

# Upilanga Solar Park, Northern Cape Province

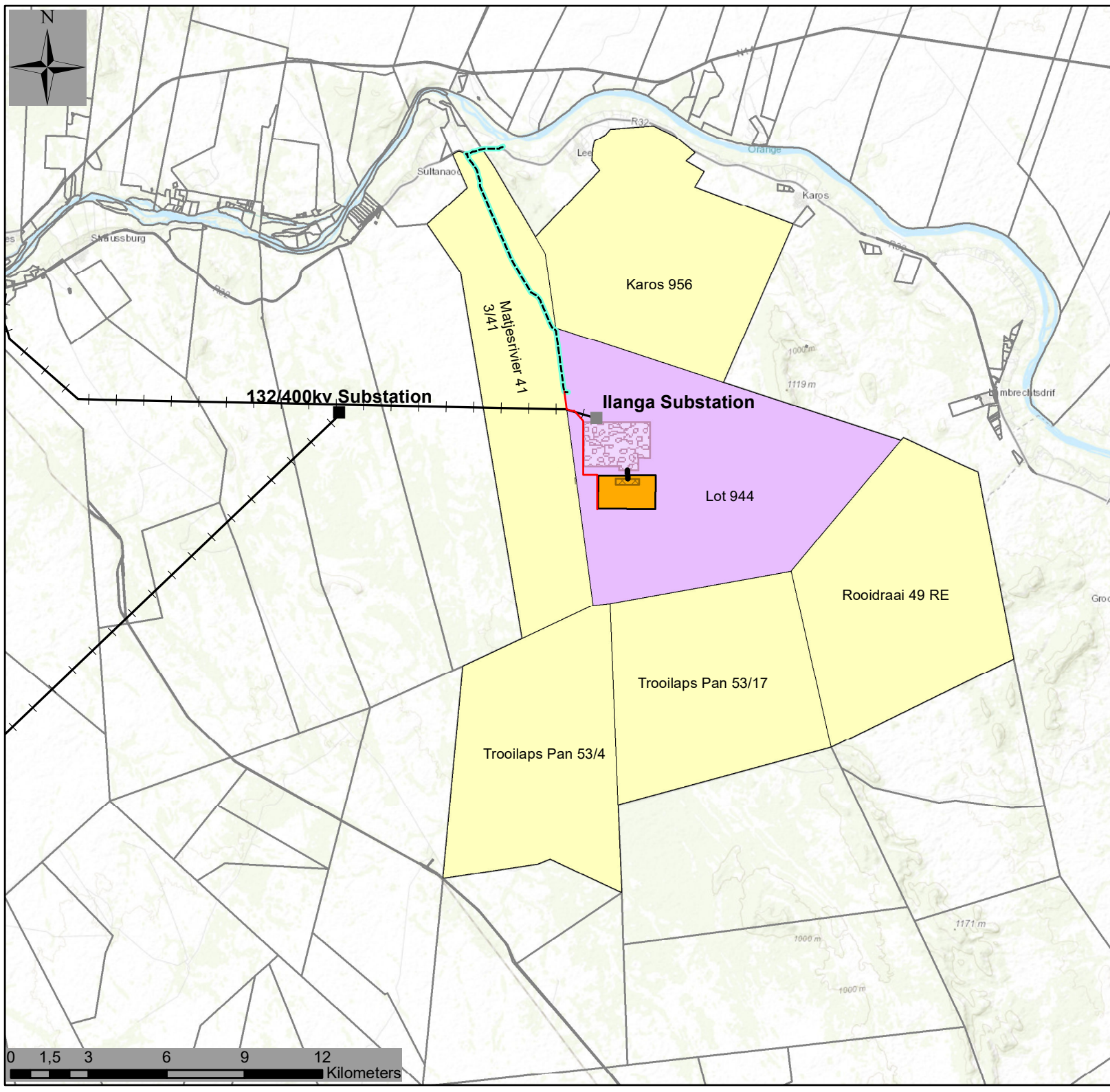
PV2 100MW Layout Map

## Legend

- Ilanga Substation
- 132/400KV Substation
- Authorised and operational Ilanga Access Road
- Access Road
- Authorised and operational Ilanga Water Pipeline
- Authorised Powerlines
- Inverter Underground cable connection
- ⊠ Invertors
- ▤ Ilanga Authorised CSP Site 1.3
- PV 2 100MW (283,05 ha)
- Affected Landowner
- Adjacent Landowners
- Farm Portions

