

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

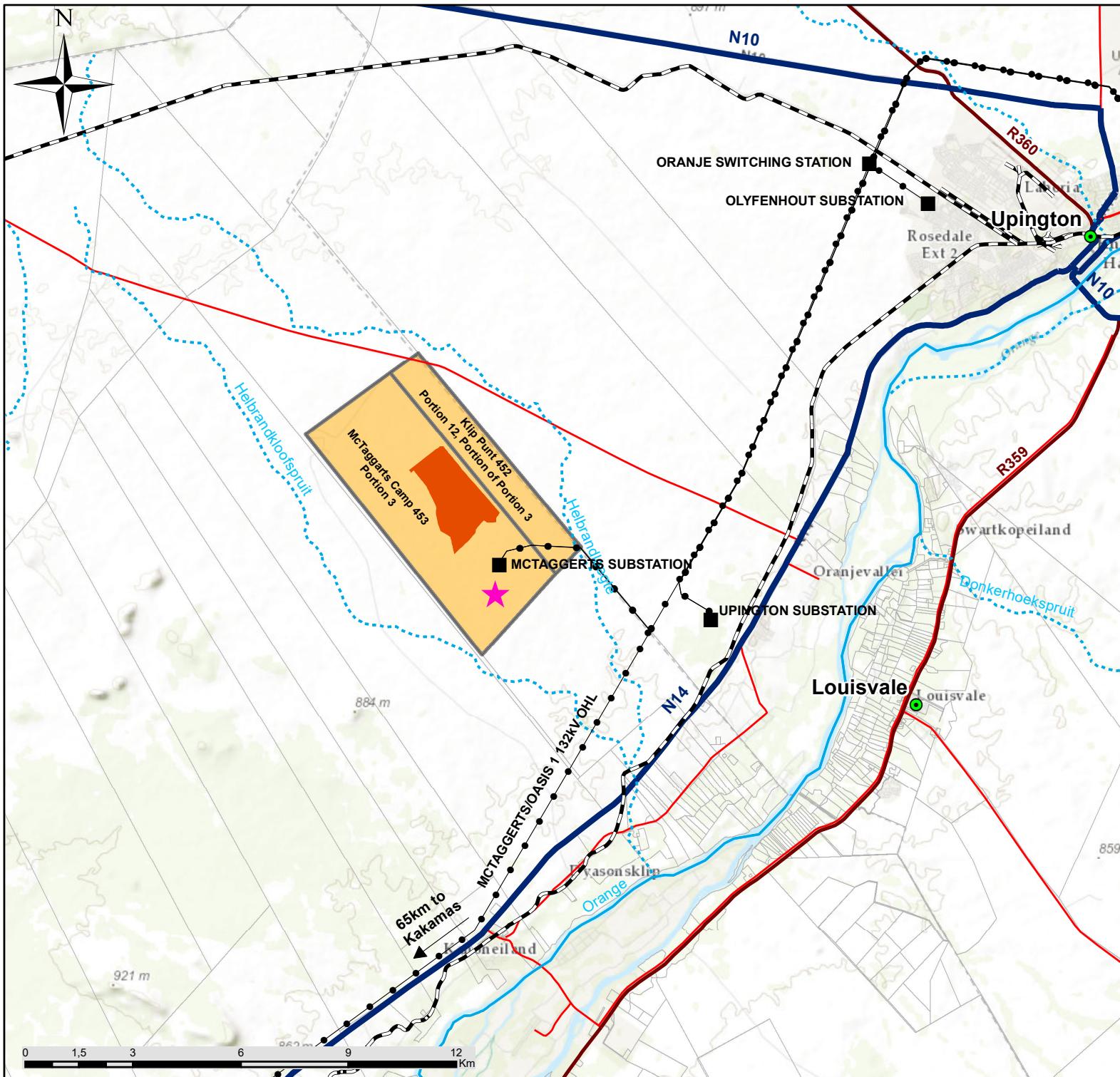
Locality Map

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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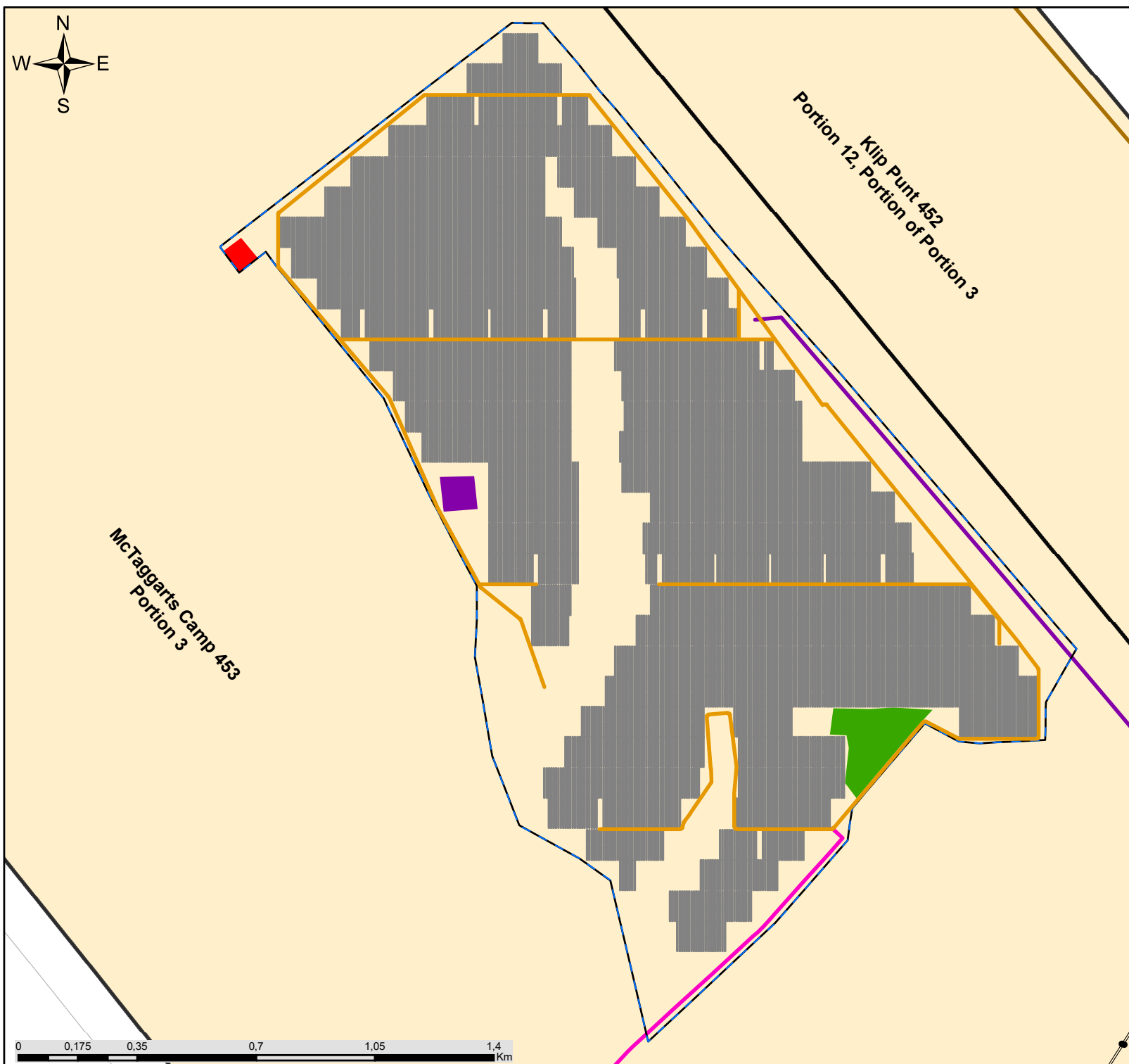


Naledi PV Northern Cape Province

Layout Map

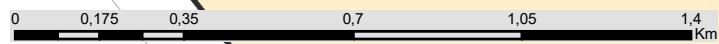
