

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: TBA

Project name: Jindal Melmoth Iron Ore Project

Project title: Jindal Melmoth Iron Ore - North Black

Date screening report generated: 26/03/2021 11:29:55

Applicant: Jindal KZN Mining (Pty) Ltd

Compiler: Reuben Maroga

Compiler signature:

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Application Category: Mining|Mining Right

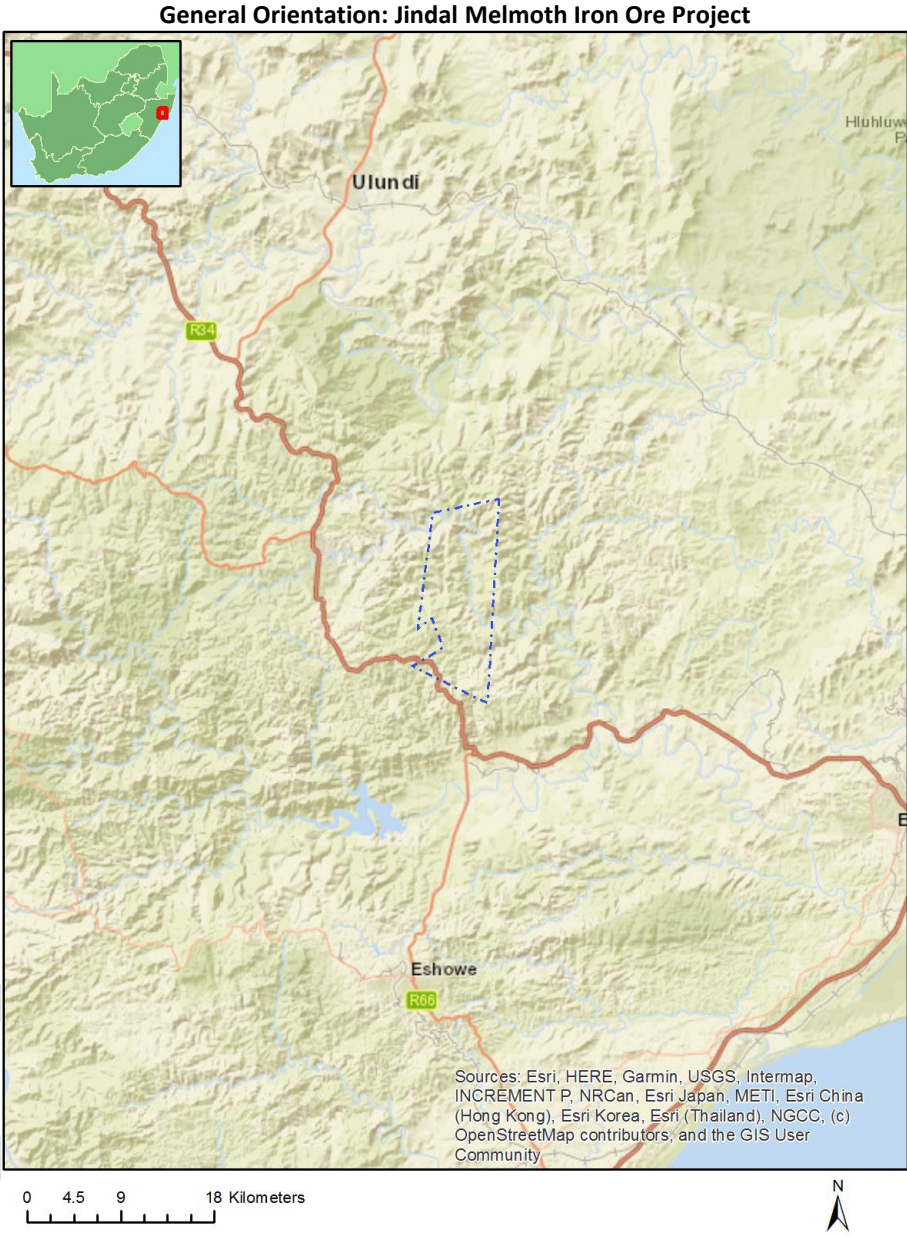
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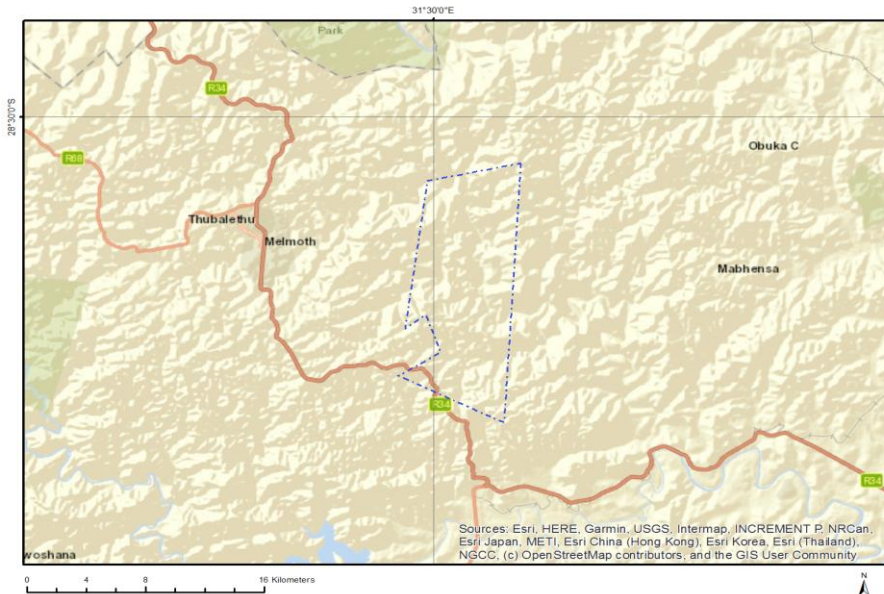
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

| No | Farm Name | Farm/ Erf No | Portion | Latitude | Longitude | Property Type |
|----|------------|--------------|---------|--------------|--------------|---------------|
| 1 | NTEMBENI | 16921 | 0 | 28°40'57.24S | 31°31'3.51E | Farm |
| 2 | RESERVE 11 | 15831 | 0 | 28°31'59.08S | 31°37'36.63E | Farm |
| 3 | NTEMBENI | 16921 | 0 | 28°40'54.47S | 31°31'3.13E | Farm Portion |
| 4 | RESERVE 11 | 15831 | 4 | 28°31'59.47S | 31°37'36.63E | Farm Portion |
| 5 | RESERVE 11 | 15831 | 3 | 28°28'14.58S | 31°32'15.19E | Farm Portion |

Development footprint¹ vertices:
No development footprint(s) specified.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No nearby wind or solar developments found.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

¹ "development footprint", means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

Mining | Mining Right.

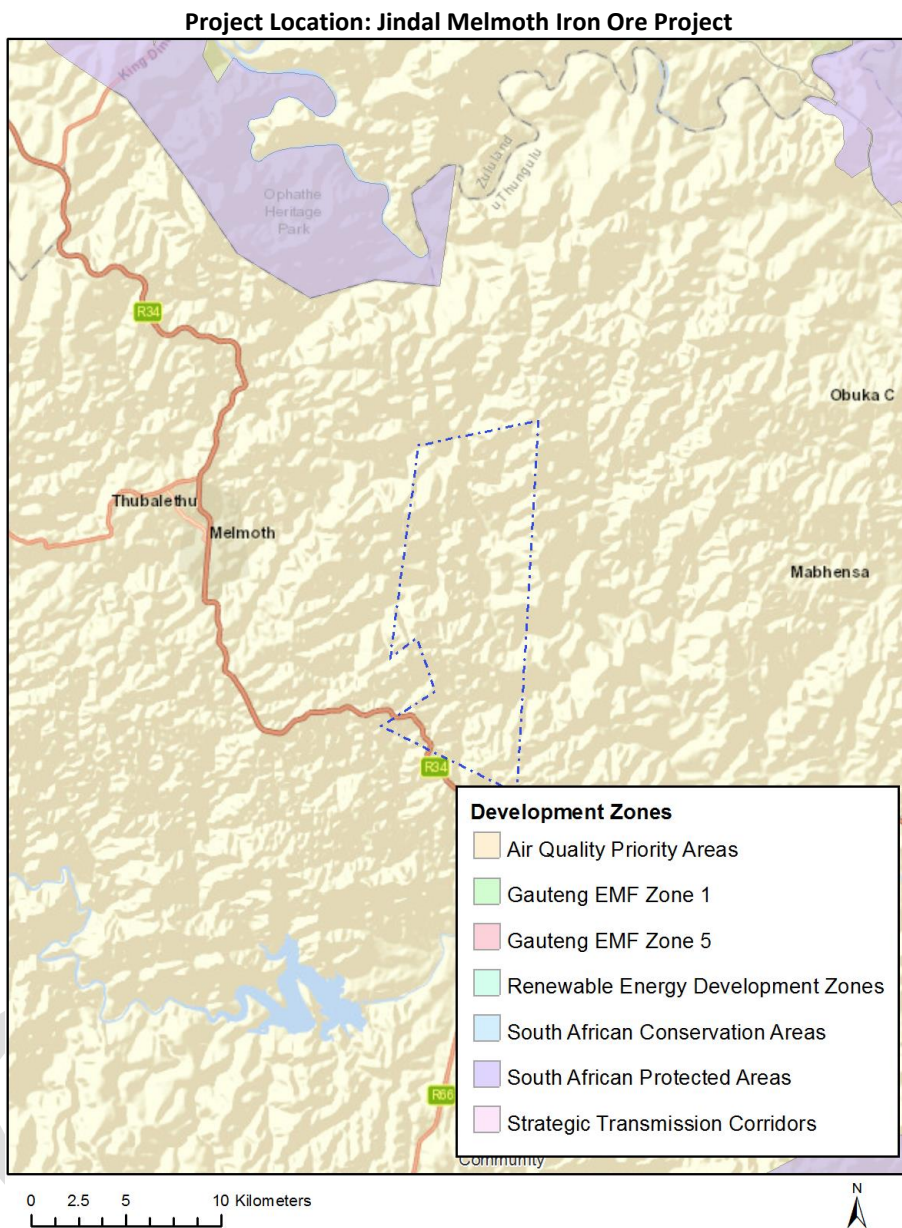
Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

No intersection with any development zones found.

