





**PROPOSED CONSTRUCTION
OF THE POFADDER
WIND ENERGY FACILITY 1
WITHIN
KAI! GARIB LOCAL MUNICIPALITY,
NORTHERN CAPE PROVINCE**

**PROPOSED
SENSITIVITY LAYOUT**



Legend

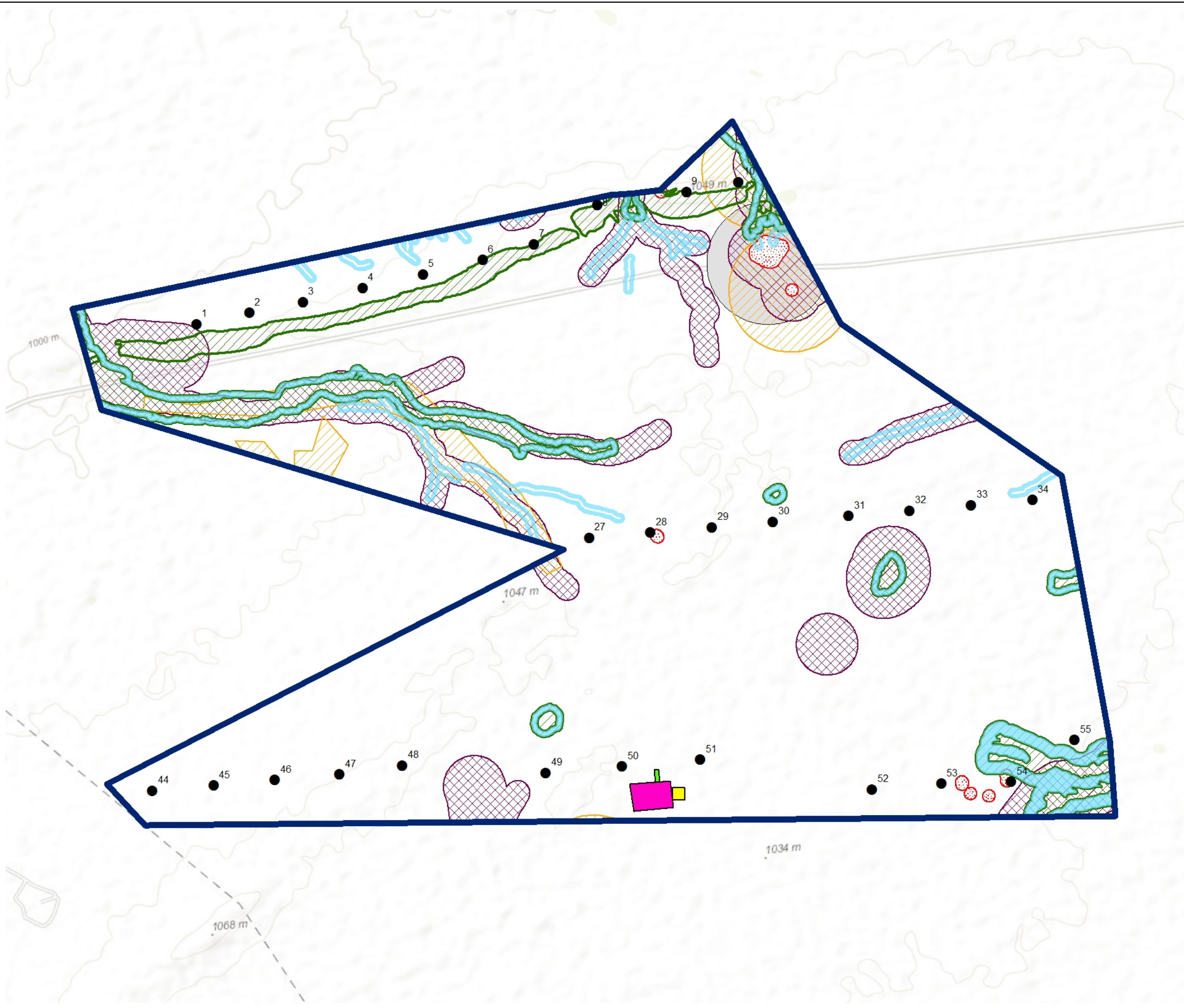
 Pofadder WEF 1 Application Site

Proposed WEF Components

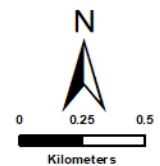
-  Turbine Positions
-  Facility Substation
-  Auxiliary Buildings and Batching Plants
-  Temporary Laydown & Warehouse Area (upto 7ha)

Environmental Sensitivities

-  Surface Water Features (inclusive of buffers)
-  Ecological Sensitivity
-  Heritage Sensitivity
-  Avifaunal Sensitivity
-  Bat Sensitivity
-  Noise Sensitivity with 500m Buffer



Source:
ESKOM, 2012
NGI, 2014



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Project No 16876	Prepared By SB	Date 11/03/2022
Map Ref No 16876	Revision 0	Date

