

Start:
32° 38.152'S
20° 57.799'E

End:
32° 38.282'S
20° 57.854'E

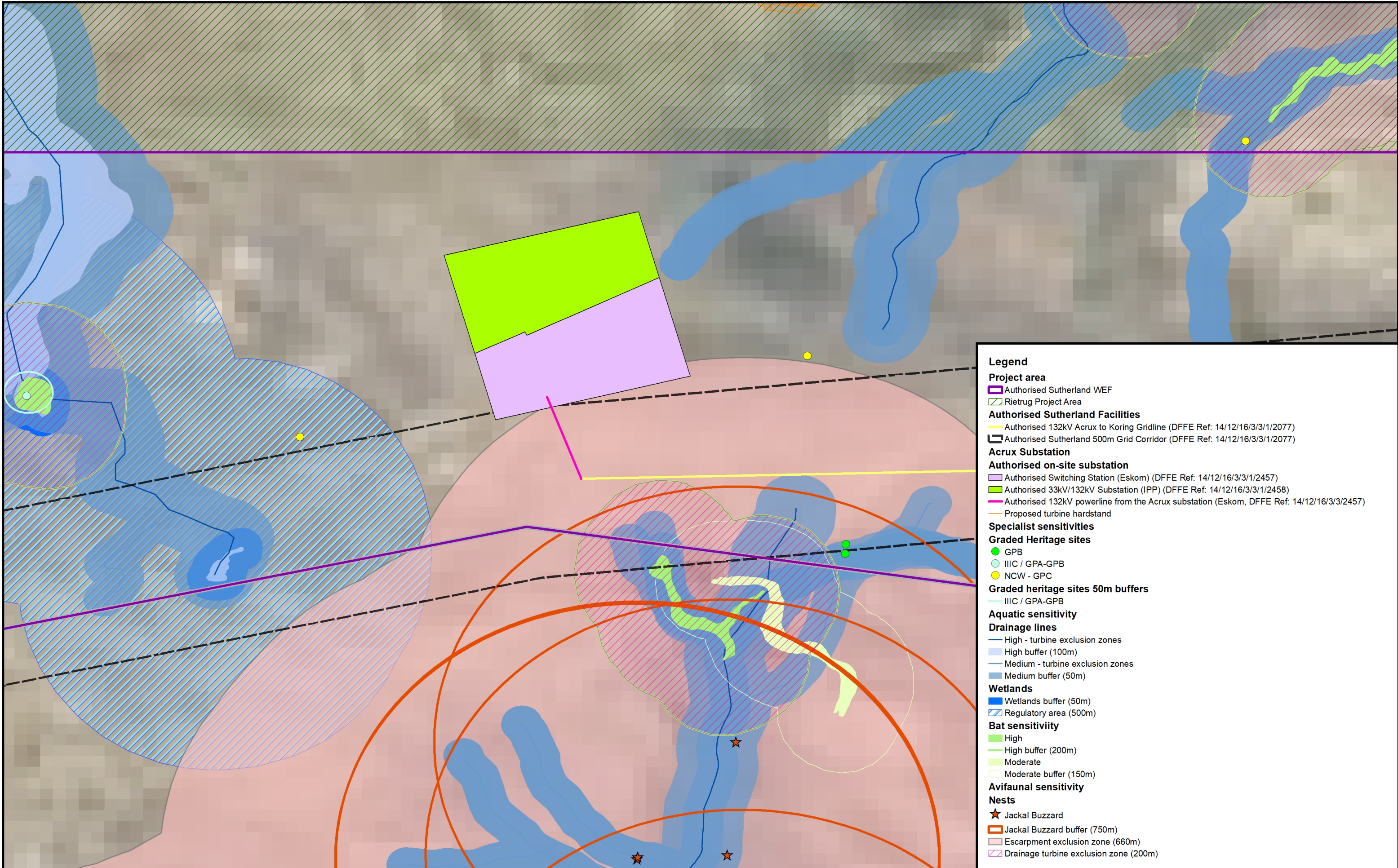
32° 37.968'S
20° 57.806'E

32° 38.080'S
20° 57.859'E

Legend

- Rivers (NBA 2018)
- Project area**
 - Sutherland project area
 - Authorised Rietrug WEF
- Authorised Sutherland Facilities**
 - Authorised 132kV Acrux to Koring Gridline (DFFE Ref: 14/12/16/3/3/1/2077)
 - Authorised Sutherland 500m Grid Corridor (DFFE Ref: 14/12/16/3/3/1/2077)
- Acrux Substation**
- Authorised on-site substation**
 - Authorised Switching Station (Eskom) (DFFE Ref: 14/12/16/3/3/1/2457)
 - Authorised 33kV/132kV Substation (IPP) (DFFE Ref: 14/12/16/3/3/1/2458)
 - Authorised 132kV powerline from the Acrux substation (Eskom, DFFE Ref: 14/12/16/3/3/1/2457)
- Proposed Sutherland WEF Facilities (DFFE REF: 12/12/20/1782/2)**
 - Proposed internal access roads and underground cabling
 - Proposed turbine hardstands
 - Proposed turbine locations
 - WEF buildable areas

	<p>Prepared for: Nala Environmental Consulting Firm</p>	<p>Prepared by: Ecofluence Consulting</p>	<p>FINAL LAYOUT MAP Eskom and IPP section</p> <p>Proposed Sutherland and Rietrug Wind Energy Facilities, Grid and associated infrastructure.</p>	<table border="1"> <tr> <td>Province</td> <td>Northern Cape</td> <td>Western Cape</td> </tr> <tr> <td>District Municipality</td> <td>Namakwa</td> <td>Central Karoo</td> </tr> <tr> <td>Local Municipality</td> <td>Karoo Hoogland</td> <td>Laingsburg</td> </tr> </table>	Province	Northern Cape	Western Cape	District Municipality	Namakwa	Central Karoo	Local Municipality	Karoo Hoogland	Laingsburg	<p>Coordinate System: GCS WGS 1984 Datum: WGS 1984 Units: Degree Scale: 1:10 000 Date: December 2022</p>	