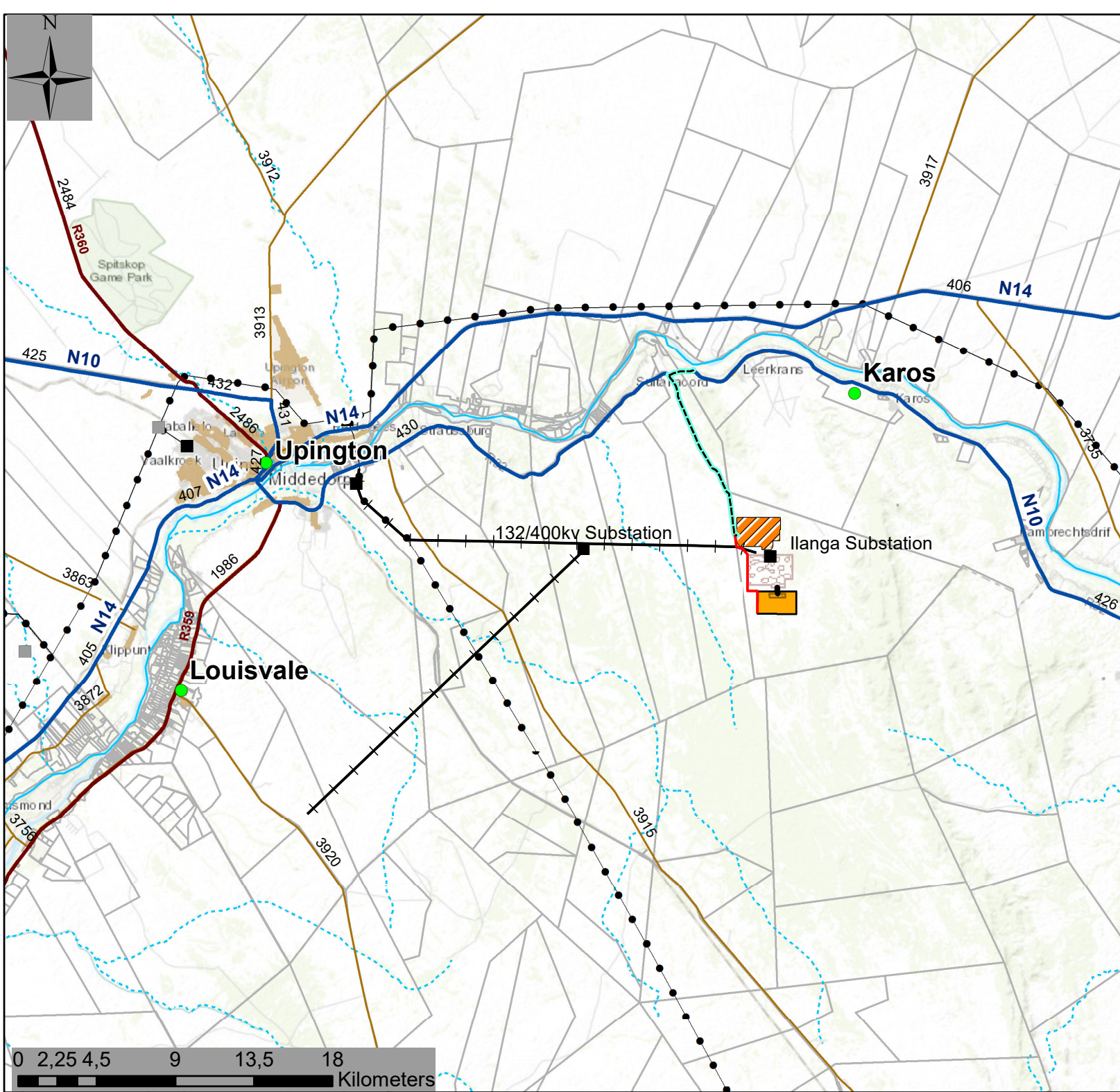
savannah  
environmental

Scale: 1:200 000  
Projection: GCS\_Hartebeesthoek\_1994  
Ref: PV2 100MW Layout Map



# Upilanga Solar Park, Northern Cape Province

PV 2 100MW Locality Map

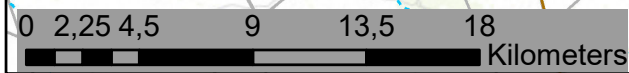


## Legend

- Town
- Substations
- Switching Stations
- Authorised and operational Ilanga Water Pipeline
- Existing Power Line
- Authorised Powerlines
- Inverter Underground cable connection
- Authorised and operational Ilanga Access Road
- Access Road
