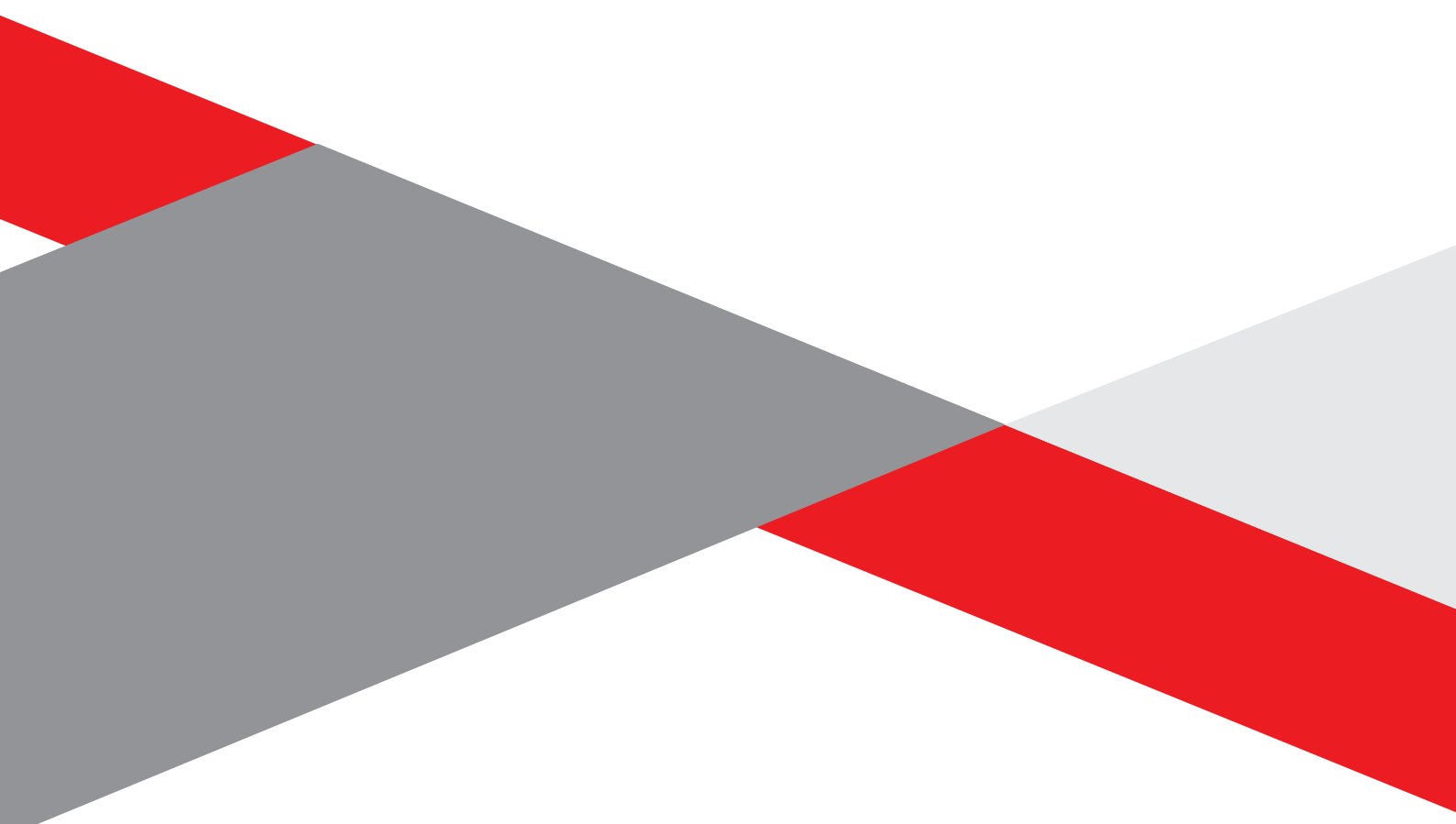


**APPENDIX M**  
**MAPS**



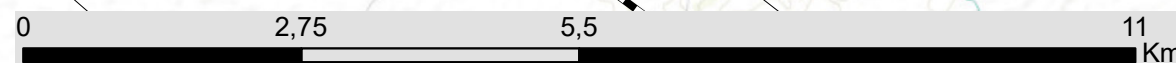
# Riet Fountain Grid Connection Infrastructure, De Aar, Northern Cape Province