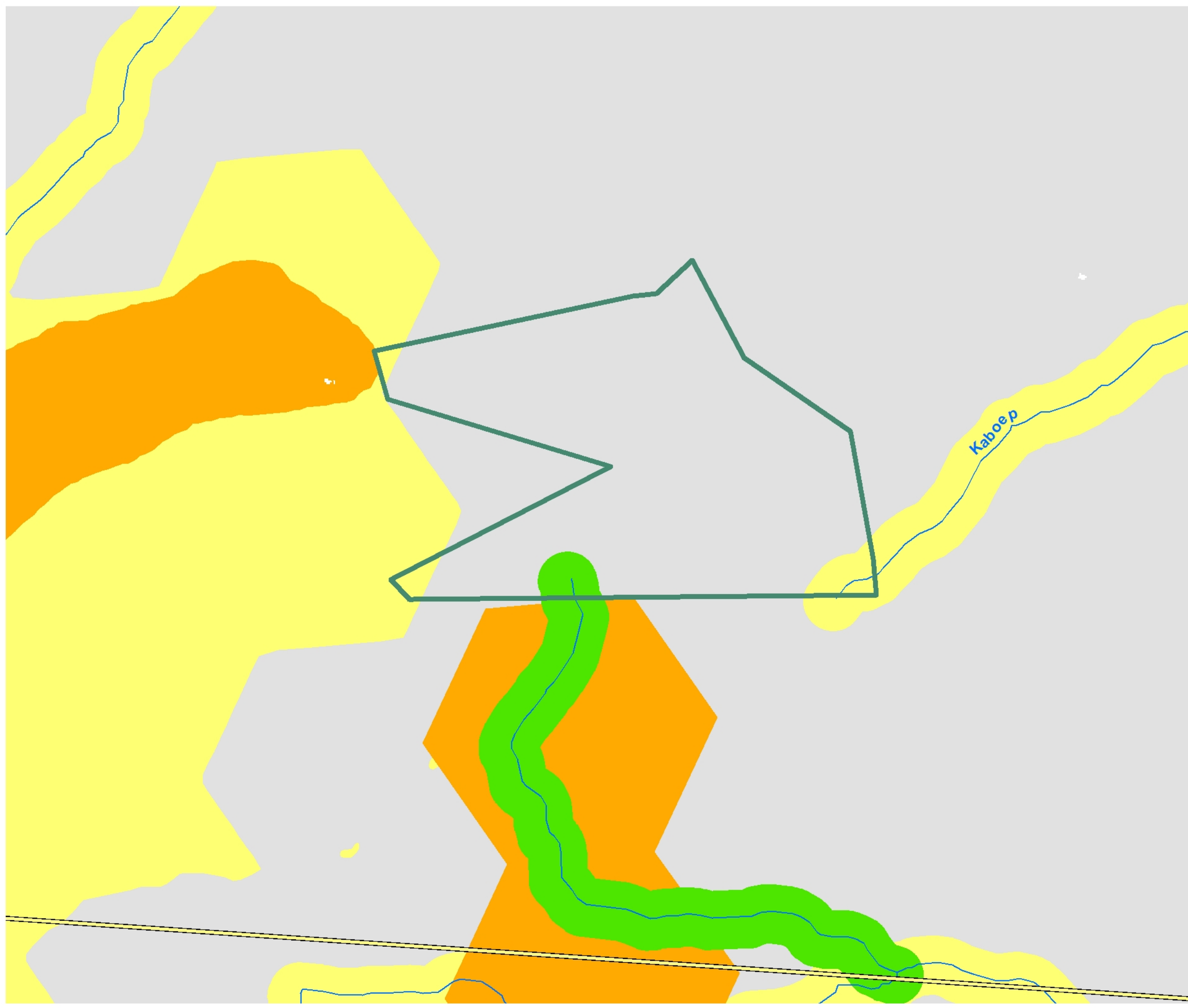
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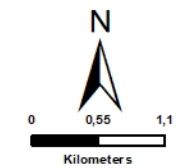
**PROPOSED CONSTRUCTION
OF THE POFFADER
WIND ENERGY FACILITY 1
WITHIN
KAI! GARIB LOCAL MUNICIPALITY,
NORTHERN CAPE PROVINCE
CRITICAL BIODIVERSITY AREAS**

Legend

-  Existing High Voltage Power Line 400kV
 -  Rivers
 -  Poffader WEF 1 Application Site (29° 17.143'S; 19° 41.681'E)
- CBA Classification**
-  CBA 1
 -  CBA 2
 -  ESA
 -  Other Natural Areas



Source:
ESKOM, 2012
NFEPA, 2011
NORTHERN CAPE SPATIAL BIODIVERSITY PLAN, 2017



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Project No 16876	Prepared By SB	Date 23/02/2022
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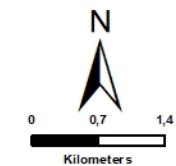
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**PROPOSED CONSTRUCTION
OF THE POFFADER
WIND ENERGY FACILITY 1
WITHIN
KAI! GARIB LOCAL MUNICIPALITY,
NORTHERN CAPE PROVINCE
BROAD LAND COVER
CLASSIFICATION**

Legend

-  Existing High Voltage Power Line 400kV
 -  Rivers
 -  Poffader WEF 1 Application Site (29° 17.143'S; 19° 41.681'E)
- Land Cover Classification**
-  Low Shrubland (Nama Karoo)
 -  Other Bare

SOURCE:
ESKOM, 2012
NFEPA, 2011
2018 SA NATIONAL LAND COVER
(© GEOTERRAIMAGE - 2018)