	Province	Northern Cape	Western Cape												
District Municipality	Namakwa	Central Karoo													
Local Municipality	Karoo Hoogland	Laingsburg													



Legend

Project area

- Authorized Sutherland WEF
- Rietrug Project Area

Authorized Sutherland Facilities

- Authorized 132kV Acrux to Koring Gridline (DFFE Ref: 14/12/16/3/3/1/2077)
- Authorized Sutherland 500m Grid Corridor (DFFE Ref: 14/12/16/3/3/1/2077)

Acrux Substation

Authorized on-site substation

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- Proposed turbine hardstand

Specialist sensitivities

Graded Heritage sites

- GPB
- IIIC / GPA-GPB
- NCW - GPC

Graded heritage sites 50m buffers

- IIIC / GPA-GPB

Aquatic sensitivity

Drainage lines

- High - turbine exclusion zones
- High buffer (100m)
- Medium - turbine exclusion zones
- Medium buffer (50m)

Wetlands

- Wetlands buffer (50m)
- Regulatory area (500m)

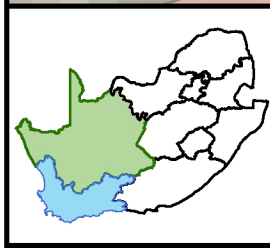
Bat sensitivity

- High
- High buffer (200m)
- Moderate
- Moderate buffer (150m)


Avifaunal sensitivity

Nests

- Jackal Buzzard
- Jackal Buzzard buffer (750m)
- Escarpment exclusion zone (660m)
- Drainage turbine exclusion zone (200m)



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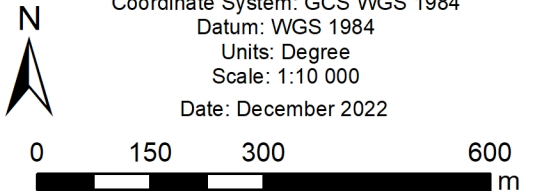
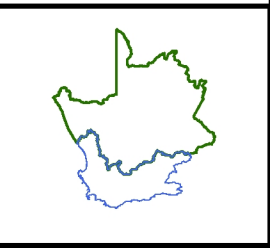