- National Road
- Regional Road
- Main Road
- Perennial River
- Non-perennial River
- Ilanga Authorised CSP Site 1.3
- PV 2 100MW (283,05 ha)
- Ilanga Authorised 1 CSP - Operating
- Invertors
- Farm Portions
- Urban / Built-up Area

savannah  
environmental

Scale: 1:300 000  
Projection: GCS\_Hartebeesthoek\_1994  
Ref: Upilanga PV 2 100MW Locality Map



# Upilanga Solar Park, Northern Cape Province

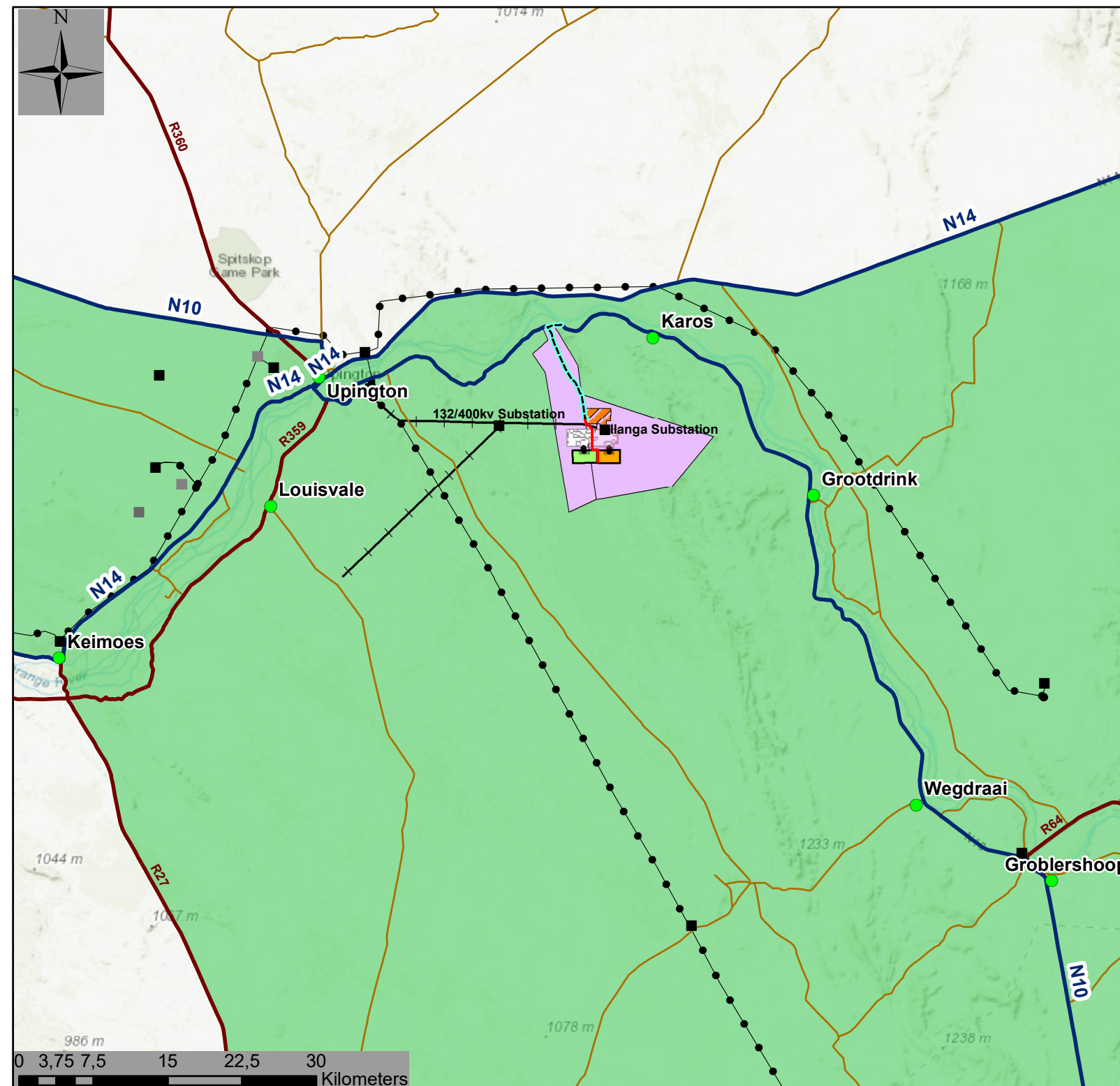
Renewable Energy Development Zone (REDZ)  
Focus Area 7 - Upington