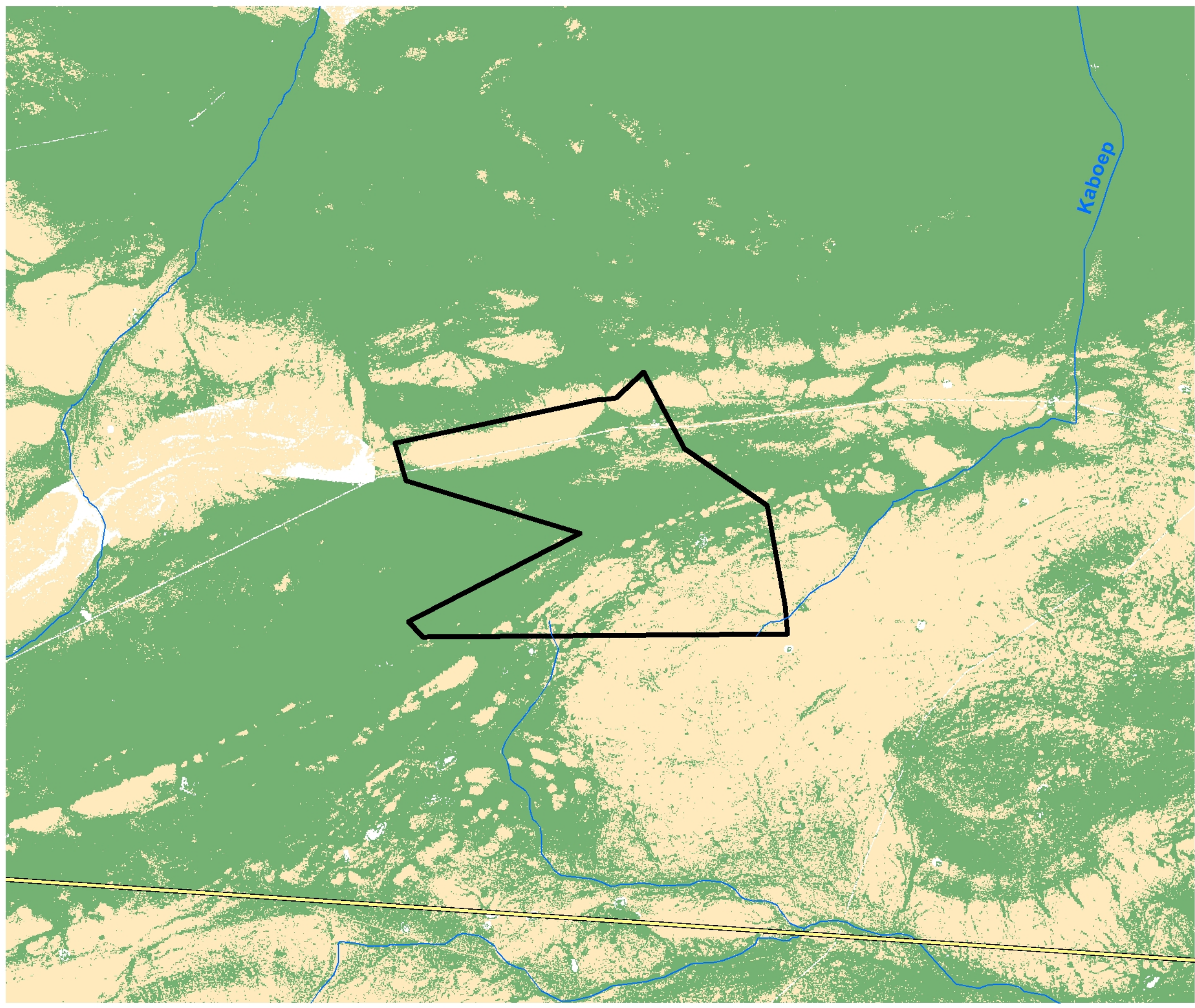


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Map Ref No 16876	Revision 0	Date


