

Development Area Coordinates

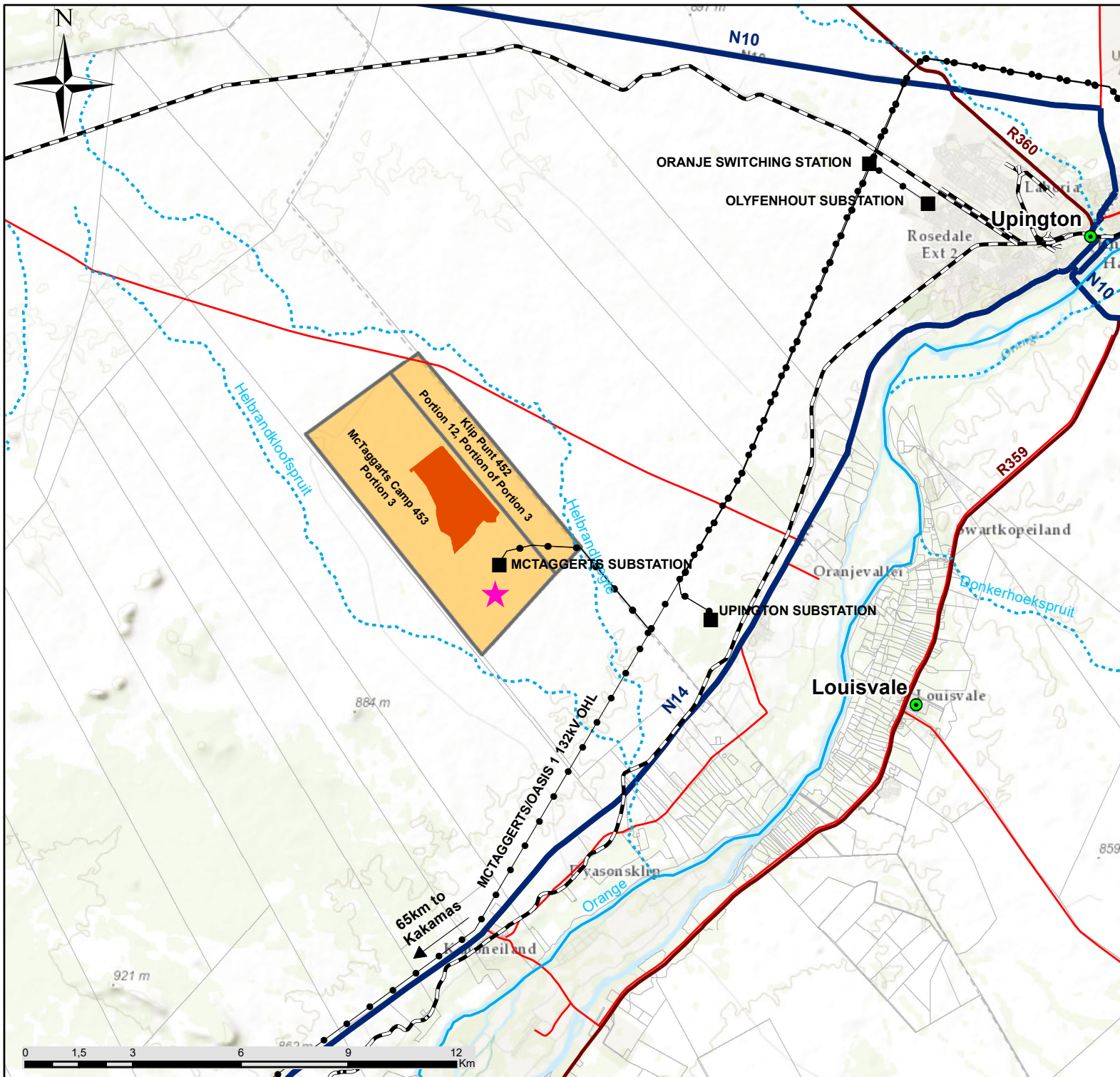
	<b>Latitude</b>	<b>Longitude</b>
<b>01</b>	28°31'57.85"S	21° 3'55.18"E
<b>02</b>	28°31'38.67"S	21° 4'16.90"E
<b>03</b>	28°31'35.59"S	21° 4'17.29"E
<b>04</b>	28°31'27.51"S	21° 4'25.17"E
<b>05</b>	28°31'29.24"S	21° 4'28.91"E
<b>06</b>	28°31'29.41"S	21° 4'31.18"E
<b>07</b>	28°31'29.06"S	21° 4'38.22"E
<b>08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