## Legend

- Town
- Substations
- Switching Stations
- Existing Power Line
- +— Authorised Powerlines
- Authorised and operational Ilanga Water Pipeline
- - - Authorised and operational Ilanga Access Road
- Access Road
- National Road
- Regional Road
- Main Road
- Inverter Underground cable connection
- Inverters
- Ilanga Authorised 1 CSP - Operating
- Ilanga Authorised CSP Site 1.3
- Ilanga Authorised CSP Site 1.4
- PV 1 100MW (305,63 ha)
- PV 2 100MW (283,05 ha)
- Upilanga Solar Park Project Site
- Focus Area 7 - Upington

savannah  
environmental

Scale: 1:532 000  
Projection: GCS Hartebeesthoek\_1994  
Ref: Upilanga REDZ Map 29.07.2020



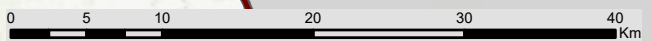
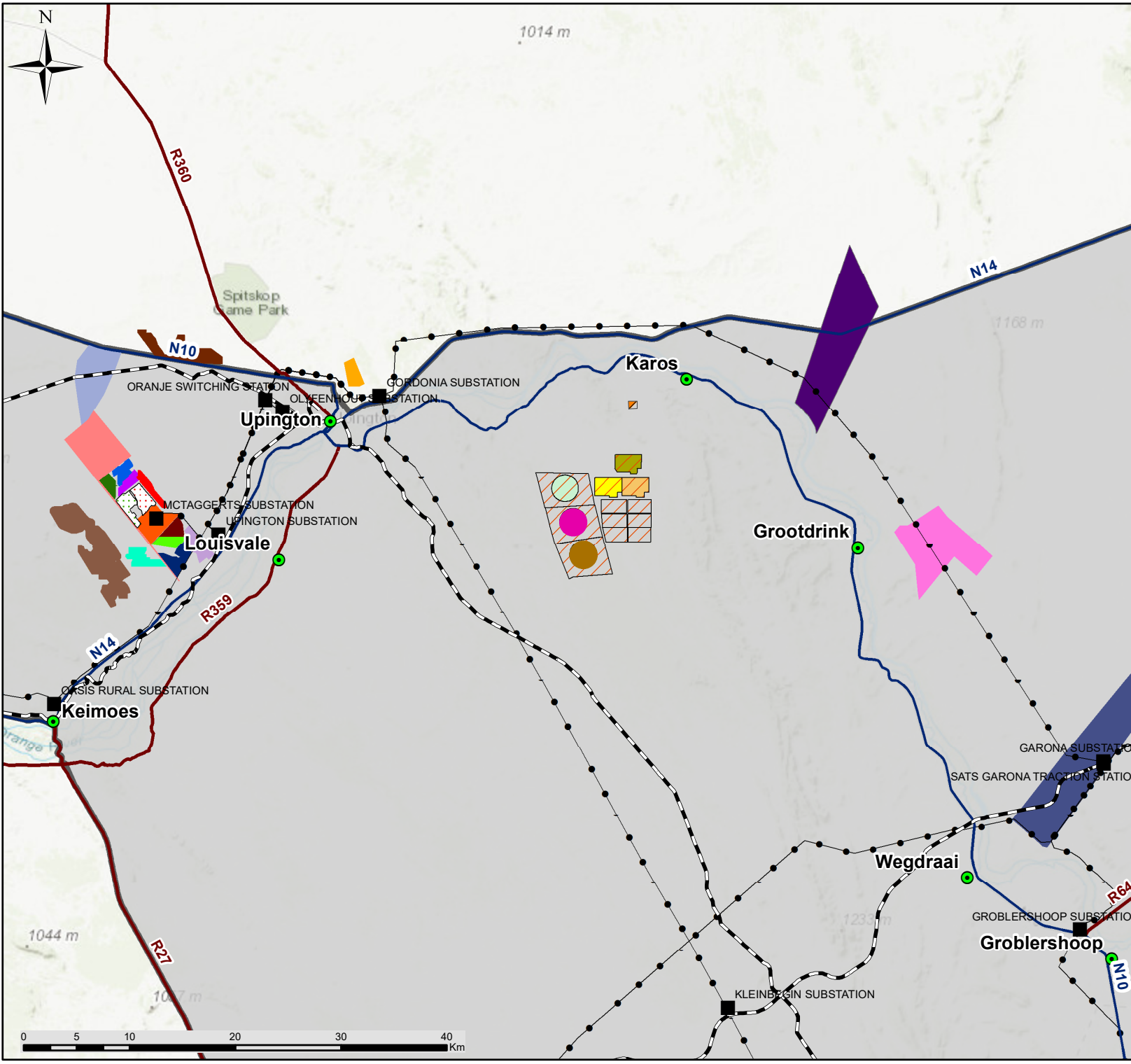
# Upilanga Solar Park, Northern Cape Province