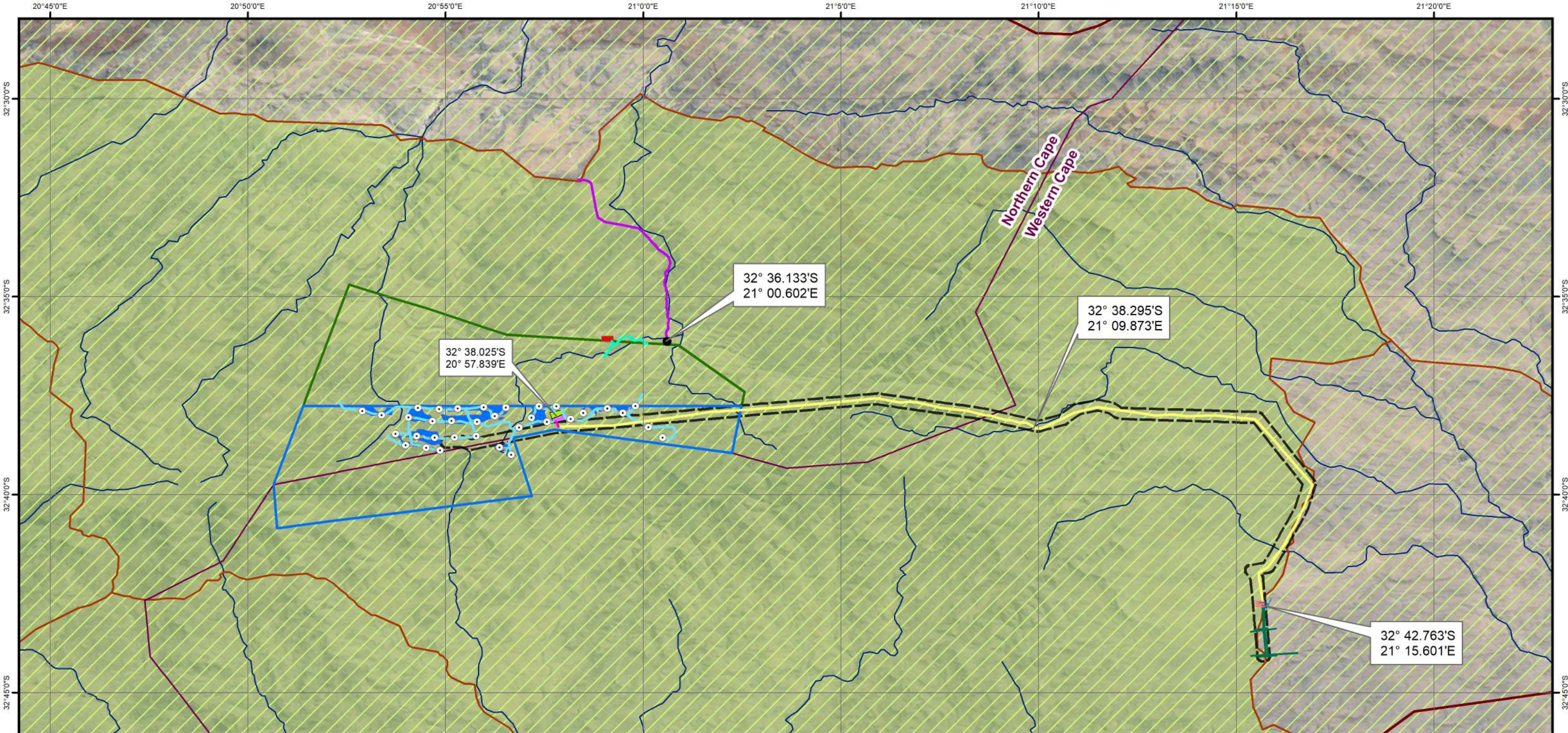
**FINAL LAYOUT MAP OVERLAIN
ON SPECIALIST SENSITIVITIES:
Eskom and IPP section**

**Proposed Sutherland and Rietrug
Wind Energy Facilities, Grid and
associated infrastructure.**

Province	Northern Cape	Western Cape
District Municipality	Namakwa	Central Karoo
Local Municipality	Karoo Hoogland	Laingsburg

