

Development Area Coordinates

	Latitude	Longitude
01	28°31'57.85"S	21° 3'55.18"E
02	28°31'38.67"S	21° 4'16.90"E
03	28°31'35.59"S	21° 4'17.29"E
04	28°31'27.51"S	21° 4'25.17"E
05	28°31'29.24"S	21° 4'28.91"E
06	28°31'29.41"S	21° 4'31.18"E
07	28°31'29.06"S	21° 4'38.22"E
08	28°31'25.50"S	21° 4'38.28"E
09	28°31'20.33"S	21° 4'41.59"E
10	28°30'20.66"S	21° 3'43.74"E
11	28°30'20.53"S	21° 3'40.18"E
12	28°30'42.00"S	21° 3'8.74"E
13	28°30'44.43"S	21° 3'10.87"E
14	28°30'42.41"S	21° 3'13.73"E
15	28°30'56.79"S	21° 3'26.64"E
16	28°31'14.56"S	21° 3'36.71"E
17	28°31'20.97"S	21° 3'36.39"E
18	28°31'30.60"S	21° 3'38.33"E
19	28°31'37.35"S	21° 3'41.31"E
20	28°31'42.43"S	21° 3'51.15"E
Centre Point Coordinates	28°31'7.31"S	21° 3'53.52"E

Naledi PV, Northern Cape

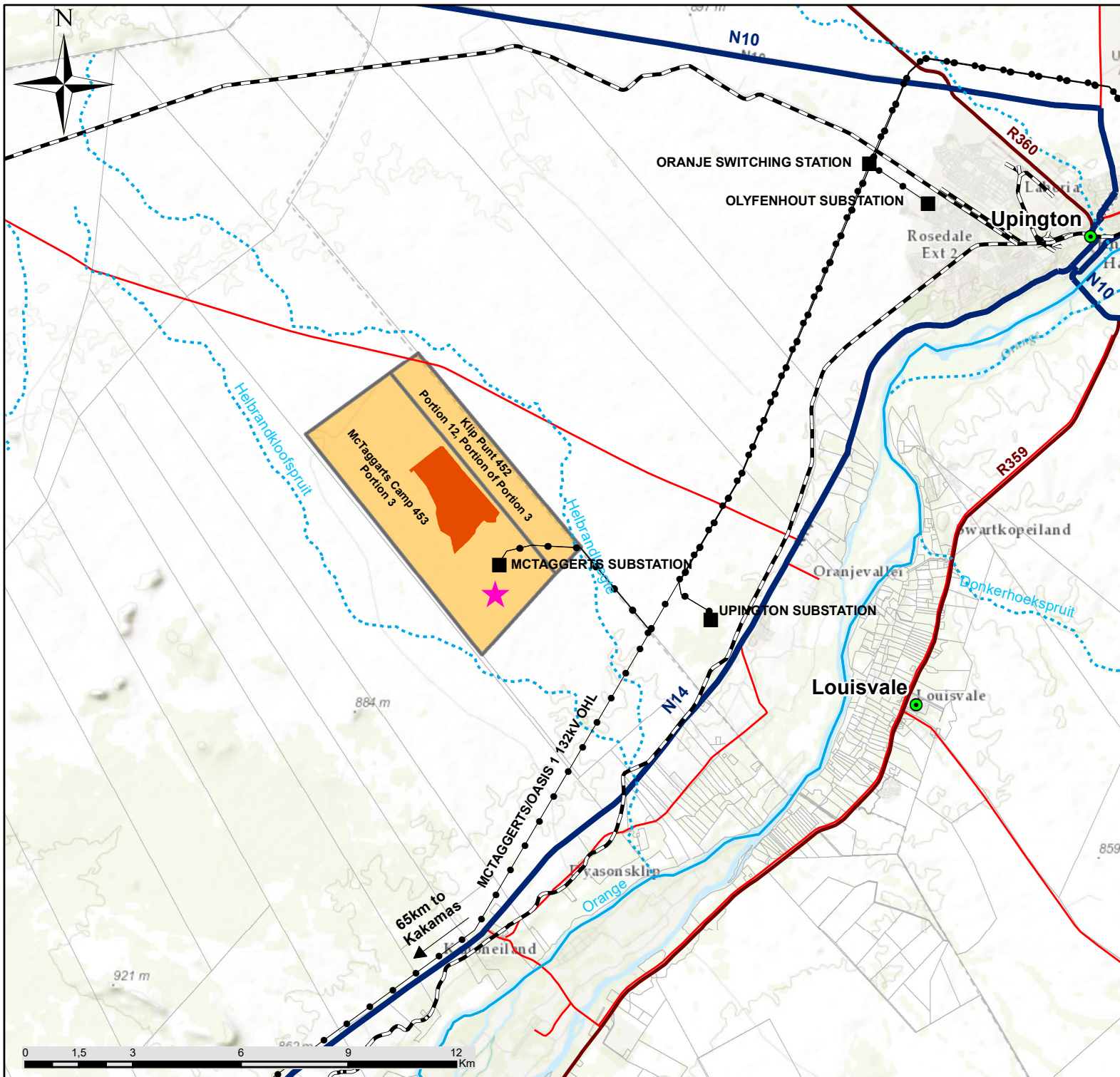
Locality Map

Legend

- Town
- ★ Khi Solar 1 CSP Facility (existing)
- Eskom Substations
- Eskom power line
- +— Railway Line
- Perennial River
- Non-perennial River
- National Route
- Regional Road
- Main Road
- Farm Portions
- Study Area
- Naledi PV Development Area (~330ha)