## Cumulative Map: Renewable Energy Developments

### Legend

- Town
  - Eskom Substations
  - Railway Line
  - Regional Road
  - National Route
  - Eskom power line
  - Ilanga Study Site
  - Upington REDZ 7
- Operational:**
- Bokpoort Solar (1 x 50MW CSP)
  - Ilanga CSP 1 (1 x 100MW CSP)
  - Sirius Solar PV One (1 x 75MW PV)
  - Dyasons Klip PV 1 & 2 (2 x 75MW PV)
  - Khi Solar One (1x 50MW CSP)
  - Upington Airport Solar PV (1 x 8.9MW)
- Authorised:**
- Ilanga Site 3 (1 x 350MW CSP)
  - Ilanga Site 4 (1 x 350MW CSP)
  - Ilanga Site 5 (1 x 350MW CSP)
  - Ilanga Site 1.3 (1 x 100MW CSP)
  - Ilanga Site 1.4 (1 x 100MW CSP)
  - Karoshiek CPVPD 1, 2, 3 and 4 (4 x 25 MW)
  - Kheis Solar Park (3 x 75MW PV)
  - Tewa Isitha Solar (2 x 100MW PV)
  - McTaggarts PV1 Development Area
  - Sirius Solar PV Two (1 x 75MW PV)
  - Sirius Solar PV Three (1 x 100MW PV)