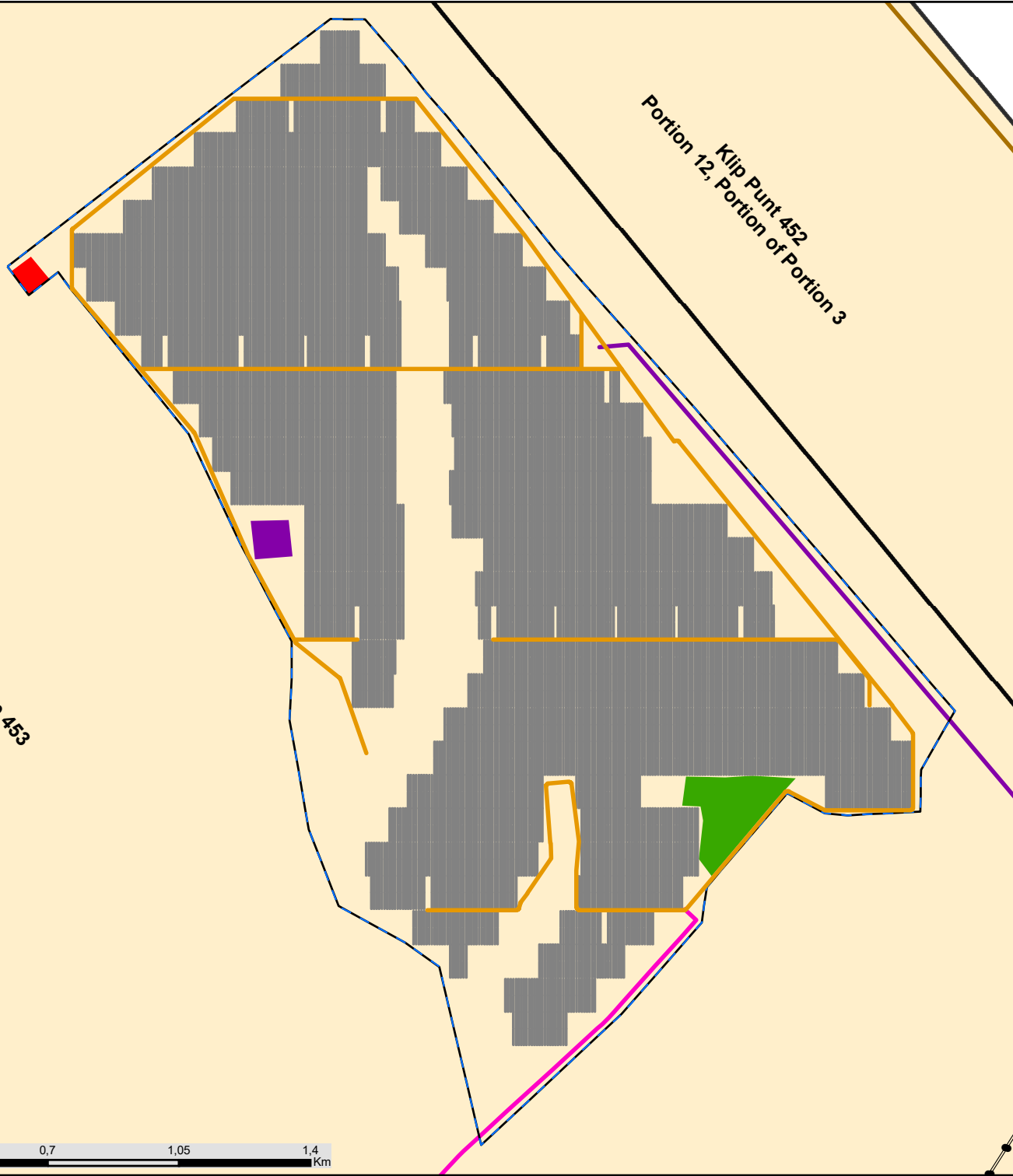


# Naledi PV Northern Cape Province

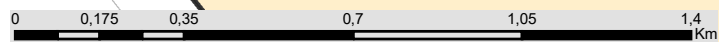
## Layout Map

### 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





















# Naledi PV Northern Cape Province

## Layout Map

### Legend

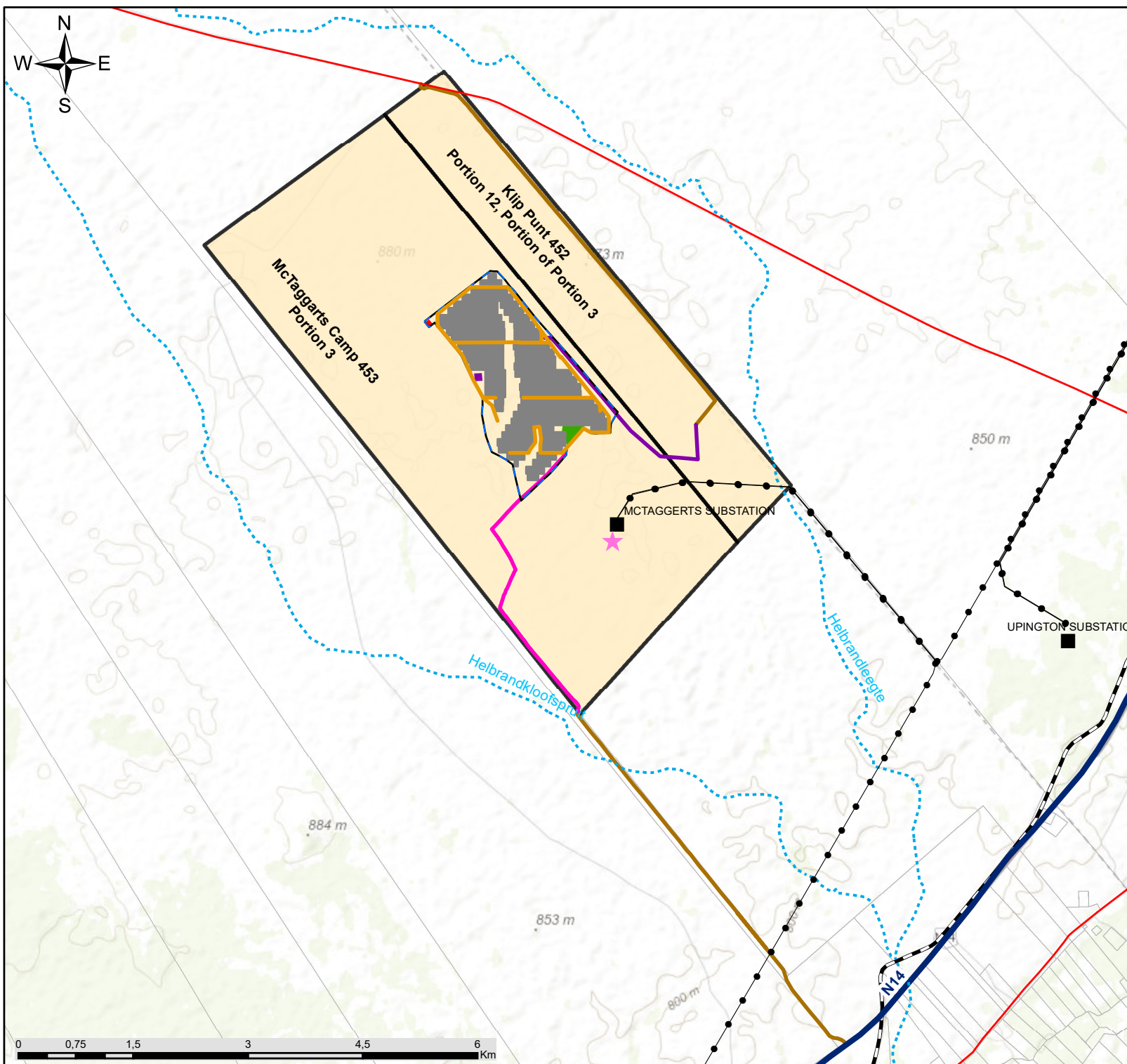
-  Khi Solar 1 CSP Facility (Existing)