## Locality Map

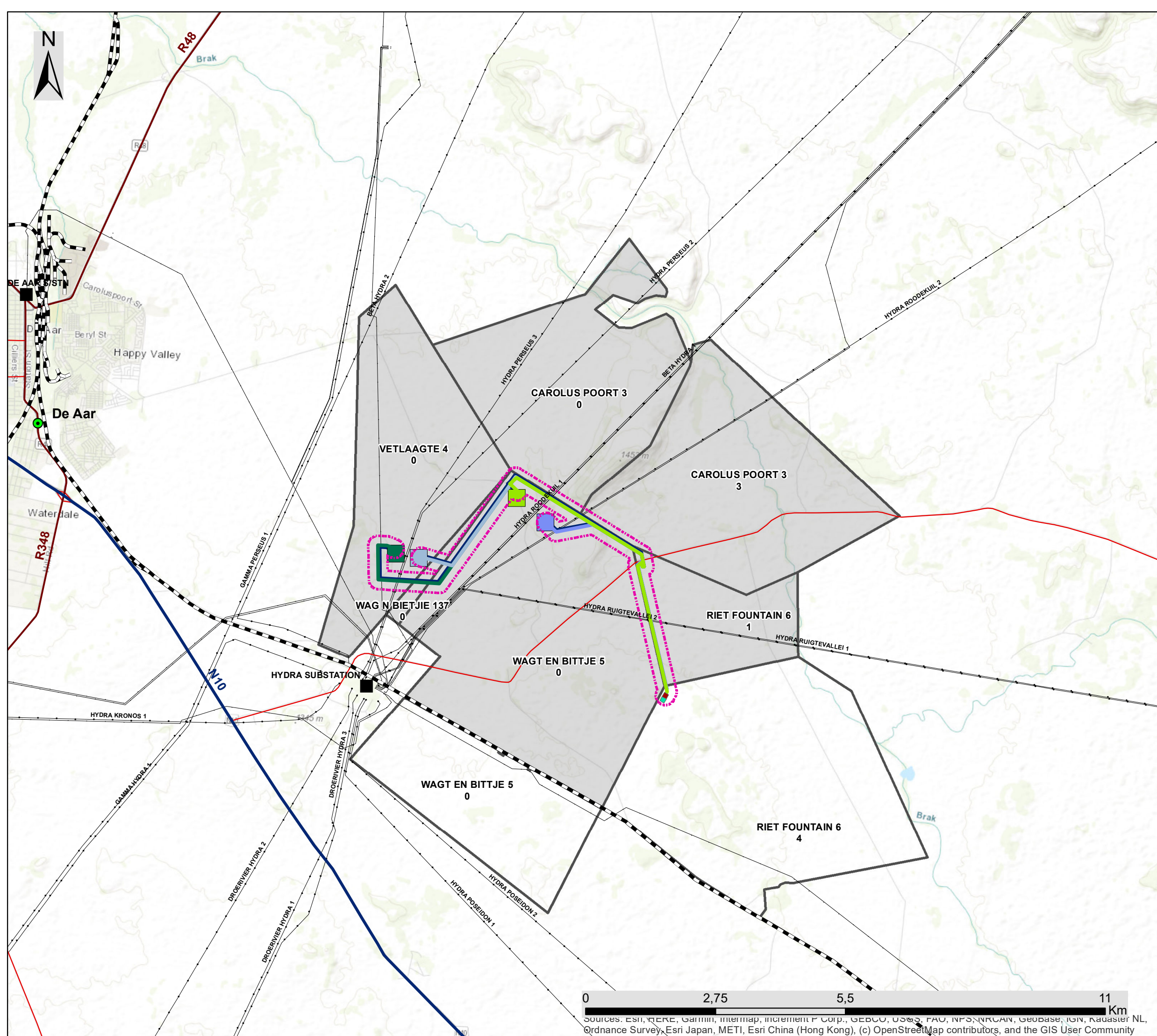
### Legend

- Eskom Substation
  - Existing Power Line
  - National Road
  - Regional Road
  - Main Road
  - Railway Line
  - Farm Portions
- MTS Connection Point (Separate EA Application)**
- Wag 'n Bietjie MTS (Alternative 1)
  - Vetlaagte MTS (Alternative 2)
  - Vetlaagte MTS (Alternative 3)
  - Wag 'n Bietjie MTS (Preferred)
- Grid Connection Infrastructure**
- 132 kV Grid Connection (Preferred)
  - 132 kV Grid Connection (Alternative 1)
  - 132 kV Grid Connection (Alternative 2)
  - 132 kV Grid Connection (Alternative 3)
  - 200m Buffer
  - Eskom Switching Station
  - IPP Substation

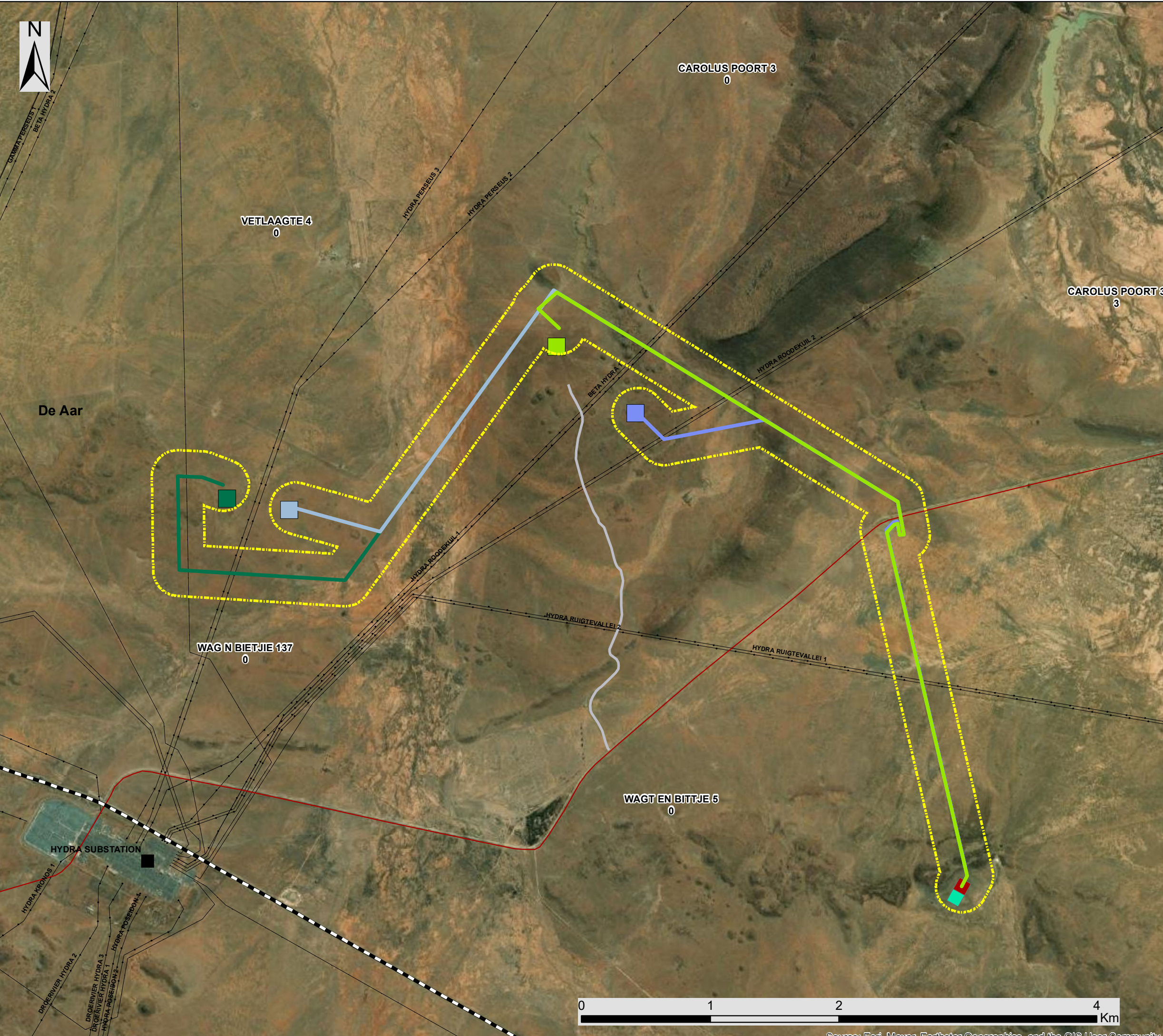
Scale: 1:30 000  
 Projection: GCS\_WGS\_1984  
 Map Ref: Riet Fountain Locality Map



