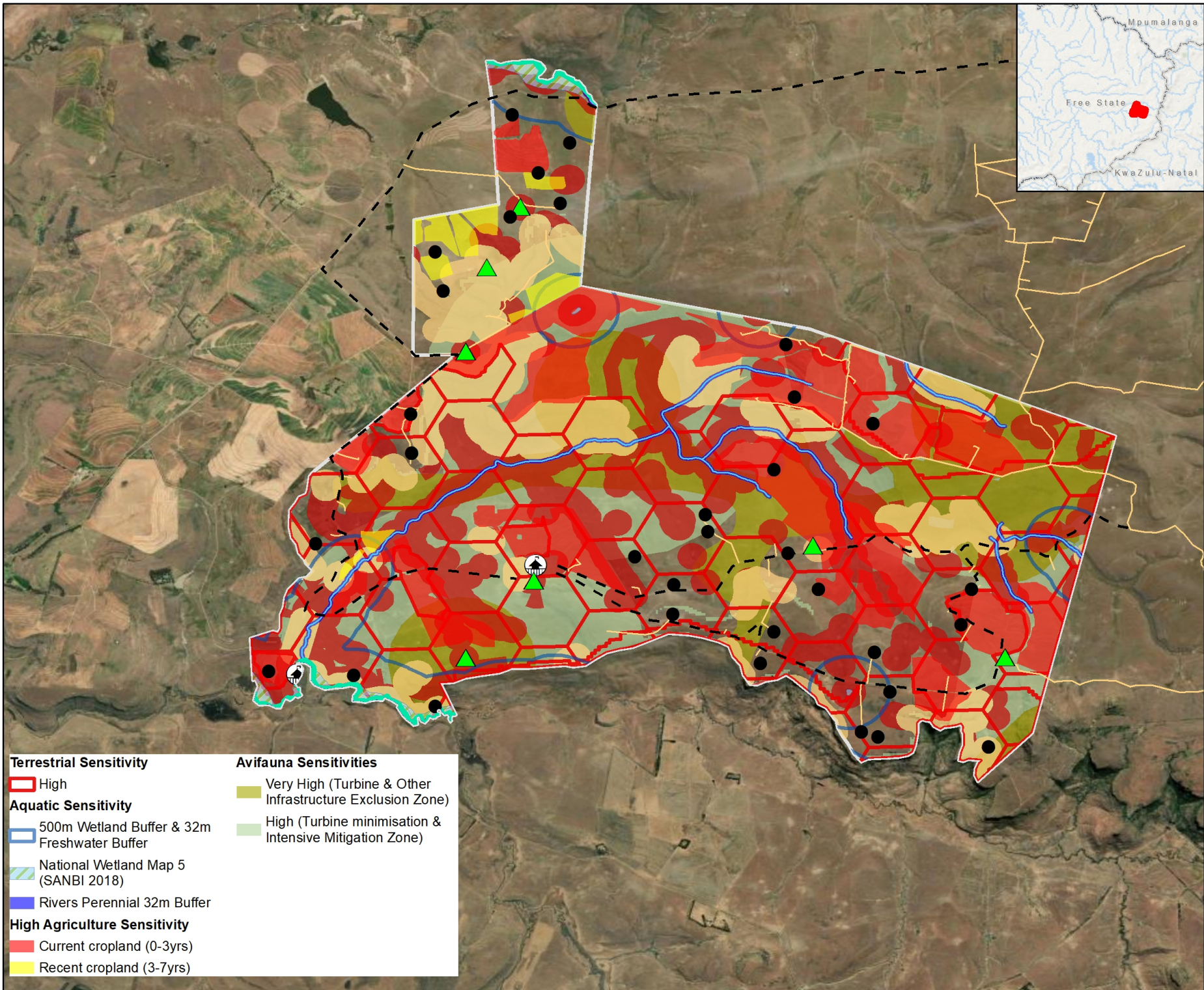
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PROJECT TITLE: VERKYEKRSKOP WEF CLUSTER EA

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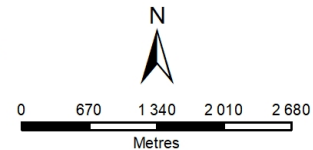
MULILO
GROOTHOEK WEF SENSITIVITY

Legend

- Turbine Locations
- ▭ Groothoek WEF
- 🏠 Heritage
- ▲ Groothoek Receptors
- - Existing Roads
- Proposed Roads
- Freshwater
- AB - Largely natural with few modifications

Bat Sensitivity

- High
- Medium-High



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Terrestrial Sensitivity

High

Aquatic Sensitivity

500m Wetland Buffer & 32m Freshwater Buffer

National Wetland Map 5 (SANBI 2018)

Rivers Perennial 32m Buffer

High Agriculture Sensitivity

Current cropland (0-3yrs)

Recent cropland (3-7yrs)

Avifauna Sensitivities

Very High (Turbine & Other Infrastructure Exclusion Zone)

High (Turbine minimisation & Intensive Mitigation Zone)