Scale:
Projection: LO21
Ref: Naledi PV000 Locality Map 20.03.2020

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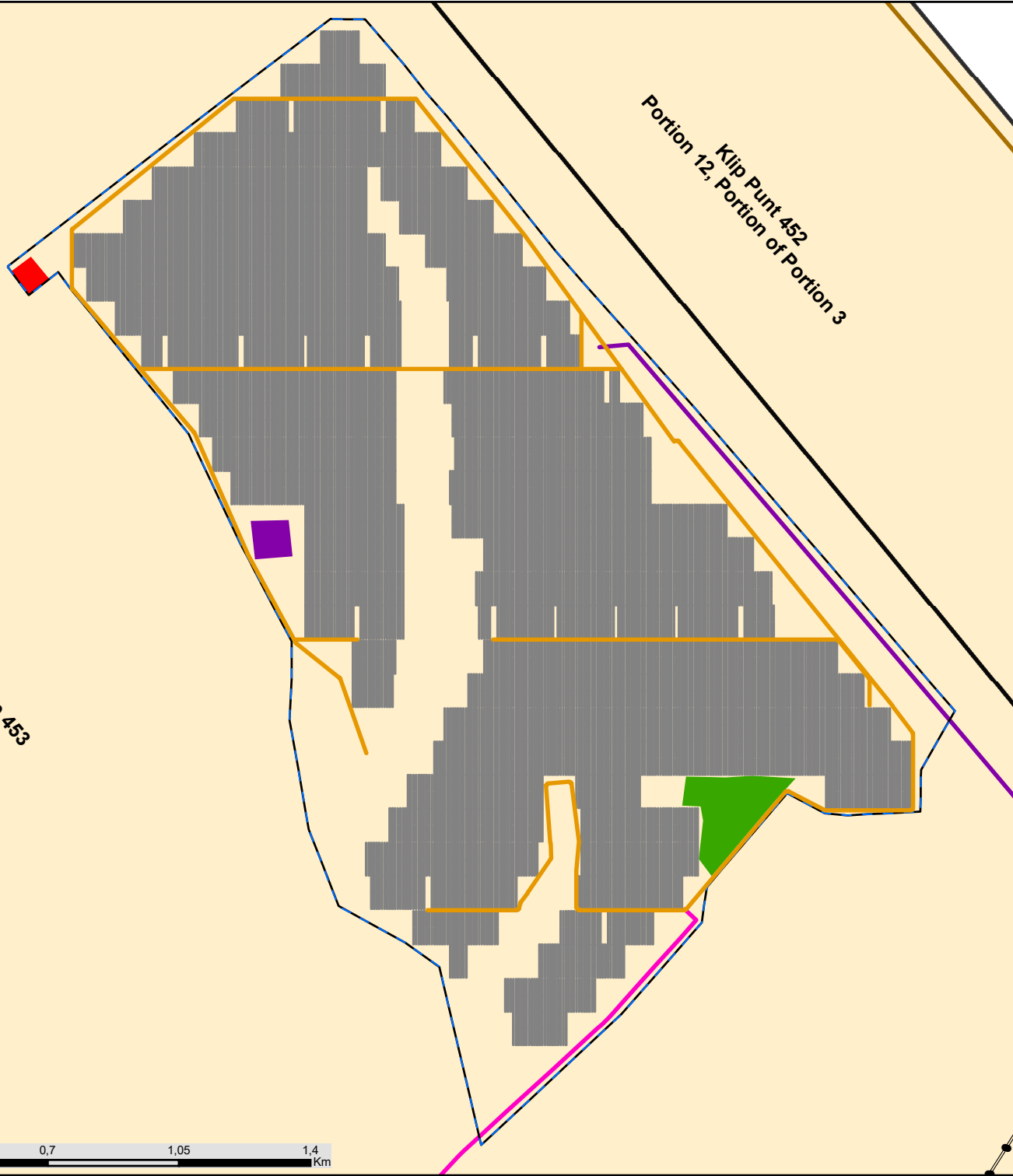


Naledi PV Northern Cape Province

Layout Map

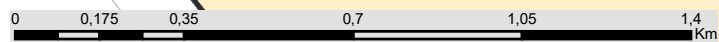
Layout

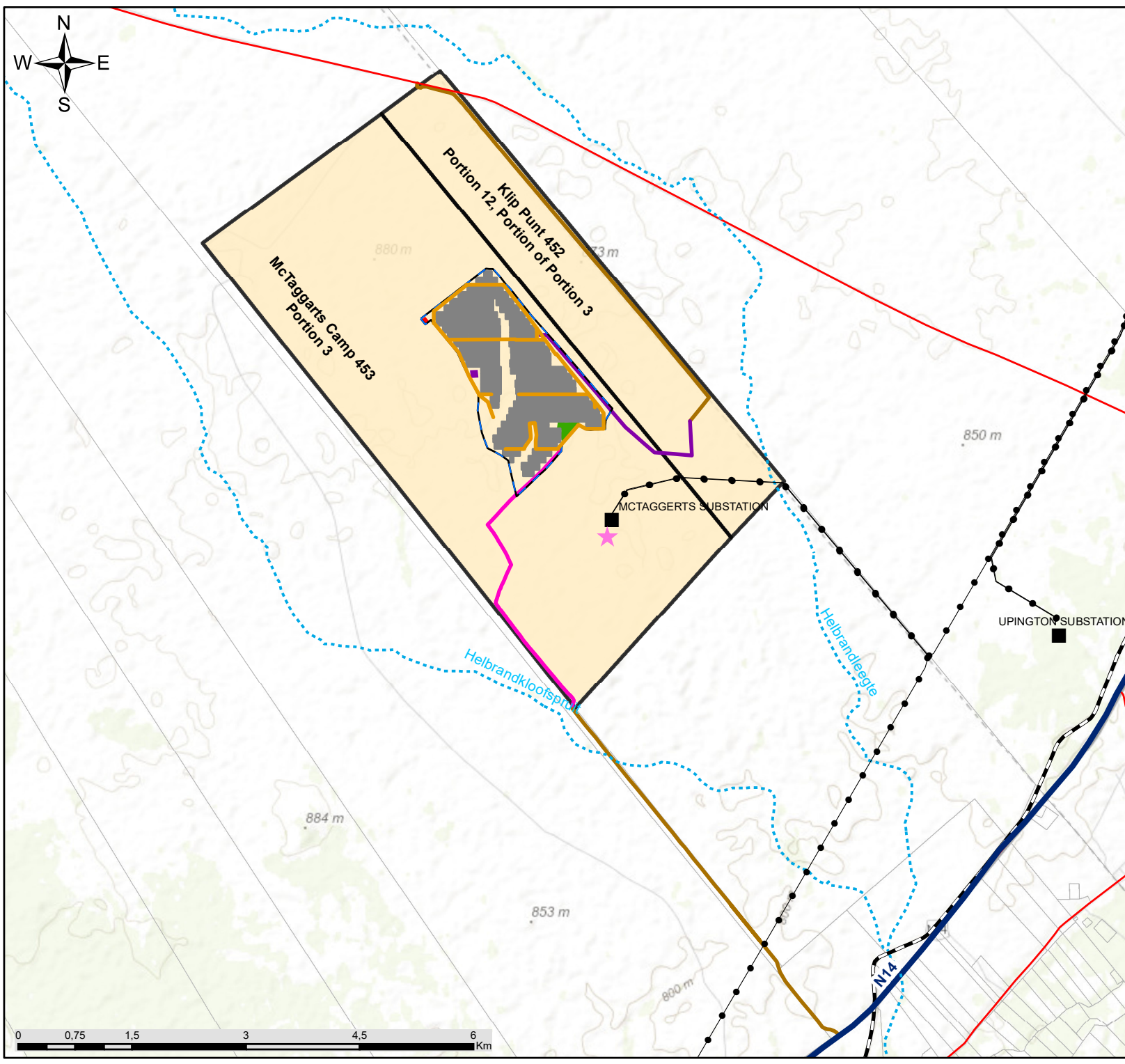
- Existing Road
- Boundary Fence
- Main Access Road Alternative 1
- Main Access Road Alternative 2
- Internal Access Roads
- Solar Panel Area
- Laydown Area
- On-Site Substation
- O&M Building
- Study Area