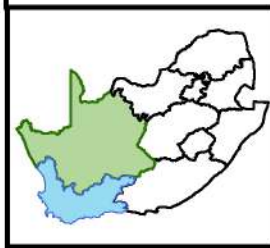
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Datum: WGS 1984
Units: Degree
Scale: 1:10 000
Date: December 2022



Legend

- Roads
- Rivers (NBA 2018)
- Provincial boundaries
- Project area**
 - Sutherland project area
 - Authorised Rietrug WEF
- REDZs**
 - Komsberg Wind
- Strategic Transmission corridor**
 - Central corridor
- Authorised Sutherland Facilities**
 - Authorised 132kV Acrux to Koring Gridline (DFFE Ref: 14/12/16/3/3/1/2077)
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- Proposed Sutherland "WEF" Facilities (DFFE Ref: 12/12/20/1782/2)**
 - WEF access road
 - Proposed internal access roads and underground cabling
 - Proposed turbine hardstands
 - Proposed turbine locations
 - WEF buildable areas
- Batching Plant**
 - Batching site
 - Batching site access road
 - Batching plant access point
- Koring MTS**
 - Proposed 400kV MTS site
 - Proposed road



Prepared for:
Nala Environmental Consulting Firm

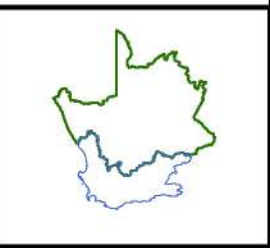
Prepared by:
Ecofluence Consulting

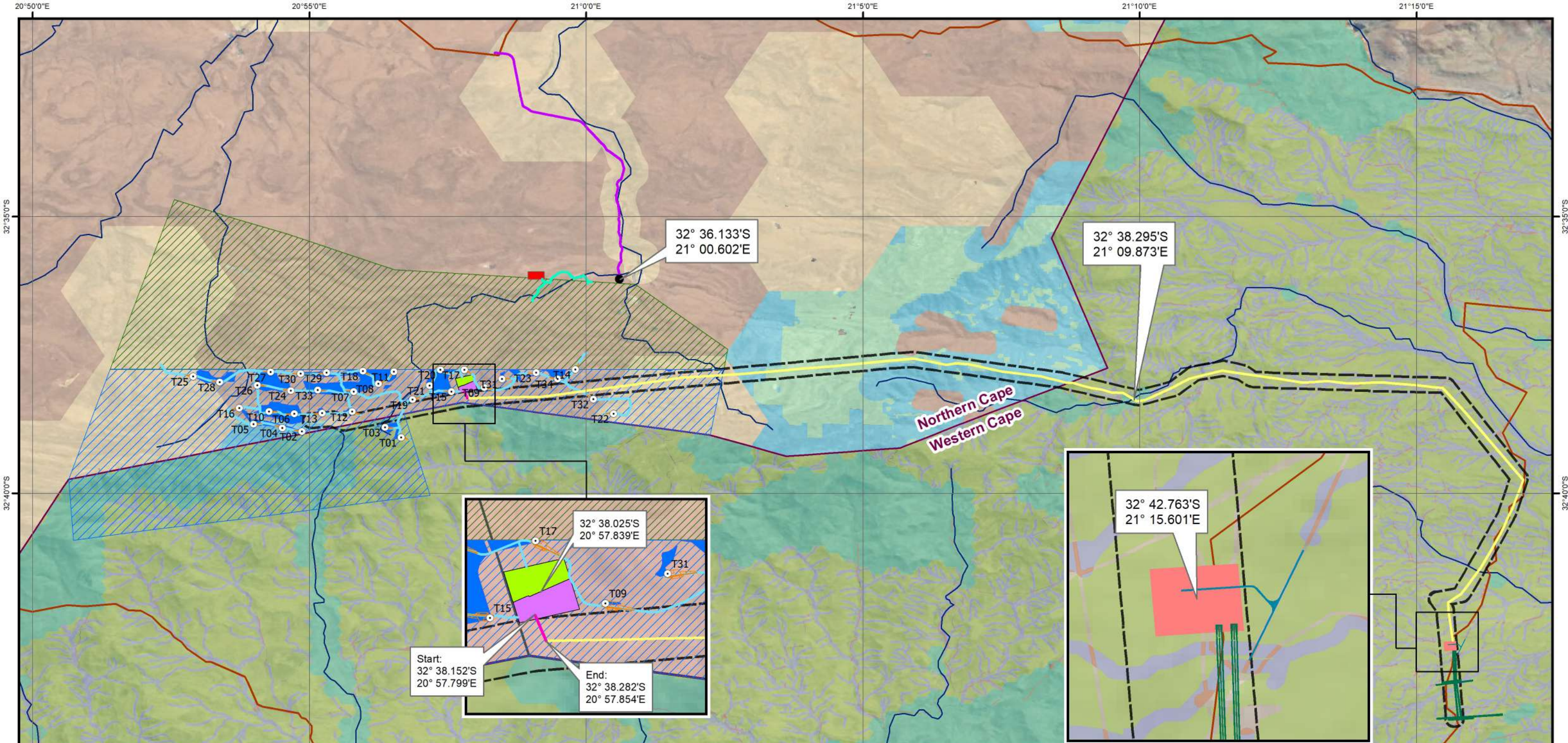
FINAL LAYOUT MAP OVERLAIN ON THE REDZ AND STRATEGIC TRANSMISSION CORRIDOR MAP

Proposed Sutherland Wind Energy Facilities, Grid and associated infrastructure.

Province	Northern Cape	Western Cape
District Municipality	Namakwa	Central Karoo
Local Municipality	Karoo Hoogland	Laingsburg

Coordinate System: GCS WGS 1984
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Scale: 1:175 000
Date: December 2022





- Legend**
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- Batching site
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 - Proposed road

- Northern Cape CBA Categories (2017)**
- CBA 1
 - CBA 2
 - ESA
 - ONA
- Western Cape CBA Categories Laingsburg BSP (2017)**
- CBA 1
 - ESA
 - ESA 2
 - ONA

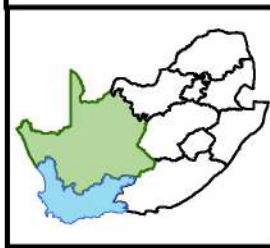
Start:
32° 38.152'S
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End:
32° 38.282'S
20° 57.854'E