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community







# Riet Fountain Grid Connection Infrastructure, De Aar, Northern Cape Province

## Access Road Map

### Legend

- Eskom Substation
- Existing Power Line
- Main Road
- Access Road
- Railway Line

### MTS Connection Point (Separate EA Application)

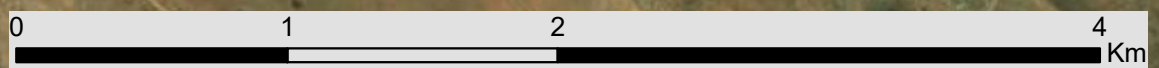
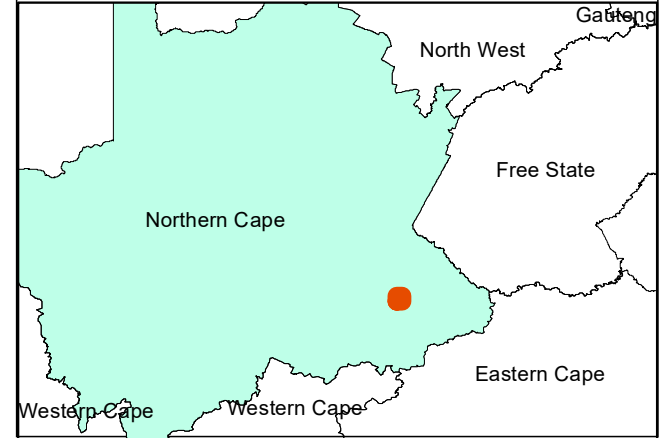
- Wag 'n Bietjie MTS (Alternative 1)
- Vetlaagte MTS (Alternative 2)
- Vetlaagte MTS (Alternative 3)
- Wag 'n Bietjie MTS (Preferred)

### Grid Connection Infrastructure

- 132 kV Grid Connection (Preferred)
- 132 kV Grid Connection (Alternative 1)
- 132 kV Grid Connection (Alternative 2)
- 132 kV Grid Connection (Alternative 3)
- 200m Buffer
- Eskom Switching Station
- IPP Substation



Scale: 1:30 000  
 Projection: GCS\_WGS\_1984  
 Map Ref: Riet Fountain Access Road Map







Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





# Riet Fountain Grid Connection Infrastructure, De Aar, Northern Cape Province

## Layout Map

### Legend




-  Eskom Substation
-  Existing Power Line
-  Main Road
-  Railway Line

### MTS Connection Point (Separate EA Application)

-  Wag 'n Bietjie MTS (Alternative 1)
-  Vetlaagte MTS (Alternative 2)
-  Vetlaagte MTS (Alternative 3)
-  Wag 'n Bietjie MTS (Preferred)

### Grid Connection Infrastructure

-  132 kV Grid Connection (Preferred)
-  132 kV Grid Connection (Alternative 1)
-  132 kV Grid Connection (Alternative 2)
-  132 kV Grid Connection (Alternative 3)