Scale: 1:15 660
Projection: LQ21
Ref: Naledi PV - Layout Map 08.05.2020

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Naledi PV Northern Cape Province

Layout Map

- Legend**
- ★ Khi Solar 1 CSP Facility (Existing)
 - Eskom Substations
 - Eskom power line
 - Non-perennial River
 - National Route
 - Regional Road
 - Main Road
 - Railway Line
 - Study Area
 - Farm Portions

- Layout**
- Existing Road
 - Boundary Fence
 - Main Access Road Alternative 1
 - Main Access Road Alternative 2
 - Internal Access Roads
 - Solar Panel Area
 - Laydown Area
 - On-Site Substation
 - O&M Building

Scale: 1:69 330
 Projection: LO21
 Ref: Naledi PV - Layout Map 08.05.2020





Naledi PV, Northern Cape Province

Cumulative Map: Renewable Energy Developments

Legend

- Town
- Eskom Substations
- Railway Line
- National Route
- Regional Road
- Eskom power line
- Naledi PV Development Area
- Upington REDZ 7

Operational:

- 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)

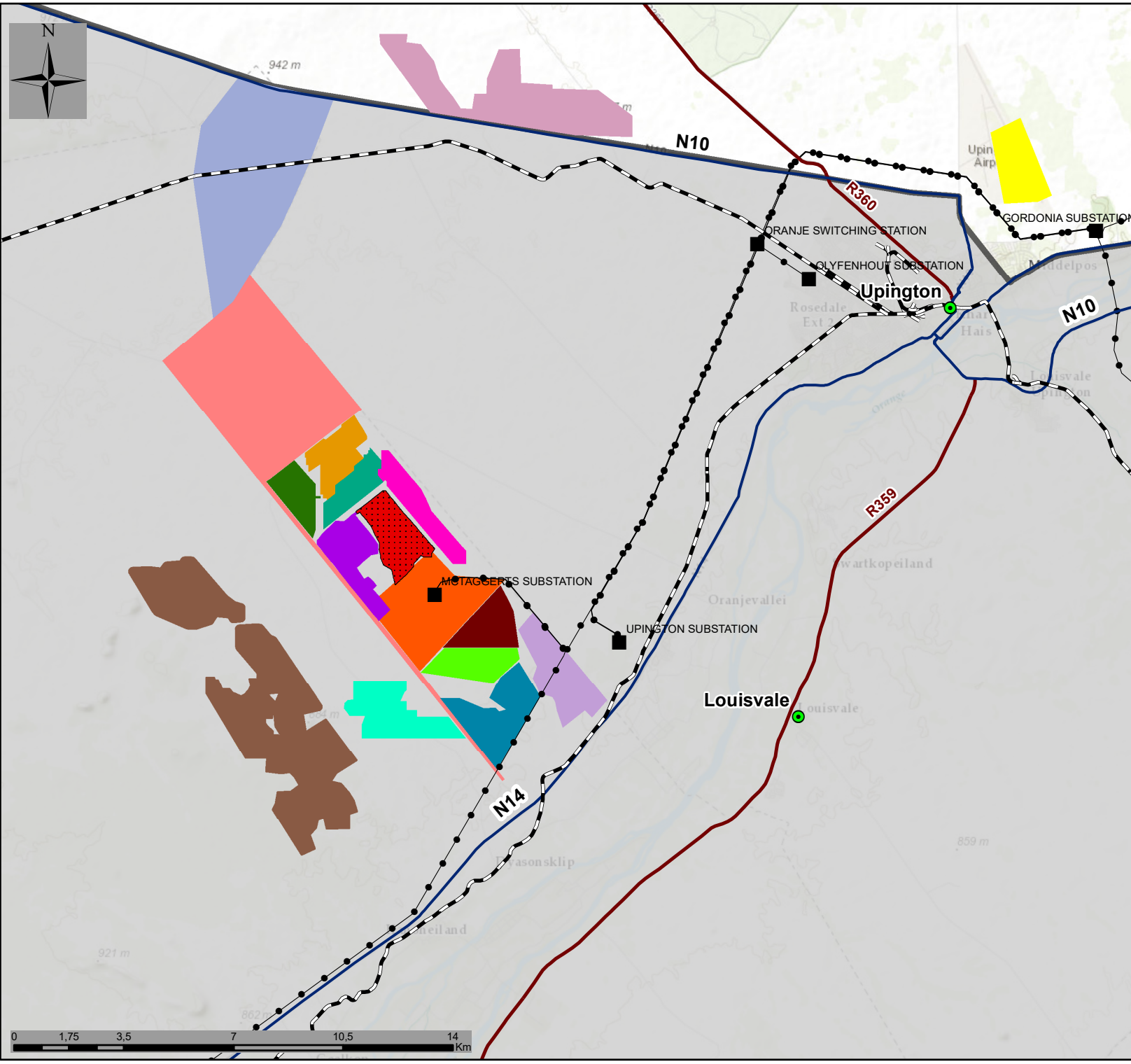
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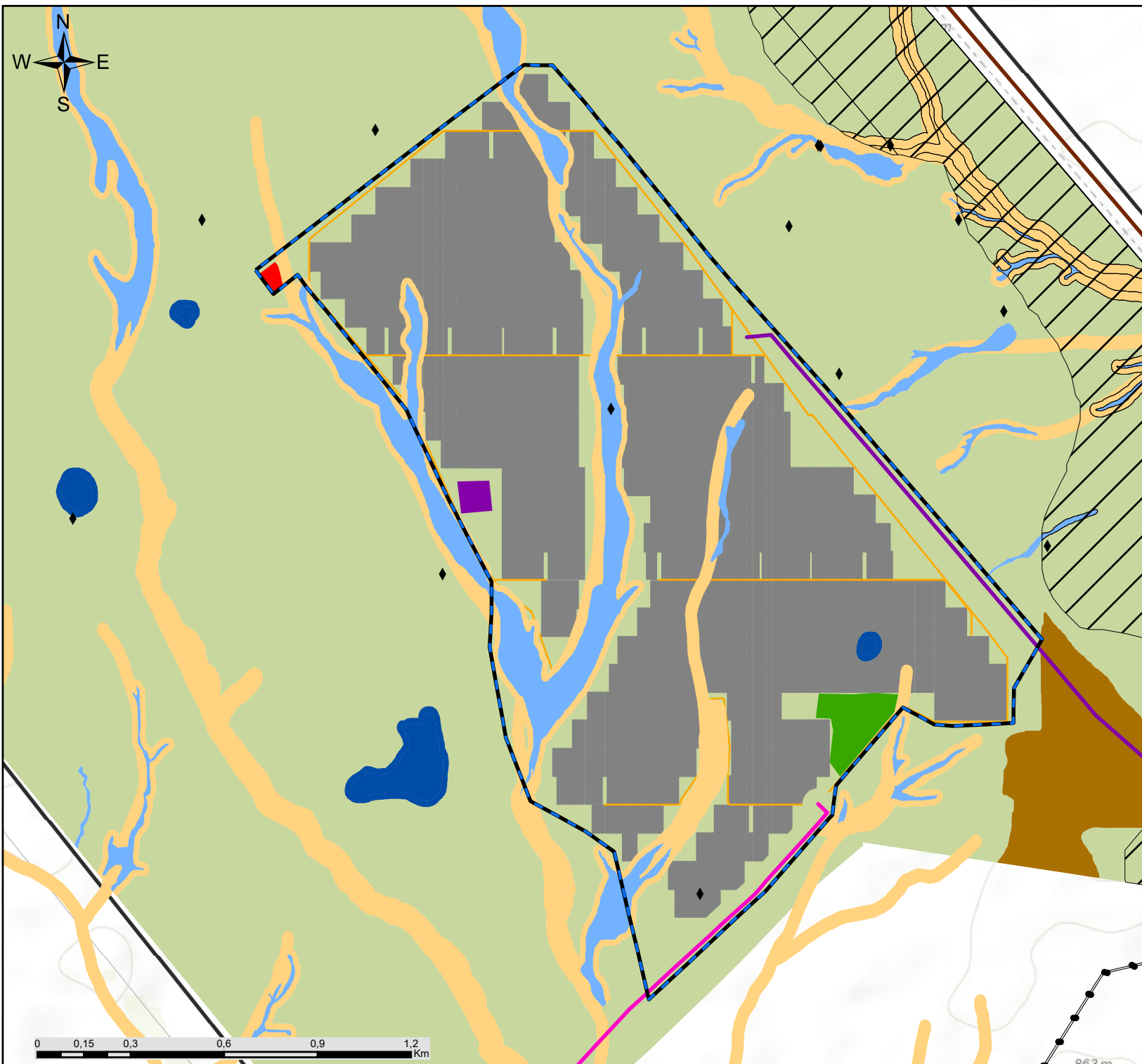
- Klip Punt PV1 (1 x 100MW PV)