Layout

- 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

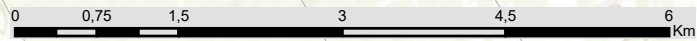
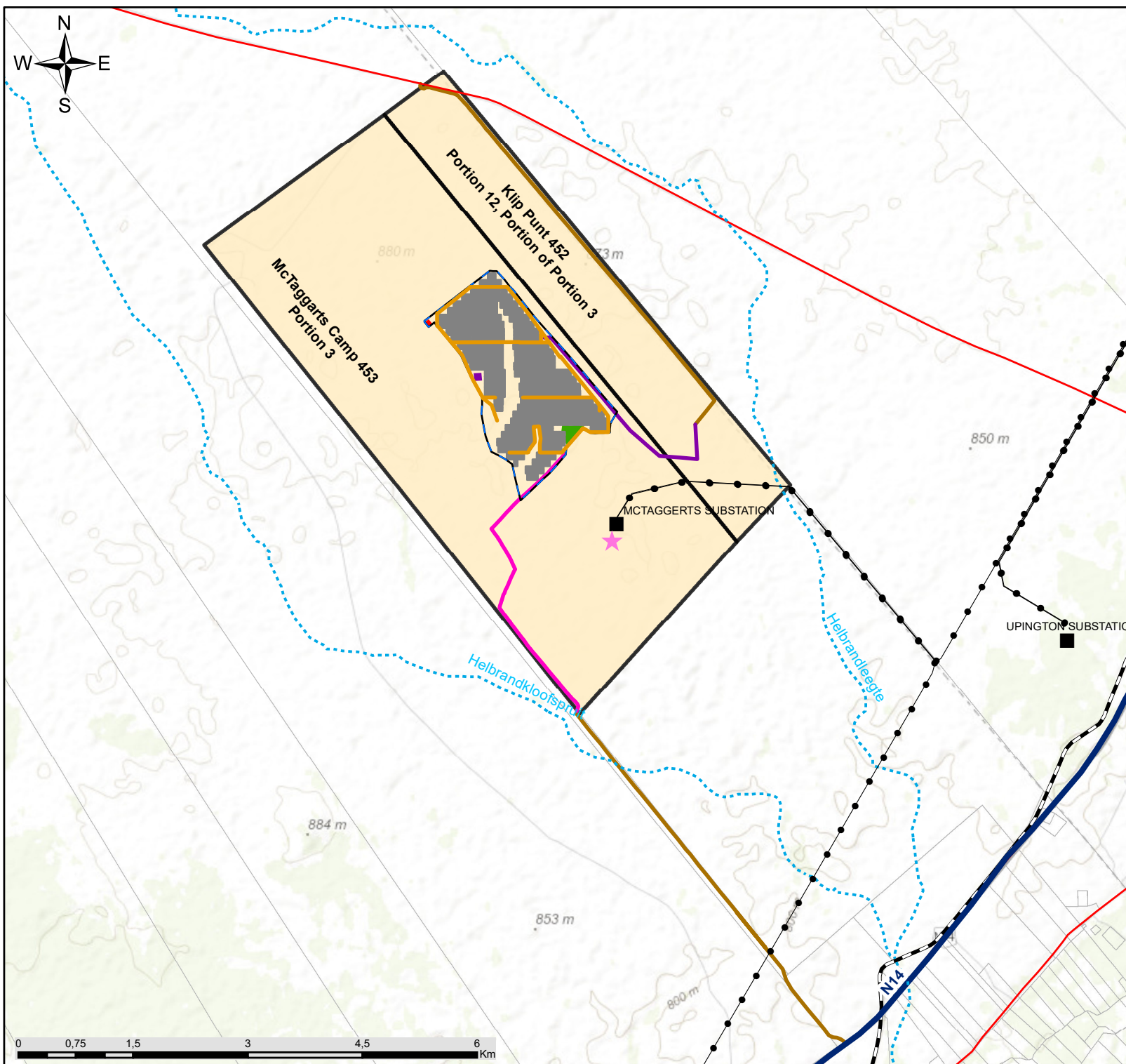
-  Khi Solar 1 CSP Facility (Existing)
-  Eskom Substations
-  Eskom power line
-  Non-perennial River
-  National Route
-  Regional Road
-  Main Road
-  Railway Line
-  Study Area
-  Farm Portions