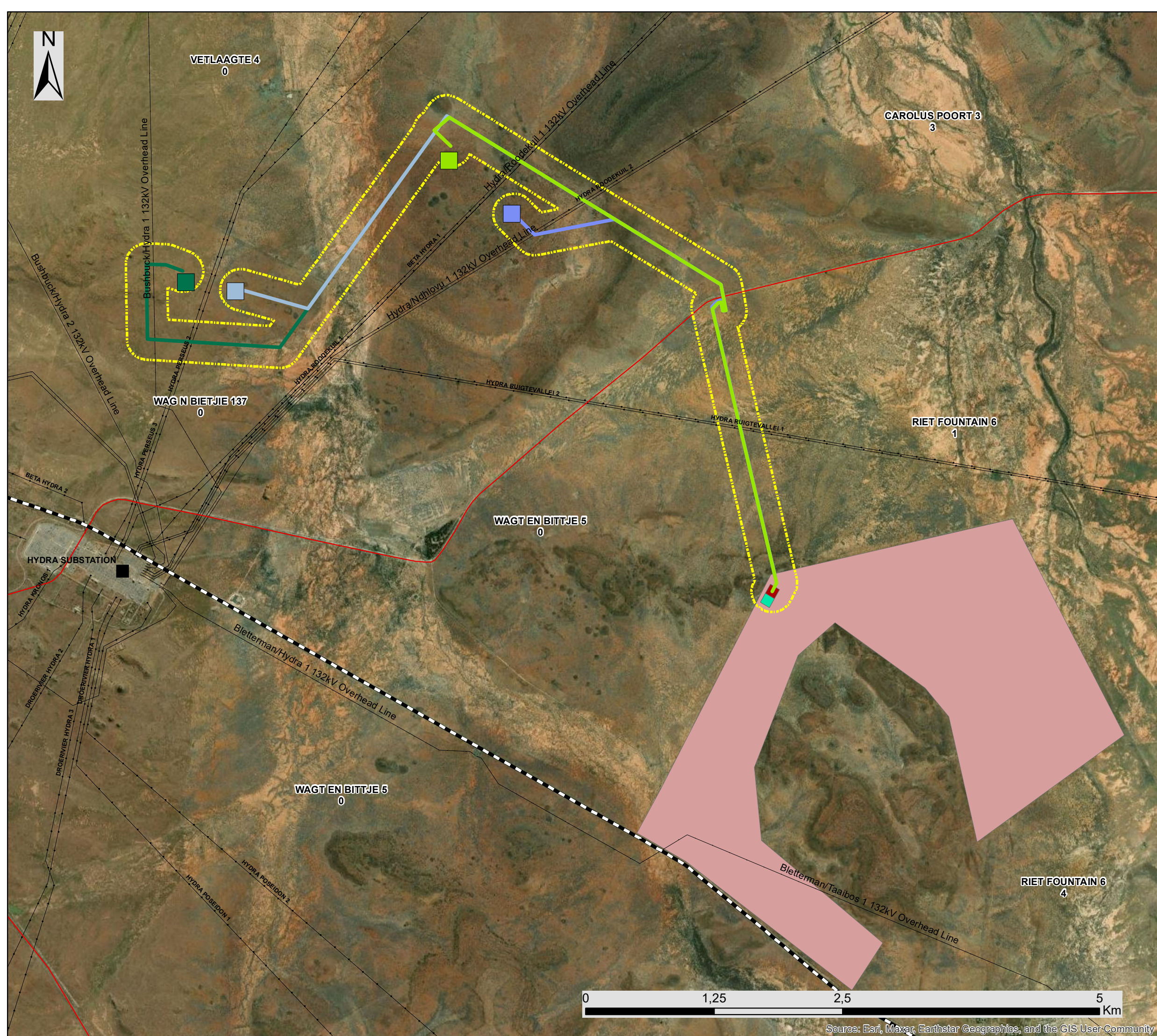
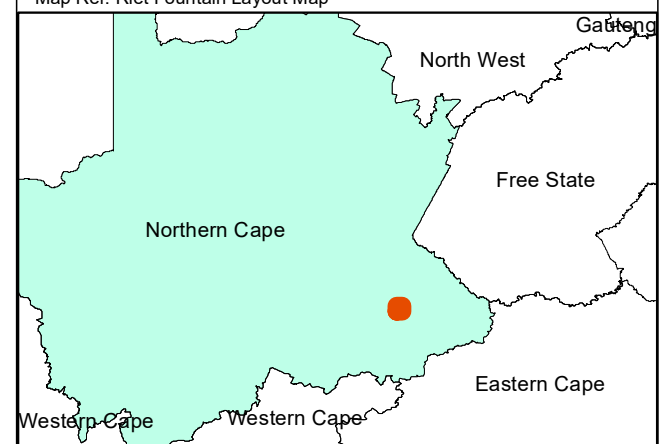
-  200m Buffer
-  Eskom Switching Station
-  IPP Substation