  - Sirius Solar PV Four (1 x 100MW PV)
  - McTaggarts PV2 (1x 75MW PV)
  - McTaggarts PV3 (1x 75MW PV)
  - Klip Punt PV1 (1x 75MW PV)
  - Allepad PV (4 x 100MW)
  - Rooipunt CSP (1 x 150MW CSP)
  - Bloemsmond Solar 1, 2, 3, 4 & 5 PV (2 x 75MW & 3x 100MW PV)
  - Solis Power I & II Project (1 x 150MW & 1 x 125MW CSP)
- In Process:**
- Ngwedi PV (1 x 100MW PV)
  - Naledi PV (1 x 100MW PV)











Scale: 1:500 000  
 Projection: LQ21  
 Ref: Upilanga Cumulative Map 8.07.2020







# Upilanga Solar Park, Northern Cape Province

## PV 2 100MW Sensitivity Map

### Legend

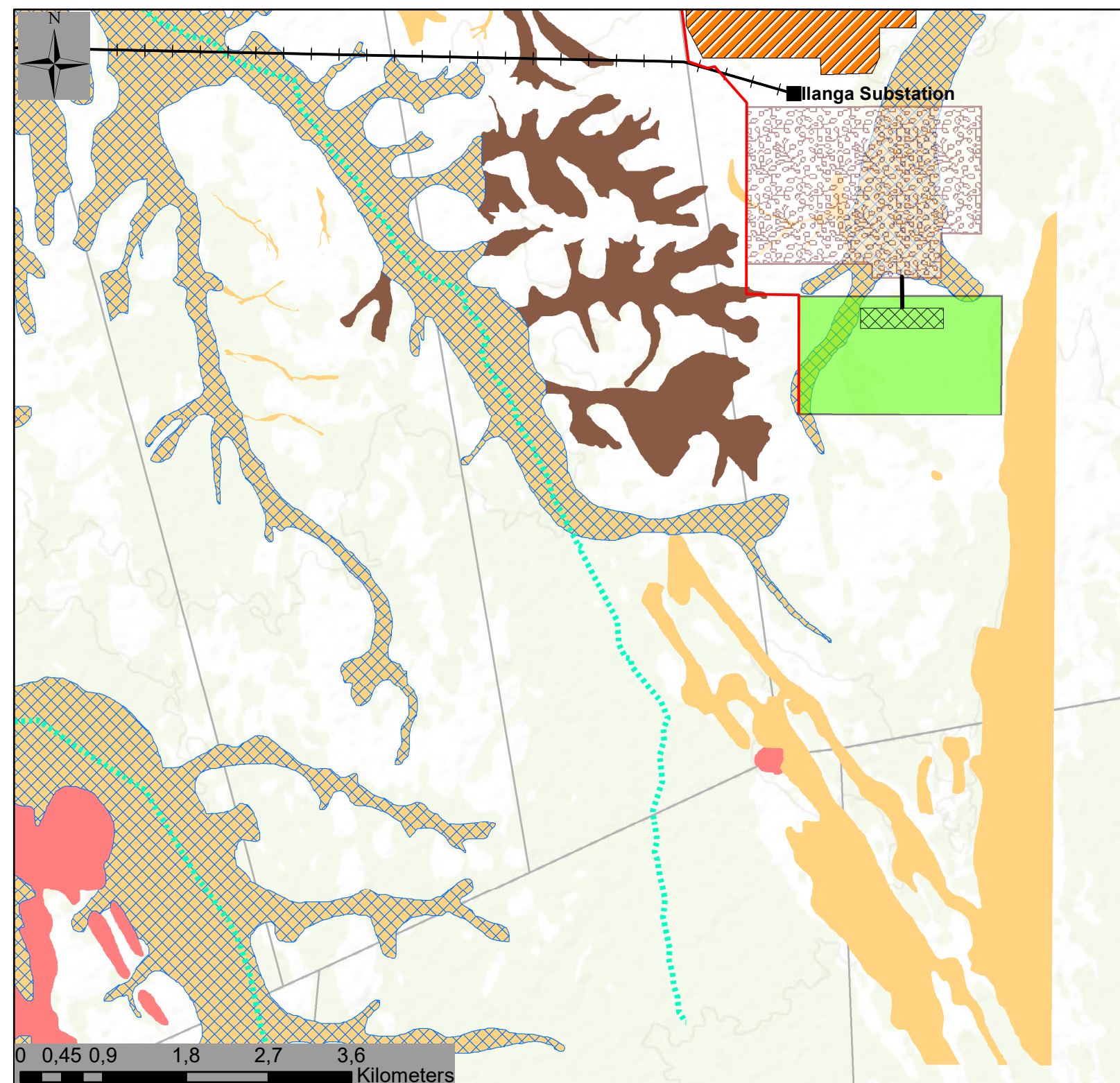
-  Ilanga Substation
-  Underground Cable Connection
-  Authorised Powerlines
-  Access Road
-  Non-perennial River
-  Invertor
-  Ilanga Authorised 1 CSP - Operating
-  Ilanga Authorised CSP Site 1.3
-  PV 2 100MW (283,05 ha)
-  Farm Portions