- Sirius Solar PV Two (1 x 75MW PV)
- Sirius Solar PV Three (1 x 100MW PV)
- Sirius Solar PV Four (1 x 100MW PV)
- McTaggarts PV1 (1x 75MW PV)
- McTaggarts PV2 (1x 75MW PV)
- McTaggarts PV3 (1x 75MW PV)
- Allepad PV (4 x 100MW)
- Rooipunt CSP (1 x 150MW CSP)
- Bloemmond Solar 1, 2, 3, 4 & 5 PV (2 x 75MW & 3x100MW PV)
- Solis Power I & II Project (1 x 150MW & 1 x 125MW CSP)

In Process:

- Ngwedi PV Development Area (~304ha)

Scale: 1:168 767
 Projection: L021
 Ref: Naledi PV Cumulative-20.03.2020





Naledi PV Northern Cape Province

Environmental Feature and Layout Map

- Legend**
- Eskom Power Line
 - ▭ Study Area
- Layout**
- Existing Road
 - - - Boundary Fence
 - Main Access Road Alternative 1
 - Main Access Road Alternative 2
 - Internal Access Roads
 - ▭ Solar Panel Area
 - ▭ Laydown Area
 - ▭ On-Site Substation
 - ▭ O&M Building
- Environmental Features**
- ◆ Heritage Resources
 - ▭ Drainage Feature (including alluvial watercourses)
 - ▭ Wash
 - ▭ Pan
 - ▭ Transformed
 - ▭ Plains Habitat
 - ▭ Korhaan habitat

Scale:
Projection: LO21 1:17 058
Ref: Naledi PV - Sensitivity and Layout Map 05.05.2020