### Solar PV Facility

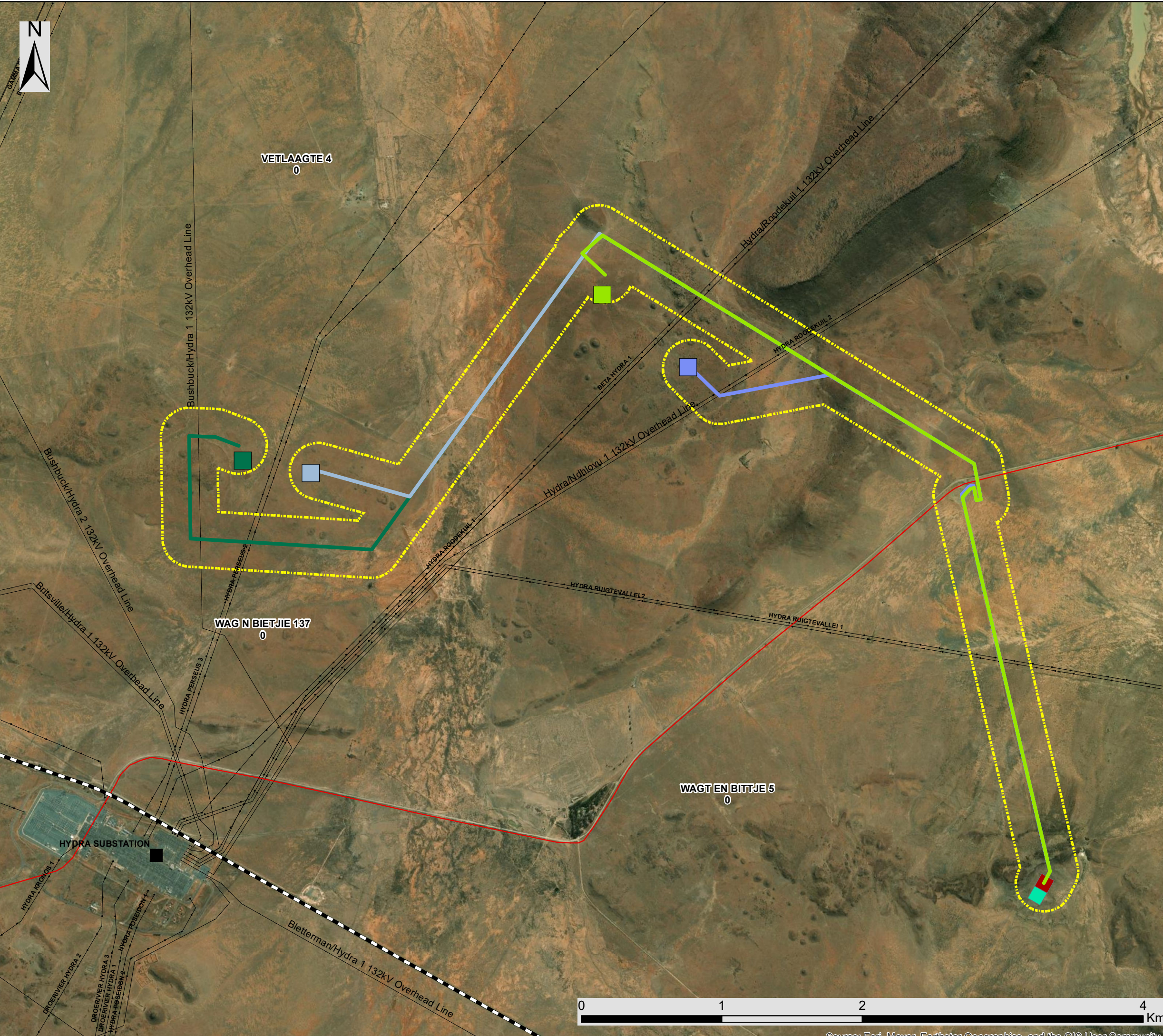
-  Riet Fountain Solar PV1



Scale: 1:30 000  
 Projection: GCS\_WGS\_1984  
 Map Ref: Riet Fountain Layout Map







# Riet Fountain Grid Connection Infrastructure, De Aar, Northern Cape Province

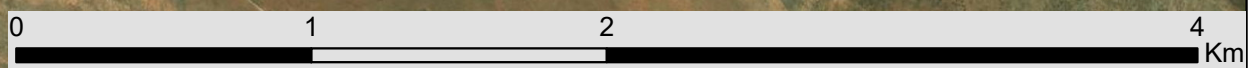
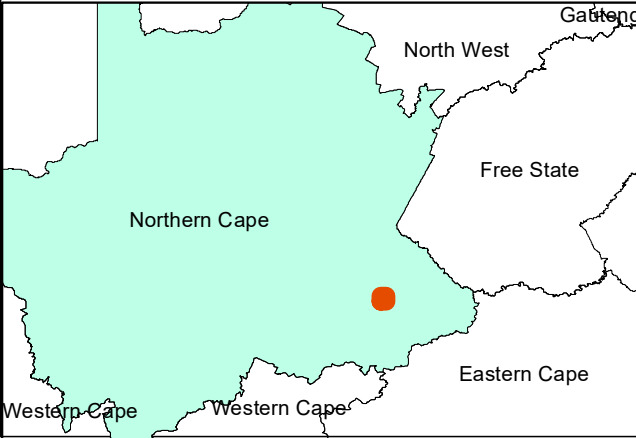
## Layout Map

### Legend

- Eskom Substation
  - Existing Power Line
  - Main Road
  - Railway Line
- MTS Connection Point (Separate EA Application)**
- Wag 'n Bietjie MTS (Alternative 1)
  - Vetlaagte MTS (Alternative 2)
  - Vetlaagte MTS (Alternative 3)
  - Wag 'n Bietjie MTS (Preferred)
- Grid Connection Infrastructure**
- 132 kV Grid Connection (Preferred)
  - 132 kV Grid Connection (Alternative 1)
  - 132 kV Grid Connection (Alternative 2)
  - 132 kV Grid Connection (Alternative 3)
  - 200m Buffer
  - Eskom Switching Station
  - IPP Substation



Scale: 1:30 000  
 Projection: GCS\_WGS\_1984  
 Map Ref: Riet Fountain Layout Map



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





# Riet Fountain Grid Connection Infrastructure, De Aar, Northern Cape Province

## Preferred Layout Map

### Legend

— Existing Power Line

— Main Road

**MTS Connection Point (Separate EA Application)**

 Wag 'n Bietjie MTS (Preferred)