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

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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)

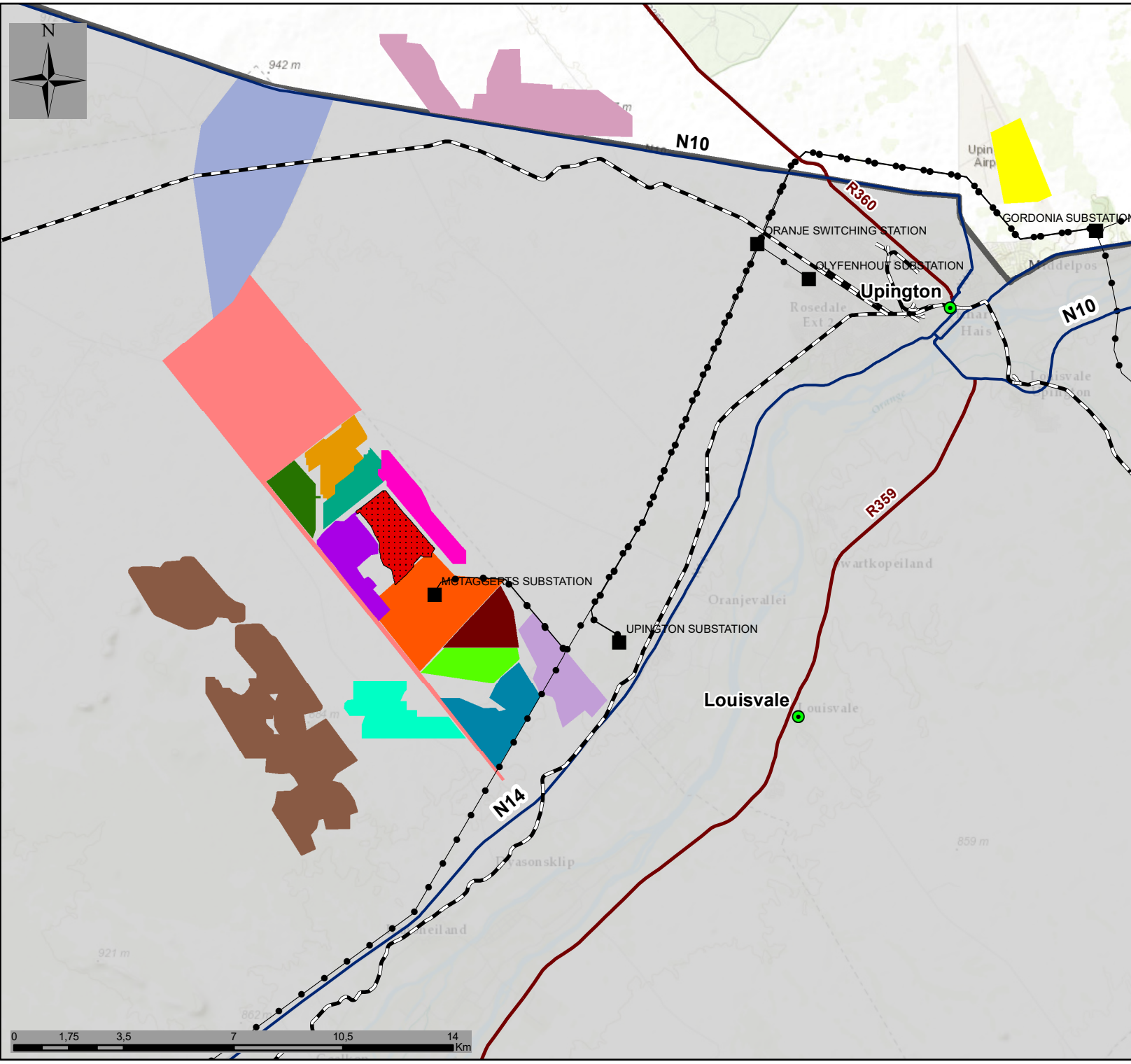
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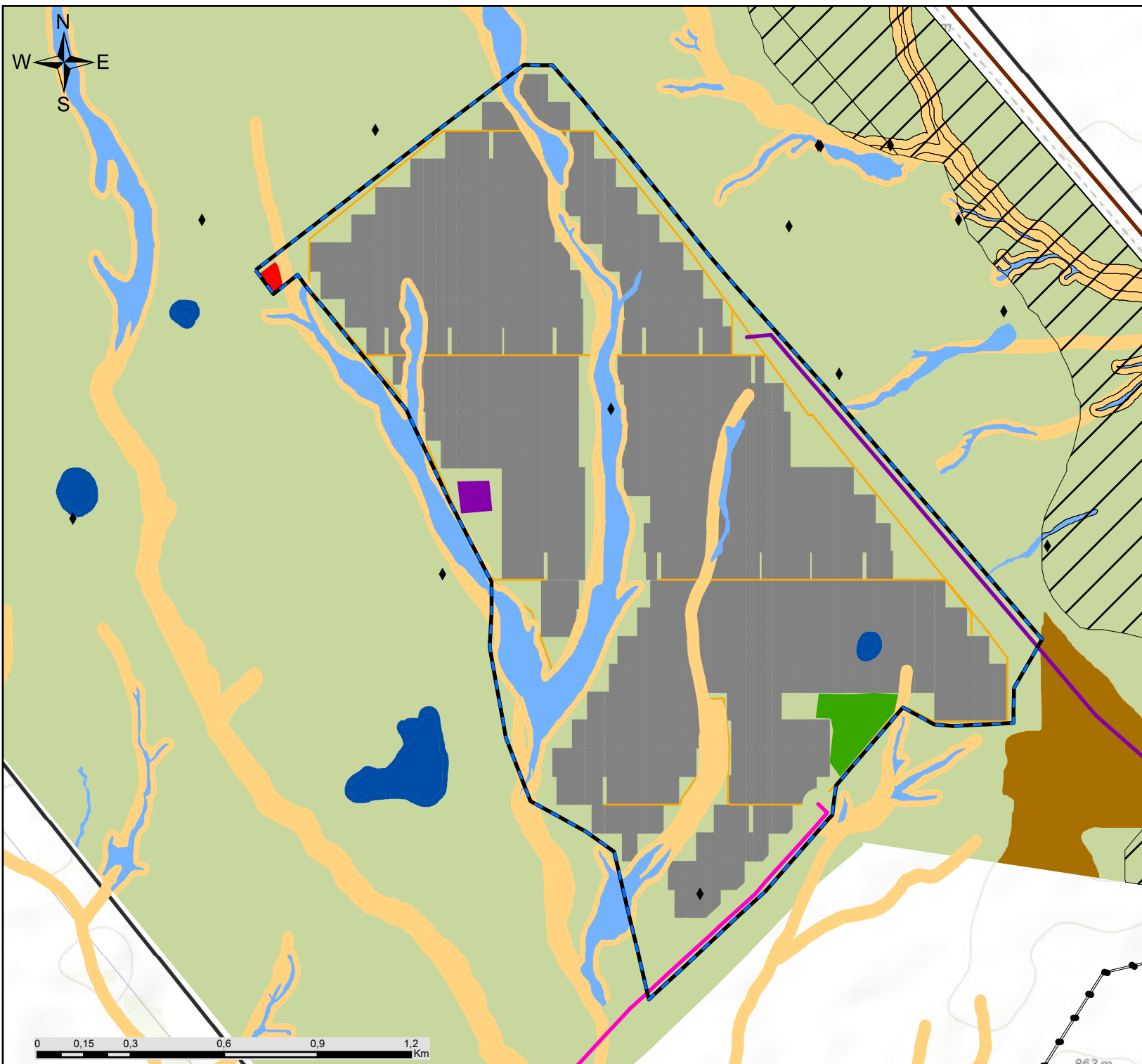
- Klip Punt PV1 (1 x 100MW PV)
- Sirius Solar PV Two (1 x 75MW PV)
- Sirius Solar PV Three (1 x 100MW PV)
- Sirius Solar PV Four (1 x 100MW PV)
- McTaggarts PV1 (1x 75MW PV)
- McTaggarts PV2 (1x 75MW PV)
- McTaggarts PV3 (1x 75MW PV)
- Allepad PV (4 x 100MW)
- Rooipunt CSP (1 x 150MW CSP)
- Bloemsmond 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