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environmental

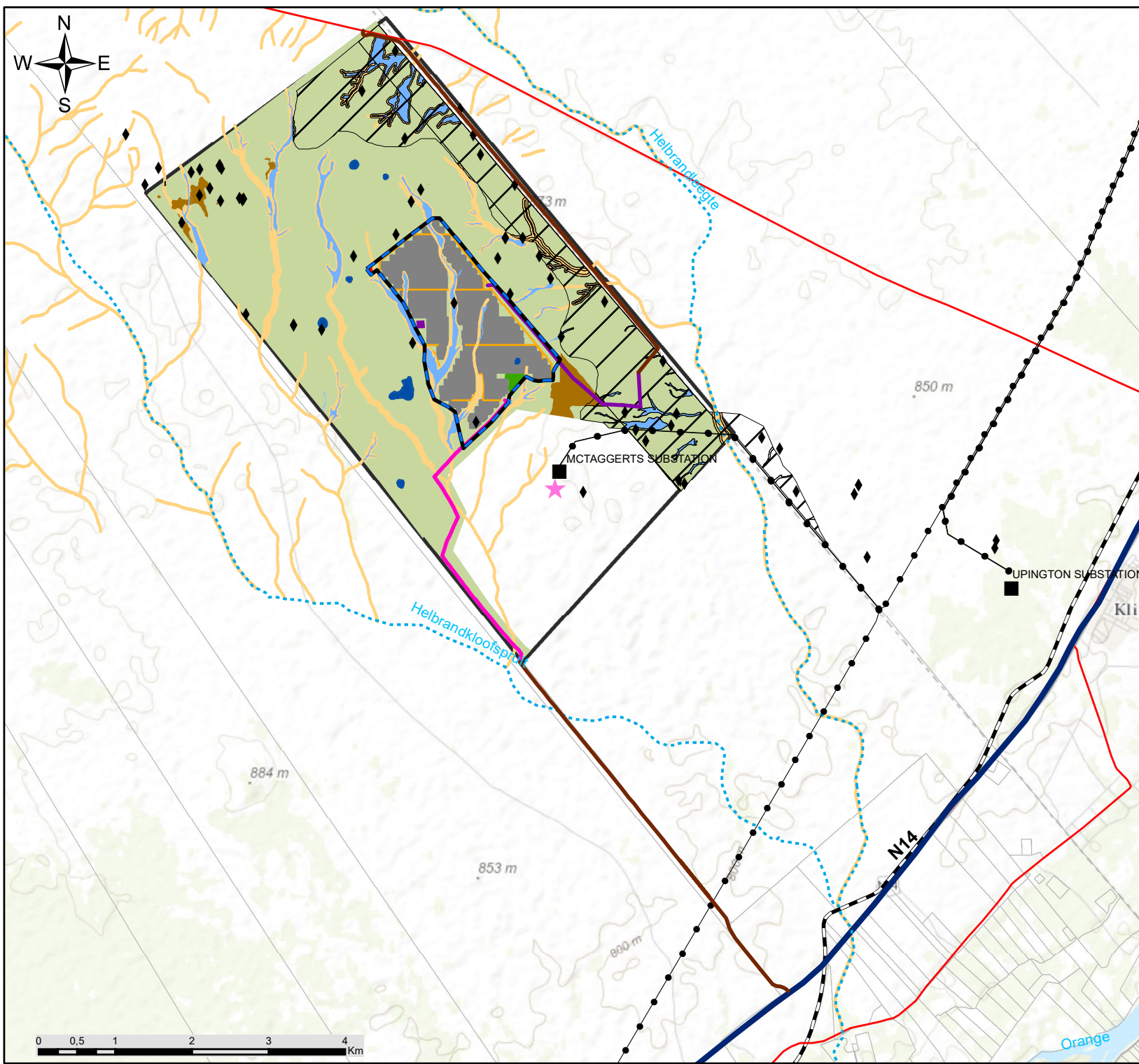
Northern Cape

Free State

Western Cape

Eastern Cape

863 m



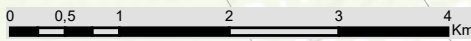
Naledi PV Northern Cape Province

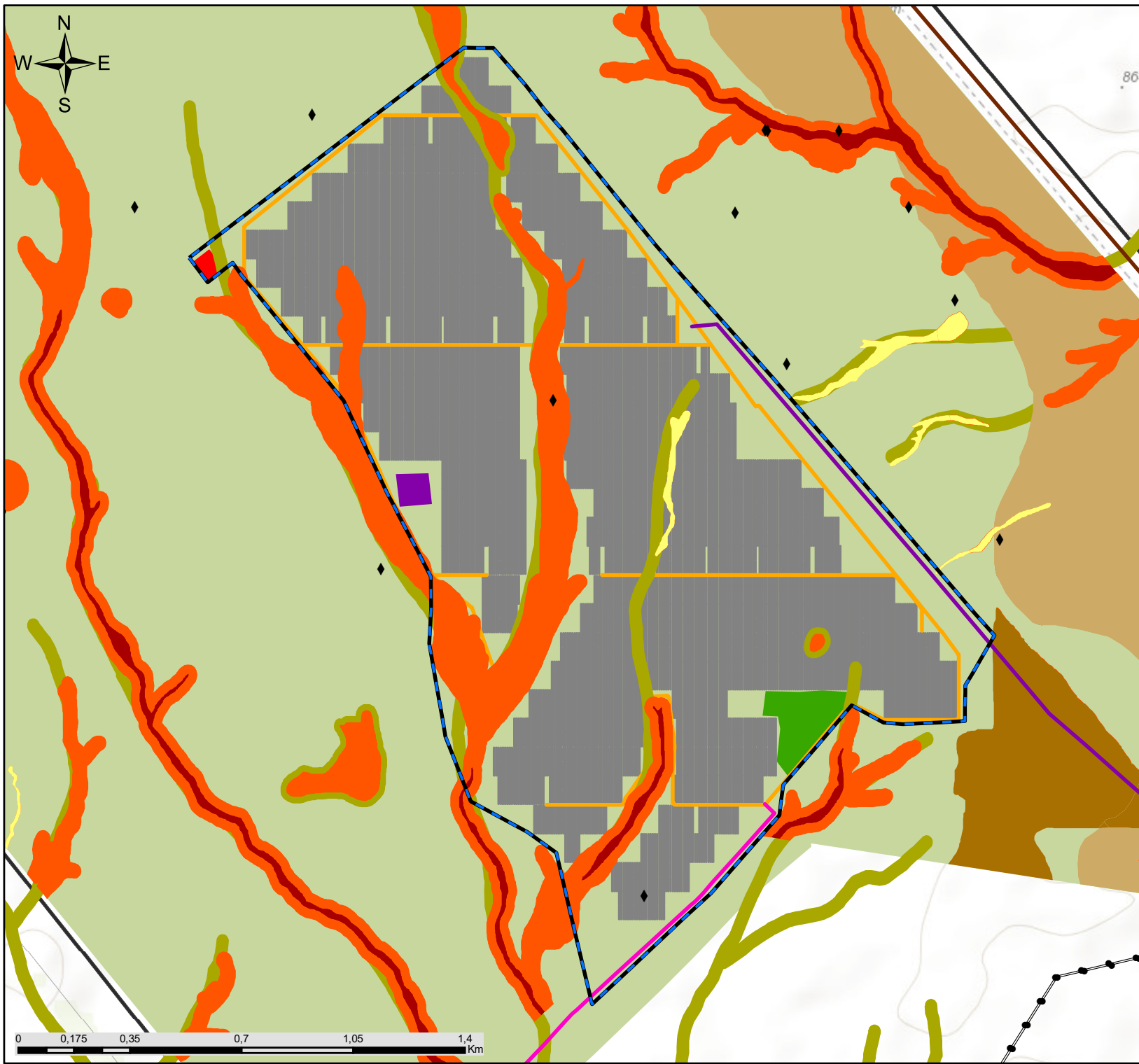
Environmental Feature and Layout Map

- Legend**
- ★ Khi Solar 1 CSP Facility (Existing)
 - Eskom Substations
 - Eskom Power Line
 - ⋯ Non-perennial River
 - ▬ National Route
 - ▬ Main Road
 - ▬ Railway Line
 - ▭ Study Area
- Layout**
- ▬ Existing Road
 - ▬ Boundary Fence
 - ▬ Main Access Road Alternative 1
 - ▬ Main Access Road Alternative 2
 - ▬ Internal Access Roads
 - ▭ Solar Panel Area
 - ▭ Laydown Area
 - ▭ On-Site Substation
 - ▭ O&M Building
- Environmental Features**
- ◆ Heritage Resources
 - ▬ Drainage Feature (including alluvial watercourses)
 - ▭ Wash
 - ▭ Pan
 - ▭ Transformed
 - ▭ Plains Habitat
 - ▭ Korhaan habitat

Scale:
Projection: LO21 1:69 000
Ref: Naledi PV - Sensitivity and Layout Map 05.05.2020

The inset map shows the four South African provinces: Northern Cape, Free State, Western Cape, and Eastern Cape. An orange square in the Northern Cape province indicates the location of the Naledi PV site.






















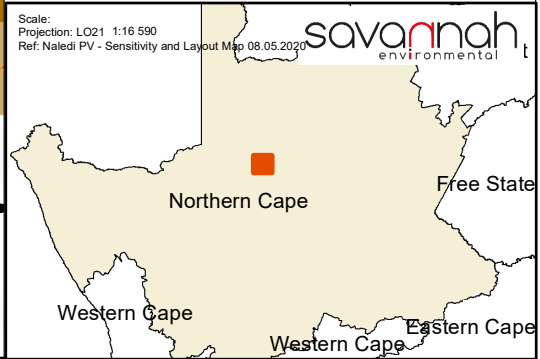
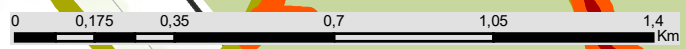


Naledi PV Northern Cape Province