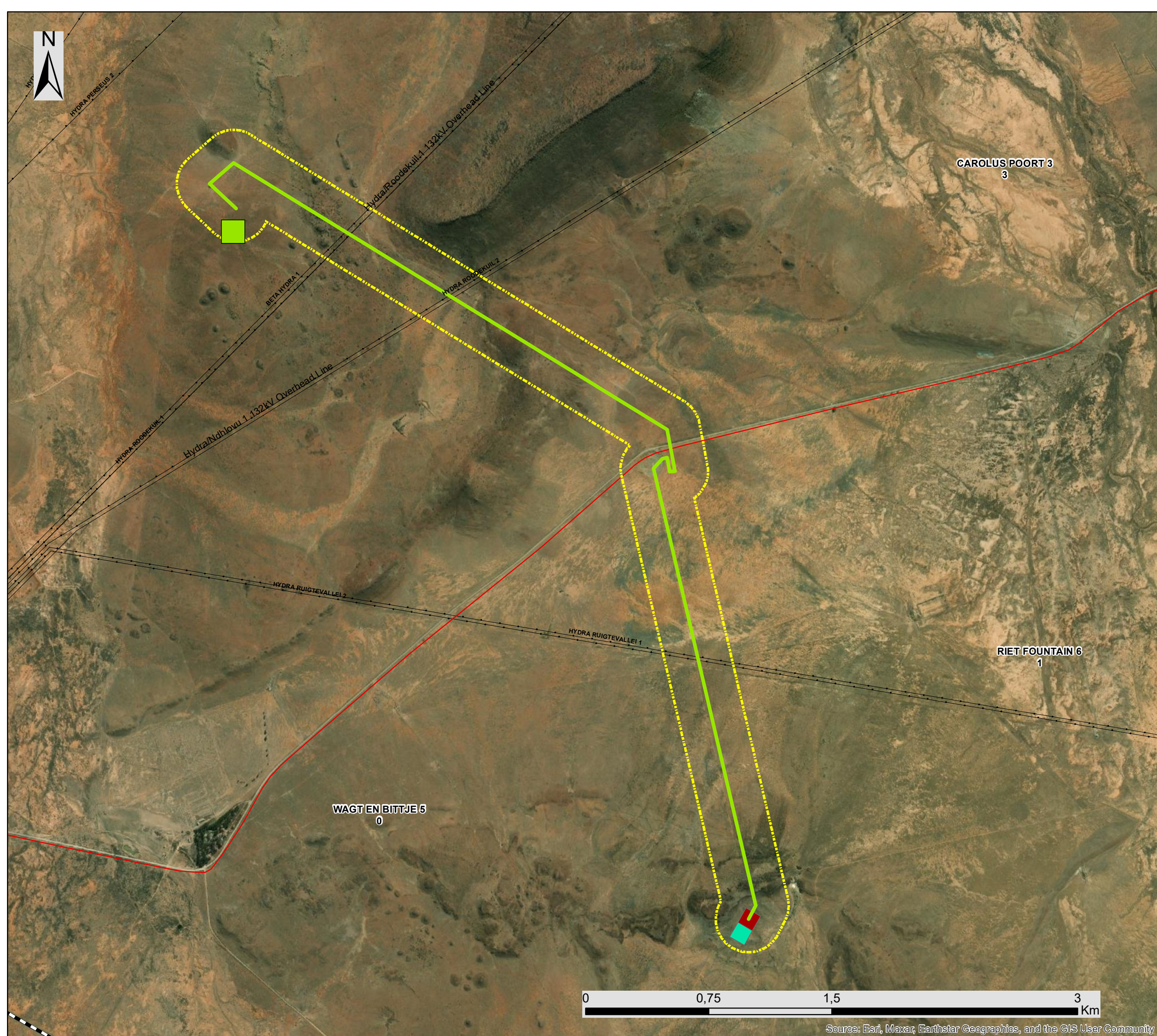
**Grid Connection Infrastructure**

 132 kV Grid Connection (Preferred)