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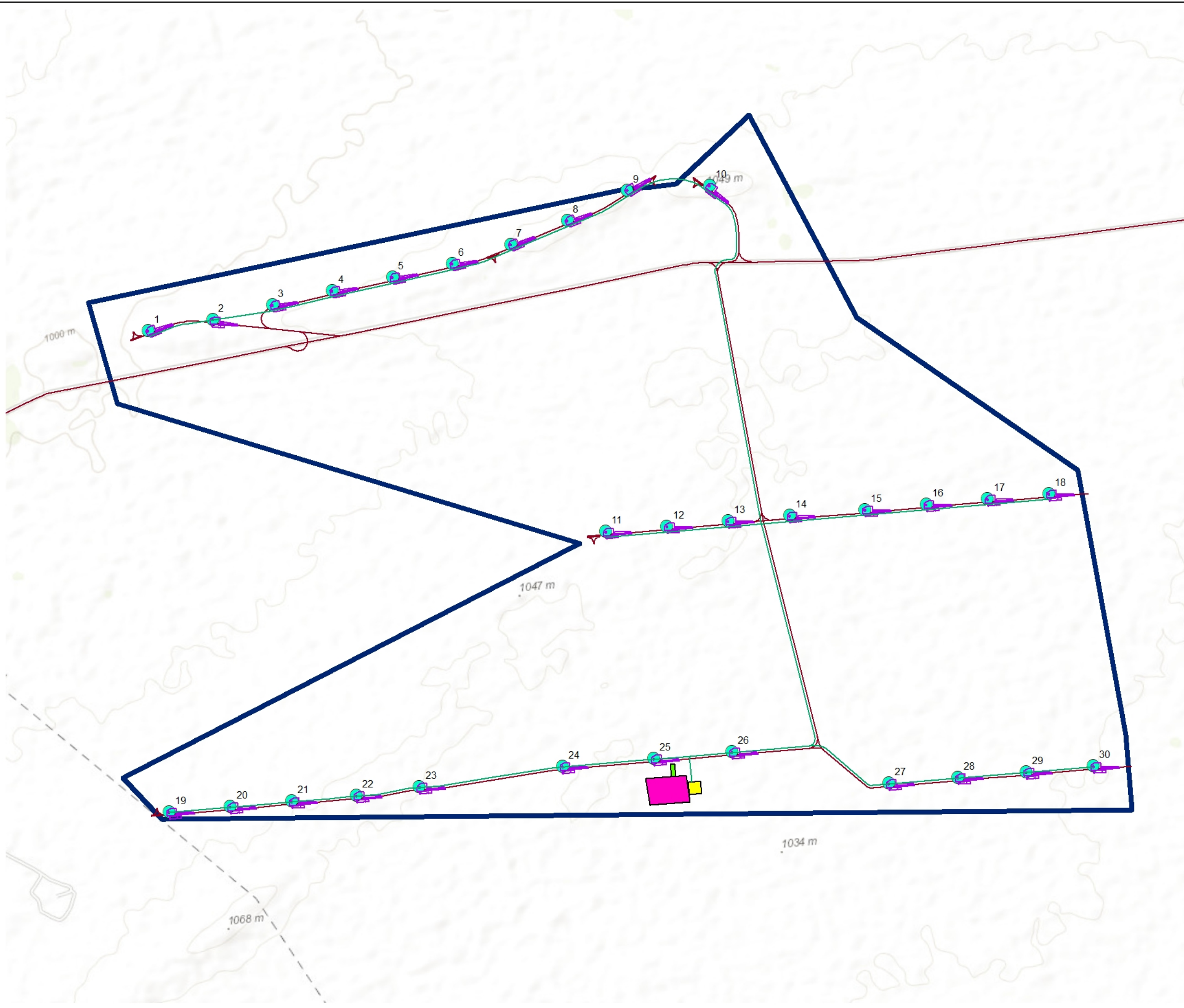
**PROPOSED CONSTRUCTION
OF THE POFFADER
WIND ENERGY FACILITY 1
WITHIN
KAI! GARIB LOCAL MUNICIPALITY,
NORTHERN CAPE PROVINCE
PRELIMINARY LAYOUT**

Legend

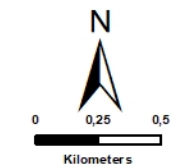
 Poffader WEF 1 Application Site (29° 17.143'S; 19° 41.681'E)

Proposed WEF Components

-  Turbine Positions
-  Facility Substation
-  Auxiliary Buildings and Batching Plants
-  Temporary Laydown & Warehouse Area (upto 7ha)
-  Internal Road Network
-  Platforms
-  MV Cabelling



Source:
ESKOM, 2012
NGI, 2014



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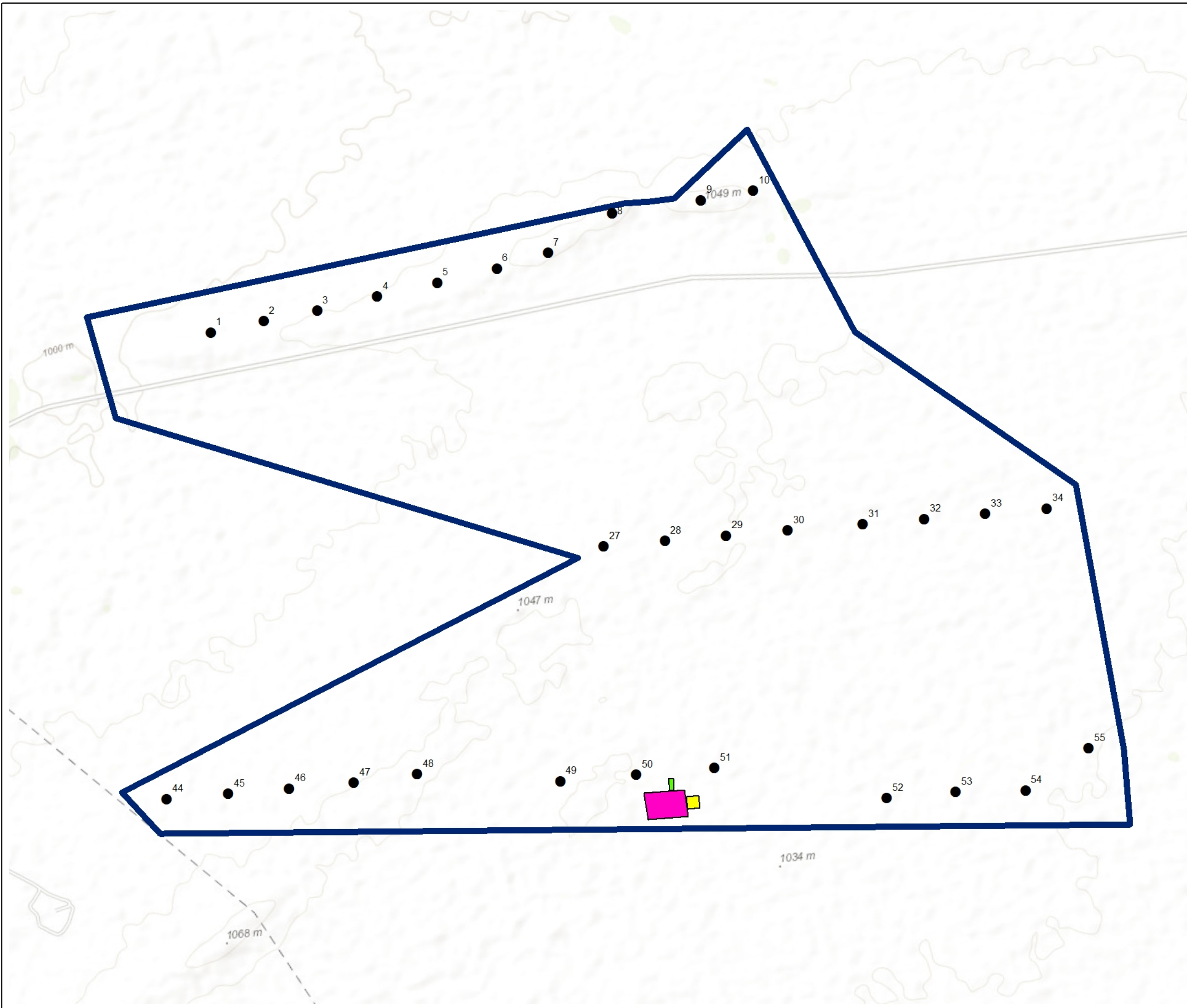
**PROPOSED CONSTRUCTION
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WIND ENERGY FACILITY 1
WITHIN
KAI! GARIB LOCAL MUNICIPALITY,
NORTHERN CAPE PROVINCE
PROPOSED LAYOUT**