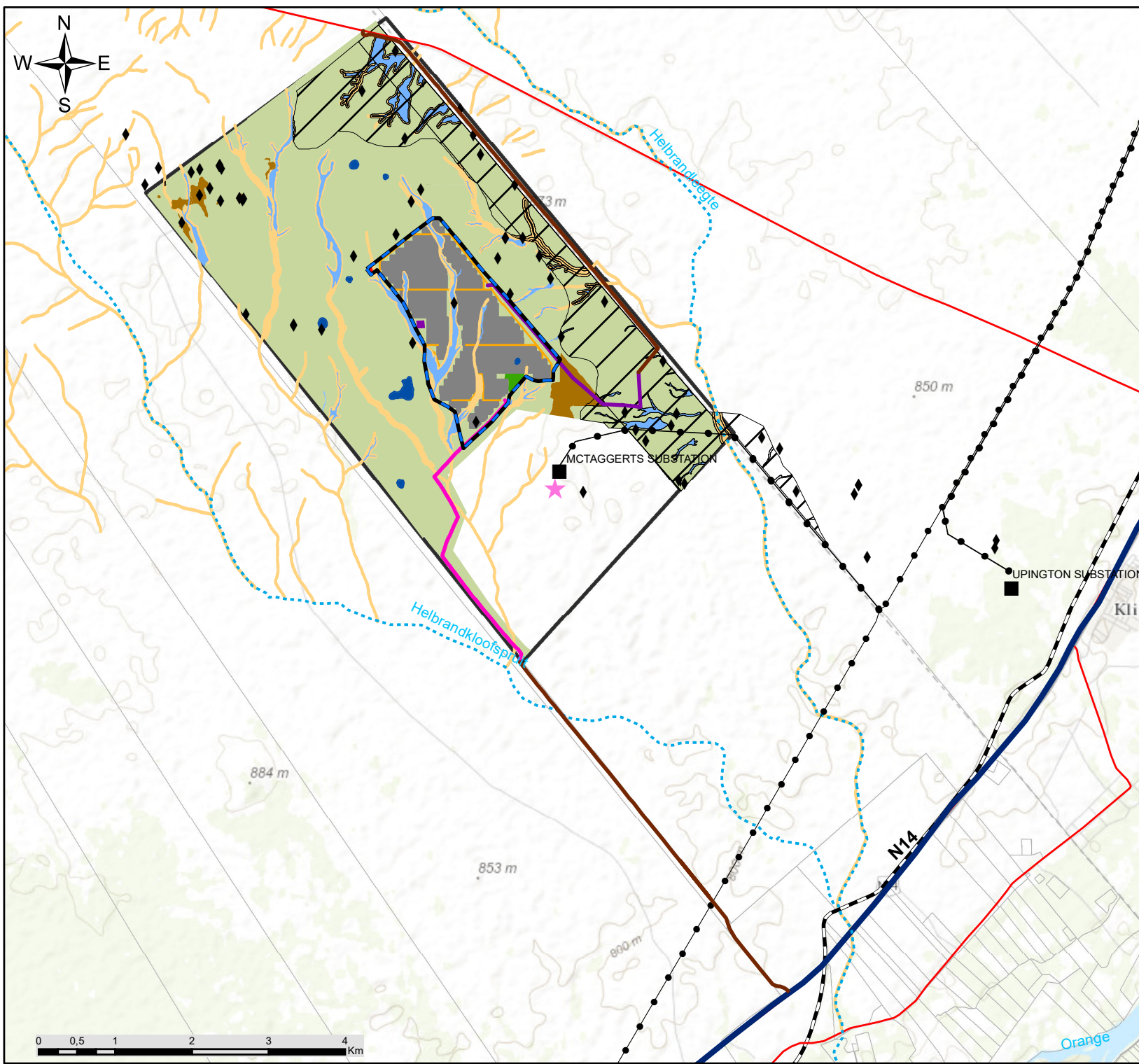
Legend

- 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

Northern Cape
Free State
Western Cape
Eastern Cape

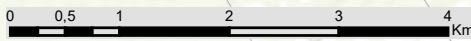
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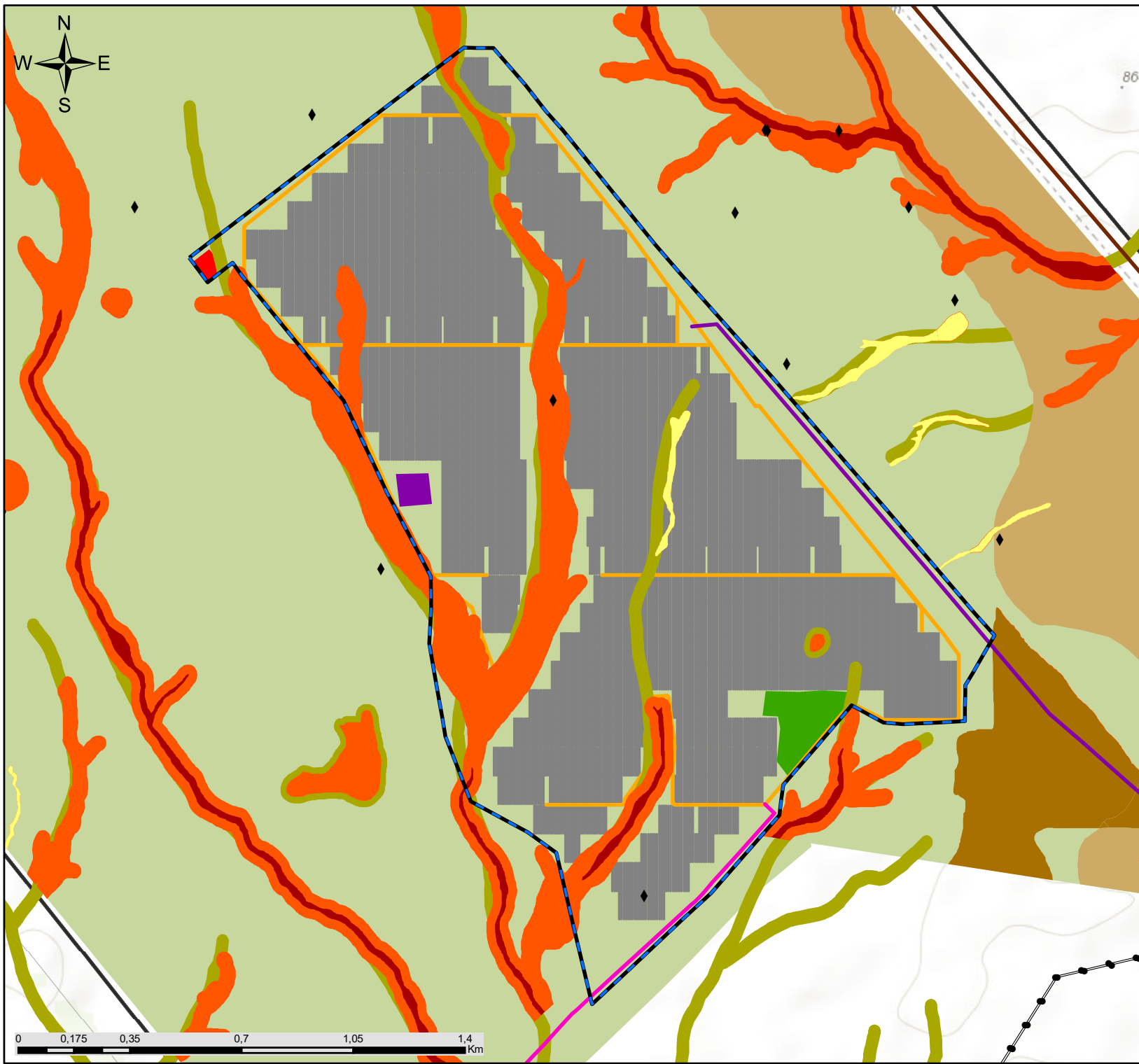
Naledi PV Northern Cape Province

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
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 - Solar Panel Area