 200m Buffer

 Eskom Switching Station

 IPP Substation

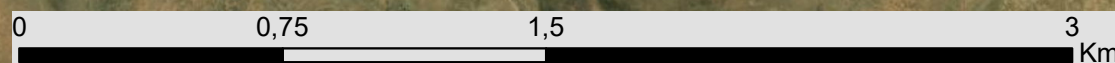


Scale: 1:30 000

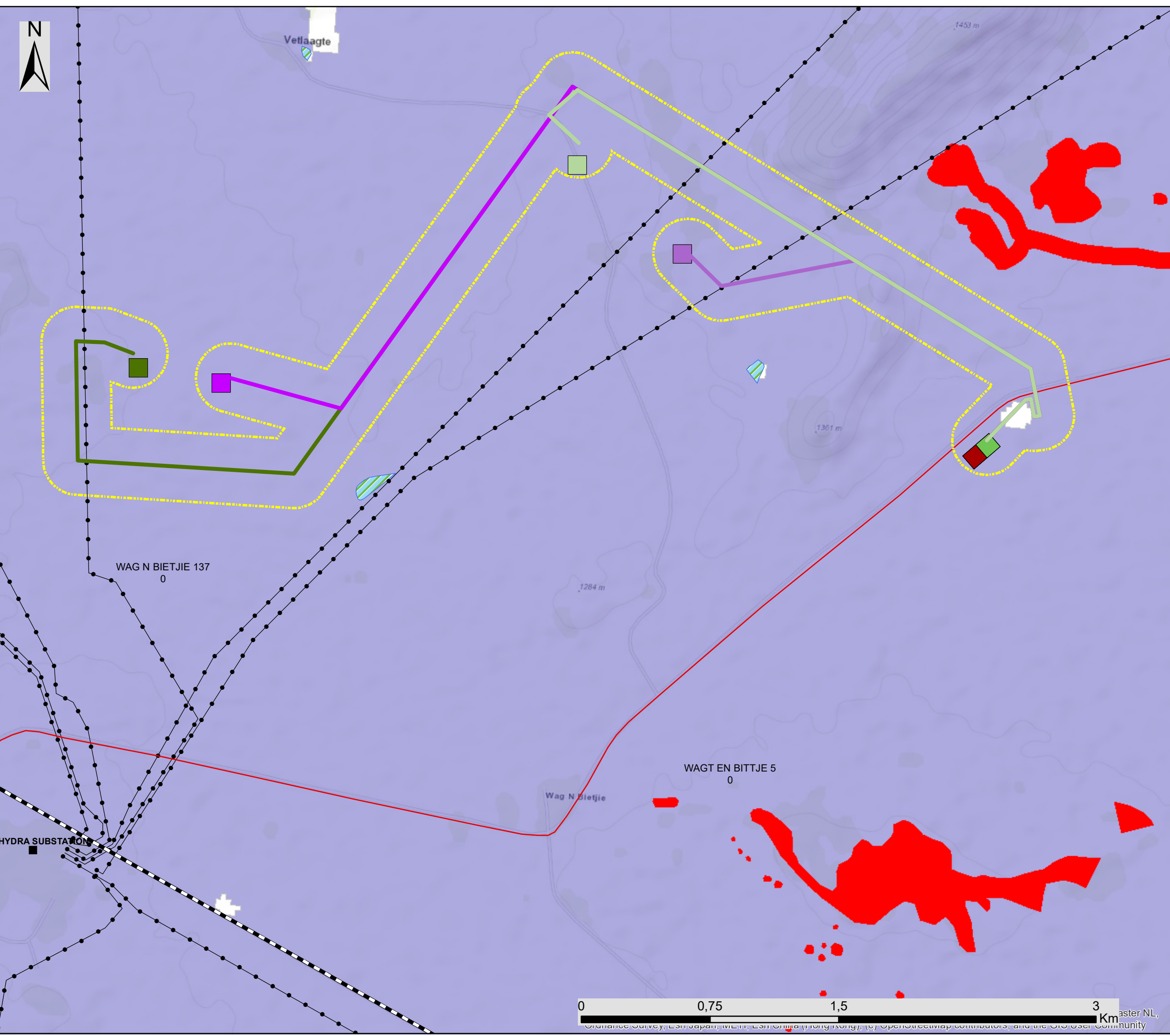
Projection: GCS\_WGS\_1984

Map Ref: Riet Fountain Preferred Layout Map

savannah  
environmental







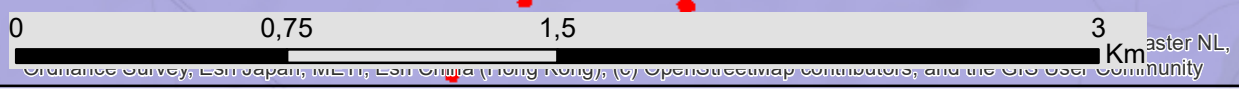
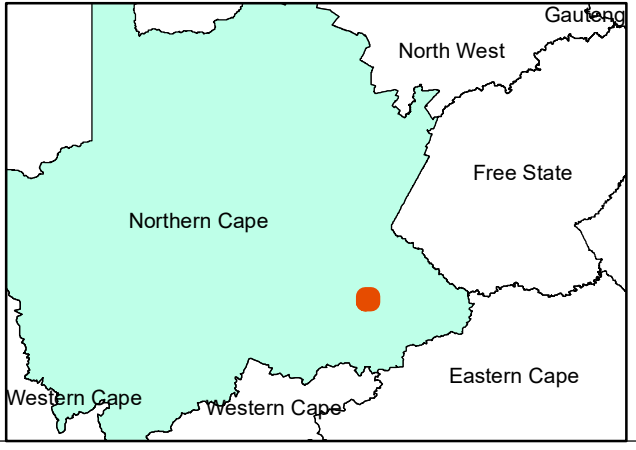
# Riet Fountain Grid Connection Infrastructure, De Aar, Northern Cape Province

## Habitat Sensitivity Map

### Legend

- Eskom Substation
  - Existing Power
  - Main Road
  - ⊢ Railway Line
- ### Environmental Sensitivities
- ▨ NFEPA\_Wetlands
  - Non-Developable Areas (High Sensitive Areas)
  - Ecological Support Area
- ### Grid Connection Infrastructure
- 132 kV Grid Connection (Preferred)
  - 132 kV Grid Connection (Alternative 1)
  - 132 kV Grid Connection (Alternative 2)
  - 132 kV Grid Connection (Alternative 3)
  - ⋯ 200m buffer
  - Eskom Switching Station
  - IPP Substation
- ### MTS Connection Point (Separate EA Application)
- Wag 'n Bietjie MTS (Alternative 1)
  - Vetlaagte MTS (Alternative 2)
  - Vetlaagte MTS (Alternative 3)
  - Wag 'n Bietjie MTS (Preferred)

Scale: 1:70 000  
 Projection: GCS\_WGS\_1984  
 Map Ref: Riet Fountain Habitat Sens Map