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Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones



Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

| Theme | Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|----------------------|-----------------------|------------------|--------------------|-----------------|
| Agriculture Theme | X | | | |
| Animal Species Theme | | X | | |

| | | | | |
|--|---|---|---|---|
| Aquatic Biodiversity Theme | X | | | |
| Archaeological and Cultural Heritage Theme | | | | X |
| Civil Aviation Theme | | X | | |
| Defence Theme | | | | X |
| Paleontology Theme | | | X | |
| Plant Species Theme | | | X | |
| Terrestrial Biodiversity Theme | X | | | |

Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

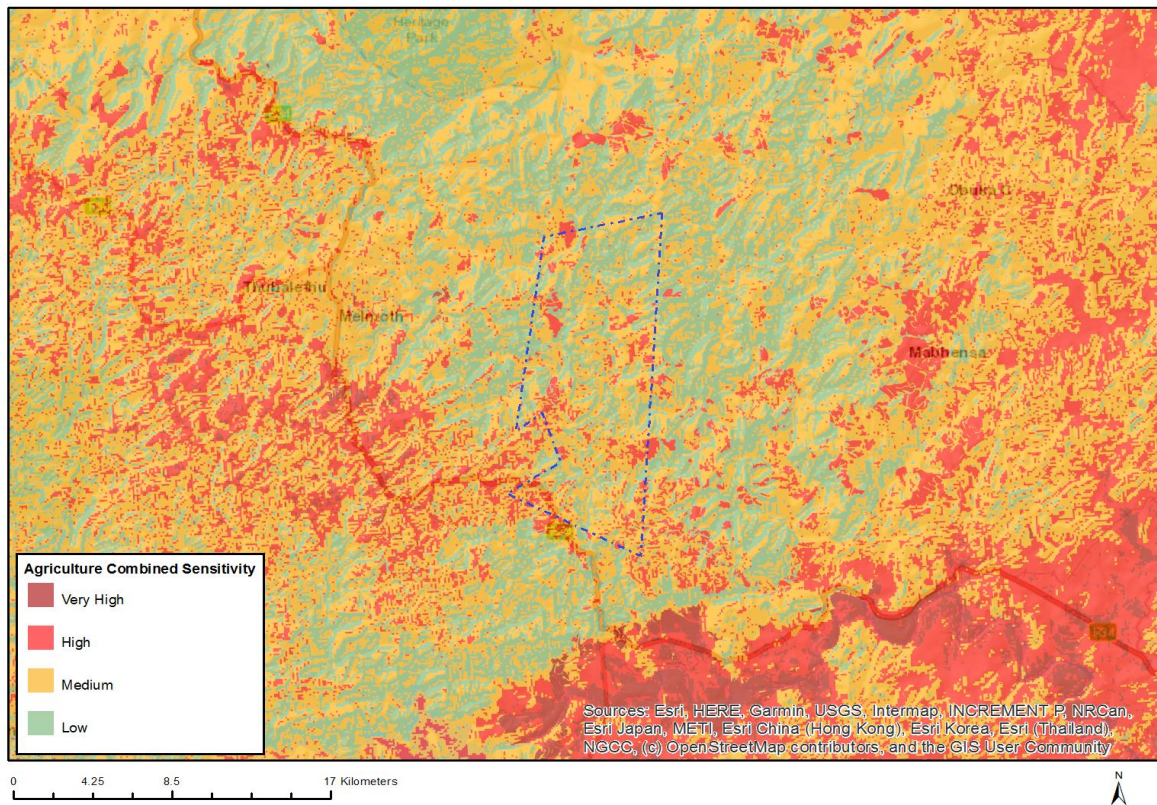
| N o | Special ist assessm ent | Assessment Protocol |
|------------|--|---|
| 1 | Agricultural Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf |
| 2 | Landscape/Visual Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 3 | Archaeological and Cultural Heritage Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 4 | Palaeontology Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 5 | Terrestrial Biodiversity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf |
| 6 | Aquatic Biodiversity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf |
| 7 | Hydrology | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols |

| | | |
|----|---------------------------------------|---|
| | Assessment | /Gazetted General Requirement Assessment Protocols.pdf |
| 8 | Noise Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf |
| 9 | Radioactivity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 10 | Traffic Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 11 | Geotechnical Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 12 | Climate Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 13 | Health Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 14 | Socio-Economic Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 15 | Ambient Air Quality Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 16 | Seismicity Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 17 | Plant Species Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf |
| 18 | Animal Species Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf |

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

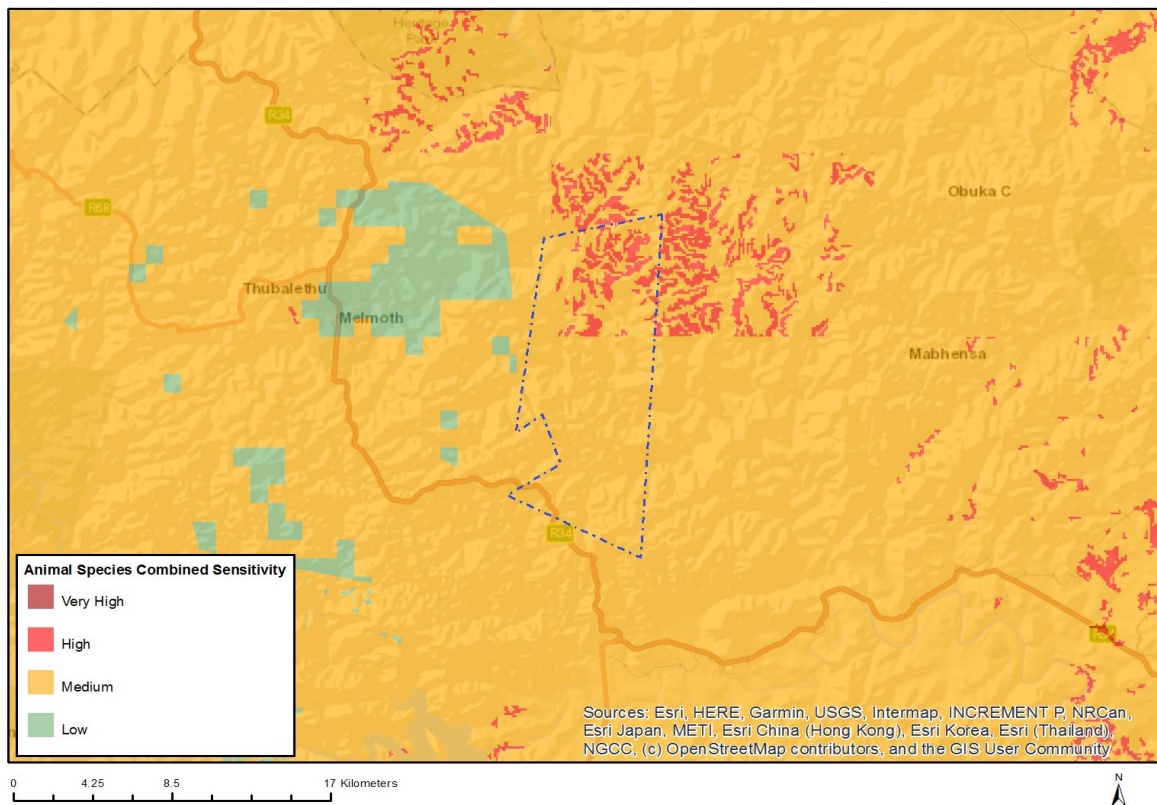


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| High | Land capability;09. Moderate-High/10. Moderate-High |
| Low | Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low |
| Medium | Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate |
| Very High | Land capability;11. High/12. High-Very high/13. High-Very high/14. Very high/15. Very high |

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



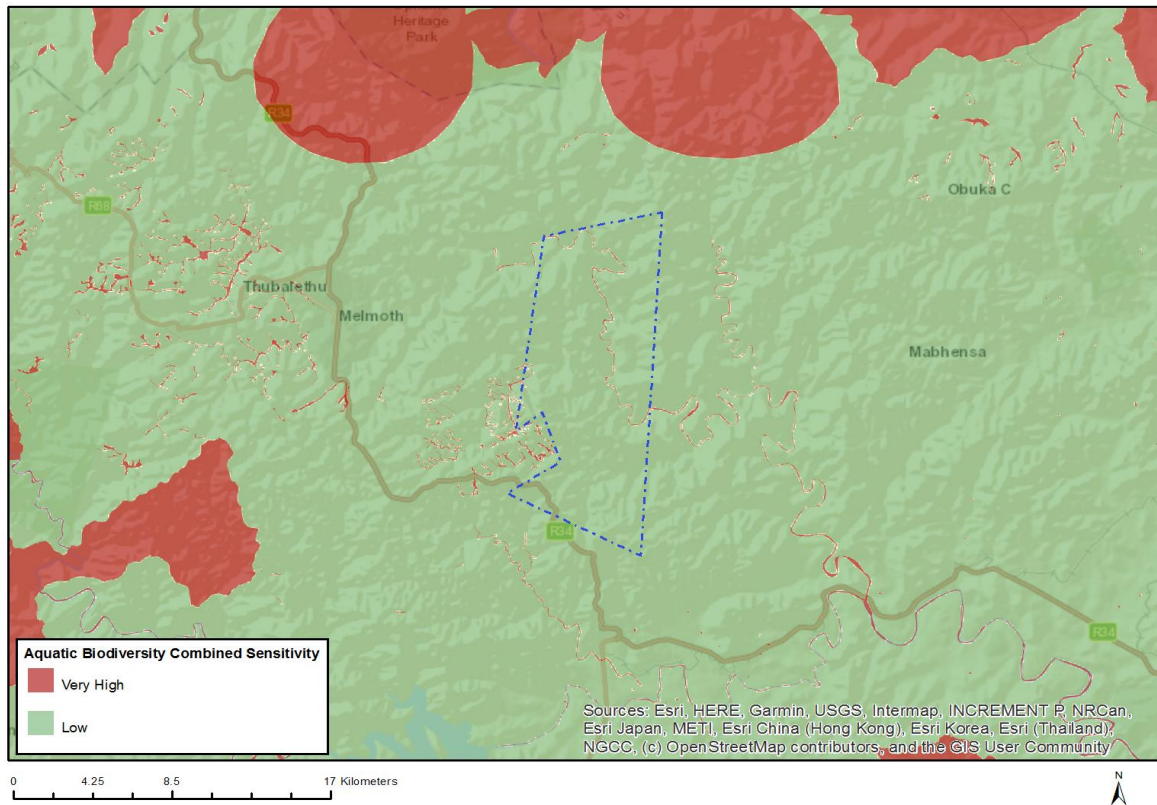
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | X | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| High | Aves-Geronticus calvus |
| Medium | Insecta-Iolous diametra natalica |
| Medium | Mammalia-Dendrohyrax arboreus |
| Medium | Invertebrate-Forest invertebrate |
| Medium | Reptilia-Kinixys natalensis |
| Medium | Sensitive species 5 |
| Medium | Invertebrate-Physophorina livingstonii |
| Medium | Aves-Geronticus calvus |