-  Eskom Substations
-  Eskom power line
-  Non-perennial River
-  National Route
-  Regional Road
-  Main Road
-  Railway Line
-  Study Area
-  Farm Portions

### 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

savannah  
 environmental







# 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)

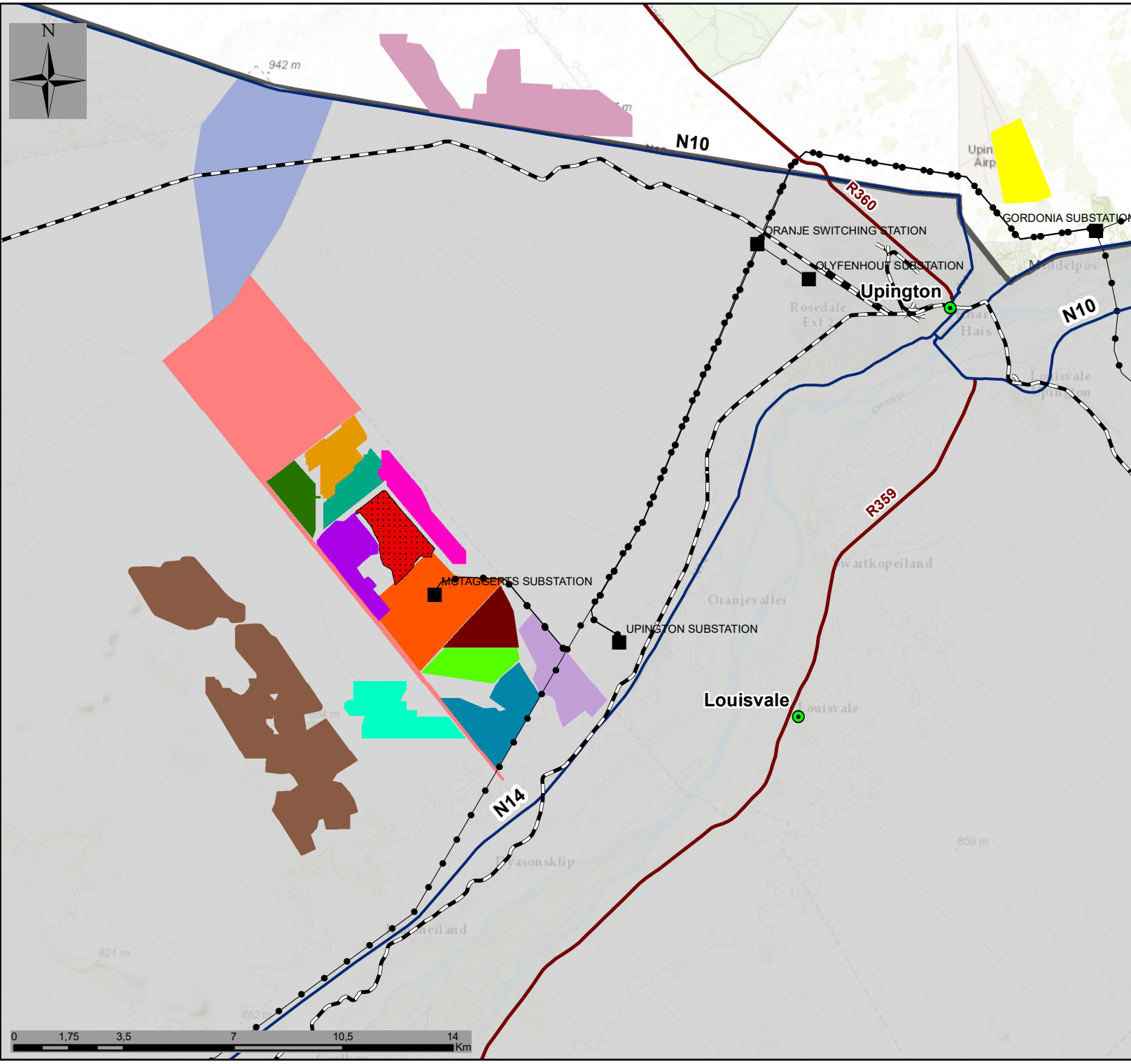
### Authorised:

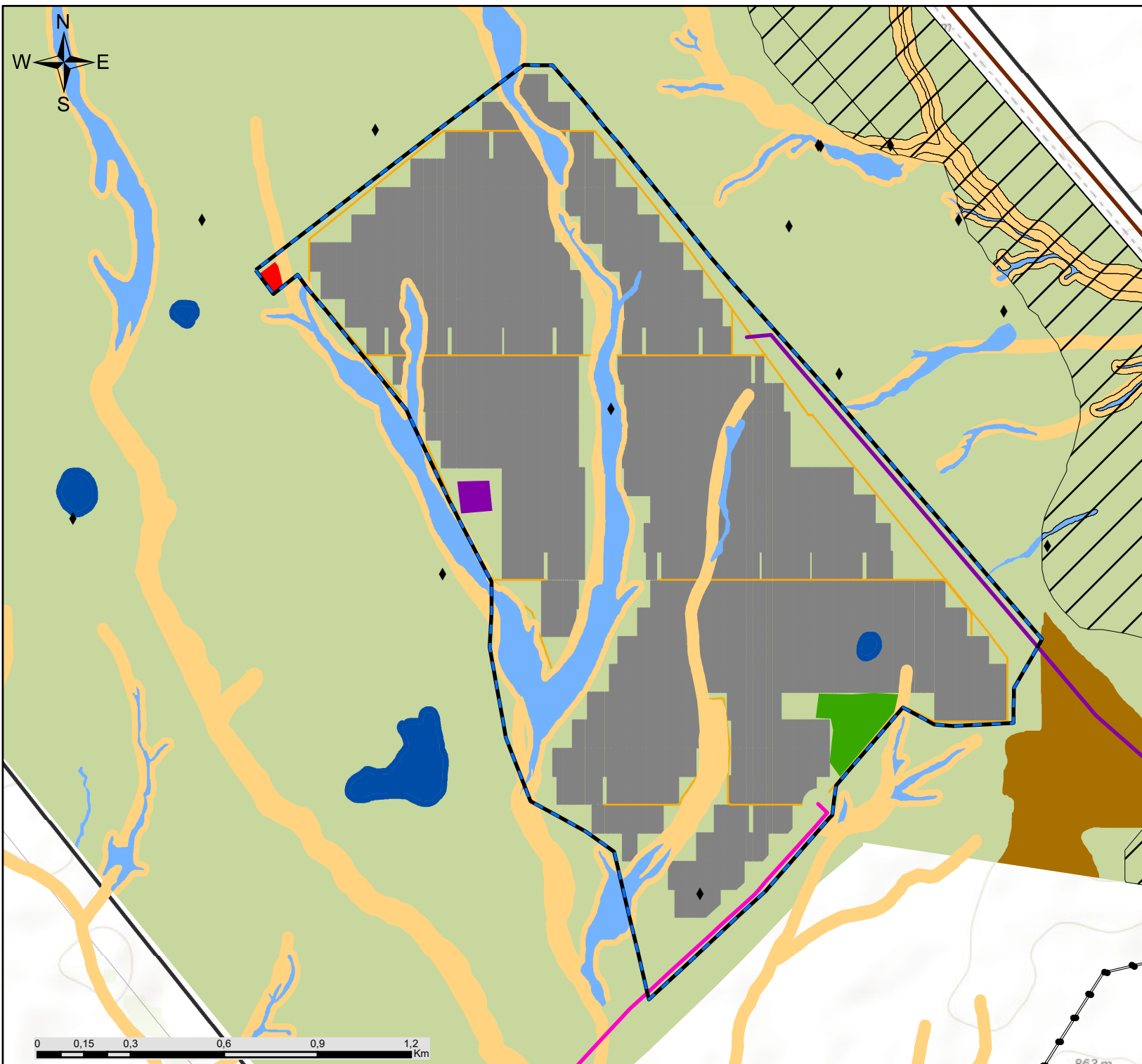
- Klip Punt PV1 (1 x 100MW PV)
- Sirius Solar PV Two (1 x 75MW PV)
- Sirius Solar PV Three (1 x 100MW PV)
- Sirius Solar PV Four (1 x 100MW PV)
- McTaggarts PV1 (1x 75MW PV)
- McTaggarts PV2 (1x 75MW PV)
- McTaggarts PV3 (1x 75MW PV)
- Allepad PV (4 x 100MW)
- Rooipunt CSP (1 x 150MW CSP)
- Bloemsmond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





