





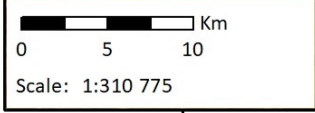
**Vaalhoek Prospecting Right
Application Important Areas**
1304 BMM Prospecting Right Application

- Legend**
-  Vaalhoek Prospecting Application Area
 - Square Kilometre Array radio telescope (SKA) Areas
 -  Karoo Central Astronomy Advantage Area 1
 -  Karoo Central Astronomy Advantage Area 2
 -  Karoo Central Astronomy Advantage Area 3



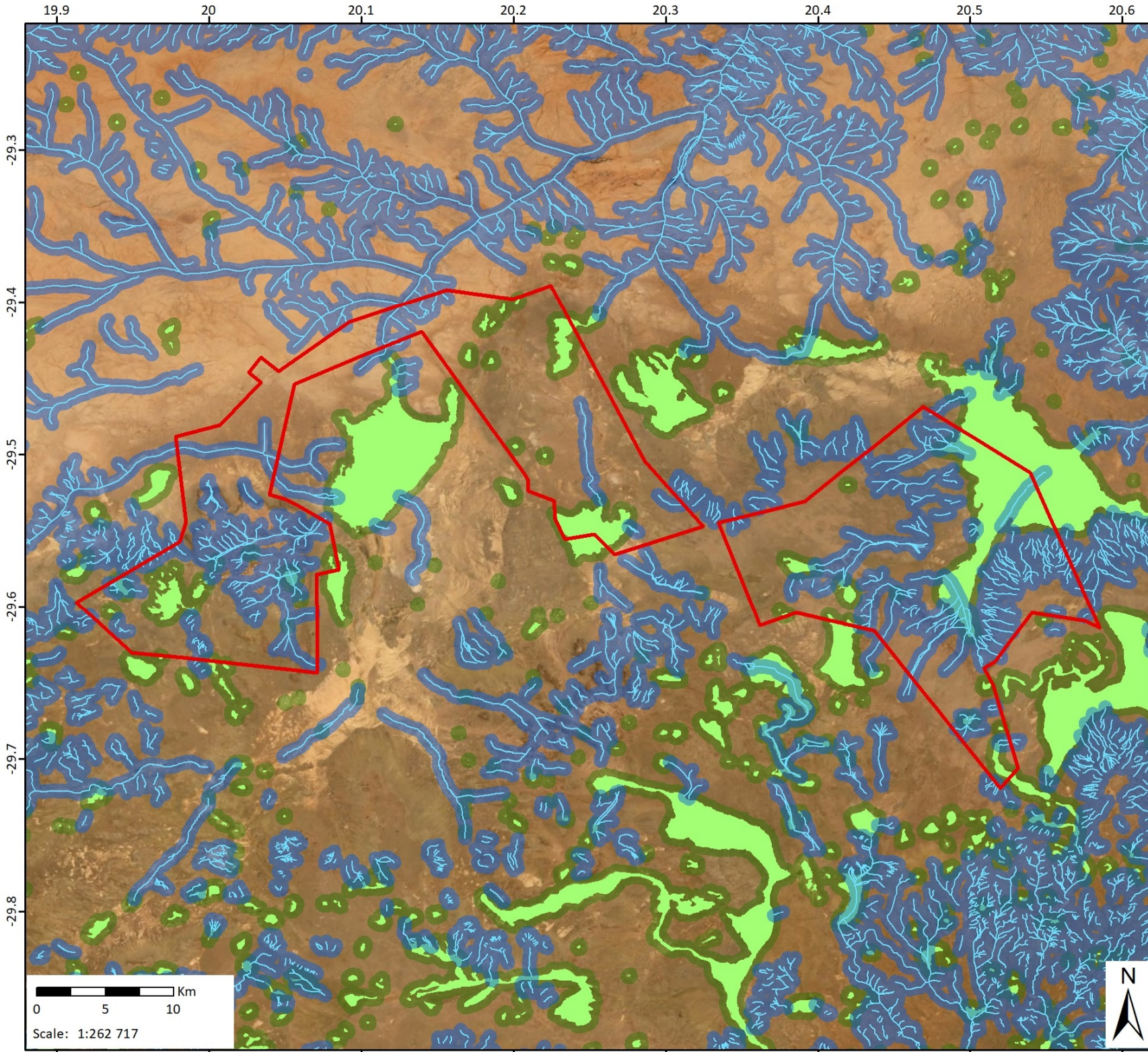
Data Sources:
CSG; ESRI; NFEPA
Coord System: GCS WGS 1984
Datum: WGS 1984

Ref: Vaalhoek Important Areas_190718_PH



Date: 2019/07/18
EIMS Ref: 1304
Compiled: PH
Reviewed: GP
Approved: LW

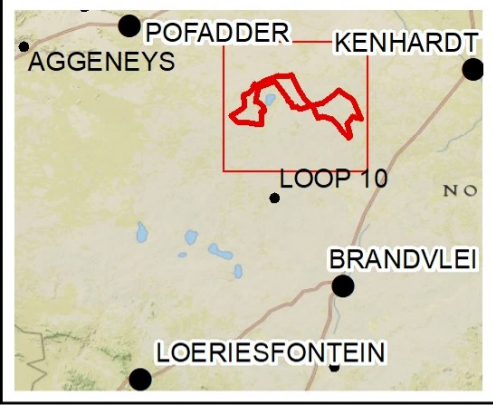




Vaalhoek Prospecting Right Application Surface Water Features

1304 BMM Prospecting Right Application

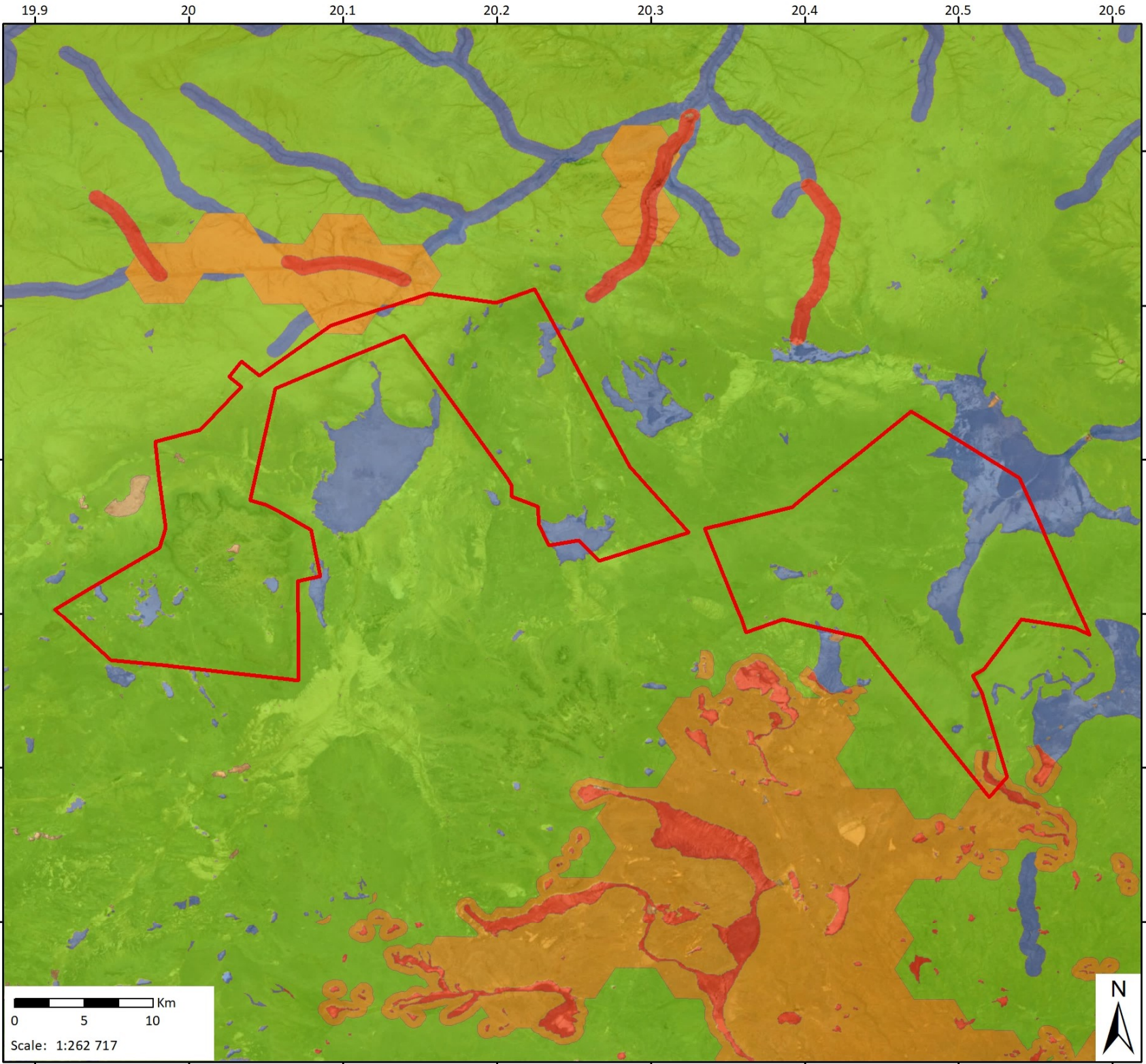
- Legend**
- Vaalhoek Prospecting Application Area
 - Rivers/ Streams
 - NFEPA Wetlands
 - Rivers/ Streams 500m Buffer
 - NFEPA Wetlands 500m Buffer



Data Sources:
 CSG; ESRI; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Ref: Vaalhoek SW Features_190718_PH