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

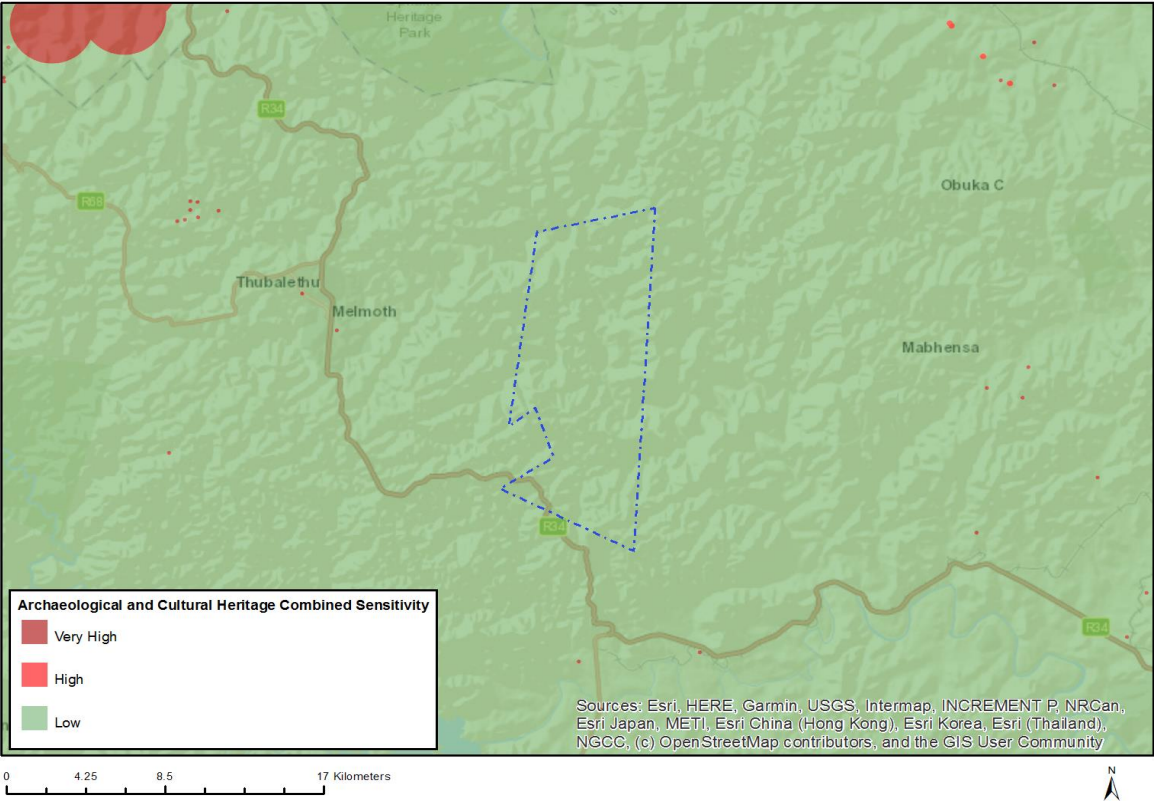


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------|
| Low | Low sensitivity |
| Very High | Wetlands and Estuaries |

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

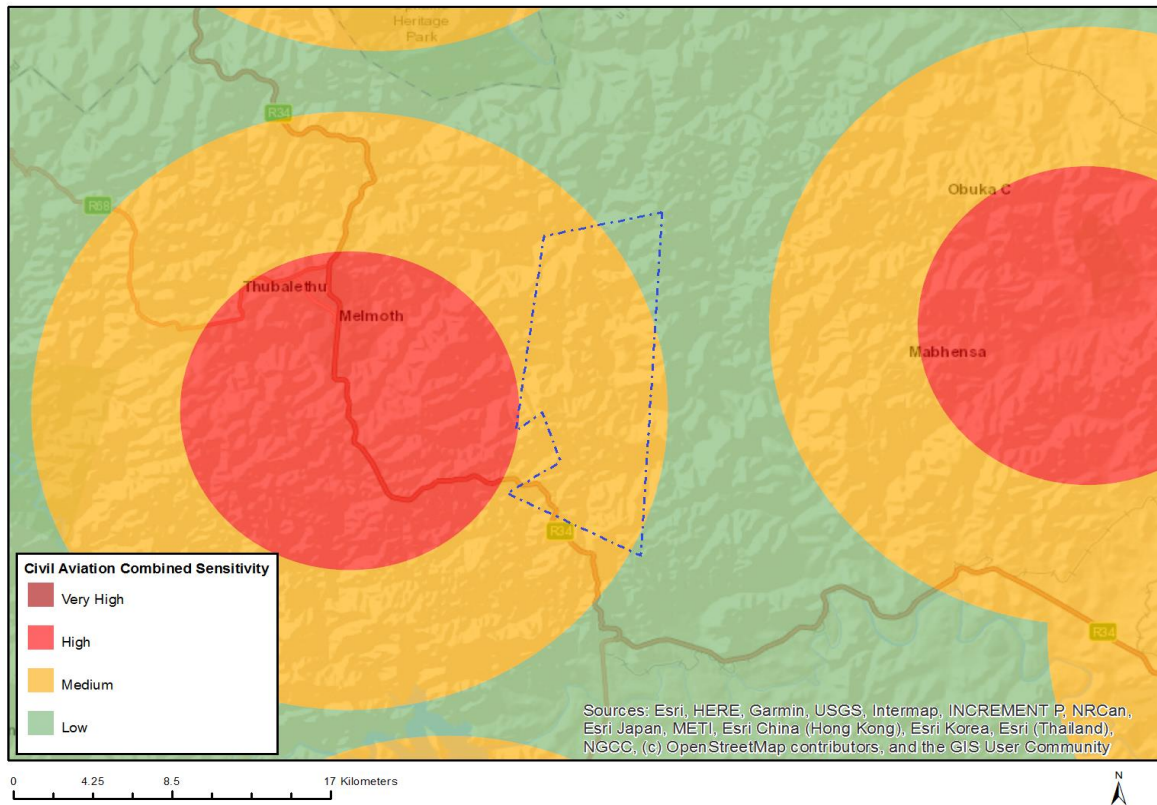


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------|
| Low | Low sensitivity |

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

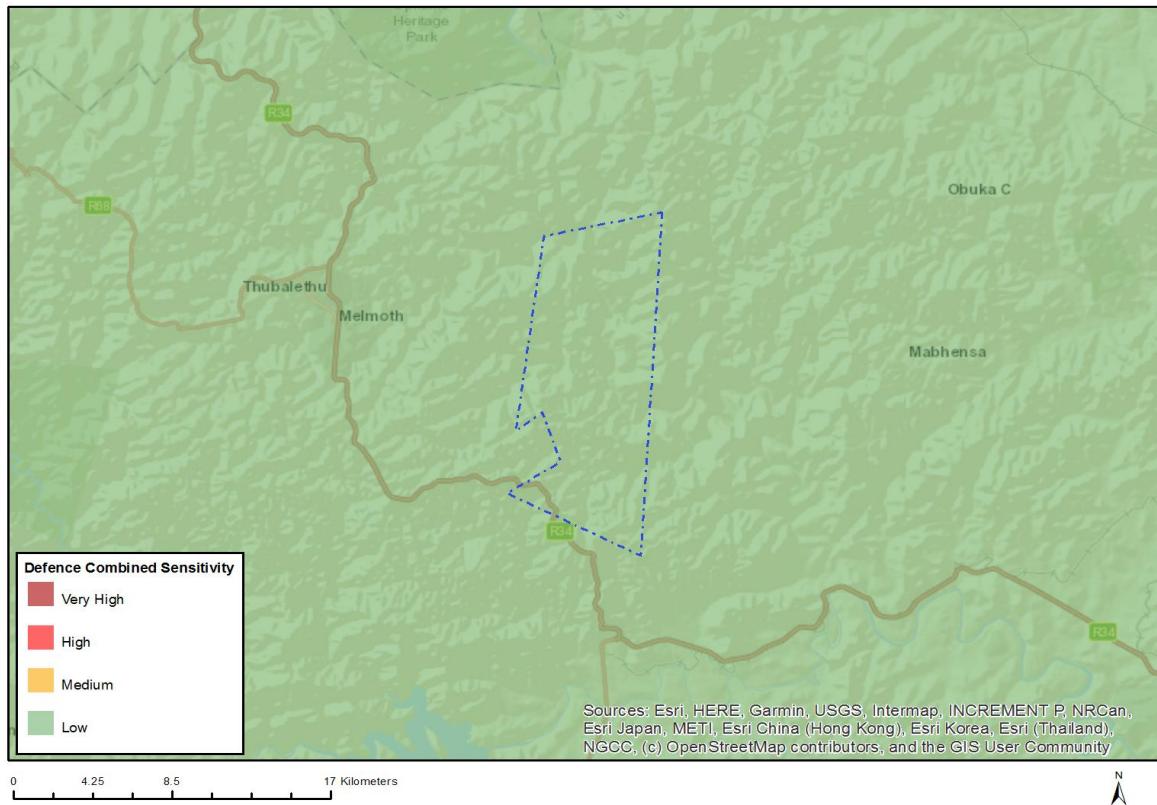


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | X | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|---|
| High | Within 8 km of other civil aviation aerodrome |
| Low | Low sensitivity |
| Medium | Between 8 and 15 km of other civil aviation aerodrome |

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

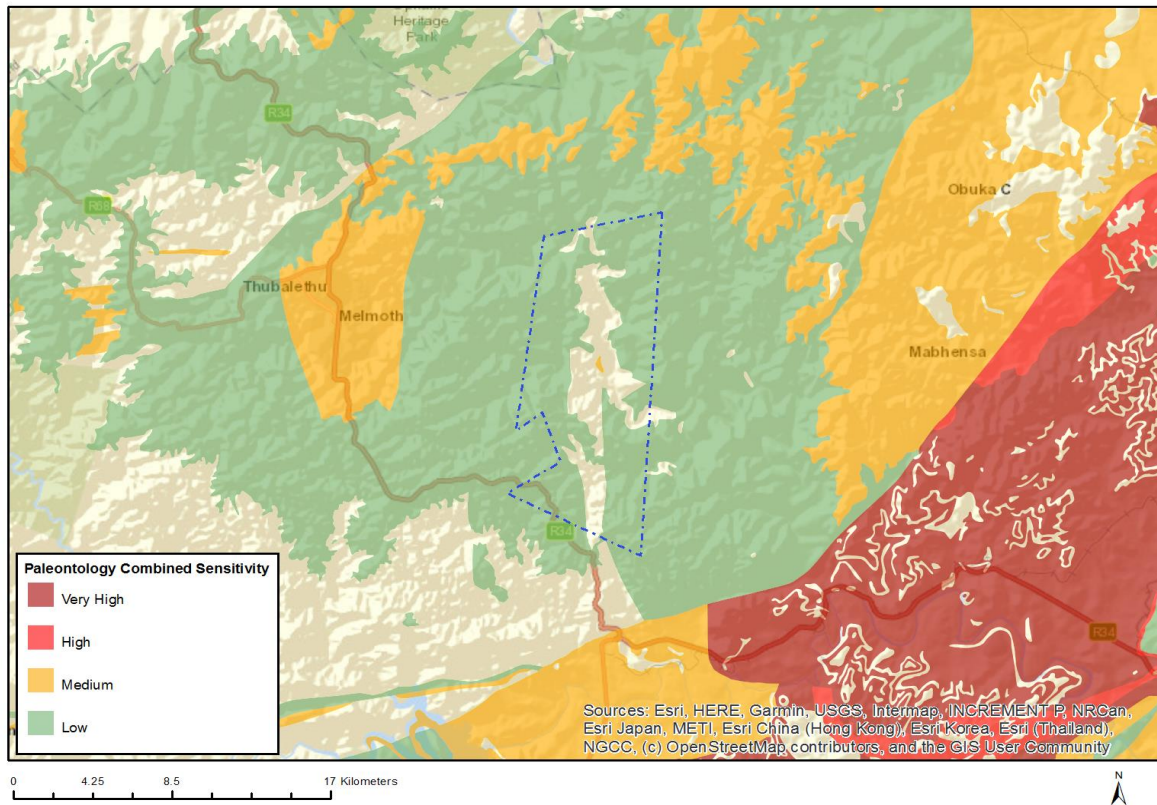


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------|
| Low | Low Sensitivity |