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- 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



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)

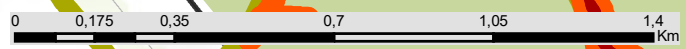
■ Medium Sensitivity (Avifauna)

■ Medium Sensitivity (Ecology)

■ No Sensitivity (Transformed)

◆ Low Sensitivity (Heritage)

Scale:
Projection: LO21 1:16 590
Ref: Naledi PV - Sensitivity and Layout Map 08.05.2020



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)

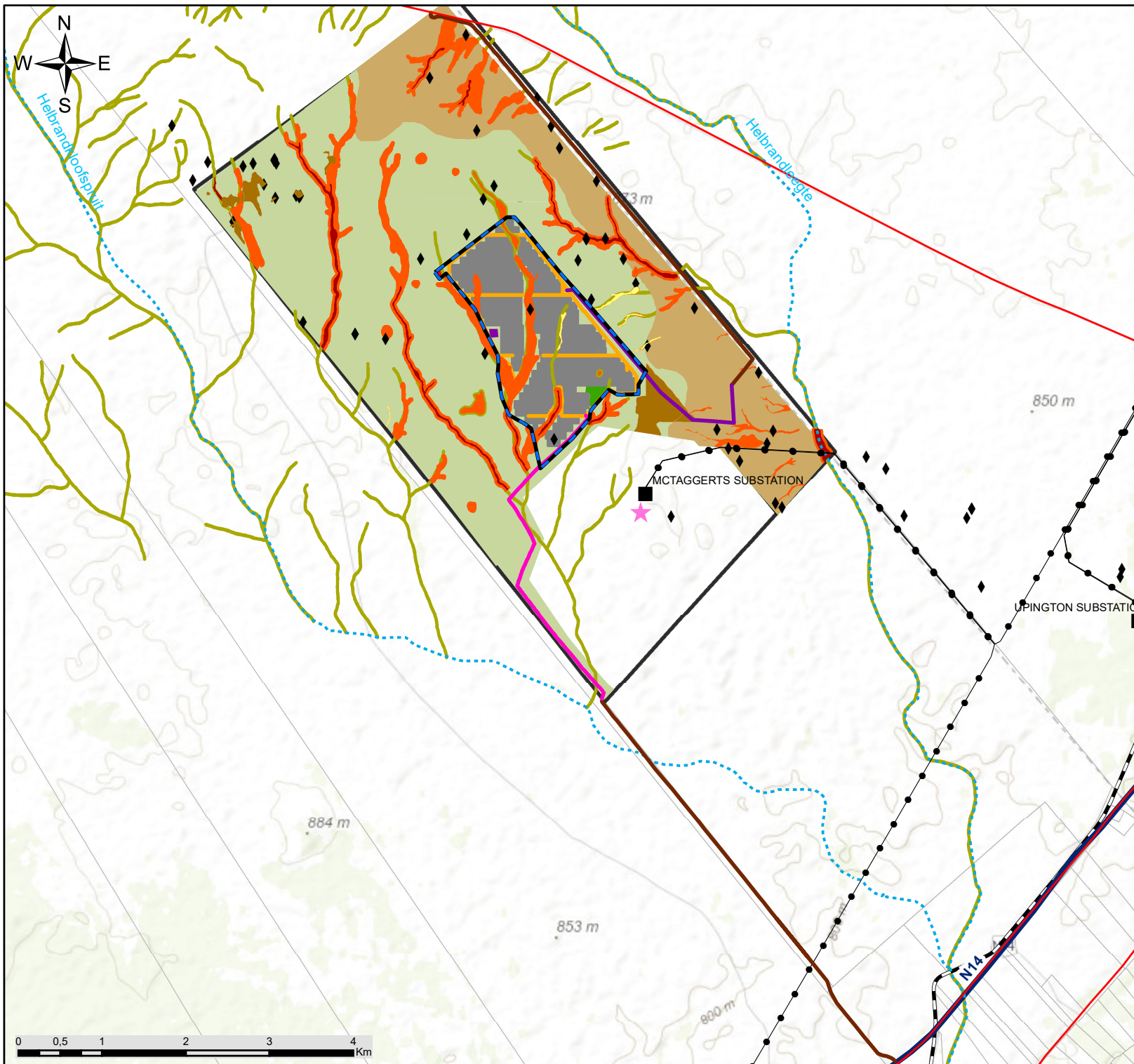
▭ Medium Sensitivity (Ecology)