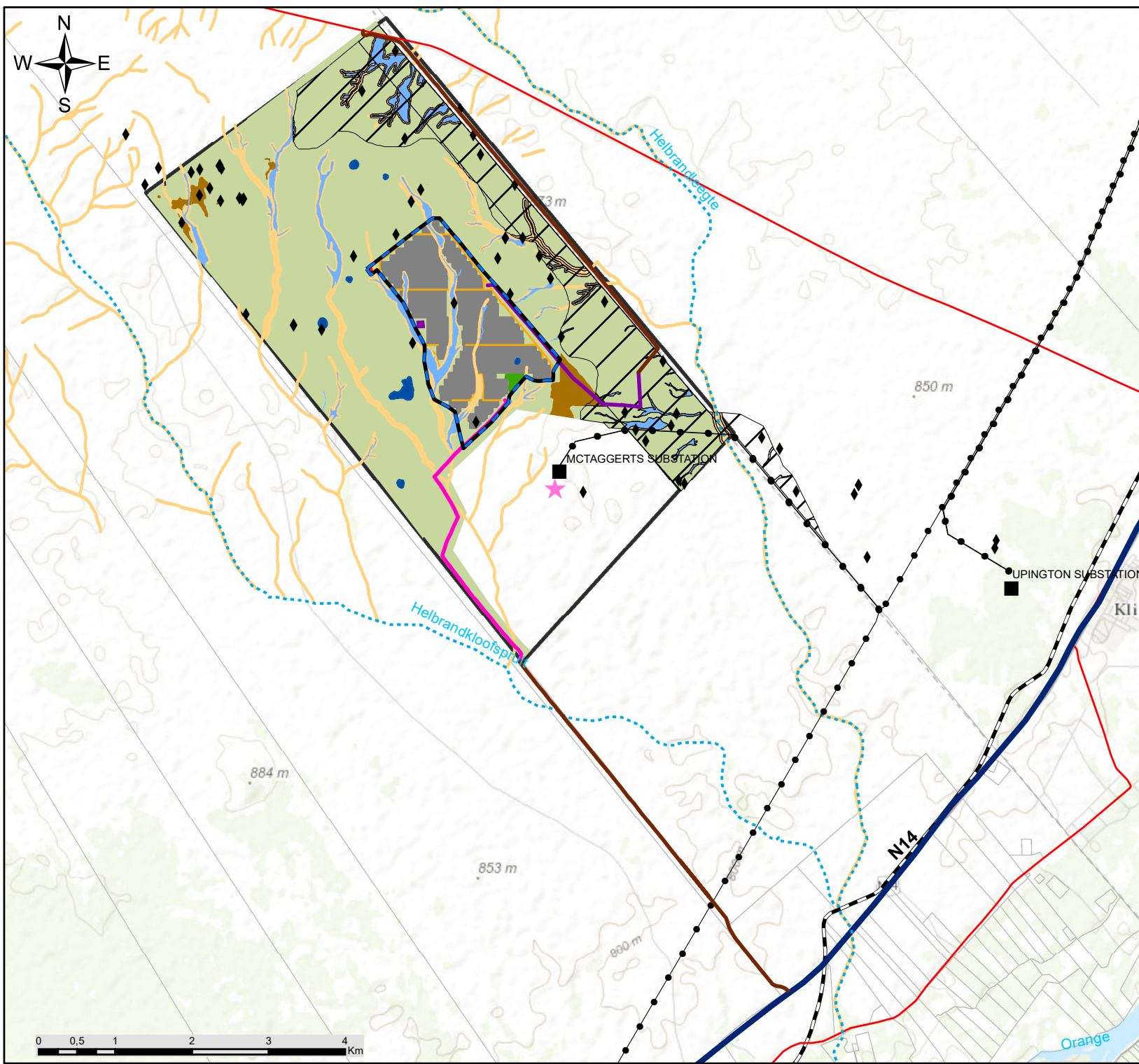
# Naledi PV Northern Cape Province

## 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



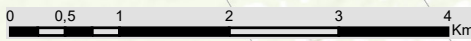
# Naledi PV Northern Cape Province

## Environmental Feature and Layout Map

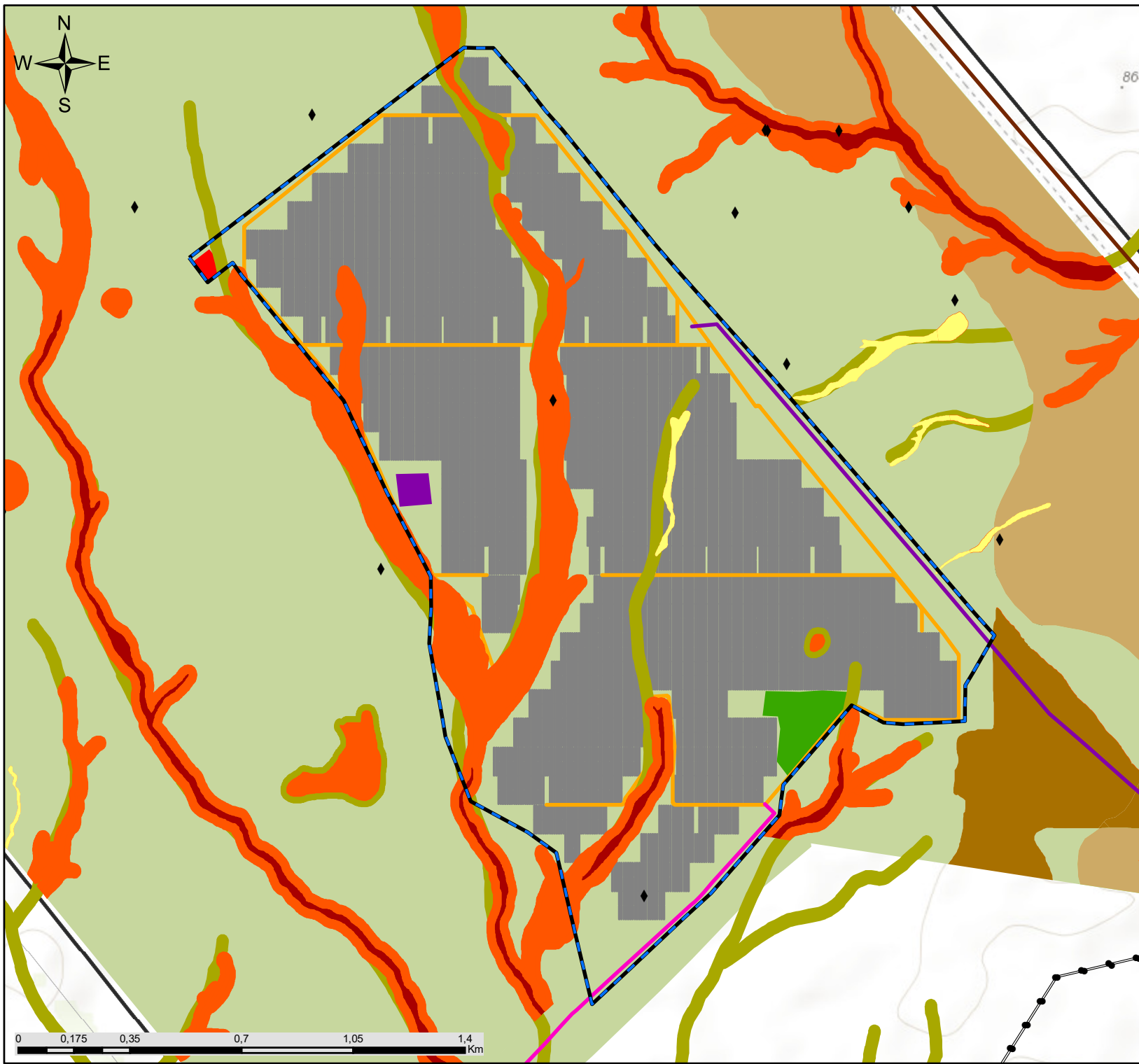
- Legend**
- ★ Khi Solar 1 CSP Facility (Existing)
  - Eskom Substations
  - Eskom Power Line
  - ⋯ Non-perennial River
  - ▬ National Route
  - ▬ Main Road
  - ▬ Railway Line
  - ▭ Study Area
- Layout**
- ▬ Existing Road
  - ▬ Boundary Fence
  - ▬ Main Access Road Alternative 1
  - ▬ Main Access Road 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

Free State  
Northern Cape  
Western Cape  
Eastern Cape







# 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)

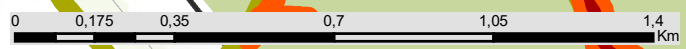
■ Medium Sensitivity (Avifauna)

■ 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)