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

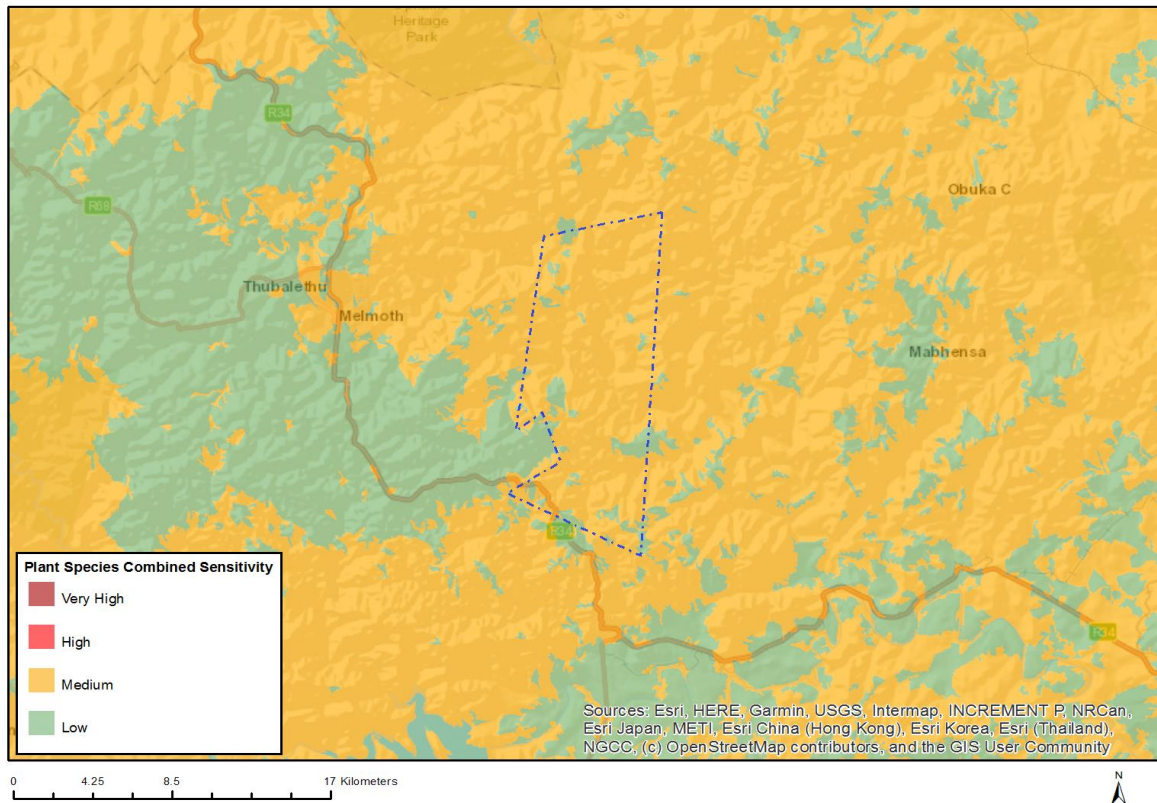


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| Low | Features with a Low paleontological sensitivity |
| Medium | Features with a Medium paleontological sensitivity |

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

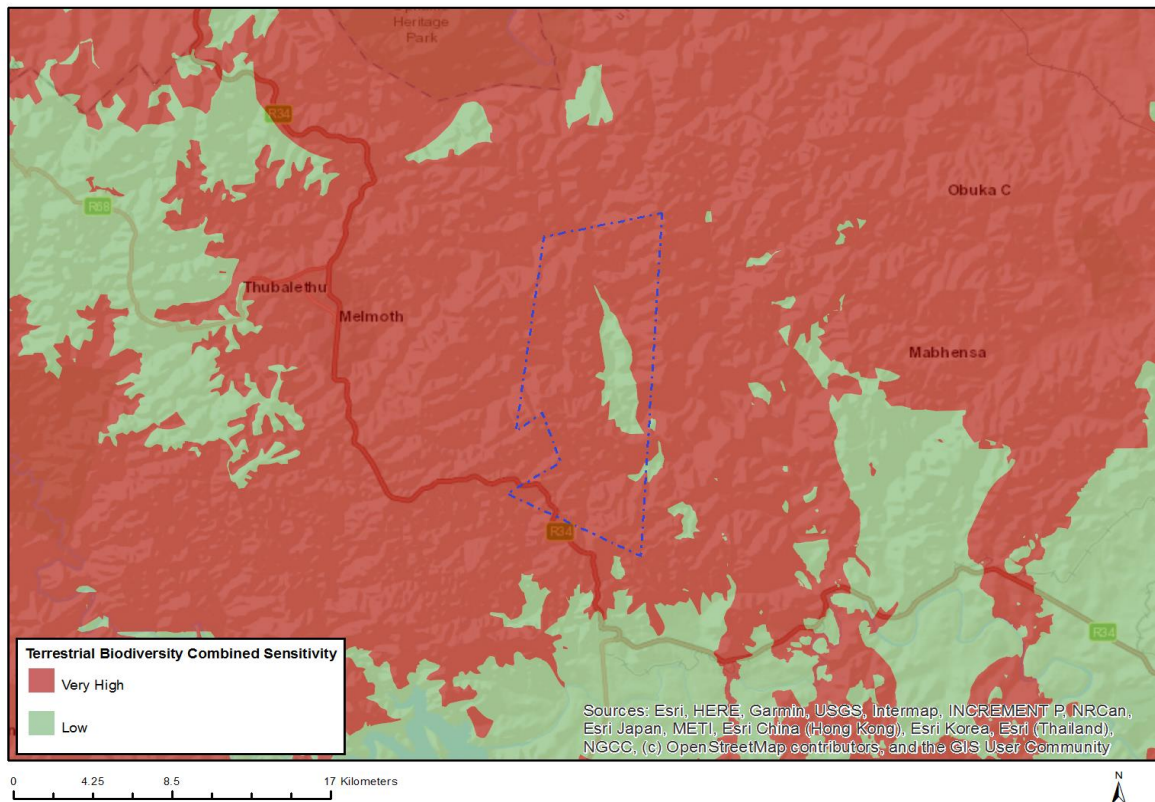
| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|---|
| Low | Low Sensitivity |
| Medium | Faurea macnaughtonii |
| Medium | Sensitive species 1252 |
| Medium | Sensitive species 89 |
| Medium | Selago zuluensis |
| Medium | Emplectanthus cordatus |
| Medium | Salpinctium natalense |
| Medium | Sensitive species 1076 |
| Medium | Cassipourea gummiflua var. verticillata |
| Medium | Sensitive species 1168 |
| Medium | Sensitive species 1083 |
| Medium | Sensitive species 814 |
| Medium | Sensitive species 1176 |
| Medium | Mystacidium alicae |
| Medium | Sensitive species 401 |

| | |
|--------|-----------------------|
| Medium | Disperis woodii |
| Medium | Sensitive species 191 |
| Medium | Prunus africana |

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| Low | Low Sensitivity |
| Very High | Critical Biodiversity Area |
| Very High | Ecological Support Area |
| Very High | Forest |
| Very High | Focus Areas for land-based protected areas expansion |
| Very High | Vulnerable ecosystem |

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: TBA

Project name: Jindal Melmoth Iron Ore Project

Project title: Jindal Melmoth Iron Ore Project

Date screening report generated: 09/04/2021 10:18:10

Applicant: Jindal Iron Ore (Pty) Ltd

Compiler: Reuben Maroga

Compiler signature:



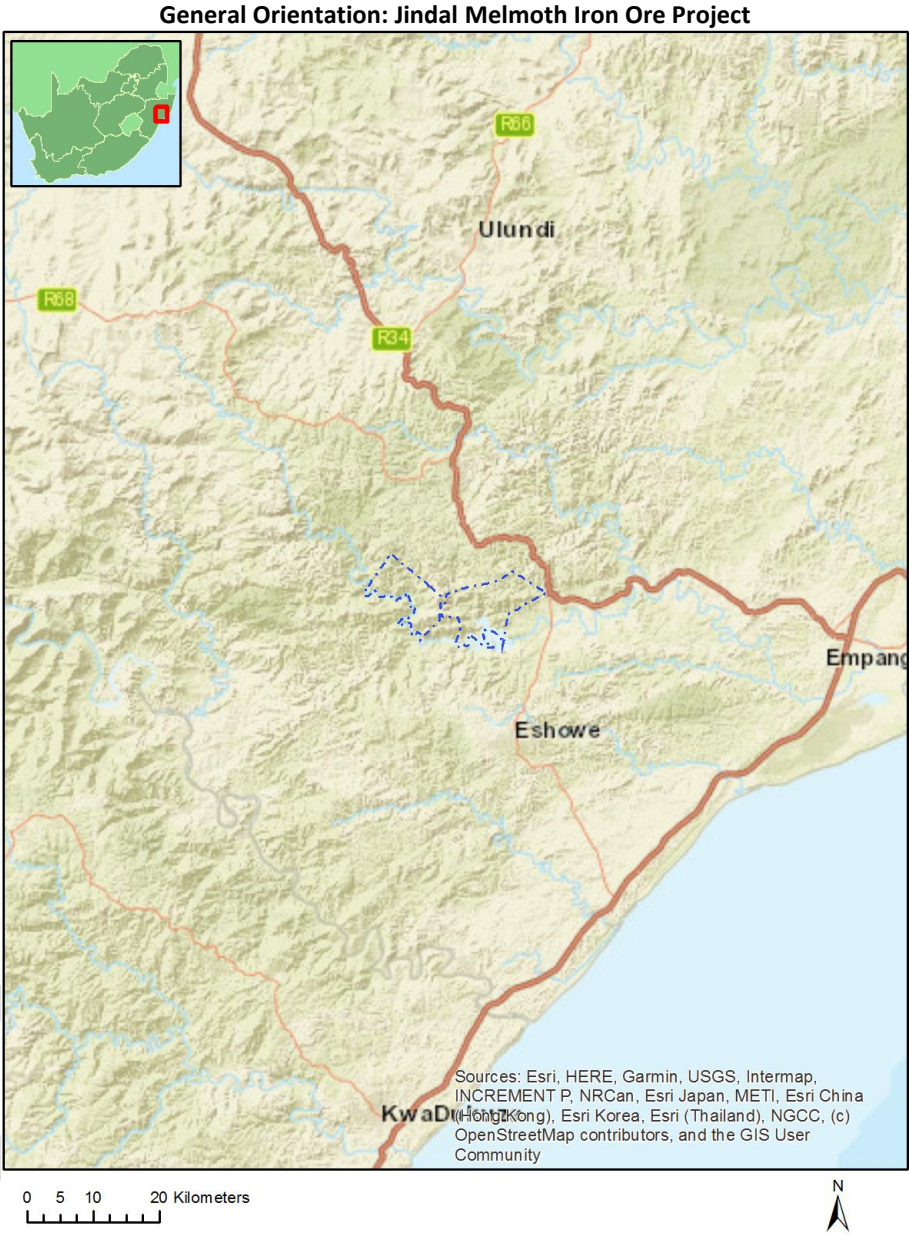
Application Category: Mining|Mining Right

