

**BIO THERM ENERGY  
(PTY) LTD**  
SENSITIVITY MAP  
LETSOAI CSP1

**Legend**

- Letsoai Substations
- Homesteads
- Letsoai Ridgelines
- Heritage Sensitivities
- Gamsberg Inselberg
- Letsoai Site 1
- Letsoai Enamandla Boundaries
- Homesteads Buffer 400m
- Loop10Rd Buffer 500m
- N14 Buffer 3km
- Letsoai Substations Footprints

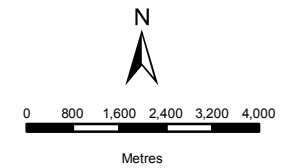
**Biodiversity**

- Medium Low Sensitivity
- Medium Sensitivity
- Medium High Sensitivity
- High Sensitivity
- Very High Sensitivity

**Layout**

- CSP-TH1
- Option 1**
- SS3-SS1
- Option 2**
- SS3 - OuterSS
- Option 3**
- SS3 - SS1

Label	X	Y
A	18.855134	-29.368008
B	18.889832	-29.35948
C	18.886767	-29.398156
D	18.857341	-29.401557



DATA SOURCE:  
CHIEF DIRECTORATE: NATIONAL GEO-  
SPATIAL INFORMATION

PROJECTION: WGS 19 HARTEBESHOEK 94  
PROJECT TITLE: WIND AND SOLAR RENEWABLES

PROJECT NO: 47579  
SCALE: 1:130,000 AT A4      DATE: 24/11/2016  
DRAWN BY: SABELO DUBE      FIGURE NO:  
REVIEWED BY: ASHLEA STRONG



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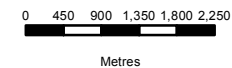
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**BIO THERM ENERGY  
(PTY) LTD**  
LETSOAI CSP1

**Legend**

- Development
- Letsoai CSP 1
- CSP-TH1
- Option 1**
- SS3-SS1
- Option 2**
- SS3 - OuterSS
- Option 3**
- SS3 - SS1



DATA SOURCE:  
SOUTH AFRICAN DEPARTMENT OF RURAL  
DEVELOPMENT AND LAND REFORM -  
CHIEF DIRECTORATE: NATIONAL GEO-SPATIAL  
INFORMATION

PROJECTION: WGS 19 HARTEBESHOEK 94

PROJECT TITLE:  
WIND AND SOLAR RENEWABLES

PROJECT NO: 47579

SCALE: 1:90,000 AT A4      DATE: 2016/11/22

DRAWN BY: SABELO DUBE      FIGURE NO:

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**BIO THERM ENERGY (PTY) LTD**  
**LAYOUT MAP**  
 LETSOAI CSP1

**Legend**

- Eskom Powelines
- Rivers
- Letsoai Ridgelines
- Heritage Sensitivities
- Gamsberg Inselberg
- Letsoai Site 1
- Letsoai Enamandla Boundaries
- NFEPA Wetlands

**CBA Terrestrial**

**CBA Type**

- ESA\_T
- T1
- T2

**Protected Vegetation**

- Kamiesberg Bushmanland Augrabies

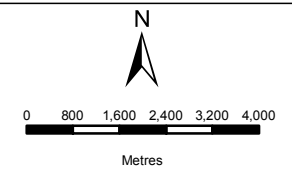
**Vegetation**

**Levels of Protection**

- Least threatened

- Layout**
- CSP-TH1
- Option 1**
- SS3-SS1
- Option 2**
- SS3 - OuterSS
- Option 3**
- SS3 - SS1
- Pipelines**
- Option 1
  - Option 2
  - Option 3
- 500m Corridor**
- Option 1
  - Option 2
  - Option 3

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DATA SOURCE:  
 CHIEF DIRECTORATE: NATIONAL GEO-SPATIAL INFORMATION  
 NFEPA, SANBI

PROJECTION: WGS 19 HARTEBEEHOEK 94

PROJECT TITLE: WIND AND SOLAR RENEWABLES

PROJECT NO: 47579

SCALE: 1:130,000 AT A4      DATE: 08/12/2016

DRAWN BY: SABELO DUBE      FIGURE NO:

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**BIO THERM ENERGY (PTY) LTD**  
**REGIONAL MAP**  
 LETSOAI CSP1

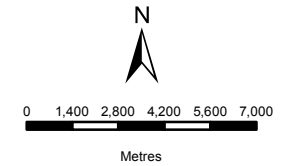
**Legend**

- Letsoai Substations
- Eskom Powelines
- Non- Perennial Rivers
- Powerlines
- Roads
- National Road
- Letsoai Site 1
- ▭ Letsoai Enamandla Boundaries
- ▭ Letsoai Substations Footprints
- ▭ NFEPA Wetlands