Environmental Sensitivity and Layout Map

Legend

-  Eskom power line
-  Study Area
- Layout**
-  Boundary Fence
-  Main Access Road Alternative 1
-  Main Access Road Alternative 2
-  Existing Road
-  Internal Access Roads
-  Solar Panel Area
-  Laydown Area
-  On-Site Substation
-  O&M Building
- Environmental Sensitivity**
-  Very High Sensitivity (no-go) (Ecology, Avifauna and Aquatic)
-  High Sensitivity (Aquatic, Avifauna and Ecology)
-  Medium High Sensitivity (Avifauna)
-  Medium Sensitivity (Aquatic)
-  Medium Sensitivity (Avifauna)
-  Medium Sensitivity (Ecology)
-  No Sensitivity (Transformed)
-  Low Sensitivity (Heritage)



Naledi PV Northern Cape Province

Environmental Sensitivity and Layout Map

Legend

★ Khi Solar 1 CSP Facility (Existing)

■ Eskom Substations

●—● Eskom power line

⋯ Non-perennial River

▬ National Road

▬ Regional Road

▬ Railway Line

▭ Study Area

Layout

▬ Boundary Fence

▬ Main Access Road Alternative 1

▬ Main Access Road Alternative 2

▬ Existing Road

▬ Internal Access Roads

▭ Solar Panel Area

▭ Laydown Area

▭ On-Site Substation

▭ O&M Building

Environmental Sensitivity

▭ Very High Sensitivity (no-go) (Ecology, Avifauna and Aquatic)

▭ High Sensitivity (Aquatic, Avifauna and Ecology)

▭ Medium High Sensitivity (Avifauna)

▭ Medium Sensitivity (Aquatic)

▭ Medium Sensitivity (Avifauna)