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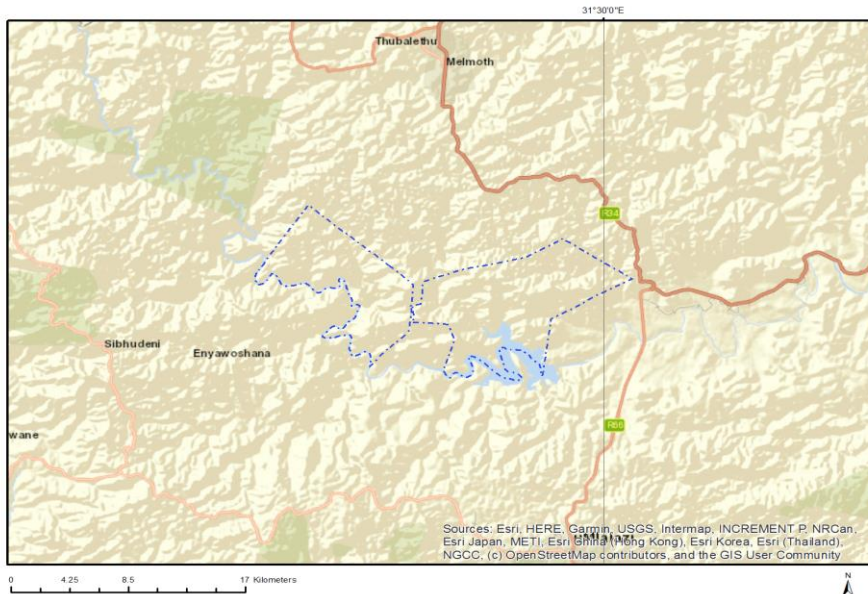
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

| No | Farm Name | Farm/ Erf No | Portion | Latitude | Longitude | Property Type |
|----|---------------------|--------------|---------|--------------|--------------|---------------|
| 1 | NTEMBENI | 16921 | 0 | 28°40'57.24S | 31°31'3.51E | Farm |
| 2 | DIRKCHINBURG | 6125 | 0 | 28°40'52.42S | 31°27'26.43E | Farm |
| 3 | BULLS RUN | 6108 | 0 | 28°44'17.97S | 31°22'32.19E | Farm |
| 4 | BLACK EYES | 13385 | 0 | 28°44'9.37S | 31°23'46.79E | Farm |
| 5 | LOT 7 UMHLATUZI | 10870 | 0 | 28°44'11.52S | 31°29'16.28E | Farm |
| 6 | ARCADIA | 6123 | 0 | 28°41'43.81S | 31°22'55.26E | Farm |
| 7 | KORTBEGRIIP | 6121 | 0 | 28°39'18.78S | 31°19'6.64E | Farm |
| 8 | VERGELEGEN | 6104 | 0 | 28°41'46.29S | 31°17'58.56E | Farm |
| 9 | GOEDGELOOF | 6106 | 0 | 28°42'5.27S | 31°19'35.78E | Farm |
| 10 | WILHELMINA | 6122 | 0 | 28°40'38.42S | 31°21'8.37E | Farm |
| 11 | KROMDRAAI | 6110 | 0 | 28°42'32.51S | 31°27'48.47E | Farm |
| 12 | BULLS RUN ESTATE | 12987 | 0 | 28°45'34.02S | 31°22'53.74E | Farm |
| 13 | MPUNGOSE | 17627 | 0 | 28°50'41.07S | 31°31'20.77E | Farm |
| 14 | RESERVE 19 | 15839 | 0 | 28°39'16.94S | 31°8'21.48E | Farm |
| 15 | WILDERNESS | 6107 | 0 | 28°44'24.93S | 31°21'13.37E | Farm |
| 16 | WILDERNESS | 6107 | 4 | 28°43'59.29S | 31°22'21.52E | Farm Portion |
| 17 | WILDERNESS | 6107 | 12 | 28°44'24.99S | 31°21'13.24E | Farm Portion |
| 18 | WILHELMINA | 6122 | 2 | 28°40'50.79S | 31°20'25.99E | Farm Portion |
| 19 | GOEDGELOOF | 6106 | 2 | 28°42'59.1S | 31°20'16.93E | Farm Portion |
| 20 | GOEDGELOOF | 6106 | 0 | 28°42'1.6S | 31°19'2.85E | Farm Portion |
| 21 | KROMDRAAI | 6110 | 0 | 28°42'25.15S | 31°27'45.29E | Farm Portion |
| 22 | VERGELEGEN | 6104 | 0 | 28°41'33.87S | 31°18'1.09E | Farm Portion |
| 23 | GOEDGELOOF | 6106 | 3 | 28°42'24.77S | 31°20'17.46E | Farm Portion |
| 24 | GOEDGELOOF | 6106 | 1 | 28°41'56.9S | 31°20'27.59E | Farm Portion |
| 25 | BULLS RUN | 6108 | 4 | 28°44'37.14S | 31°22'27.54E | Farm Portion |
| 26 | BULLS RUN ESTATE | 12987 | 2 | 28°45'27.75S | 31°23'28.4E | Farm Portion |

| | | | | | | |
|----|--------------------|-------|----|--------------|--------------|--------------|
| 27 | WILDERNESS | 6107 | 3 | 28°43'23.92S | 31°22'25.24E | Farm Portion |
| 28 | WILDERNESS | 6107 | 14 | 28°43'30.17S | 31°20'48.4E | Farm Portion |
| 29 | WILDERNESS | 6107 | 7 | 28°44'4.06S | 31°22'27.69E | Farm Portion |
| 30 | BULLS RUN | 6108 | 2 | 28°44'9.37S | 31°22'31.19E | Farm Portion |
| 31 | KORTBEGRIP | 6121 | 0 | 28°39'17.56S | 31°18'36.64E | Farm Portion |
| 32 | WILDERNESS | 6107 | 6 | 28°44'35.12S | 31°22'14.17E | Farm Portion |
| 33 | WILDERNESS | 6107 | 13 | 28°43'6.69S | 31°22'30.58E | Farm Portion |
| 34 | ARCADIA | 6123 | 4 | 28°42'14.83S | 31°23'35.95E | Farm Portion |
| 35 | ARCADIA | 6123 | 17 | 28°42'12.6S | 31°24'6.23E | Farm Portion |
| 36 | DIRKCHINBURG | 6125 | 0 | 28°40'52.77S | 31°27'26.38E | Farm Portion |
| 37 | LOT 7 UMHLATUZI | 10870 | 0 | 28°44'11.07S | 31°29'16.56E | Farm Portion |
| 38 | BLACK EYES | 13385 | 1 | 28°43'6.06S | 31°23'17.53E | Farm Portion |
| 39 | BLACK EYES | 13385 | 4 | 28°45'33.25S | 31°24'48.32E | Farm Portion |
| 40 | WILDERNESS | 6107 | 15 | 28°42'23.86S | 31°21'19.87E | Farm Portion |
| 41 | WILDERNESS | 6107 | 5 | 28°44'15.57S | 31°22'24.73E | Farm Portion |
| 42 | WILDERNESS | 6107 | 16 | 28°42'54.78S | 31°22'3.26E | Farm Portion |
| 43 | WILDERNESS | 6107 | 8 | 28°44'49.19S | 31°22'11.56E | Farm Portion |
| 44 | BULLS RUN | 6108 | 3 | 28°44'22.78S | 31°22'28.71E | Farm Portion |
| 45 | | 7806 | 0 | 28°44'10.74S | 31°26'21.39E | Farm Portion |
| 46 | NTEMBENI | 16921 | 0 | 28°40'54.47S | 31°31'3.13E | Farm Portion |
| 47 | BLACK EYES | 13385 | 0 | 28°44'9.43S | 31°23'46.66E | Farm Portion |
| 48 | RESERVE 19 | 15839 | 0 | 28°45'32.24S | 31°16'53.69E | Farm Portion |
| 49 | BLACK EYES | 13385 | 3 | 28°43'36.02S | 31°23'50.32E | Farm Portion |
| 50 | BLACK EYES | 13385 | 2 | 28°42'57.63S | 31°24'3.02E | Farm Portion |
| 51 | MPUNGOSE | 17627 | 0 | 28°50'42.02S | 31°31'20.48E | Farm Portion |

Development footprint¹ vertices:
No development footprint(s) specified.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No nearby wind or solar developments found.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

¹ “development footprint”, means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