Date: 2019/07/18
 EIMS Ref: 1304
 Compiled: PH
 Reviewed: GP
 Approved: LW

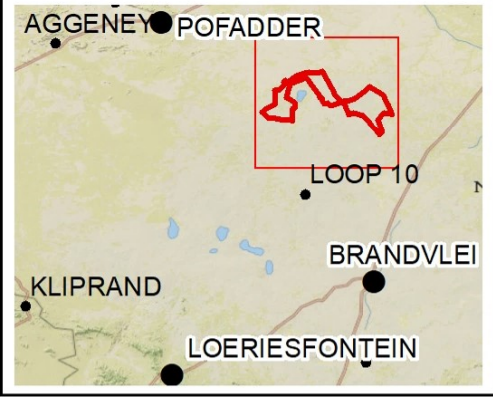




Vaalhoek Prospecting Right Application Northern Cape C-Plan

1304 BMM Prospecting Right Application

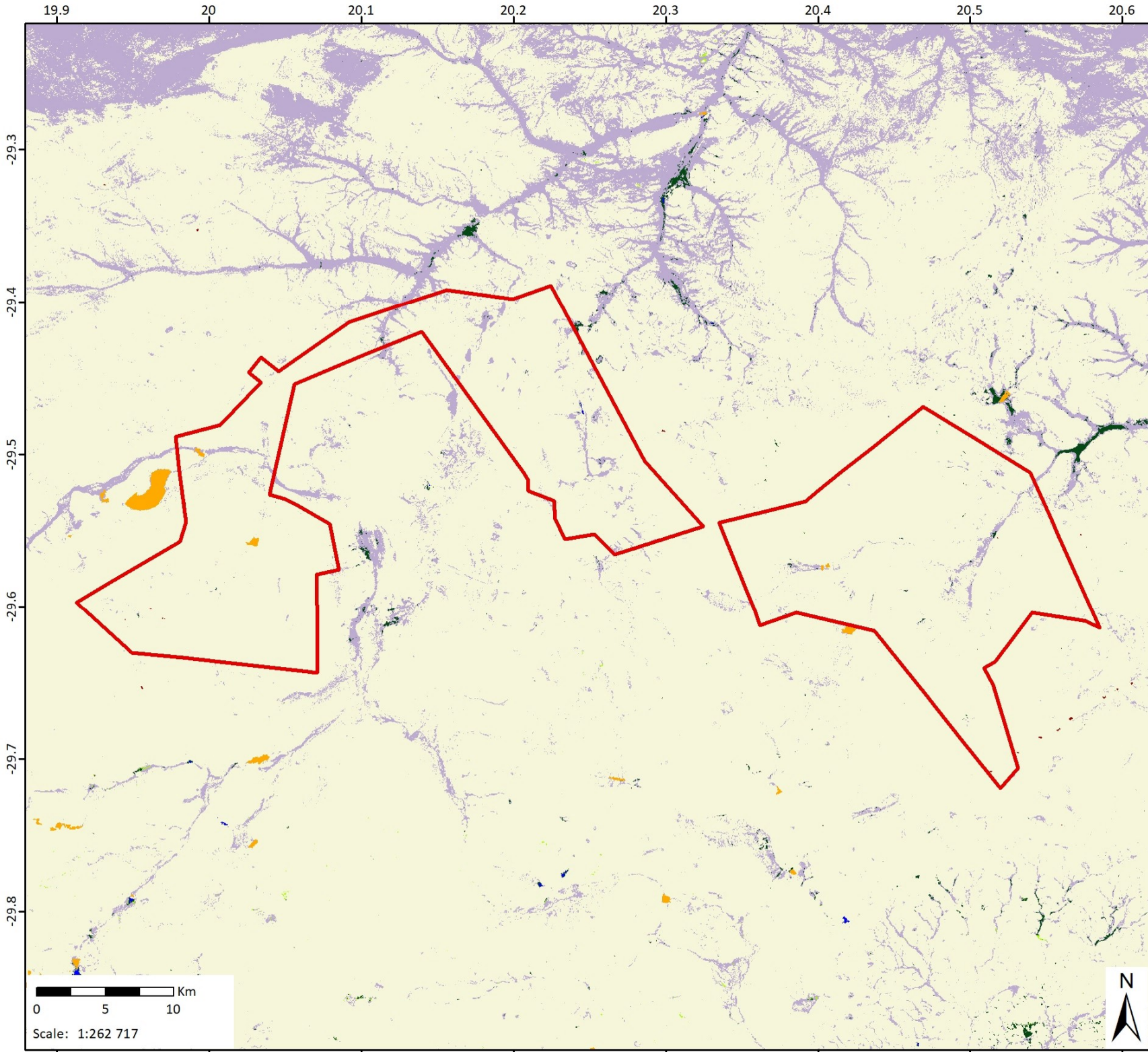
- Legend**
-  Vaalhoek Prospecting Application Area
 - Northern Cape Conservation Plan
 -  Critical Biodiversity Area One
 -  Critical Biodiversity Area Two
 -  Ecological Support Area
 -  Other Natural Areas



Data Sources:
 CSG; ESRI; SANBI
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Ref: Vaalhoek_C-Plan_190718_PH

Date: 2019/07/18
 EIMS Ref: 1304
 Compiled: PH
 Reviewed: GP
 Approved: LW





Vaalhoek Prospecting Right Application Land Cover

1304 BMM Prospecting Right Applications

Legend

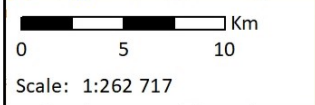
- Vaalhoek Prospecting Application Area

Land Cover

- Bare None Vegetated
- Cultivation
- Grassland
- Forest/Thicket/Bush/Woodland
- Low shrubland
- Mining Infrastructure
- Plantations
- Shrubland fynbos
- Urban Areas
- Surface Water Features

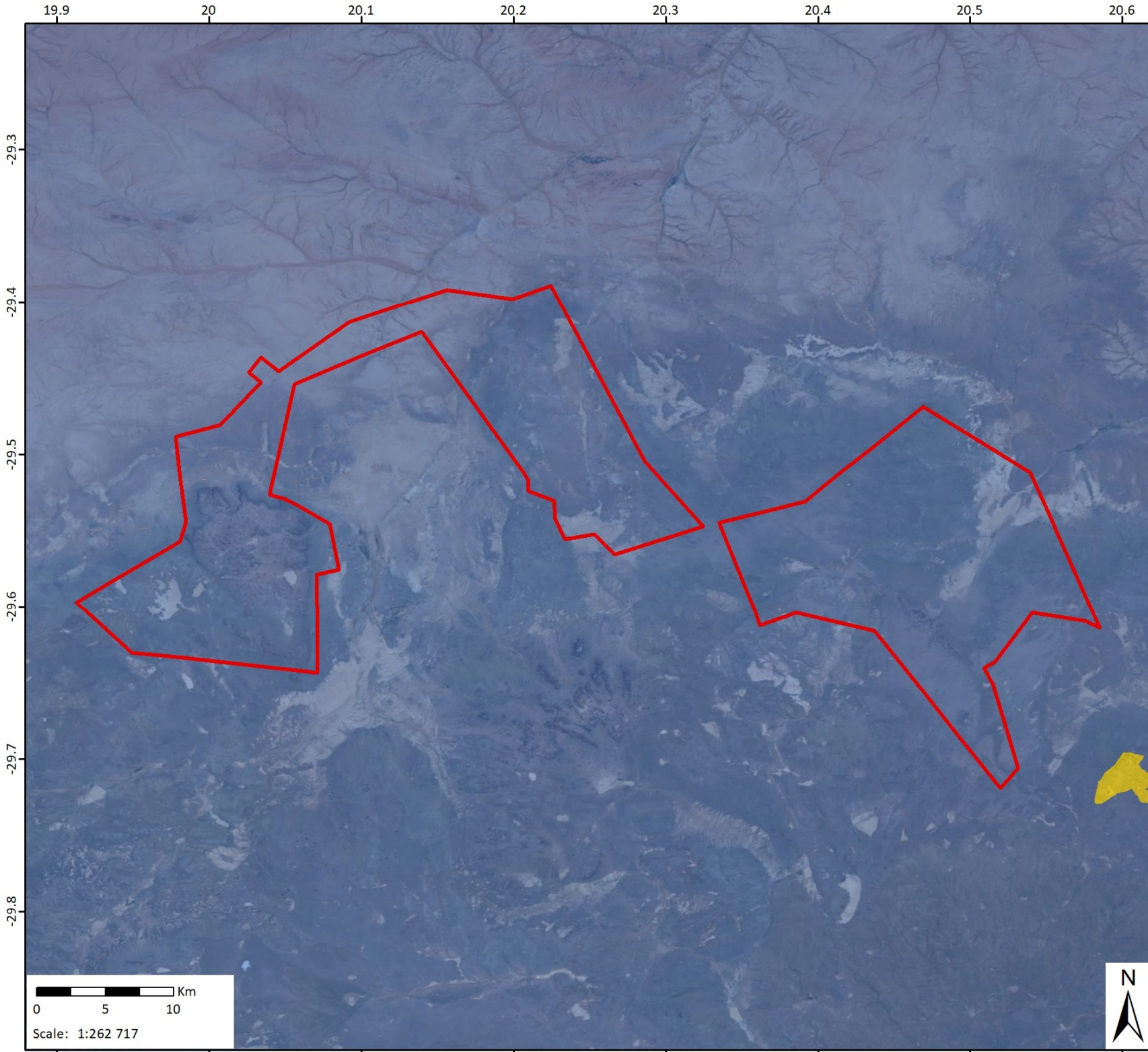
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Ref: Vaalhoek_LandCover_190711_PH