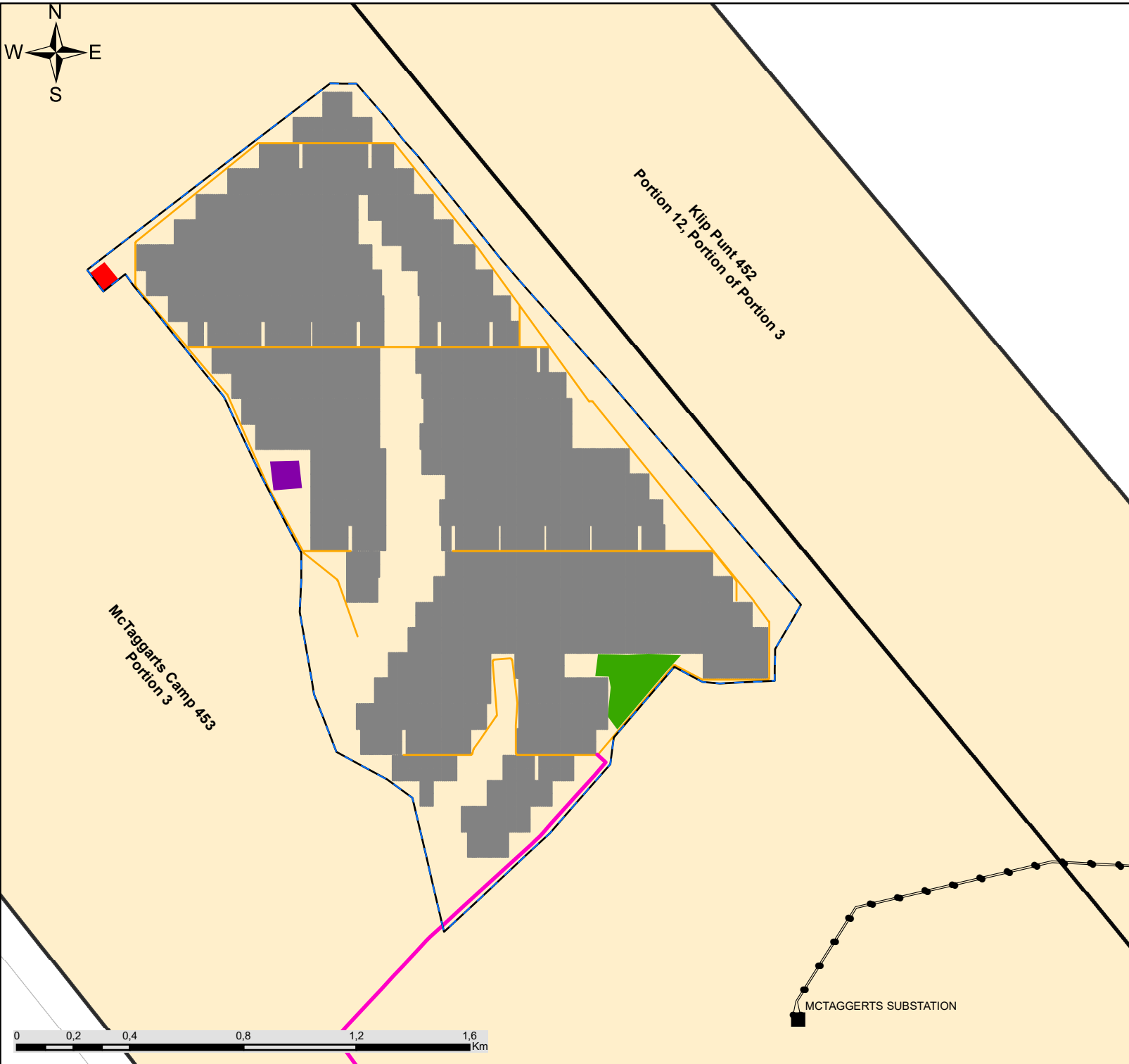
▭ No Sensitivity (Transformed)