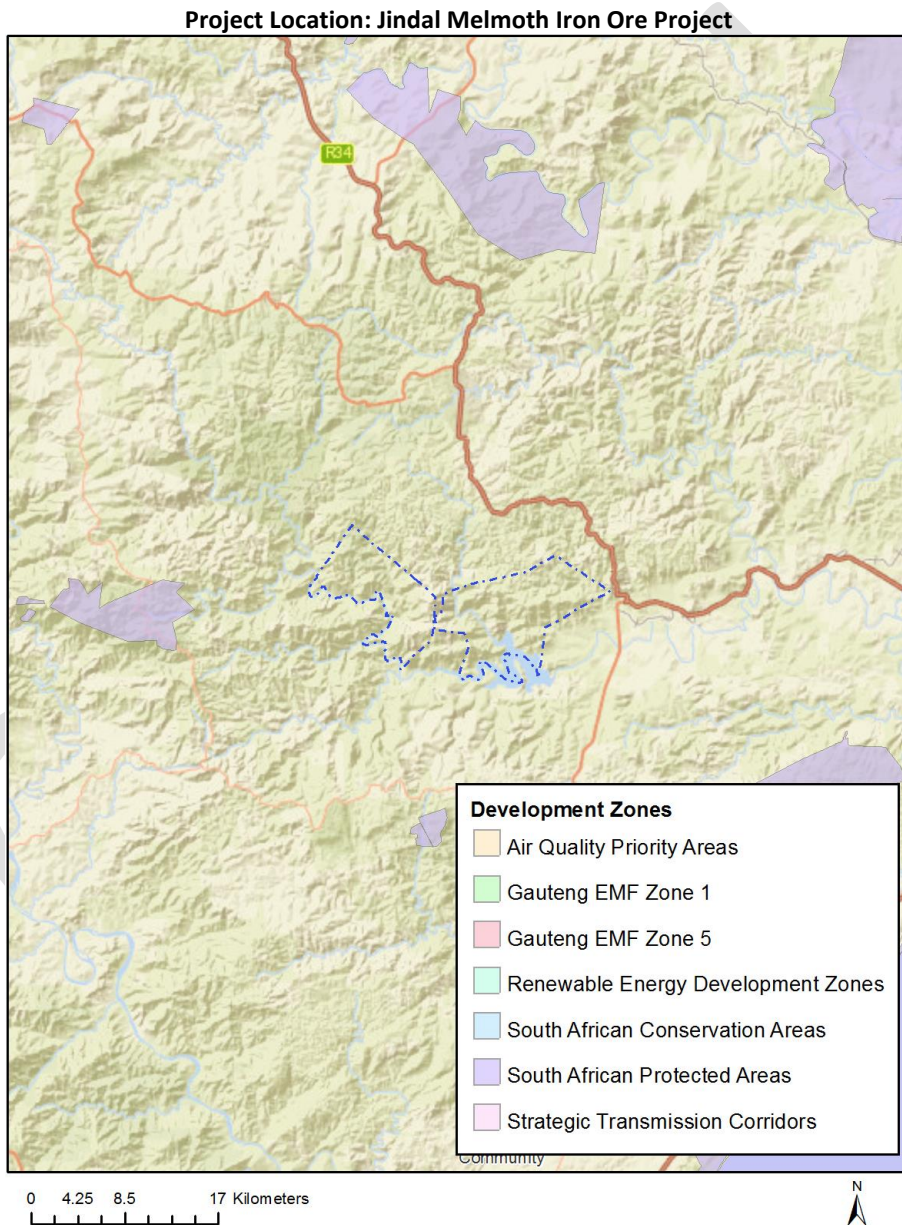
Mining | Mining Right.

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

No intersection with any development zones found.

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones



Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

| Theme | Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|--|-----------------------|------------------|--------------------|-----------------|
| Agriculture Theme | X | | | |
| Animal Species Theme | | X | | |
| Aquatic Biodiversity Theme | X | | | |
| Archaeological and Cultural Heritage Theme | | | | X |
| Civil Aviation Theme | | | X | |
| Defence Theme | | | | X |
| Paleontology Theme | | | X | |
| Plant Species Theme | | | X | |
| Terrestrial Biodiversity Theme | X | | | |

Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

| N o | Special ist assess ment | Assessment Protocol |
|-----|--|---|
| 1 | Agricultural Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf |
| 2 | Landscape/Visual Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 3 | Archaeological and Cultural Heritage Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 4 | Palaeontology Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 5 | Terrestrial | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols |

| | | |
|----|--|---|
| | al Biodiversity Impact Assessment | /Gazetted Terrestrial Biodiversity Assessment Protocols.pdf |
| 6 | Aquatic Biodiversity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf |
| 7 | Hydrology Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 8 | Noise Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf |
| 9 | Radioactivity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 10 | Traffic Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 11 | Geotechnical Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 12 | Climate Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 13 | Health Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 14 | Socio-Economic Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 15 | Ambient Air Quality Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 16 | Seismicity Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 17 | Plant Species Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf |
| 18 | Animal Species | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf |

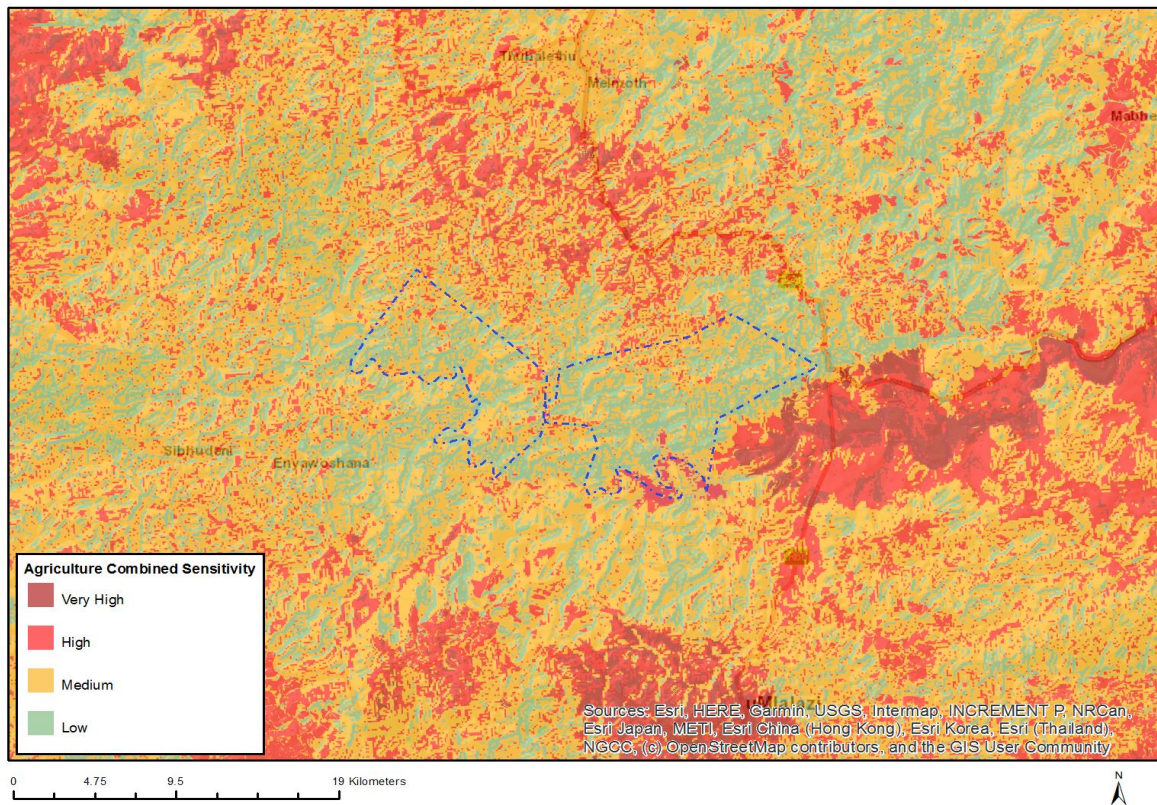
| | | |
|--|------------|--|
| | Assessment | |
|--|------------|--|

OFFICIAL

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

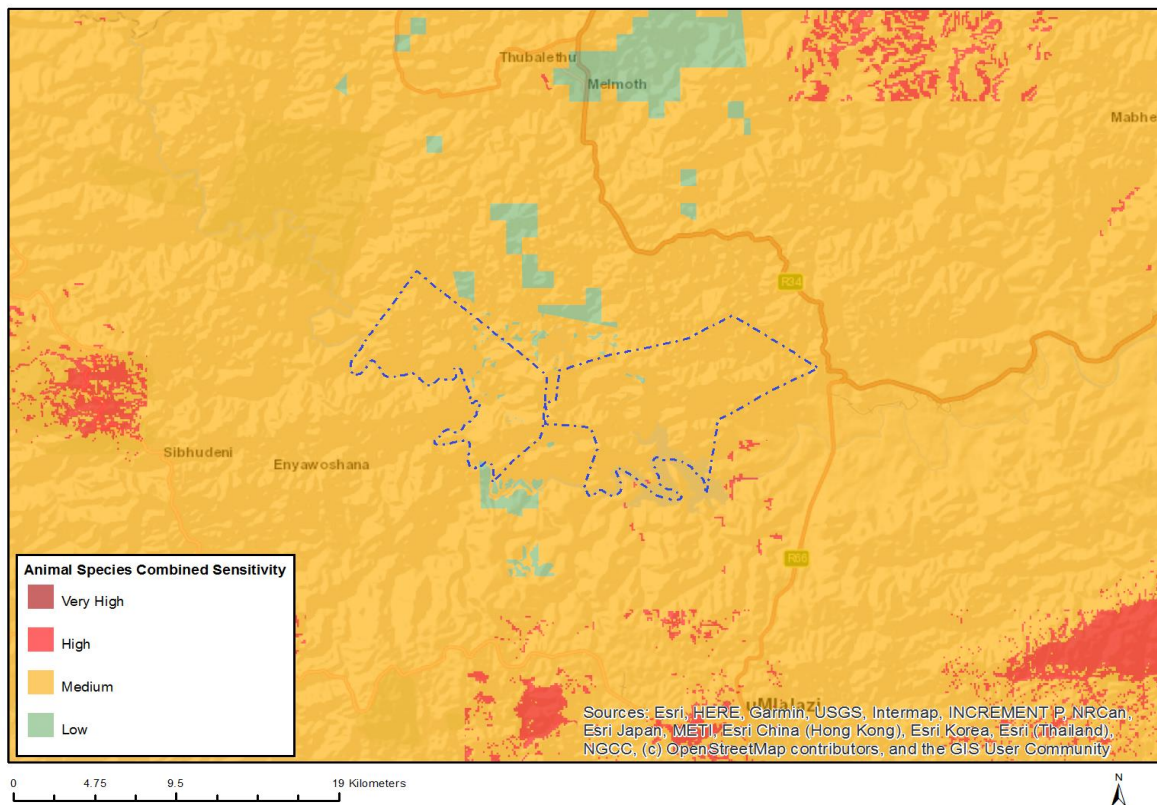


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| High | Land capability;09. Moderate-High/10. Moderate-High |
| Low | Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low |
| Medium | Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate |
| Very High | Land capability;11. High/12. High-Very high/13. High-Very high/14. Very high/15. Very high |