Date: 2019/07/18
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 Compiled: PH
 Reviewed: GP
 Approved: LW

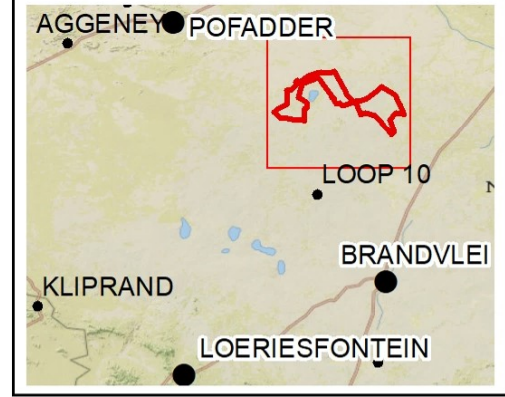




**Vaalhoek Prospecting Right
Application Ecosystem Protection Level**
1304 BMM Prospecting Right Application

Legend

-  Vaalhoek Prospecting Application Area
- Ecosystem Protection Level**
-  Well protected
-  Moderately protected
-  Poorly protected
-  Not protected
-  N/A

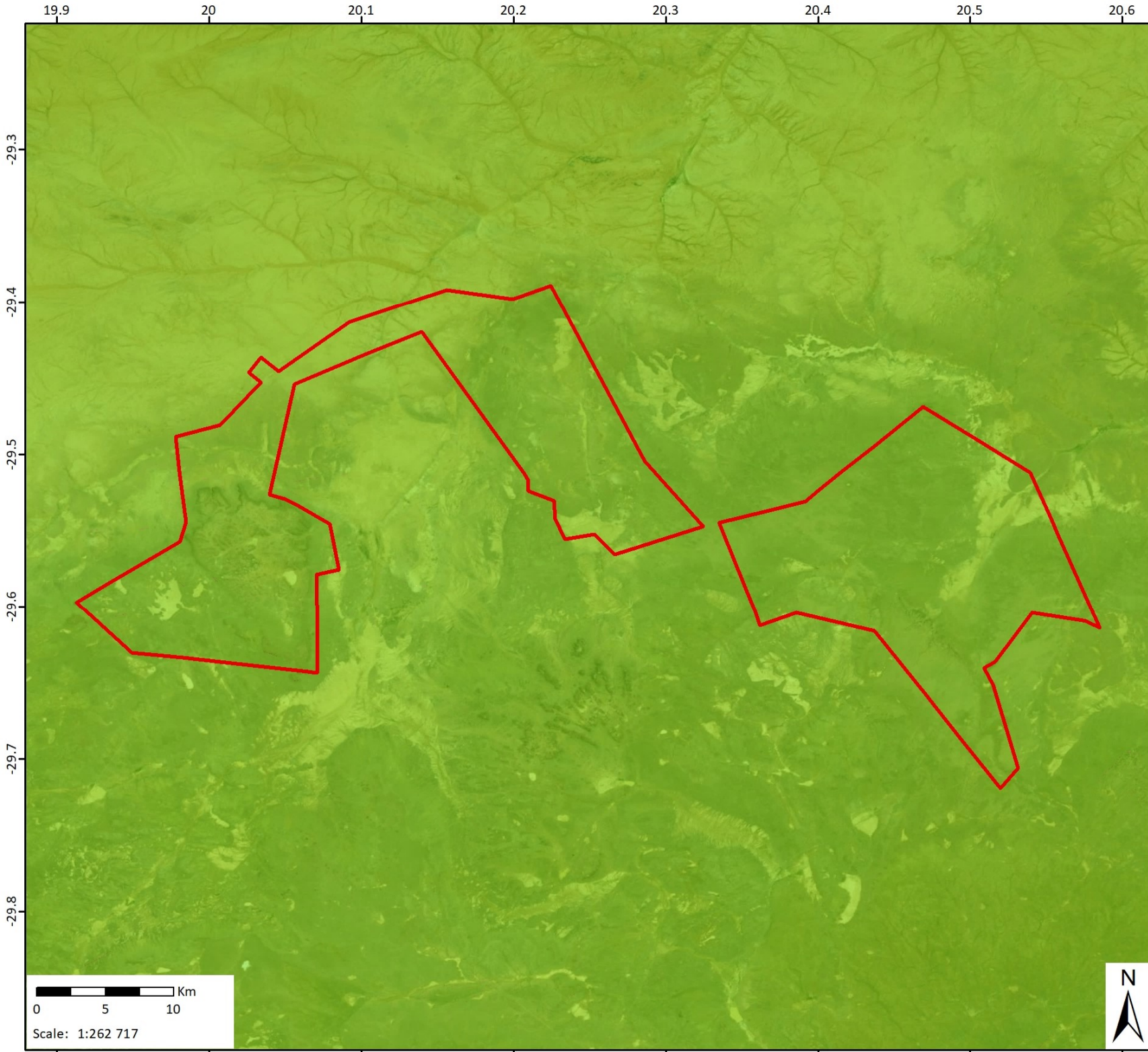


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Coord System: GCS WGS 1984
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Date: 2019/07/18
EIMS Ref: 1304
Compiled: PH
Reviewed: GP
Approved: LW





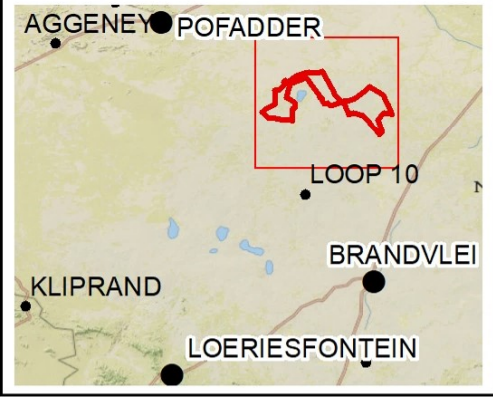


Vaalhoek Prospecting Right Application Ecosystem Threat Status

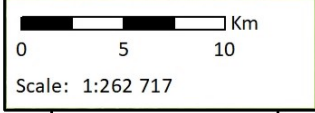
1304 BMM Prospecting Right Application

Legend

-  Vaalhoek Prospecting Application Area
- Ecosystem Threat Status**
-  Critically Endangered
-  Endangered
-  Vulnerable
-  Least Threatened

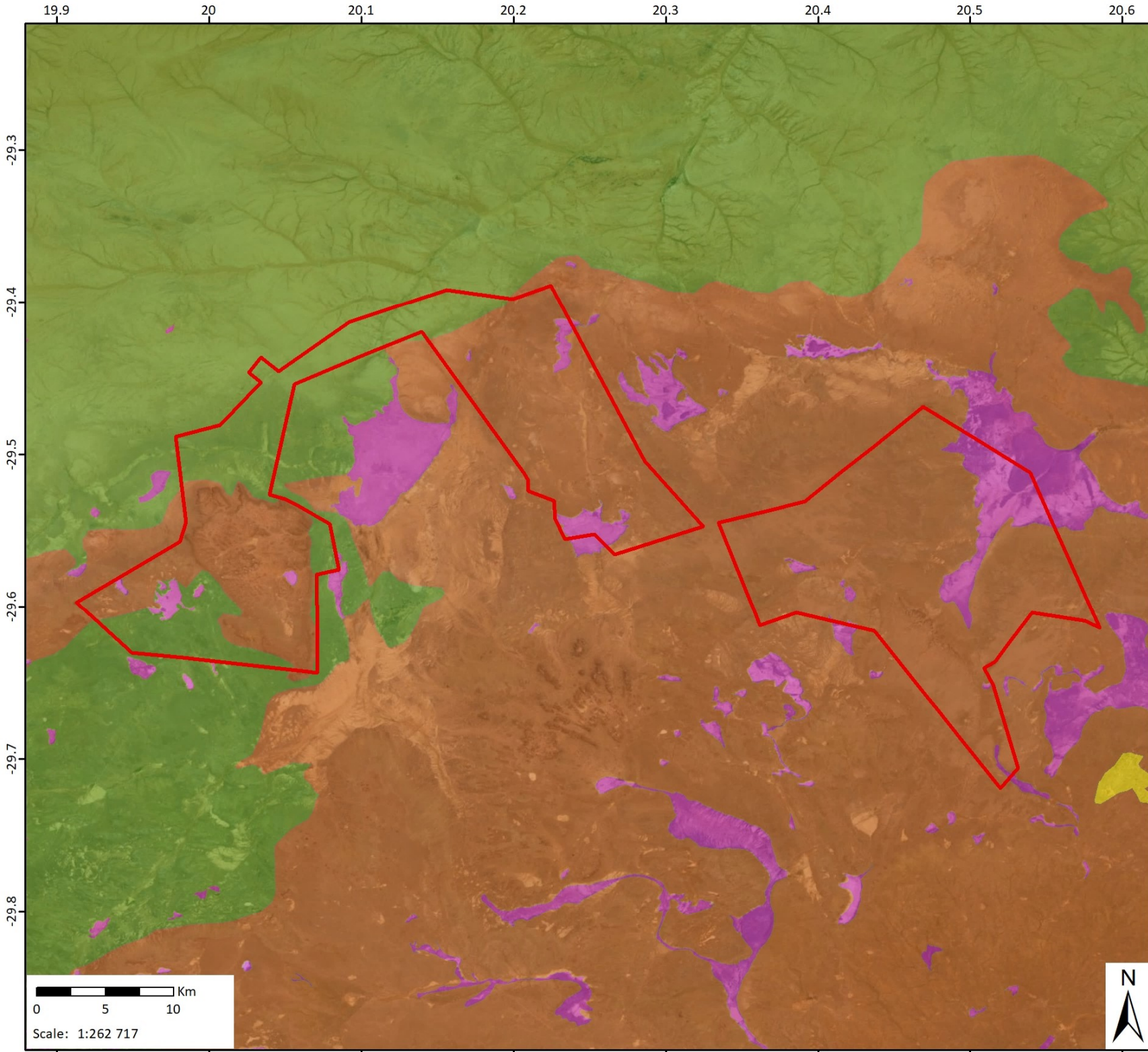


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Date: 2019/07/18
 EIMS Ref: 1304
 Compiled: PH
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 Approved: LW