◆ Low Sensitivity (Heritage)

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

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Naledi PV Northern Cape Province

Preferred Layout Map

Legend

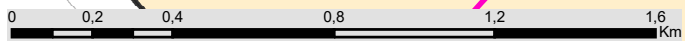
- Eskom Substations
 - Eskom power line
 - Study Area
- ### Layout
- Boundary Fence
 - Main Access Road Alternative 1
 - Internal Access Roads
 - Solar Panel Area
 - Laydown Area
 - On-Site Substation
 - O&M Building

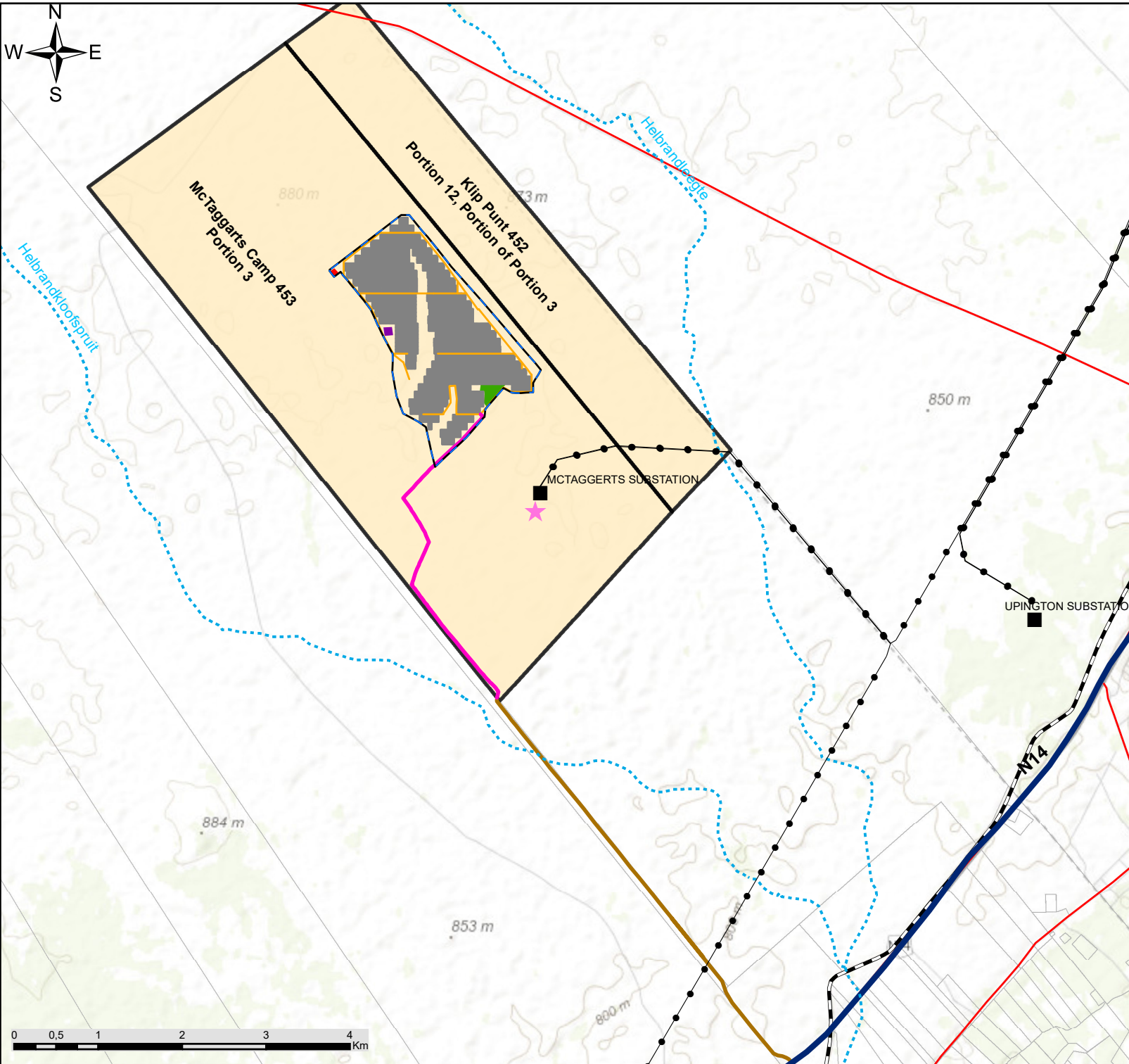


Scale: 1:18 792
 Projection: LQ21
 Ref: Naledi PV - Preferred Layout Map 5.05.2020



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: LQ21
 Ref: Naledi PV - Preferred Layout Map 5.05.2020