### Environmental Sensitivities

-  Very High Ecological Sensitivity
-  High Ecological Sensitivity
-  Medium Ecological Sensitivity
-  Alluvial watercourse (High Sensitivity)

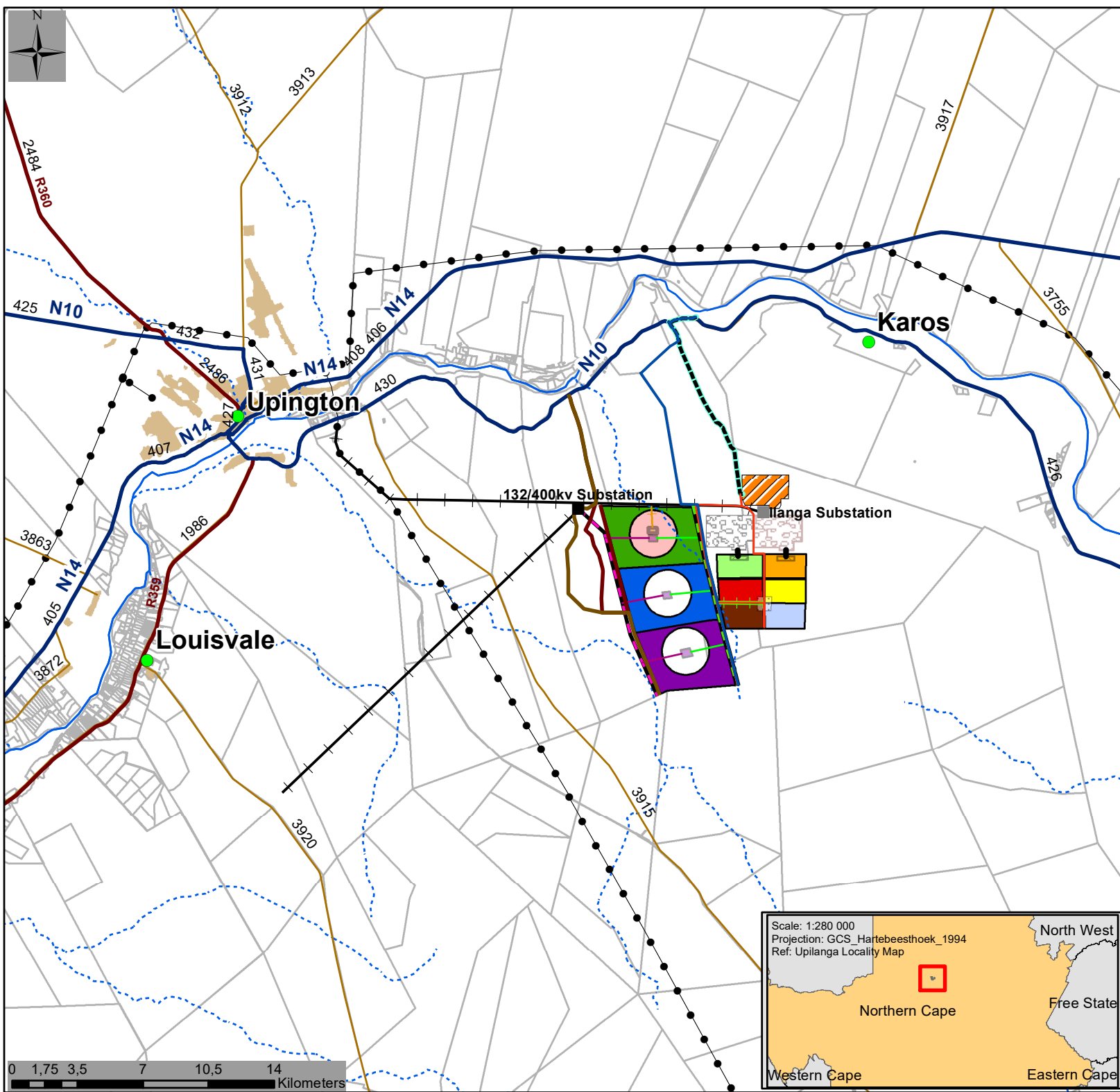
savannah  
environmental

Scale: 1:57 000  
Projection: GCS\_Hartebeesthoek\_1994  
Ref: Upilanga PV 2 100MW Sensitivity Map



# Upilanga Solar Park, Northern Cape Province

## Locality Map



### Legend

- Town
- Ilanga Substation
- 132/400KV Substation
- Access Roads
- Access Road 1
- Access Road 2
- Authorised and operational Ilanga Access Road
- National Road
- Regional Road
- Main Road
- Authorised and operational Ilanga Water Pipeline
- Updated New Water Pipeline
- 100MW Preferred Grid Connection (PV 6,7,8 and 9)
- New Powerline
- 350MW Grid Connection Alternative 1 to New Powerline
- 350MW Grid Connection Alternative 2 to Authorised Powerline
- Authorised Powerline
- Existing Authorised Powerlines
- Existing Power Line
- Perennial River
- Non-perennial River
- Inverter Underground cable connection
- 350MW CSP Switching Station Connection
- Collector Substation (PV 6,7,8 and 9)
- Invertors
- 350MW PV Switching/Step-up Stations
- 350MW CSP Switching Station
- Ilanga Authorised 1 CSP - Operating
- Ilanga Authorised CSP Site 1.4
- Ilanga Authorised CSP Site 1.3
- Authorised Site 3 CSP
- PV 1 100MW (305,63 ha)
- PV 2 100MW (283,05 ha)
- PV 3 350MW (1018,24 ha)
- PV 4 350MW (1021,57 ha)
- PV 5 350MW (1007,92 ha)
- PV 6 100MW (297,68 ha)
- PV 7 100MW (278,51 ha)
- PV 8 100MW (300,66 ha)
- PV 9 100MW (295,97 ha)
- Urban / Built-up Area