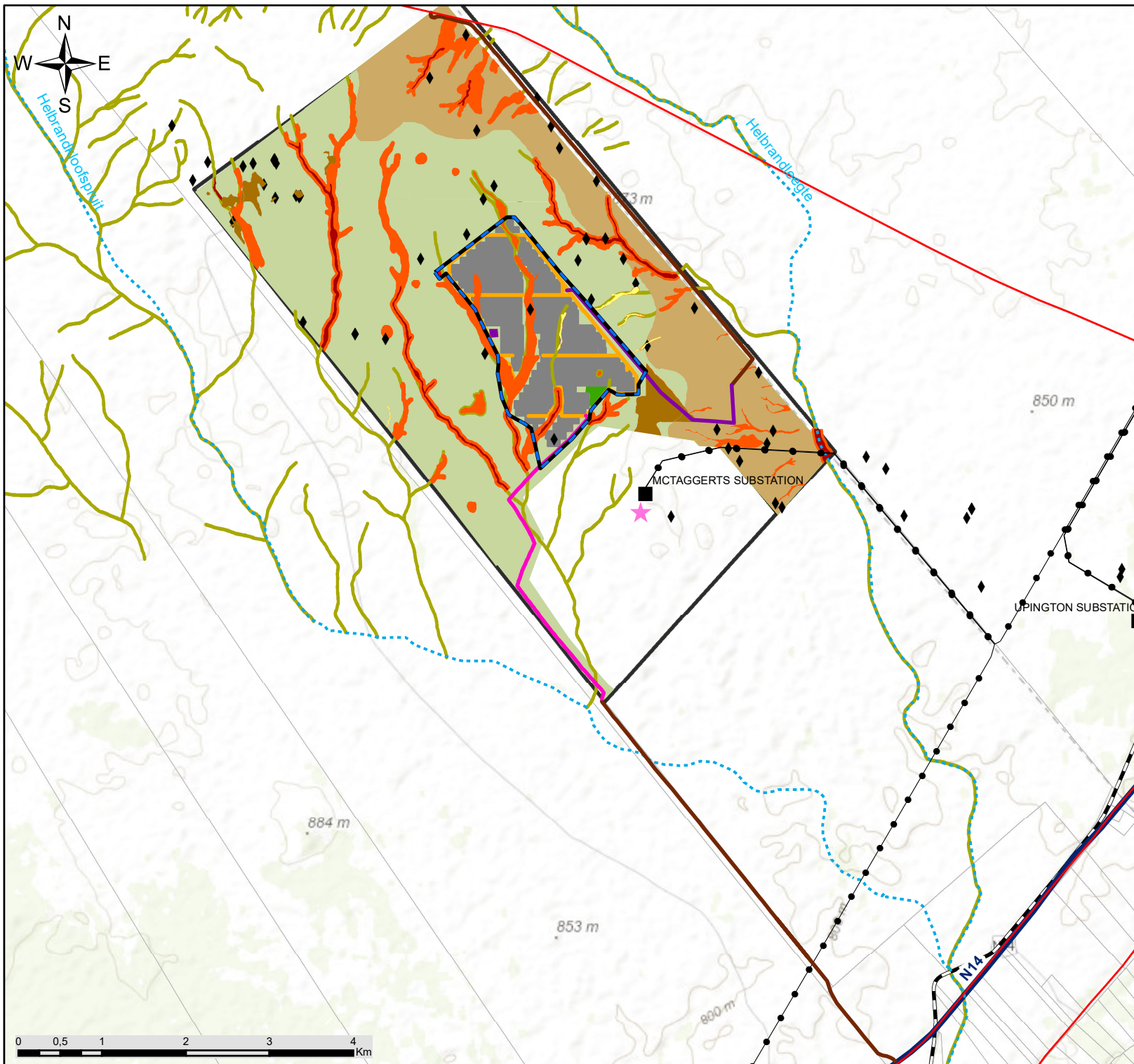
▭ Medium Sensitivity (Ecology)

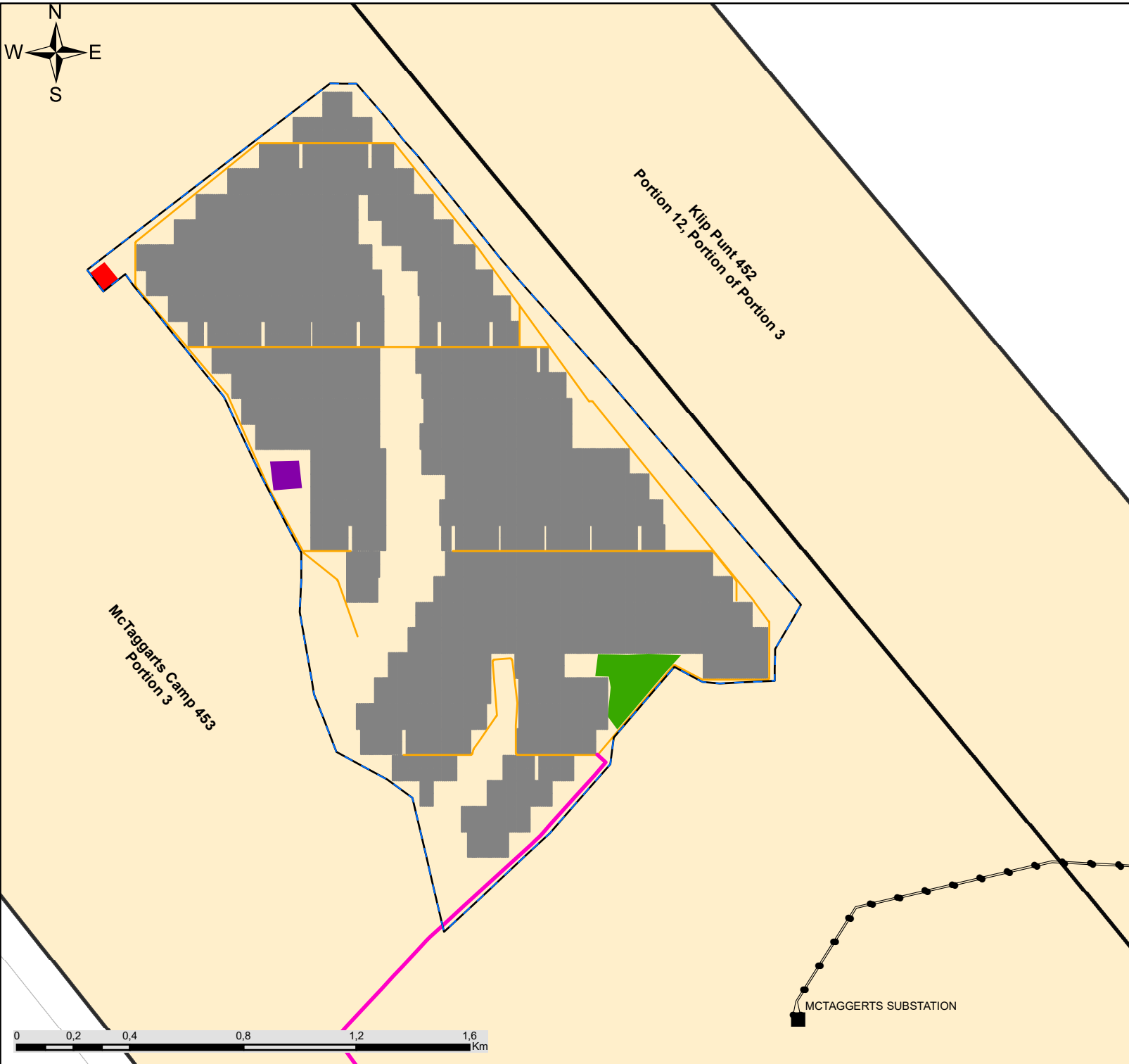
▭ No Sensitivity (Transformed)