Legend

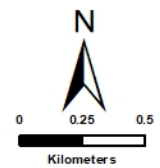
 Pofadder WEF 1 Application Site

Proposed WEF Components

-  Turbine Positions
-  Facility Substation
-  Auxiliary Buildings and Batching Plants
-  Temporary Laydown & Warehouse Area (upto 7ha)



Source:
ESKOM, 2012
NGI, 2014

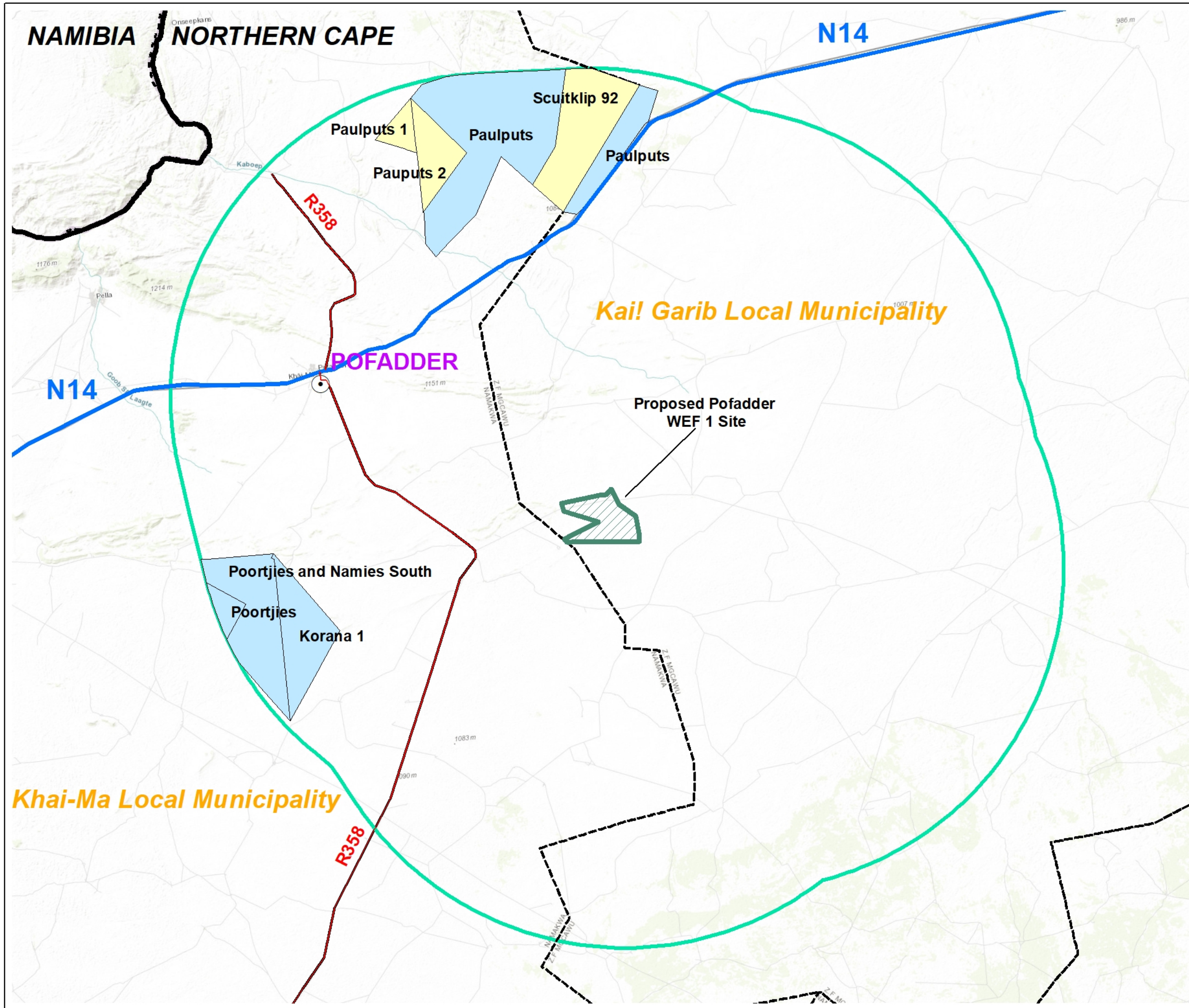


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PROPOSED CONSTRUCTION OF THE POFFADDER WIND ENERGY FACILITY 1 WITHIN KAI! GARIB LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE Renewable Energy Projects (Existing and Proposed)

Legend

- Main Towns
- ▭ Provincial Boundary
- - - Local_Municipal Boundaries
- National Routes
- Main Arterial Routes
- ▨ Poffader WEF 1 Application Site (29° 17.143'S; 19° 41.681'E)
- 35km Radius

Renewable Energy Sites

- ▨ Solar
- ▨ Wind

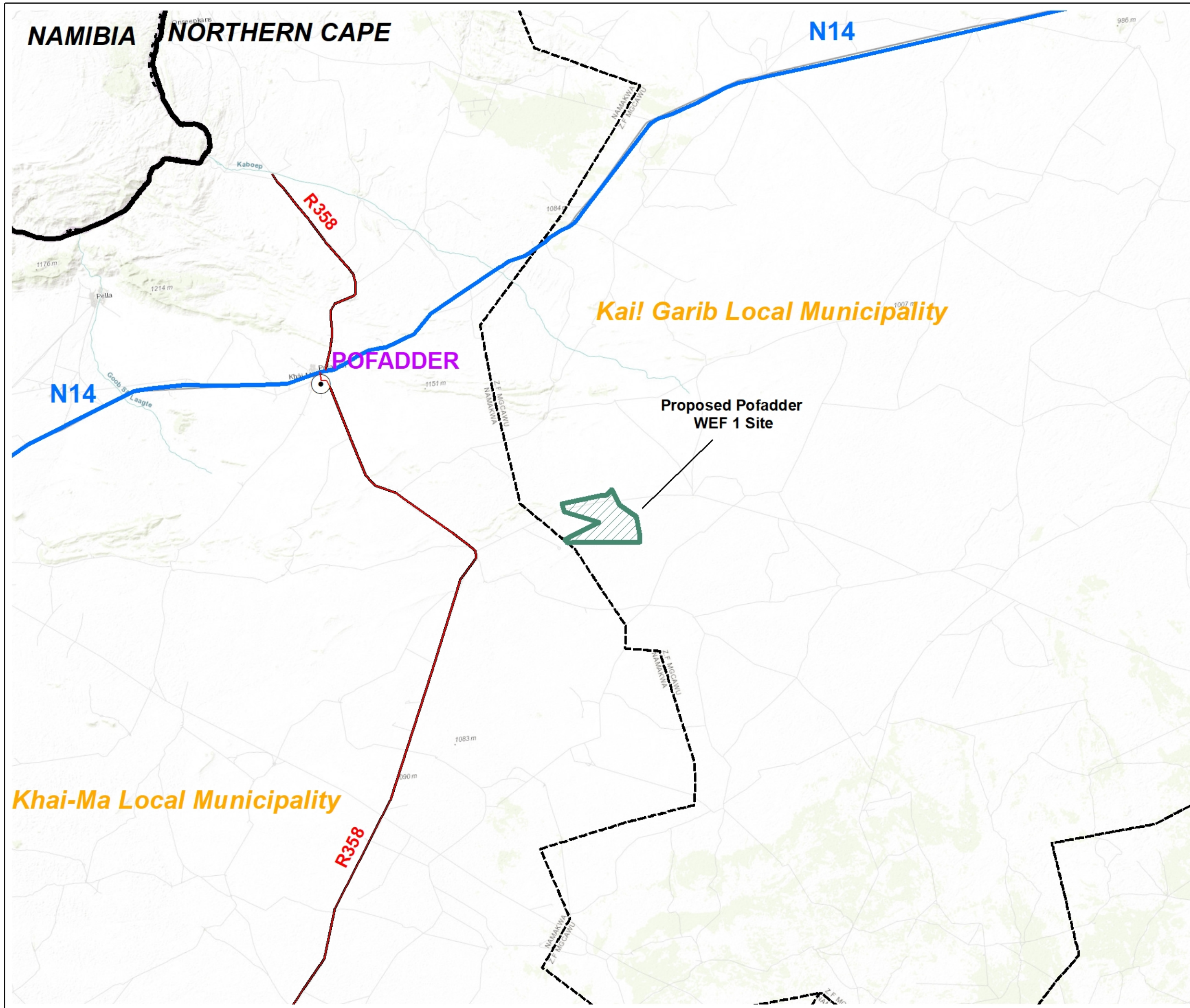
Source:
DEFF, 2020
NGI, 2014
MUNICIPAL DEMARCATION BOARD, 2016