HYDRA SUBSTATION

WAG N BIETJIE 137  
0

WAGT EN BITTJE 5  
0

Wag N Bietjie

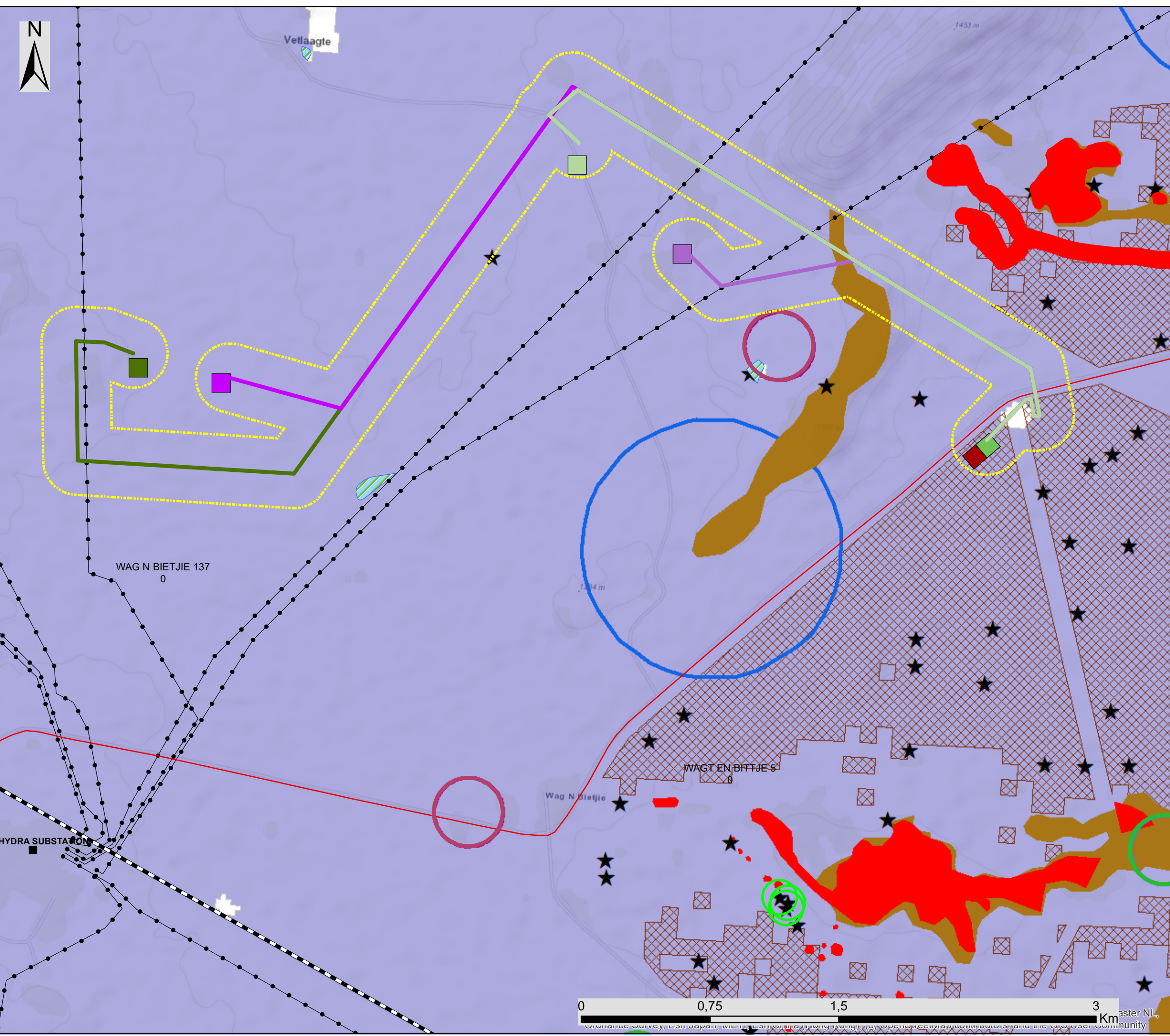
Vetlaagte

1453 m

1361 m

1284 m

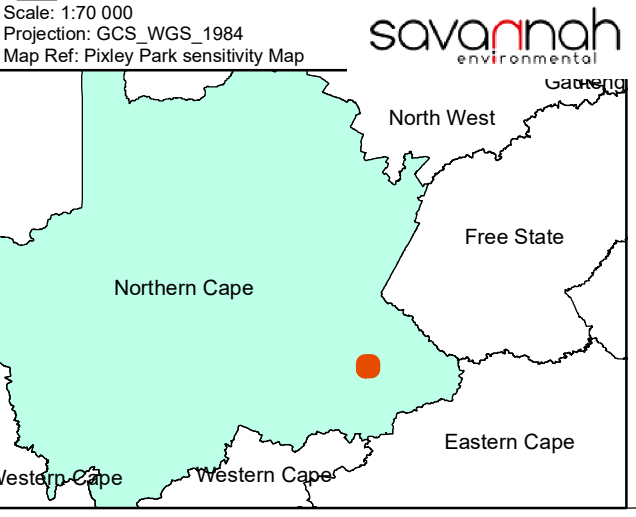




# Riet Fountain EGI, De Aar, Northern Cape Province

## Combined Sensitivity Map Legend

- Existing Power Line
- National Road
- Main Road
- Railway Line
- Perennial River
- Non-perennial River
- Environmental Sensitivities**
- ▭ Heritage 100 m buffer
- ▨ NFEPA\_Wetlands
- ★ Heritage Points
- Dam Buffer
- Wetland Buffer
- Non-Developable Areas (High Sensitive Areas)
- ▭ JB Nest Buffer\_750m
- ▨ Soil Sensitivity (Medium Sensitivity)
- Dolerite Outcrops (High Sensitivity)
- ▨ Riverine Buffer
- Ecological Support Area
- Grid Connection Infrastructure**
- 132 kV Grid Connection (Preferred)
- 132 kV Grid Connection (Alternative 1)
- 132 kV Grid Connection (Alternative 2)
- 132 kV Grid Connection (Alternative 3)
- ▭ 200m buffer
- Eskom Switching Station
- IPP Substation
- MTS Connection Point (Separate EA Application)**
- ▭ Wag 'n Bietjie MTS (Alternative 1)
- ▭ Vetlaagte MTS (Alternative 2)
- ▭ Vetlaagte MTS (Alternative 3)
- ▭ Wag 'n Bietjie MTS (Preferred)



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