◆ Low Sensitivity (Heritage)

Scale:
Projection: LO21 1:63 360
Ref: Naledi PV - Sensitivity and Layout Map 08.05.2020

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environmental





Naledi PV Northern Cape Province

Preferred Layout Map

Legend

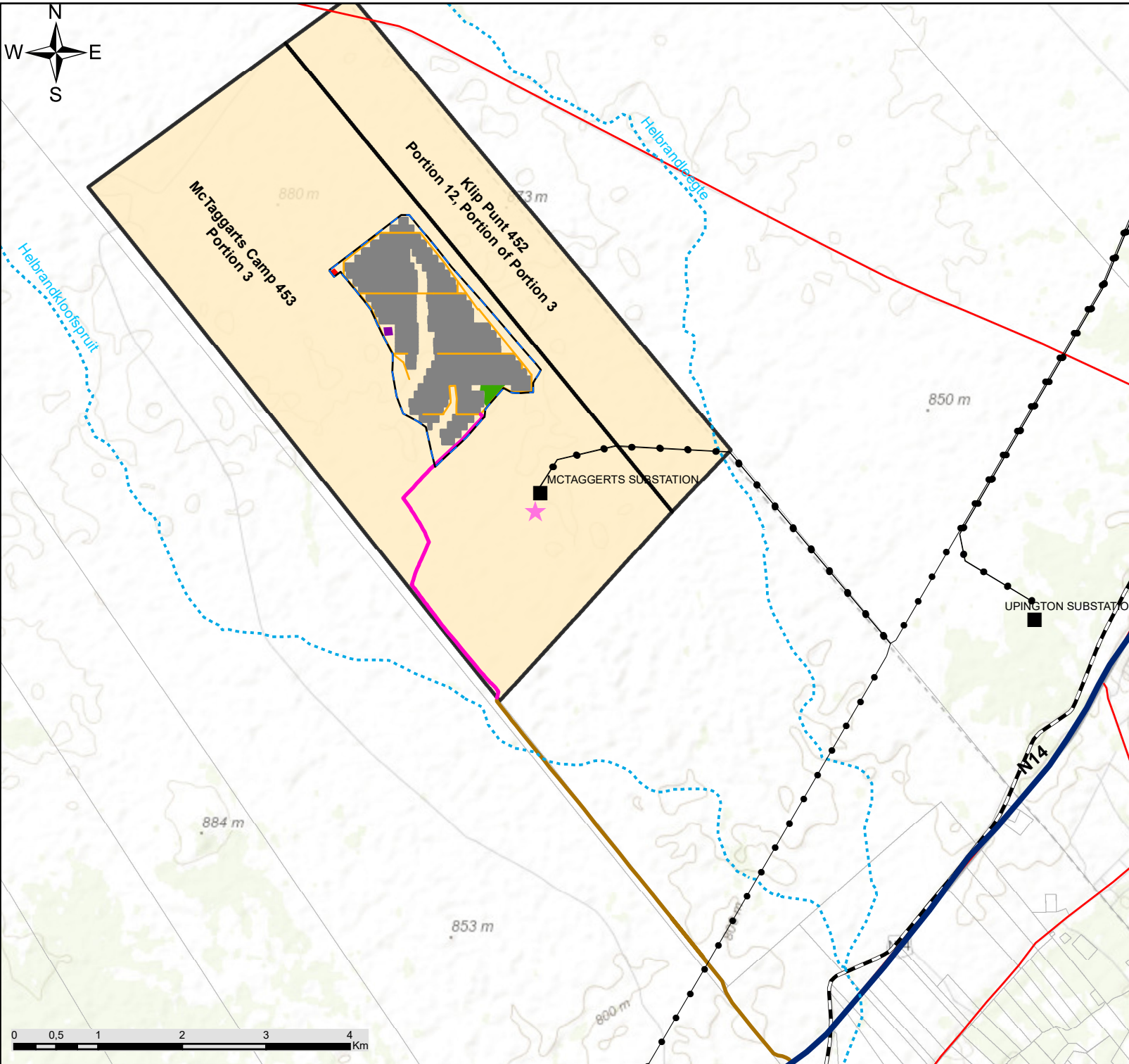
- Eskom Substations
 - Eskom power line
 - Study Area
- ### Layout
- Boundary Fence
 - Main Access Road Alternative 1
 - Internal Access Roads
 - Solar Panel Area
 - Laydown Area
 - On-Site Substation
 - O&M Building



Scale: 1:18 792
 Projection: LQ21
 Ref: Naledi PV - Preferred Layout Map 5.05.2020



MCTAGGERTS SUBSTATION



Naledi PV Northern Cape Province

Preferred Layout Map

Legend

- Khi Solar 1 CSP Facility (Existing)
 - Eskom Substations
 - Eskom power line
 - Main Road
 - National Route
 - Railway Line
 - Non-perennial River
 - Study Area
- ### Layout
- Boundary Fence
 - Main Access Road Alternative 1
 - Existing Road
 - Internal Access Roads
 - Solar Panel Area
 - Laydown Area
 - On-Site Substation
 - O&M Building

Scale: 1:63 360
 Projection: LO21
 Ref: Naledi PV - Preferred Layout Map 5.05.2020