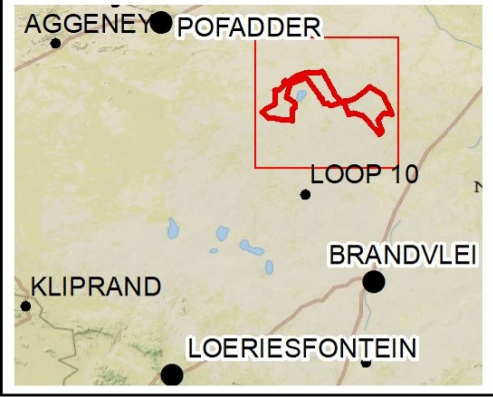




Vaalhoek Prospecting Right Application Vegetation
 1304 BMM Prospecting Right Application

Legend

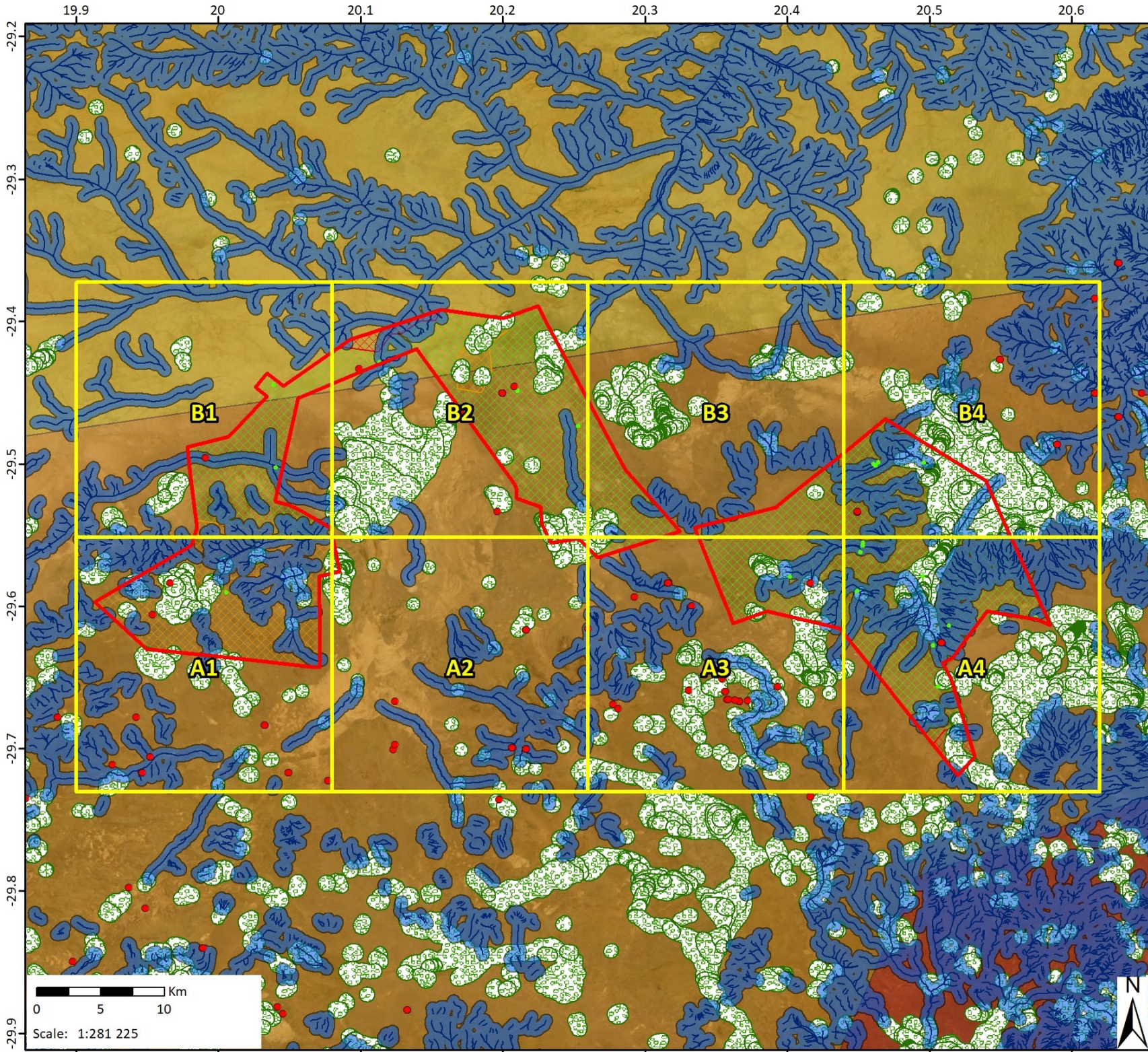
-  Vaalhoek Prospecting Application Area
- Mucina and Rutherford Vegetation**
-  Bushmanland Arid Grassland
-  Bushmanland Basin Shrubland
-  Bushmanland Vloere
-  Lower Gariep Broken Veld



Data Sources:
 CSG; ESRI; Mucina & Rutherford
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Ref: Vaalhoek_190718_PH

Date: 2019/07/18
 EIMS Ref: 1304
 Compiled: PH
 Reviewed: GP
 Approved: LW





Vaalhoek Proposed Prospecting Area Composite Map: Overview

1304 BMM Prospecting Rights Applications

Legend

- Map Index Grid
- Vaalhoek Proposed Prospecting Boundary
- NGA Boreholes
- Man Made Structures 30m Buffer
- Rivers Merged
- Rivers 500m Buffer
- NFEPA Wetlands 500m Buffer
- Biodiversity Sensitivity Very High
- Biodiversity Sensitivity High
- Biodiversity Sensitivity Low
- Important Bird and Biodiversity Areas

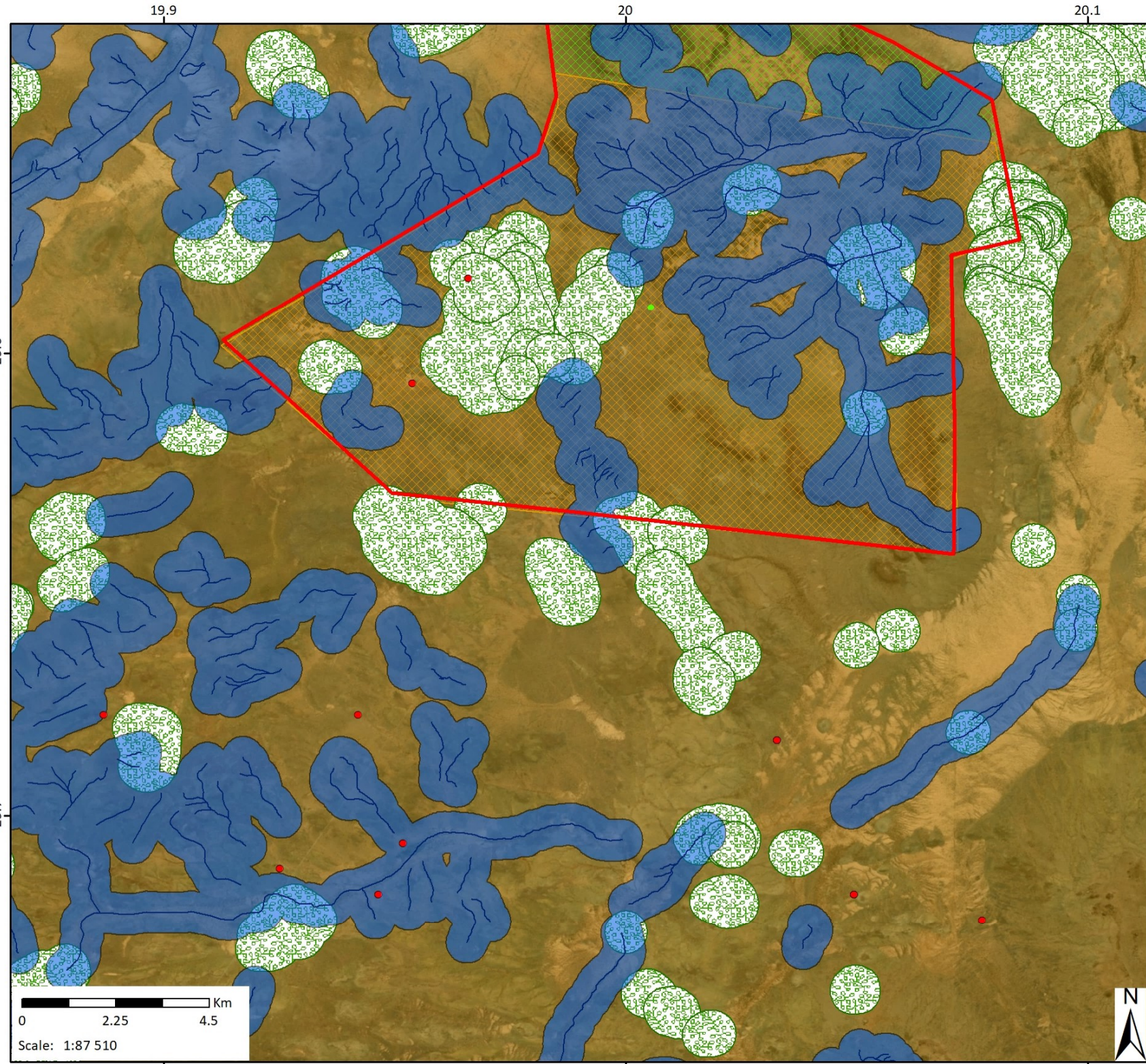
Square Kilometre Array (SKA) Areas

- Karoo Central Astronomy Advantage Area 1
- Karoo Central Astronomy Advantage Area 2
- Karoo Central Astronomy Advantage Area 3

Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03
 EIMS Ref: 1304
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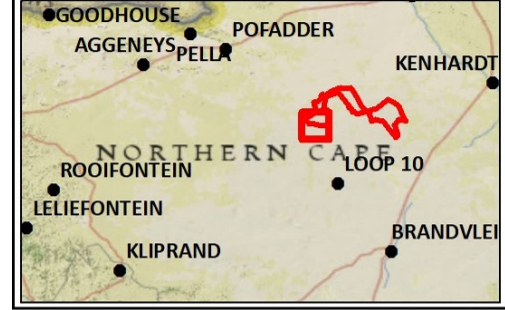




Vaalhoek Proposed Prospecting Area Composite Map: A1

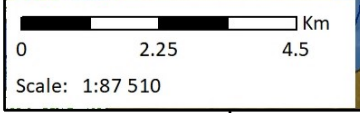
1304 BMM Prospecting Rights Applications

- Legend**
- Vaalhoek Proposed Prospecting Boundary
 - NGA Boreholes
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 - Rivers 500m Buffer
 - NFEPA Wetlands 500m Buffer
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 - Biodiversity Sensitivity High
 - Biodiversity Sensitivity Low
 - Important Bird and Biodiversity Areas
- Square Kilometre Array (SKA) Areas
- Karoo Central Astronomy Advantage Area 1
 - Karoo Central Astronomy Advantage Area 2
 - Karoo Central Astronomy Advantage Area 3



Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03
 EIMS Ref: 1304
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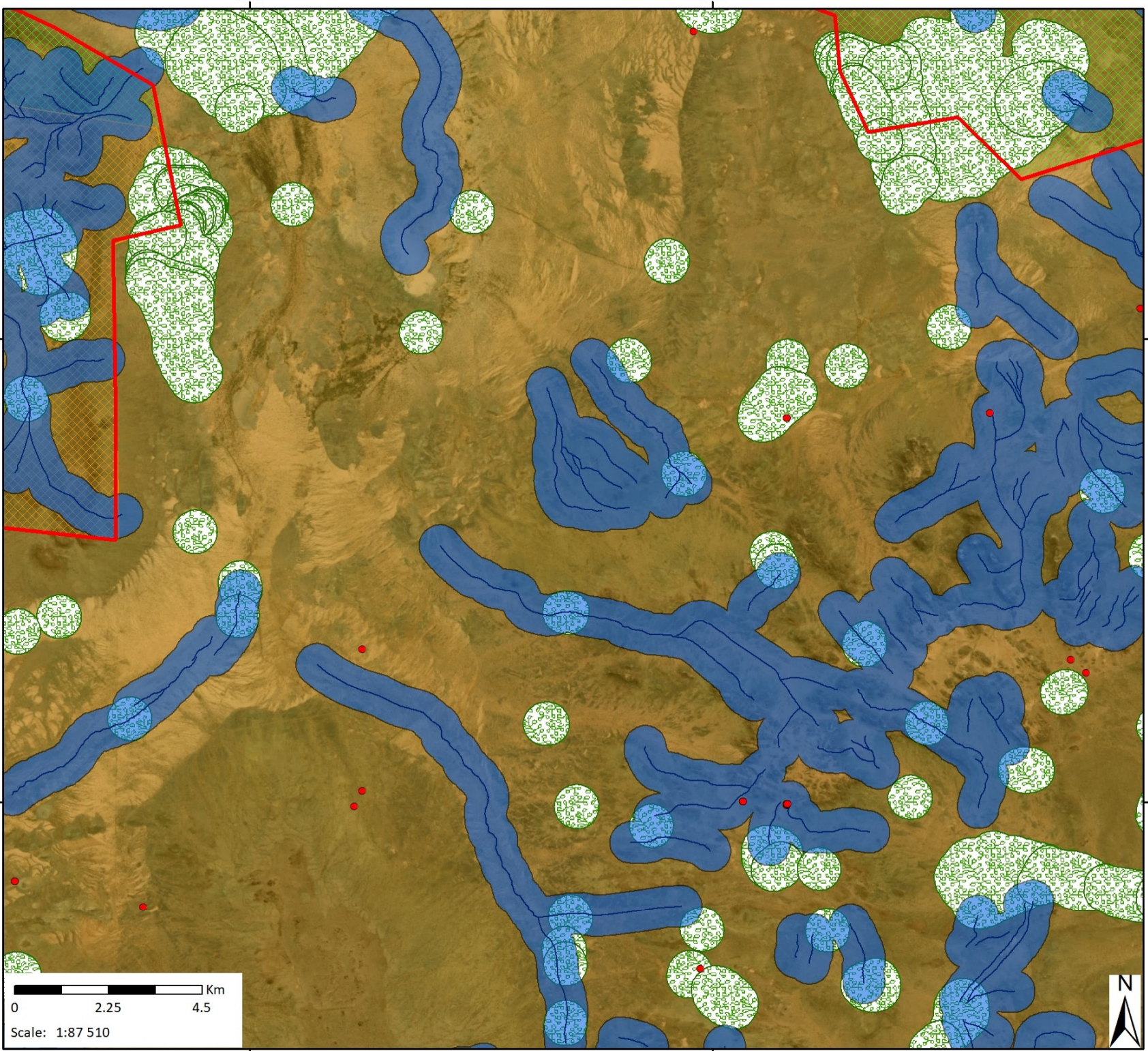


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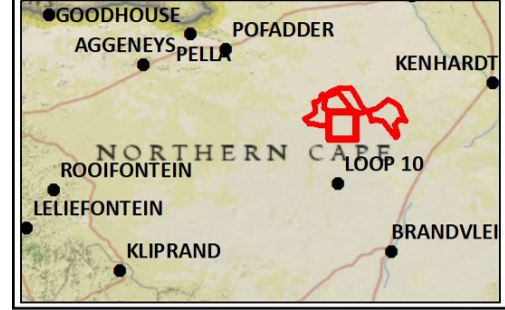
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Vaalhoek Proposed Prospecting Area Composite Map: A2

1304 BMM Prospecting Rights Applications

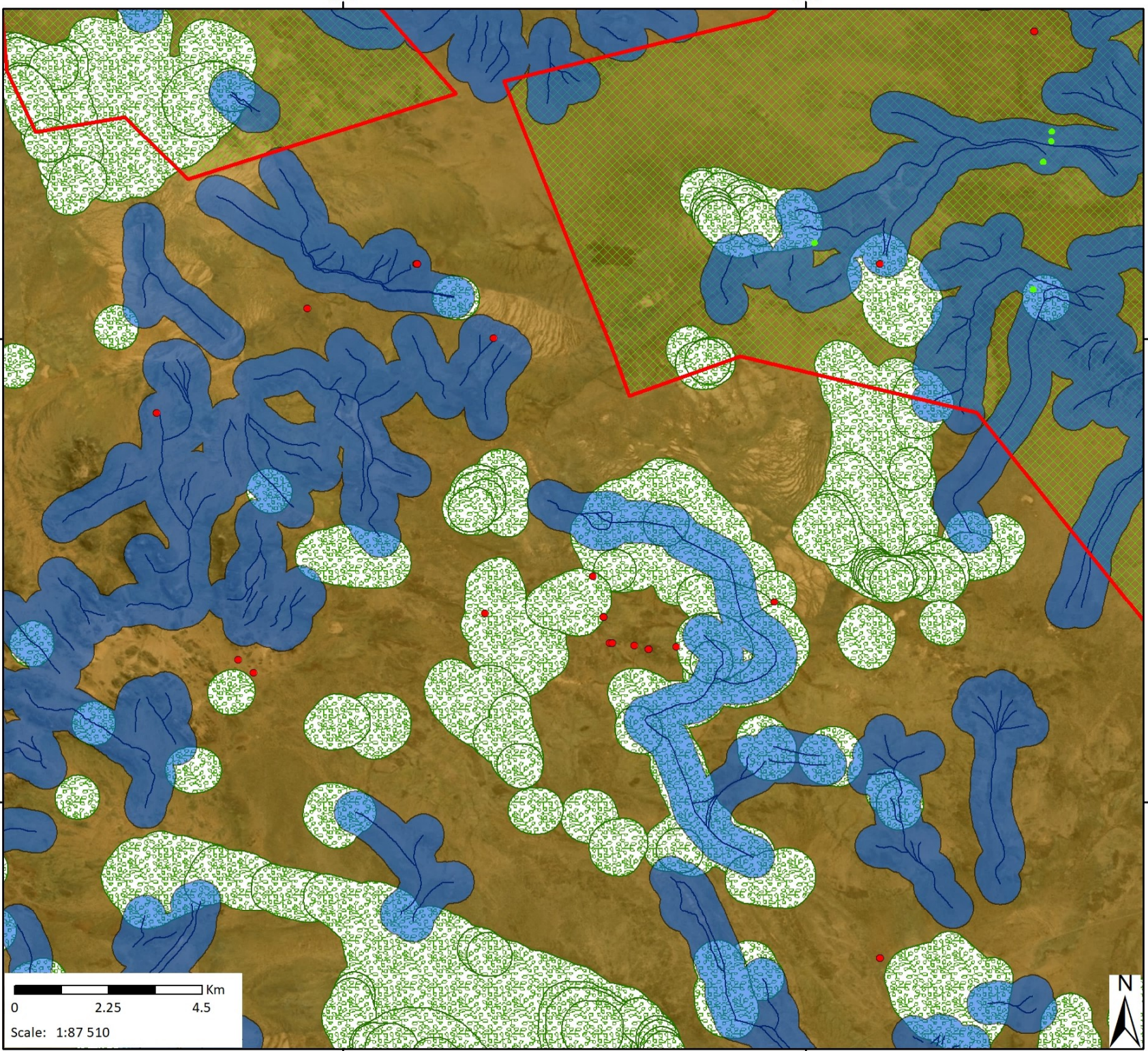
- Legend**
- Vaalhoek Proposed Prospecting Boundary
 - NGA Boreholes
 - Man Made Structures 30m Buffer
 - Rivers Merged
 - Rivers 500m Buffer
 - NFEPA Wetlands 500m Buffer
 - Biodiversity Sensitivity Very High
 - Biodiversity Sensitivity High
 - Biodiversity Sensitivity Low
 - Important Bird and Biodiversity Areas
- Square Kilometre Array (SKA) Areas
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 - Karoo Central Astronomy Advantage Area 2
 - Karoo Central Astronomy Advantage Area 3



Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
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 Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03
 EIMS Ref: 1304
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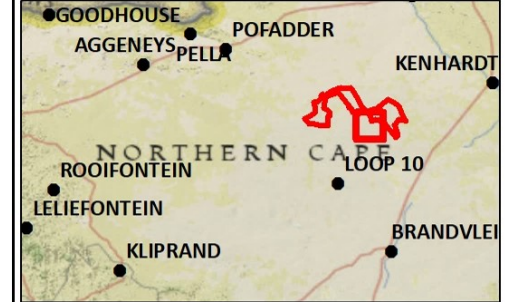




Vaalhoek Proposed Prospecting Area Composite Map: A3

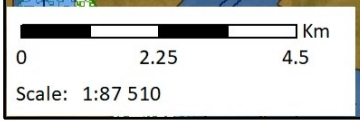
1304 BMM Prospecting Rights Applications

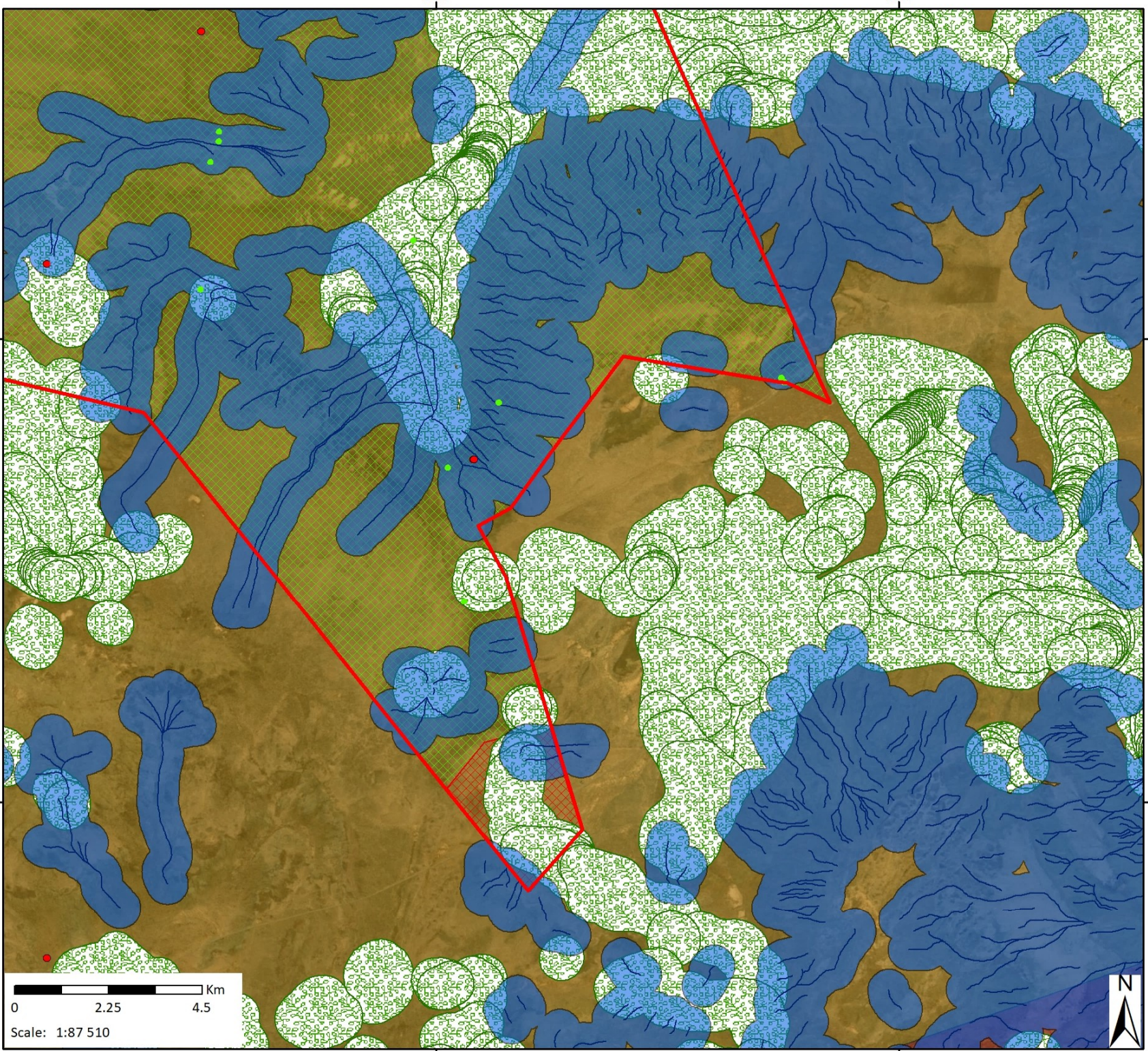
- Legend**
- Vaalhoek Proposed Prospecting Boundary
 - NGA Boreholes
 - Man Made Structures 30m Buffer
 - Rivers Merged
 - Rivers 500m Buffer
 - NFEPA Wetlands 500m Buffer
 - Biodiversity Sensitivity Very High
 - Biodiversity Sensitivity High
 - Biodiversity Sensitivity Low
 - Important Bird and Biodiversity Areas
 - Square Kilometre Array (SKA) Areas**
 - Karoo Central Astronomy Advantage Area 1
 - Karoo Central Astronomy Advantage Area 2
 - Karoo Central Astronomy Advantage Area 3



Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
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 Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03
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 Compiled: PH
 Reviewed: GP
 Approved: LW

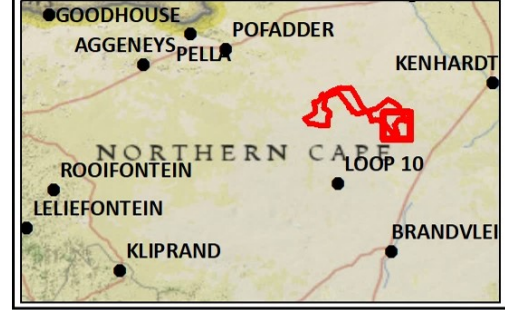




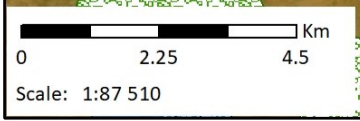
Vaalhoek Proposed Prospecting Area Composite Map: A4

1304 BMM Prospecting Rights Applications

- Legend**
- Vaalhoek Proposed Prospecting Boundary
 - NGA Boreholes
 - Man Made Structures 30m Buffer
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 - NFEPA Wetlands 500m Buffer
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 - Biodiversity Sensitivity High
 - Biodiversity Sensitivity Low
 - Important Bird and Biodiversity Areas
 - Square Kilometre Array (SKA) Areas**
 - Karoo Central Astronomy Advantage Area 1
 - Karoo Central Astronomy Advantage Area 2
 - Karoo Central Astronomy Advantage Area 3