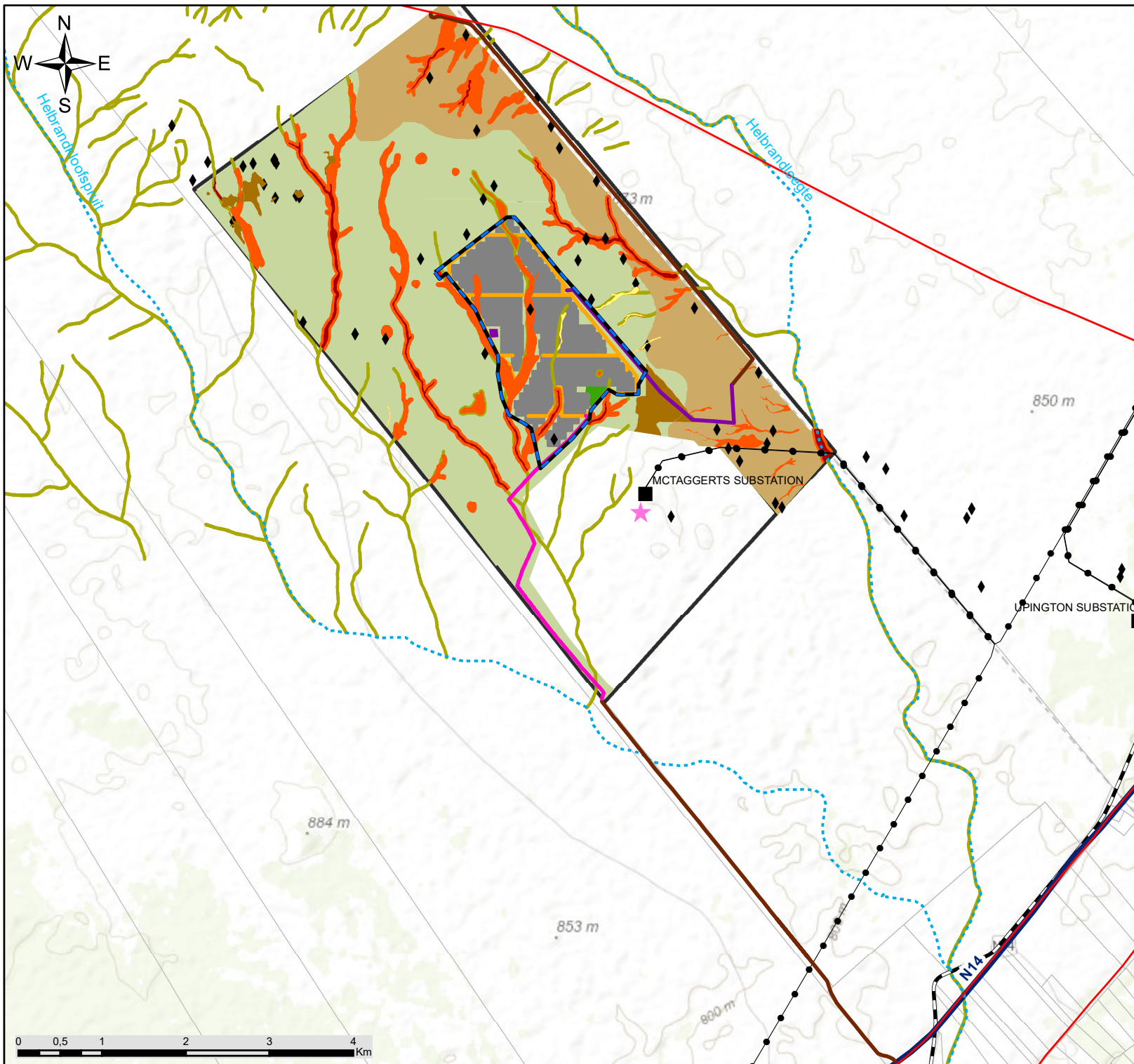
▭ Medium Sensitivity (Ecology)

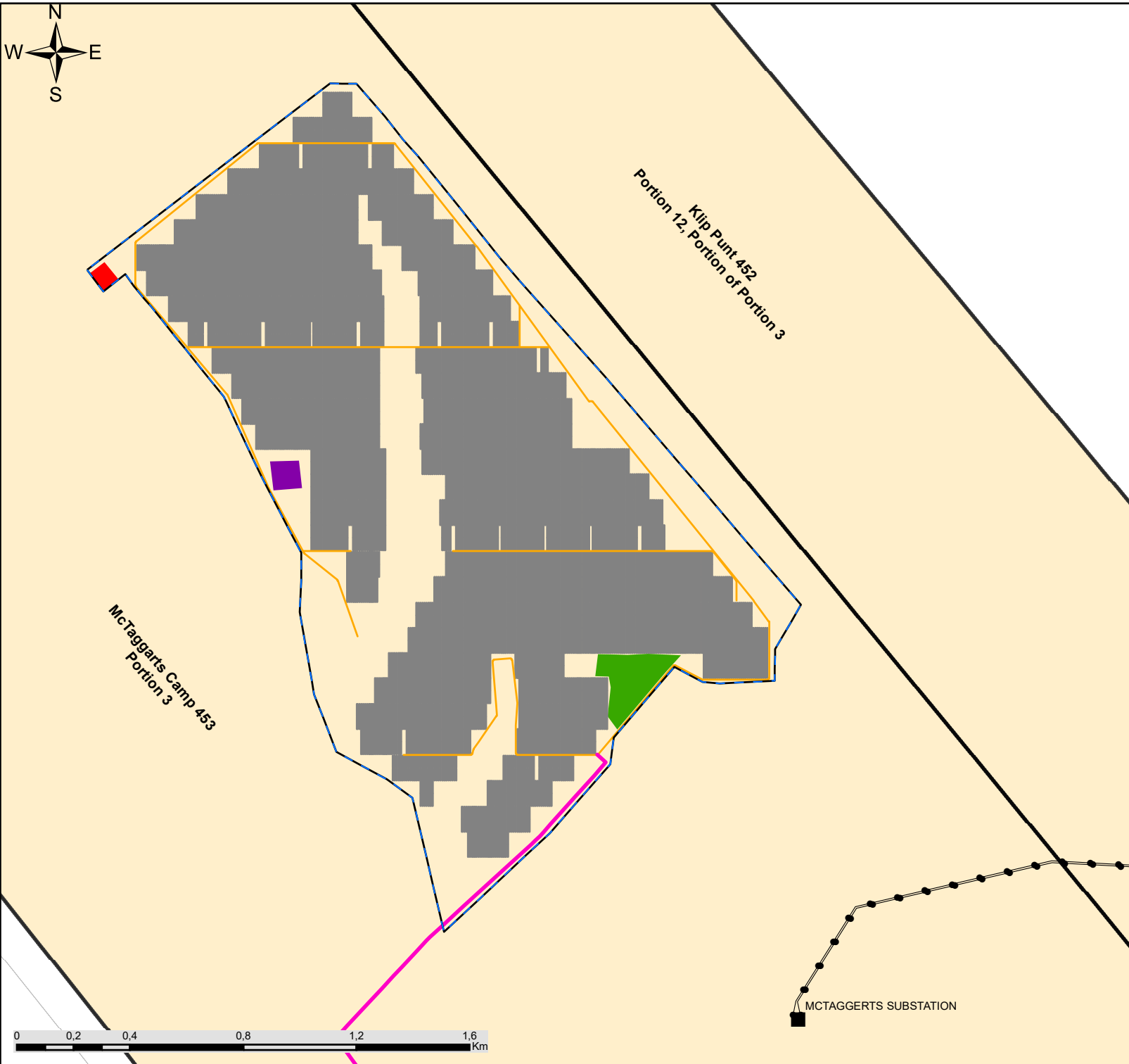
▭ No Sensitivity (Transformed)