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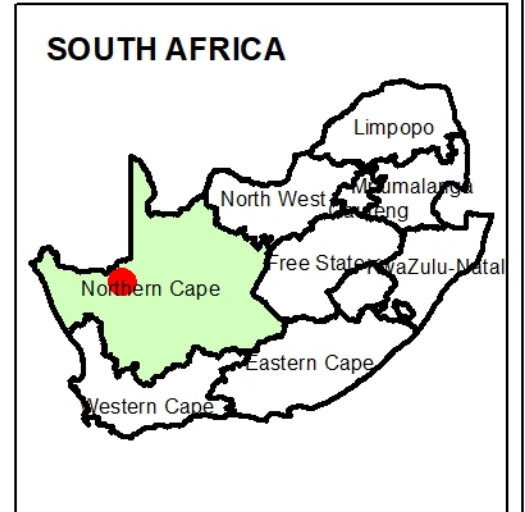
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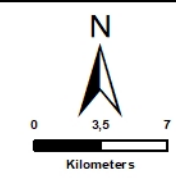
PROPOSED CONSTRUCTION OF THE POFFADDER WIND ENERGY FACILITY 1 WITHIN KAI! GARIB LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE REGIONAL CONTEXT

Legend

- Main Towns
- Provincial Boundary
- Local_Municipal Boundaries
- National Routes
- Main Arterial Routes
- Poffader WEF 1 Application Site (29° 17.143'S; 19° 41.681'E)



Source:
NGI, 2014
MUNICIPAL DEMARCATION BOARD, 2016



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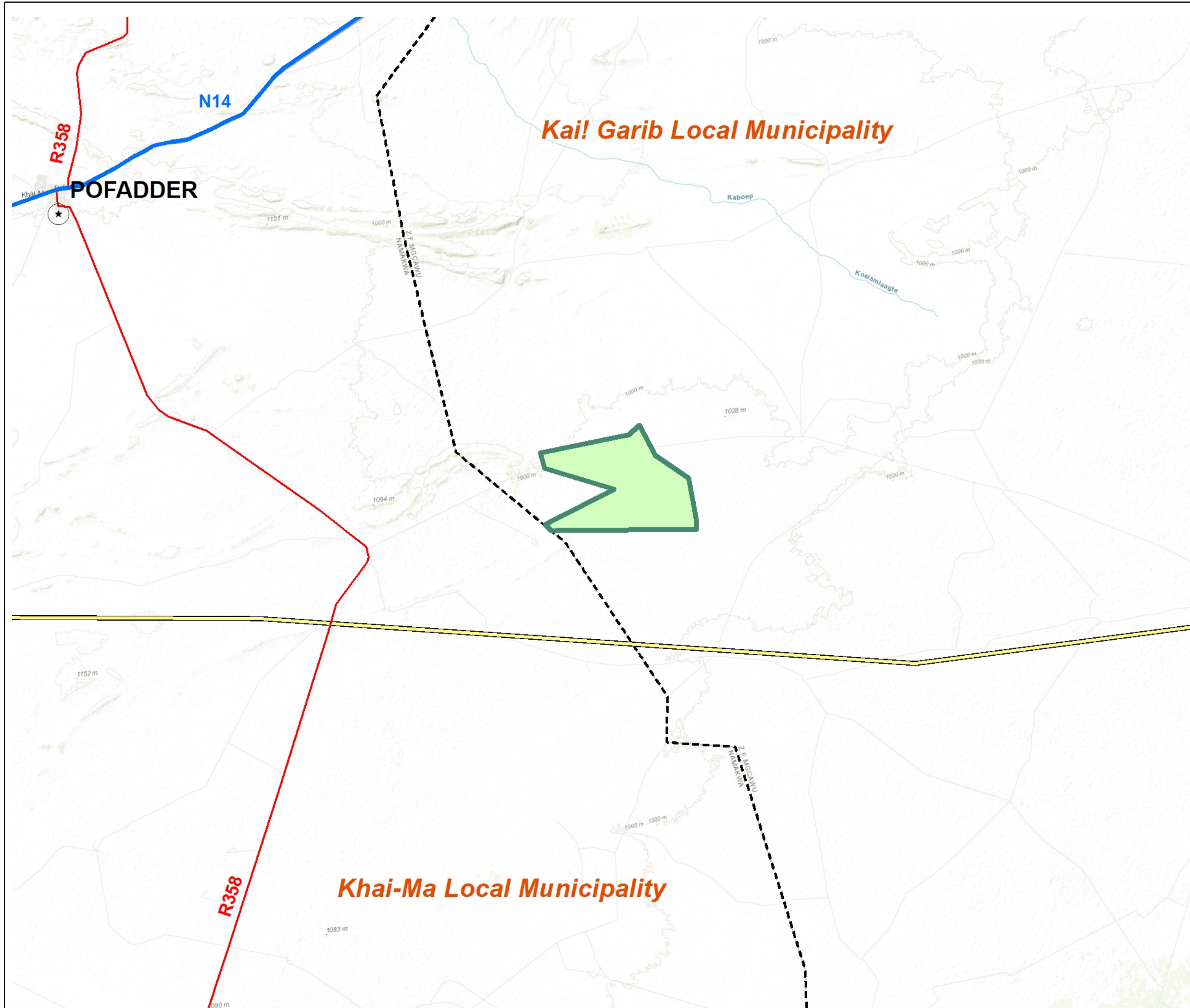
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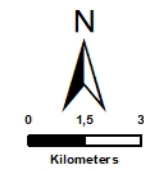
**PROPOSED CONSTRUCTION
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WIND ENERGY FACILITY 1
WITHIN
KAI! GARIB LOCAL MUNICIPALITY,
NORTHERN CAPE PROVINCE
SITE LOCALITY**