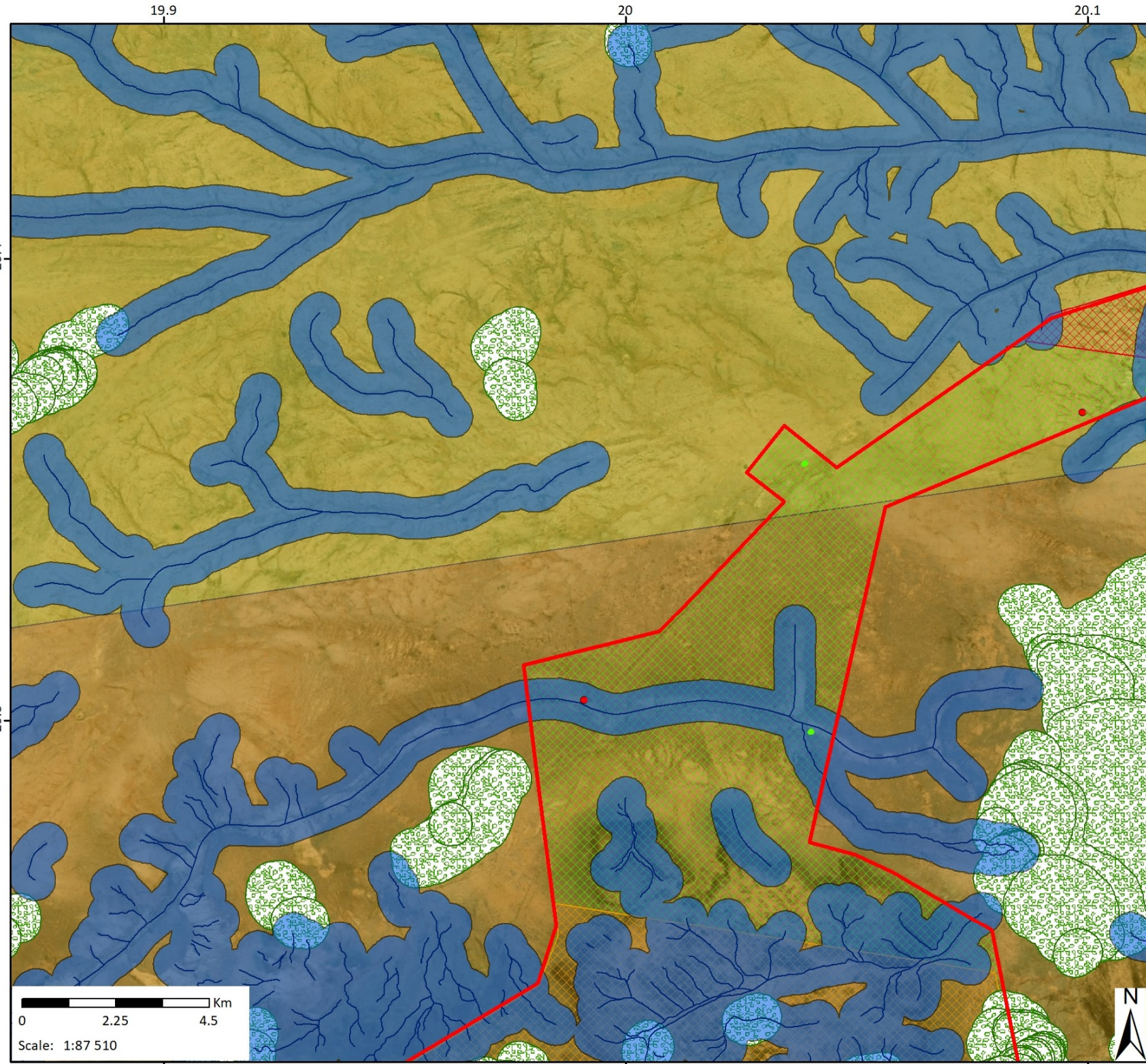


Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
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 Ref: Groot Kolk Composite Map_190903_PH



Date: 2019/09/03
 EIMS Ref: 1304
 Compiled: PH
 Reviewed: GP
 Approved: LW

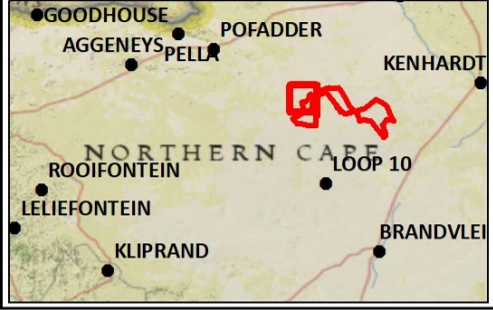




Vaalhoek Proposed Prospecting Area Composite Map: B1

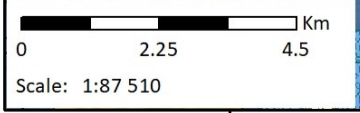
1304 BMM Prospecting Rights Applications

- Legend**
- Vaalhoek Proposed Prospecting Boundary
 - NGA Boreholes
 - Man Made Structures 30m Buffer
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 - Biodiversity Sensitivity Very High
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Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03
 EIMS Ref: 1304
 Compiled: PH
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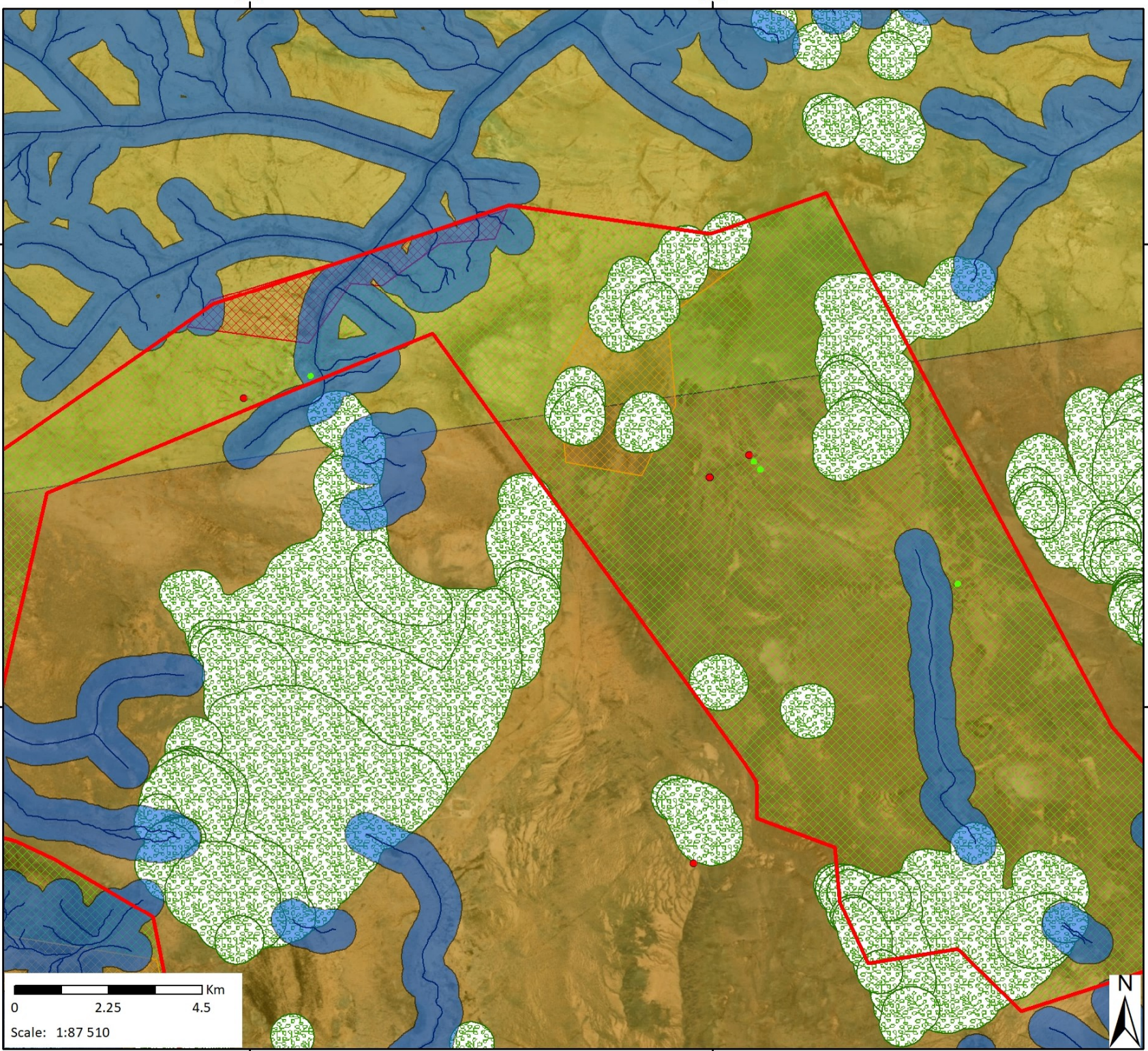


20.1

20.2

-29.4

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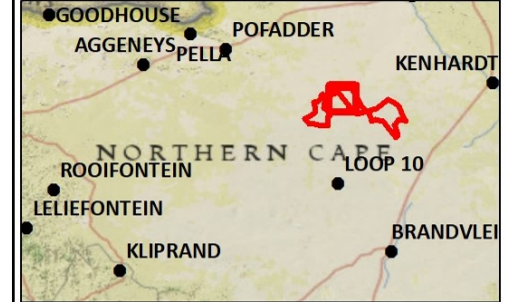