**CBA Terrestrial**

**CBA Type**

- ESA\_T
- T1
- T2



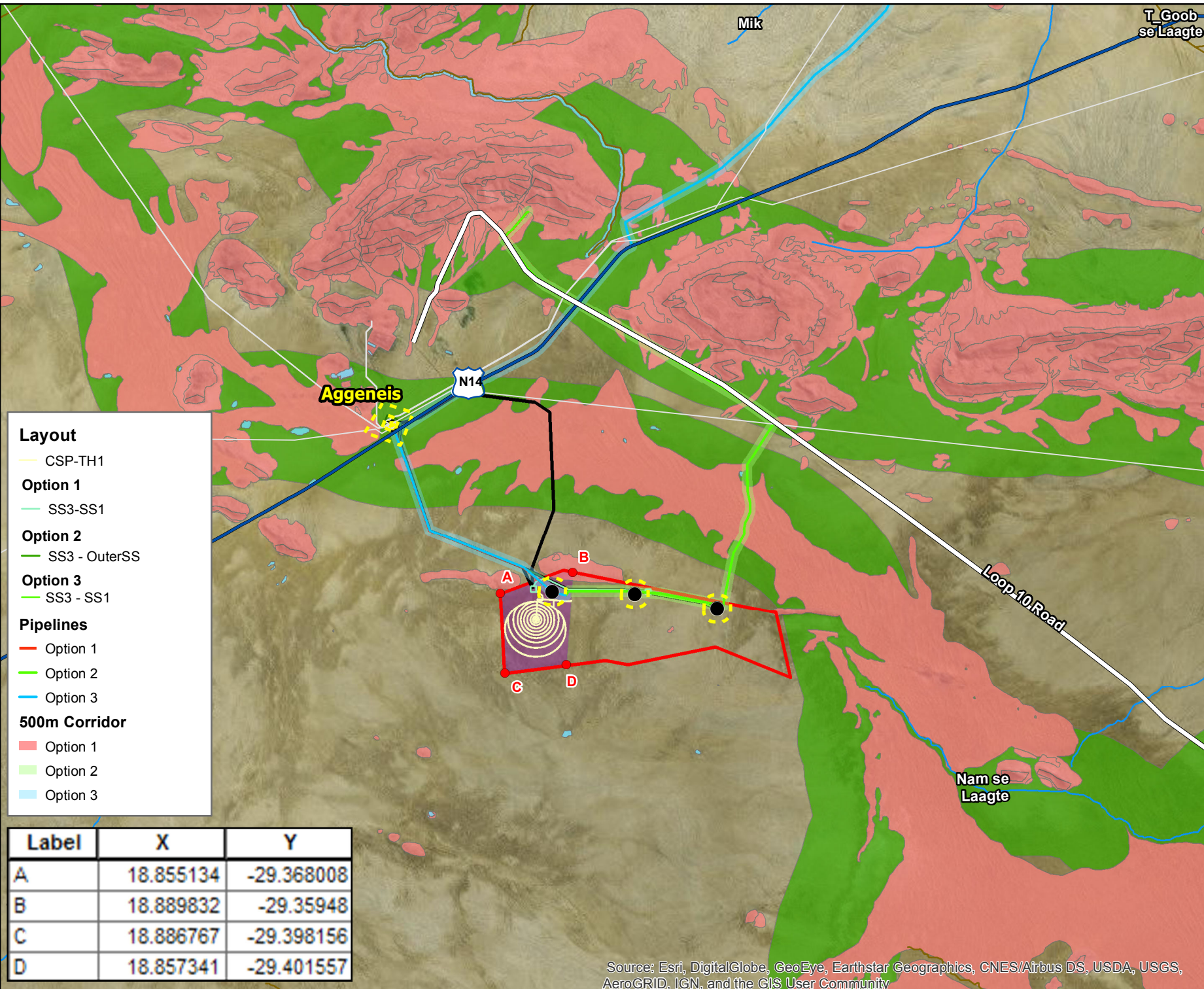
DATA SOURCE:  
 CHIEF DIRECTORATE: NATIONAL GEO-SPATIAL INFORMATION  
 NFEPA, SANBI

PROJECTION: WGS 19 HARTEBESHOEK 94  
 PROJECT TITLE: WIND AND SOLAR RENEWABLES

PROJECT NO: 47579  
 SCALE: 1:230,000 AT A4      DATE: 08/12/2016  
 DRAWN BY: SABELO DUBE      FIGURE NO:  
 REVIEWED BY: ASHLEA STRONG



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- Layout**
- CSP-TH1
- Option 1**
- SS3-SS1
- Option 2**
- SS3 - OuterSS
- Option 3**
- SS3 - SS1
- Pipelines**
- Option 1
  - Option 2
  - Option 3
- 500m Corridor**
- Option 1
  - Option 2
  - Option 3

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**BIO THERM ENERGY  
(PTY) LTD**  
SLOPE ANALYSIS  
LETSOAI CSP1

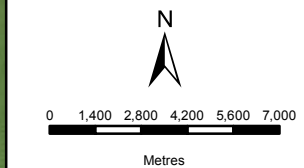
**Legend**

- Roads
  - National Road
  - Letsoai Site 1
  - Letsoai Enamandla Boundaries
- Slope**
- 0 - 9%
  - 15 - 25%
  - 9 - 15%
  - > 25%

**Layout**

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  - Option 2**
  - SS3 - OuterSS
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  - SS3 - SS1
- Pipelines**
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DATA SOURCE:  
CHIEF DIRECTORATE: NATIONAL GEO-  
SPATIAL INFORMATION  
NFEPA, SANBI

PROJECTION: WGS 19 HARTEBEESSHOEK 94

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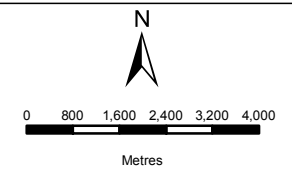
**Vegetation**

**Levels of Protection**

- Least threatened

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- CSP-TH1
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