32° 36.133'S
21° 00.602'E

32° 38.295'S
21° 09.873'E

32° 42.763'S
21° 15.601'E



Prepared for:
Nala Environmental Consulting Firm

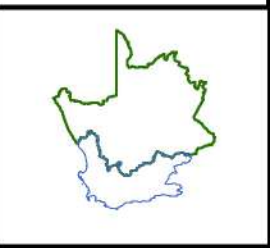
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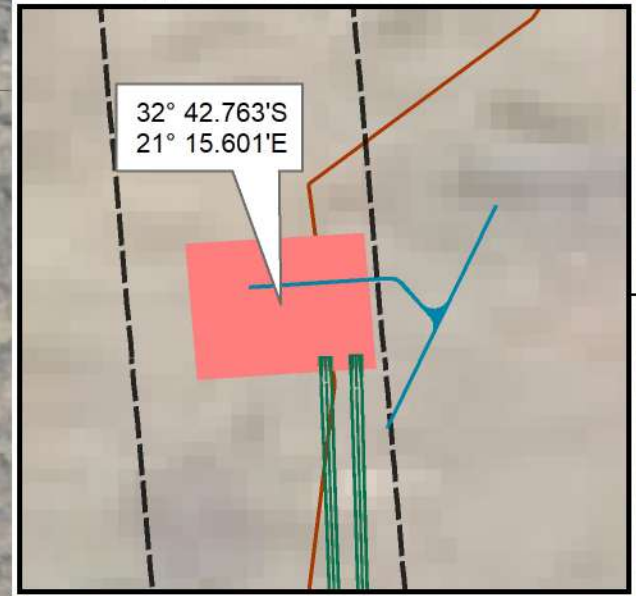
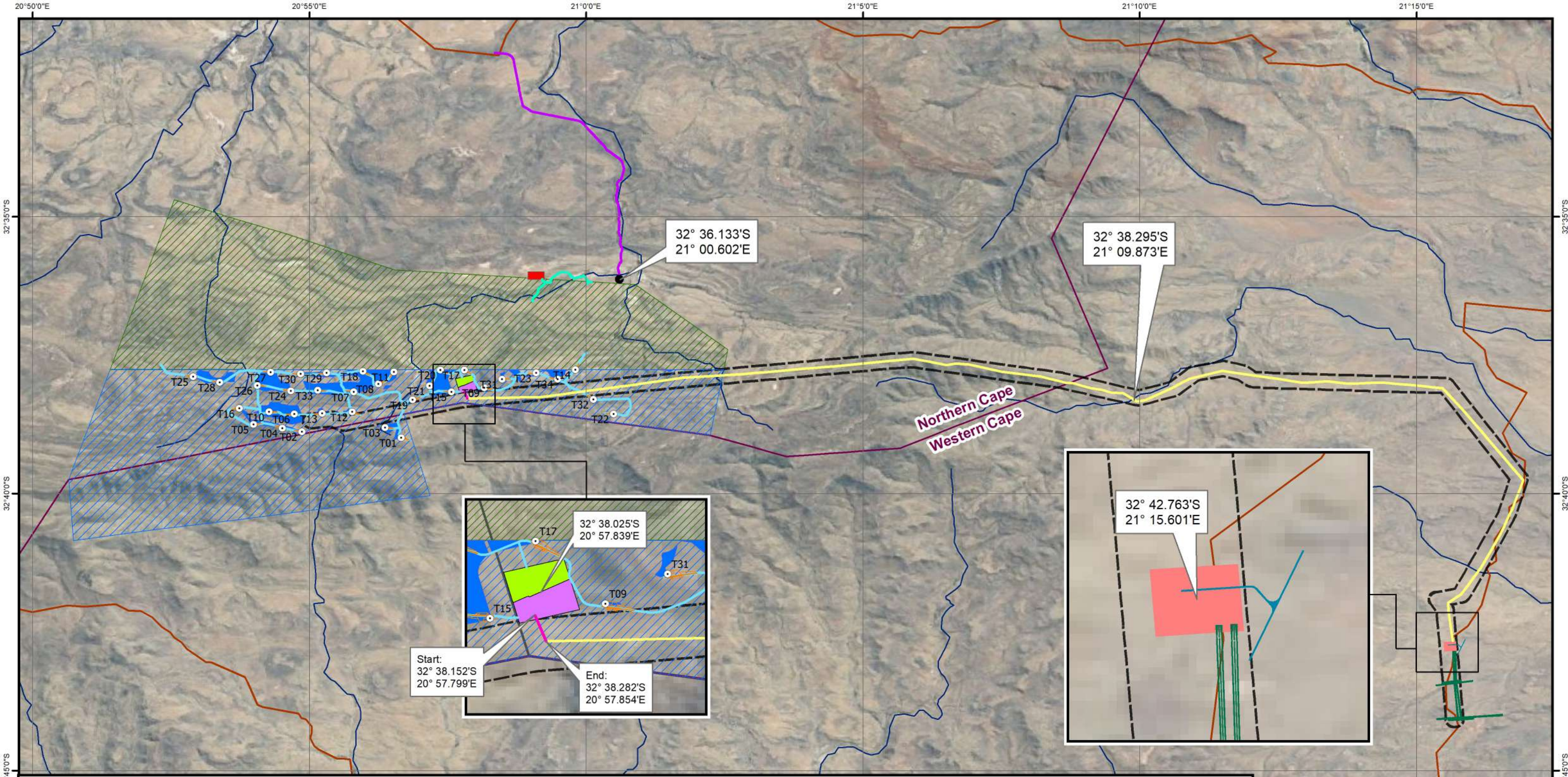
FINAL LAYOUT MAP OVERLAIN ON THE CRITICAL BIODIVERSITY AREAS MAP

Proposed Sutherland Wind Energy Facilities, Grid and associated infrastructure.

Province	Northern Cape	Western Cape
District Municipality	Namakwa	Central Karoo
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Coordinate System: GCS WGS 1984
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Scale: 1:125 000
Date: December 2022





Legend

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Batching Plant

- Batching site
- Batching site access road
- Batching plant access point

Koring MTS

- Proposed 400kV MTS site
- Proposed road



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FINAL LAYOUT MAP
Proposed Sutherland Wind Energy Facilities, Grid and associated infrastructure.

Province	Northern Cape	Western Cape
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