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



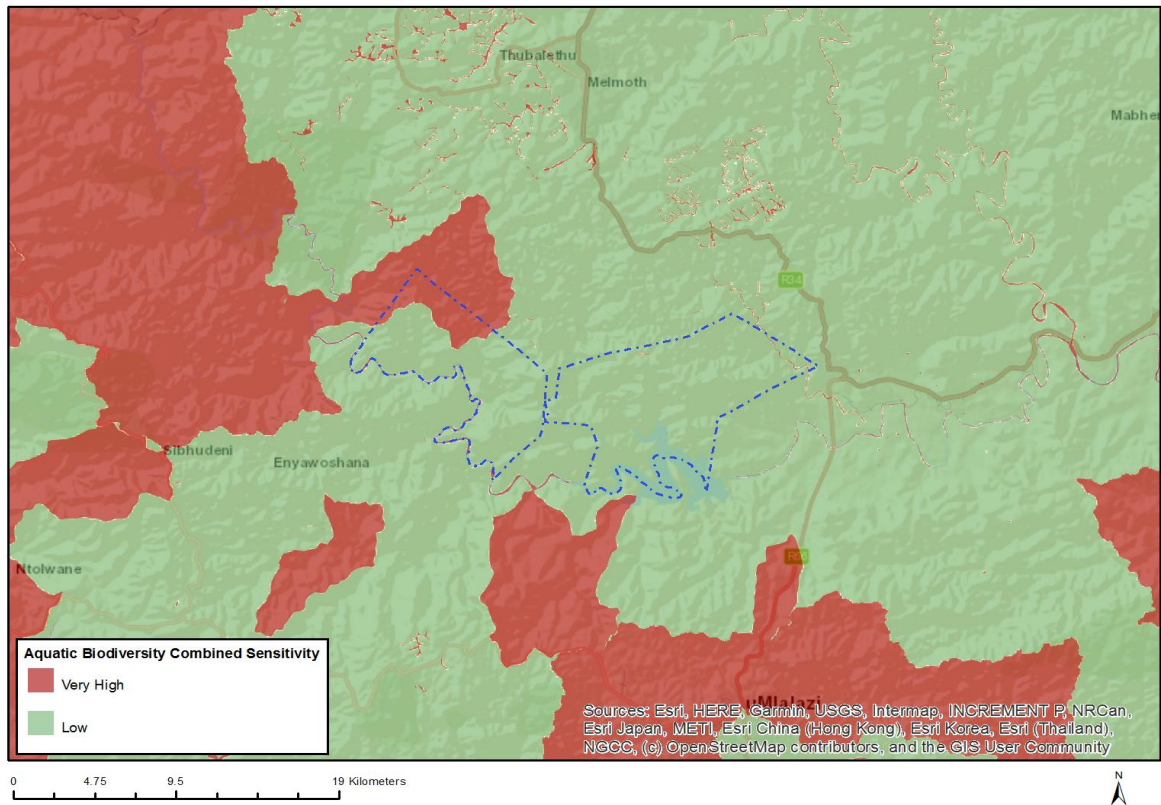
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at aiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | X | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| High | Aves-Circus ranivorus |
| Low | Low sensitivity |
| Medium | Insecta-Deloneura millari millari |
| Medium | Invertebrate-Arytropteris basalis |
| Medium | Insecta-lolaus diametra natalica |
| Medium | Invertebrate-Conocephalus zlobini |
| Medium | Insecta-Durbania amakosa flavida |
| Medium | Mammalia-Dendrohyrax arboreus |
| Medium | Sensitive species 5 |
| Medium | Invertebrate-Physophorina livingstonii |
| Medium | Mammalia-Lycaon pictus |

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

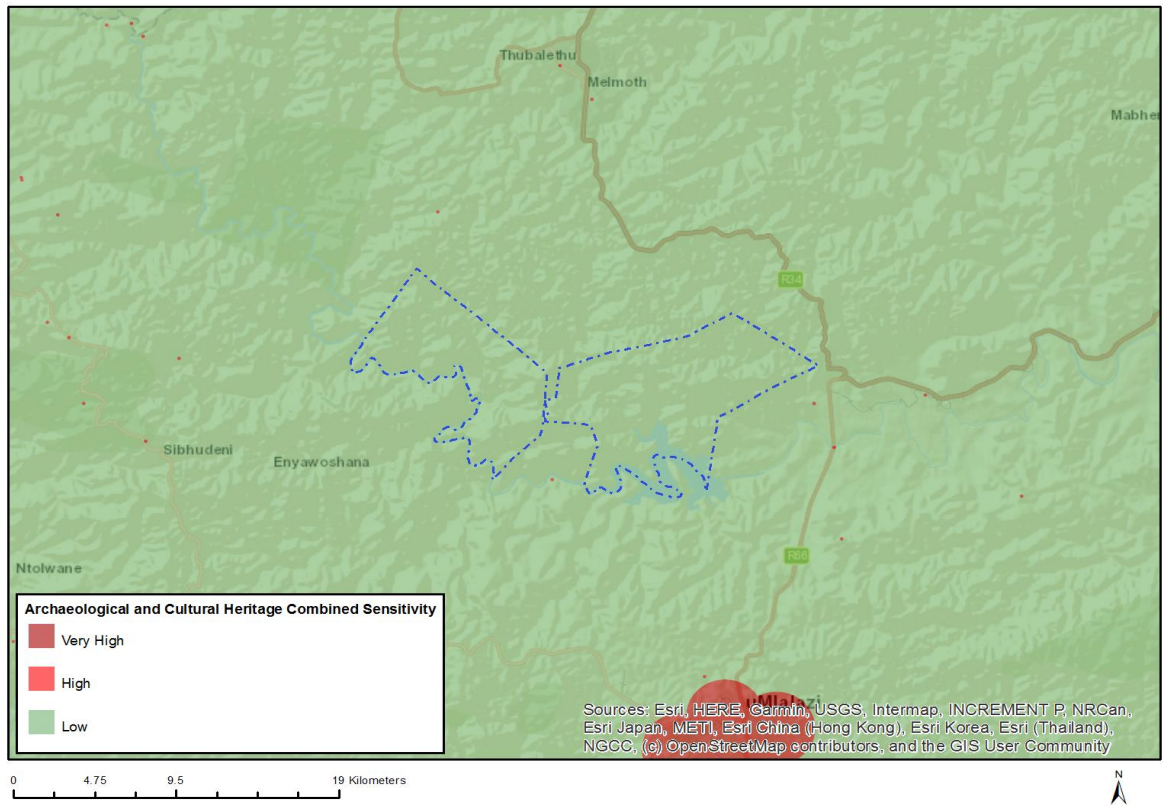


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------|
| Low | Low sensitivity |
| Very High | Aquatic CBAs |
| Very High | Wetlands and Estuaries |

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

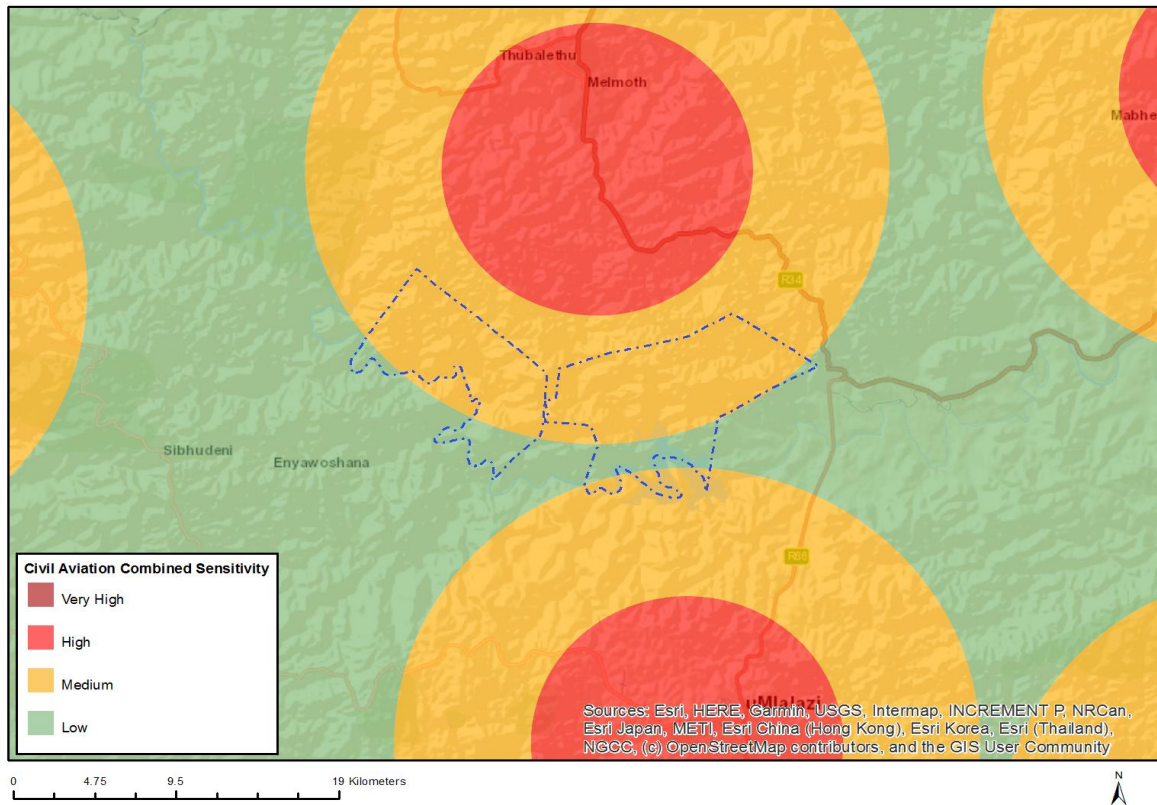


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------|
| Low | Low sensitivity |

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

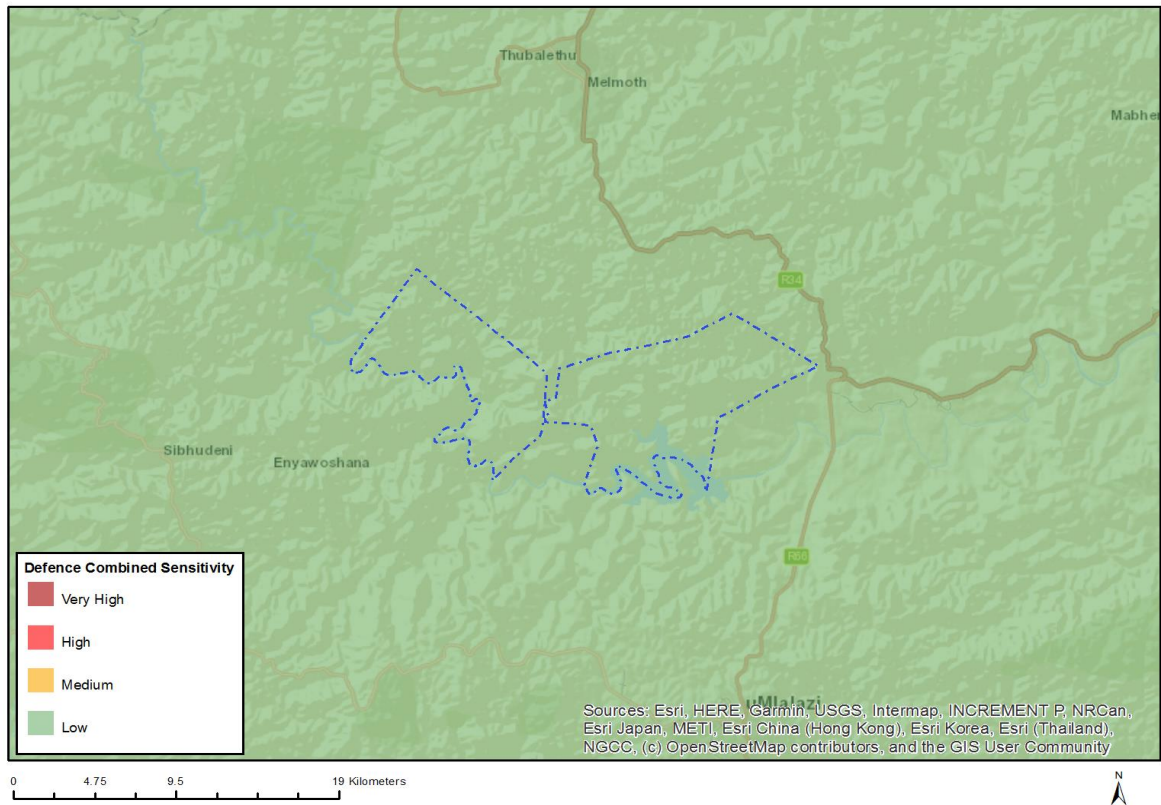


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|---|
| Low | Low sensitivity |
| Medium | Between 8 and 15 km of other civil aviation aerodrome |