◆ Low Sensitivity (Heritage)

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

savannah  
environmental





# Naledi PV Northern Cape Province

## Preferred Layout Map

### Legend

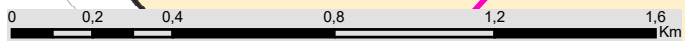
- Eskom Substations
  - Eskom power line
  - Study Area
- ### Layout
- Boundary Fence
  - Main Access Road Aternative 1
  - Internal Access Roads
  - Solar Panel Area
  - Laydown Area
  - On-Site Substation
  - O&M Building

savannah  
environmental

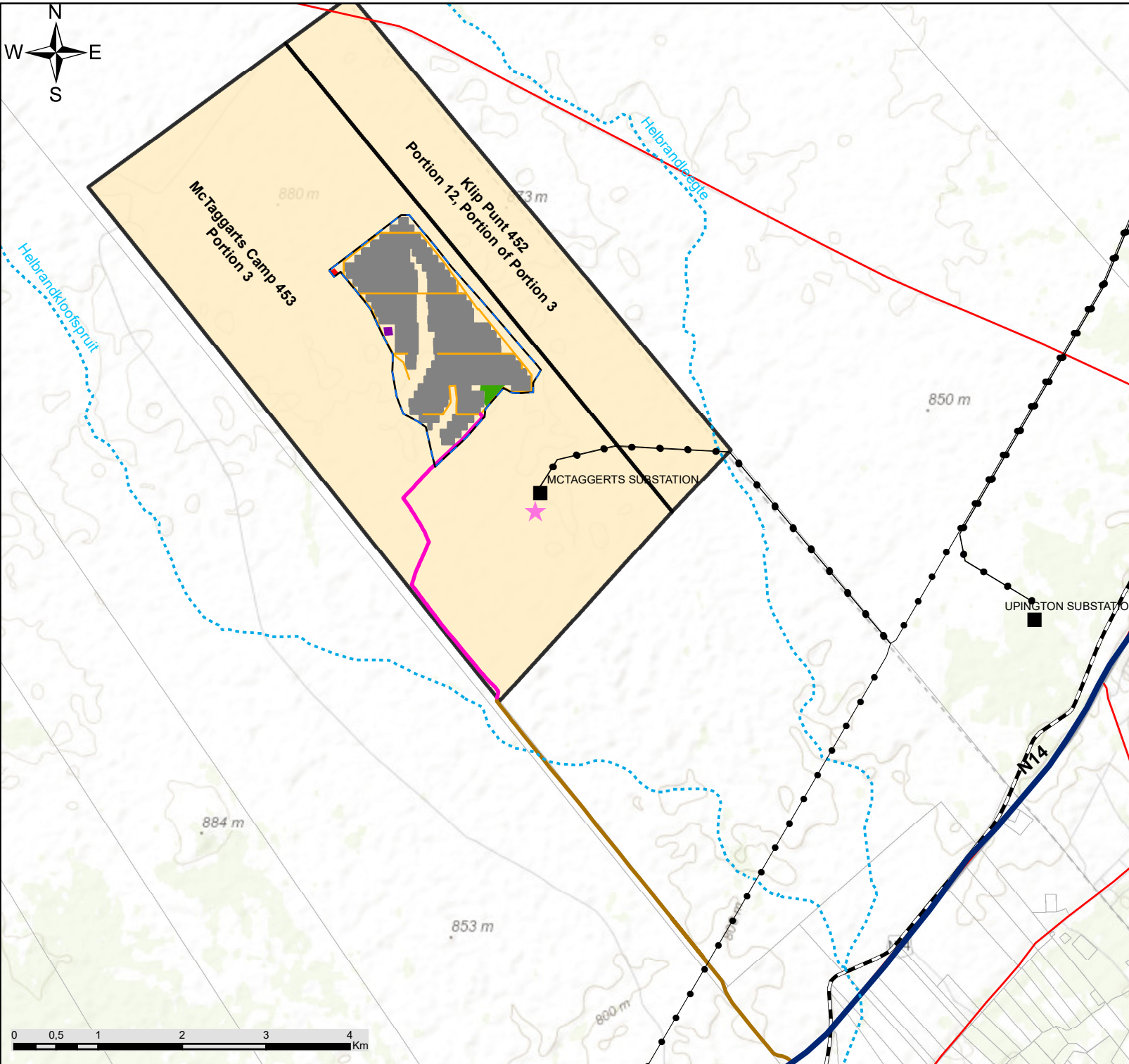
Scale: 1:18 792  
Projection: LQ21  
Ref: Naledi PV - Preferred Layout Map 5.05.2020



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