Vaalhoek Proposed Prospecting Area Composite Map: B2

1304 BMM Prospecting Rights Applications

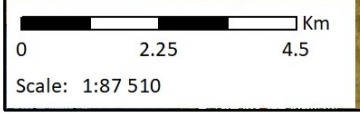
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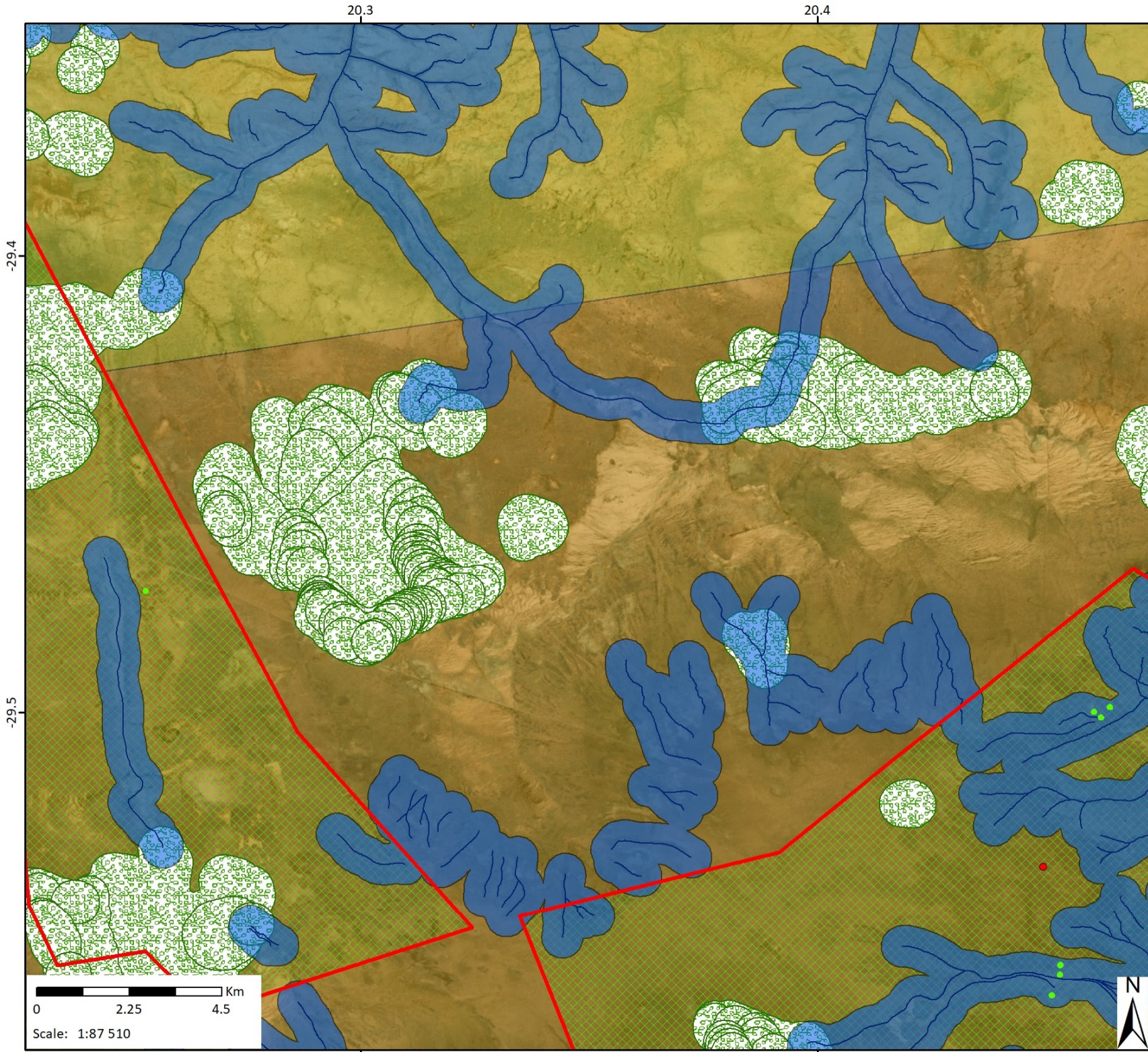
- Vaalhoek Proposed Prospecting Boundary
- NGA Boreholes
- Man Made Structures 30m Buffer
- Rivers Merged
- Rivers 500m Buffer
- NFEPA Wetlands 500m Buffer
- Biodiversity Sensitivity Very High
- Biodiversity Sensitivity High
- Biodiversity Sensitivity Low
- Important Bird and Biodiversity Areas
- Square Kilometre Array (SKA) Areas**
- Karoo Central Astronomy Advantage Area 1
- Karoo Central Astronomy Advantage Area 2
- Karoo Central Astronomy Advantage Area 3



Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
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 Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03
 EIMS Ref: 1304
 Compiled: PH
 Reviewed: GP
 Approved: LW
















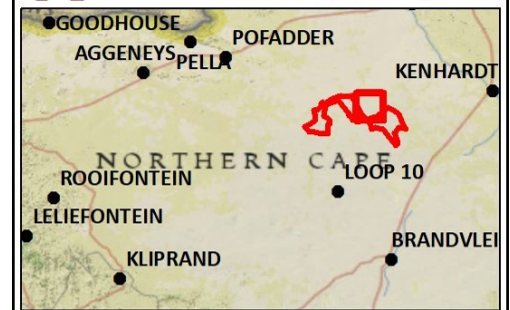


Vaalhoek Proposed Prospecting Area Composite Map: B3

1304 BMM Prospecting Rights Applications

Legend

-  Vaalhoek Proposed Prospecting Boundary
-  NGA Boreholes
-  Man Made Structures 30m Buffer
-  Rivers Merged
-  Rivers 500m Buffer
-  NFEPA Wetlands 500m Buffer
-  Biodiversity Sensitivity Very High
-  Biodiversity Sensitivity High
-  Biodiversity Sensitivity Low
-  Important Bird and Biodiversity Areas
- Square Kilometre Array (SKA) Areas**
-  Karoo Central Astronomy Advantage Area 1
-  Karoo Central Astronomy Advantage Area 2
-  Karoo Central Astronomy Advantage Area 3



Data Sources:

CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
Coord System: GCS WGS 1984

Datum: WGS 1984

Units: Degree

Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03

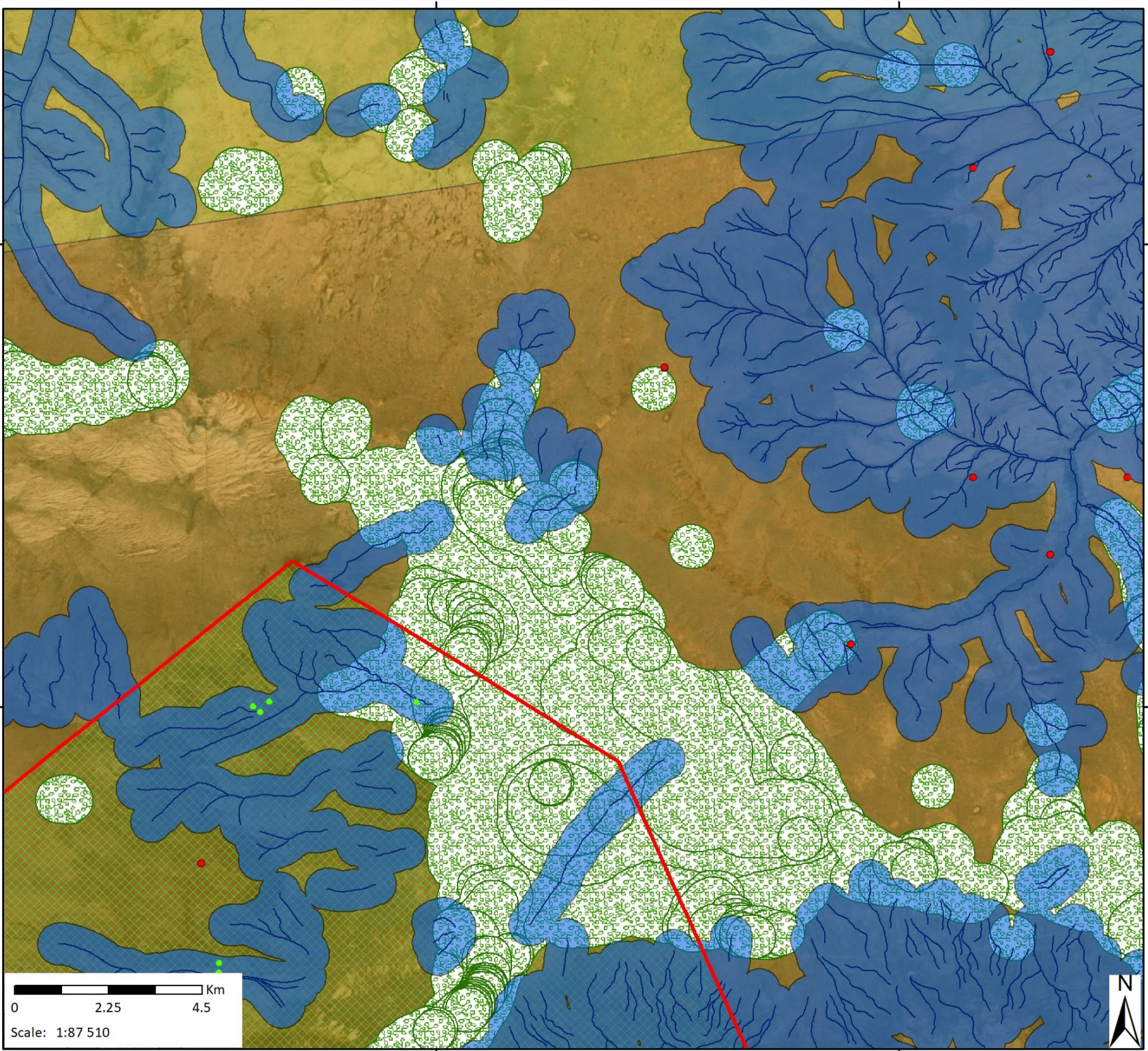
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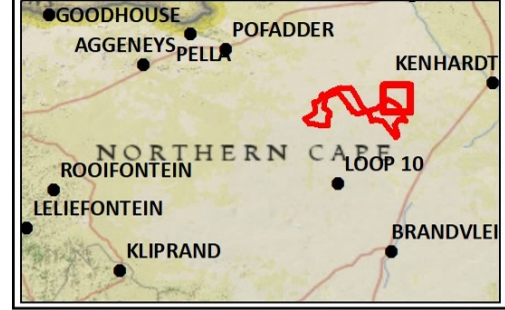




Vaalhoek Proposed Prospecting Area Composite Map: B4

1304 BMM Prospecting Rights Applications

- Legend**
- Vaalhoek Proposed Prospecting Boundary
 - NGA Boreholes
 - Man Made Structures 30m Buffer
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 - Rivers 500m Buffer
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 - Karoo Central Astronomy Advantage Area 2
 - Karoo Central Astronomy Advantage Area 3



Data Sources:
 CSG; ESRI; PSG; SRK; TBC; NGA; NFEPA
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: Groot Kolk Composite Map_190903_PH

Date: 2019/09/03
 EIMS Ref: 1304
 Compiled: PH
 Reviewed: GP
 Approved: LW