Legend

-  Main Towns
-  National Routes
-  Main Arterial Routes
-  Local Municipal Boundaries
-  Existing High Voltage Power Line 400kV
-  Poffader WEF 1 Application Site (29° 17.143'S; 19° 41.681'E)



Source:
ESKOM, 2012
NGI, 2014
MUNICIPAL DEMARCATION BOARD, 2016



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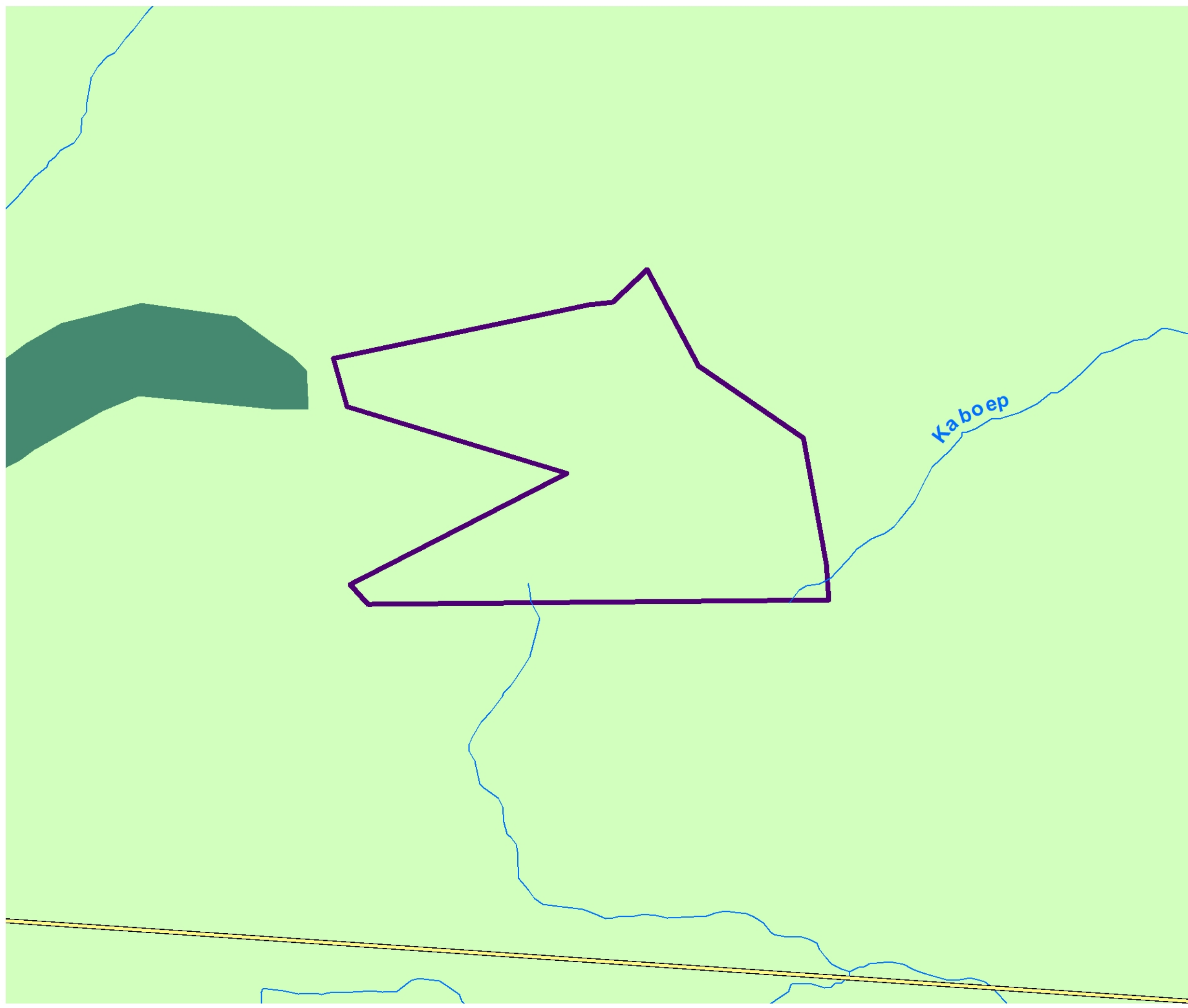
**PROPOSED CONSTRUCTION
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WIND ENERGY FACILITY 1
WITHIN
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NORTHERN CAPE PROVINCE
VEGETATION CLASSIFICATION**

Legend

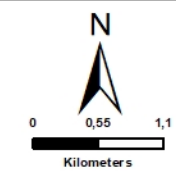
-  Existing High Voltage Power Line 400kV
-  Rivers
-  Poffader WEF 1 Application Site (29° 17.143'S; 19° 41.681'E)

Vegetation Classification

-  Bushmanland Arid Grassland
-  Bushmanland Inselberg Shrubland



Source:
ESKOM, 2012
NFEPA, 2011
SANBI, 2018



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