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

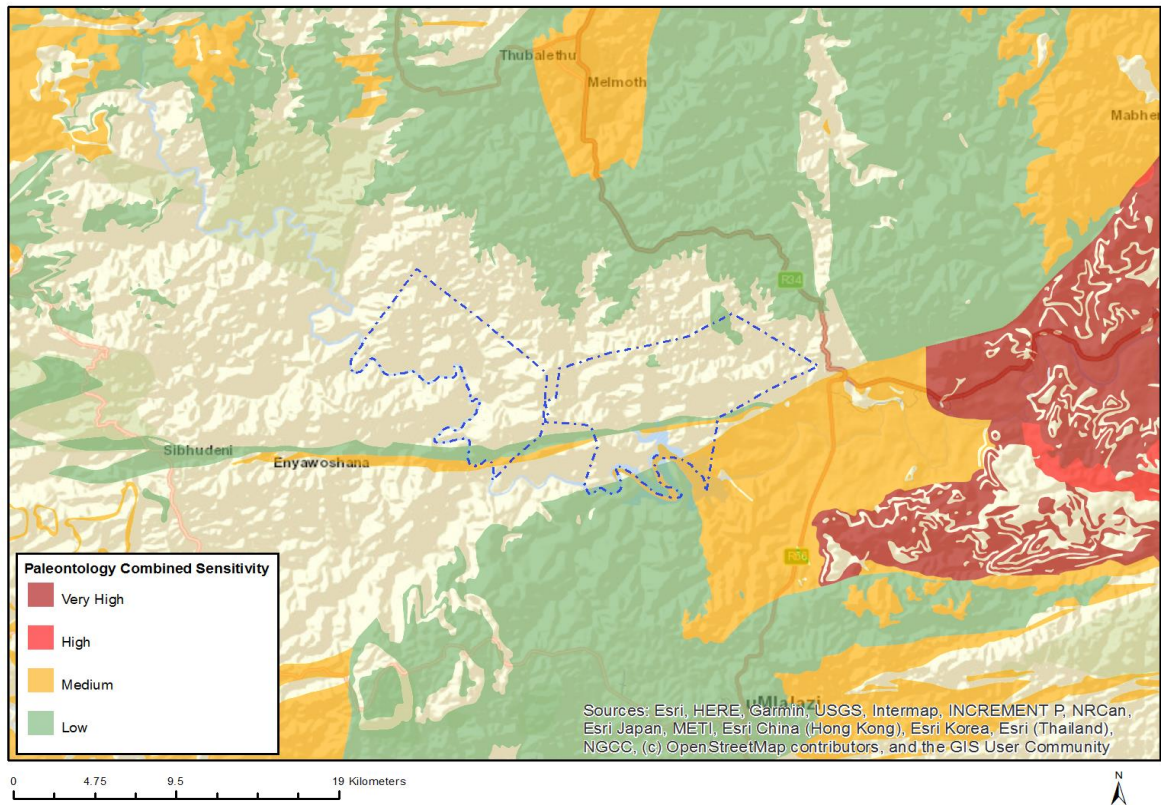


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------|
| Low | Low Sensitivity |

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

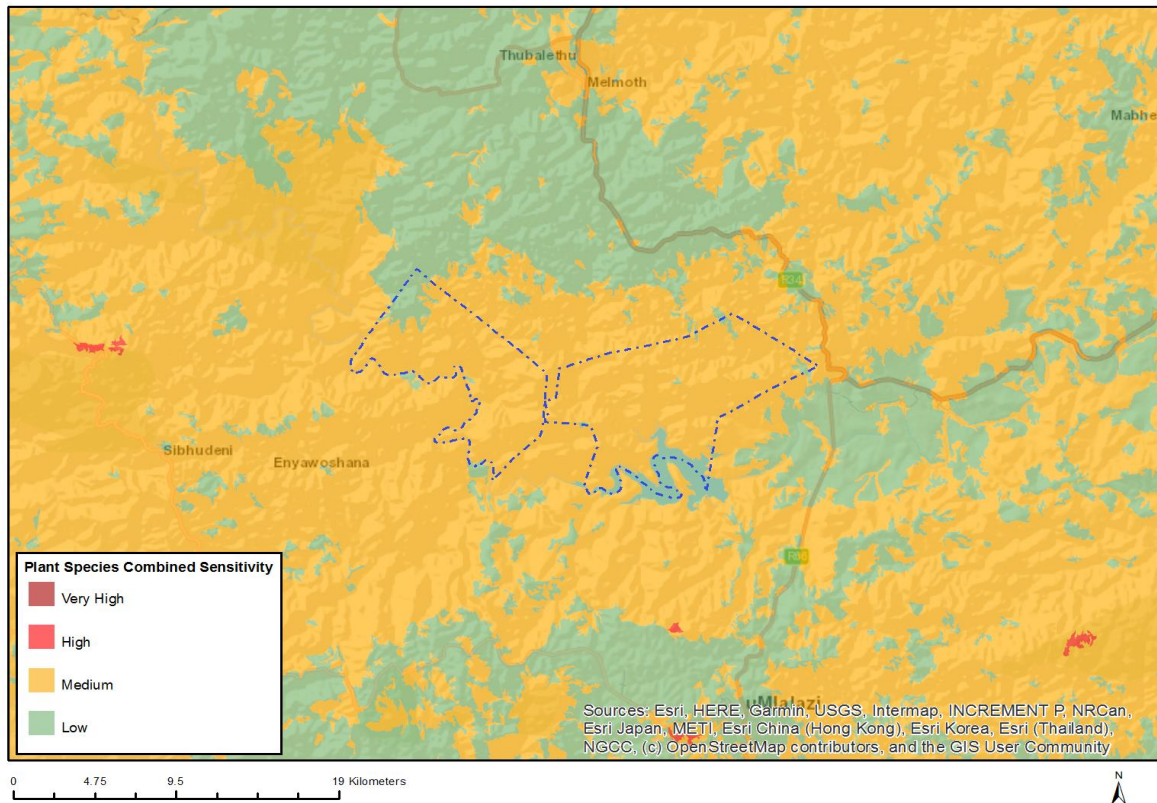


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| Low | Features with a Low paleontological sensitivity |
| Medium | Features with a Medium paleontological sensitivity |

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



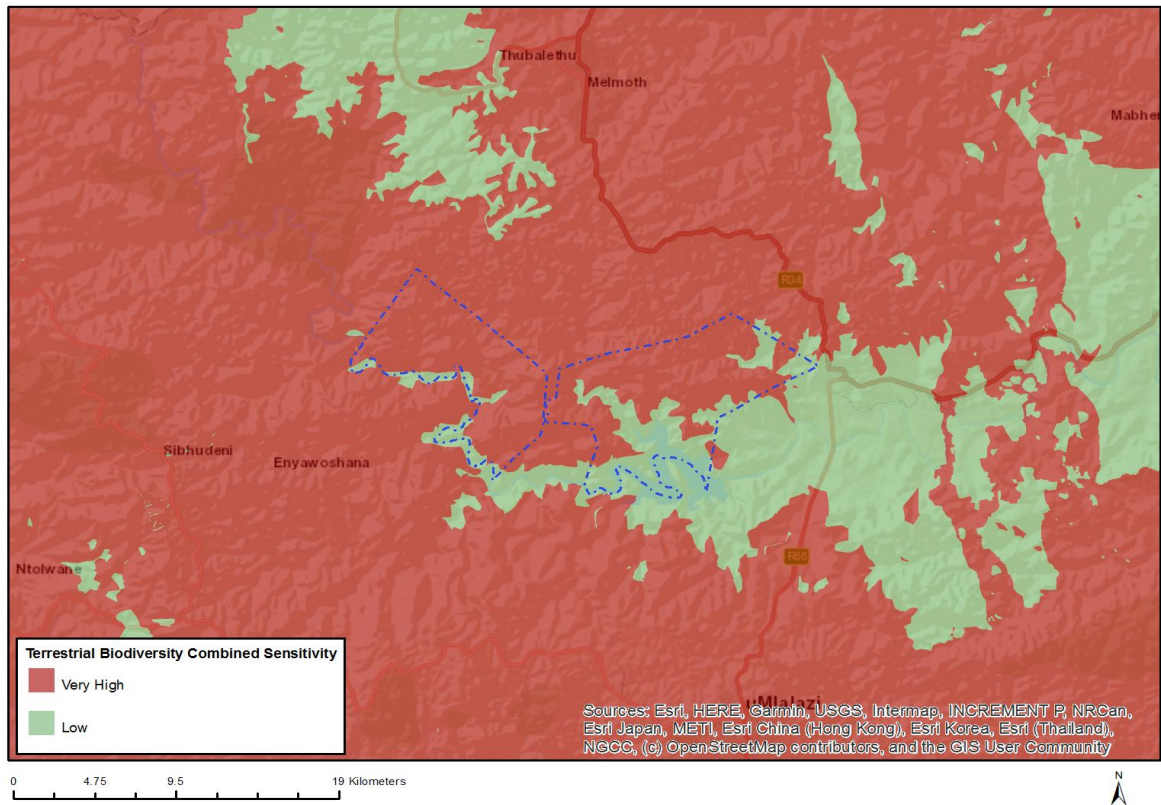
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------|
| Low | Low Sensitivity |
| Medium | Sensitive species 1252 |
| Medium | Selago zuluensis |
| Medium | Dierama dubium |
| Medium | Sensitive species 586 |
| Medium | Salpinctium natalense |
| Medium | Sensitive species 1076 |
| Medium | Sensitive species 277 |
| Medium | Disperis woodii |
| Medium | Gerbera aurantiaca |
| Medium | Sensitive species 191 |
| Medium | Prunus africana |

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| Low | Low Sensitivity |
| Very High | Critical Biodiversity Area |
| Very High | Forest |
| Very High | Focus Areas for land-based protected areas expansion |
| Very High | Vulnerable ecosystem |