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

.....

EIA Reference number: TBA

Project name: ABO Ujekamanzi WEF 1

Project title: ABO Ujekamanzi WEF 1

Date screening report generated: 20/04/2023 08:30:13

Applicant: ABO Ujekamanzi Wind Energy Facility 1

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**Compiler signature:** 

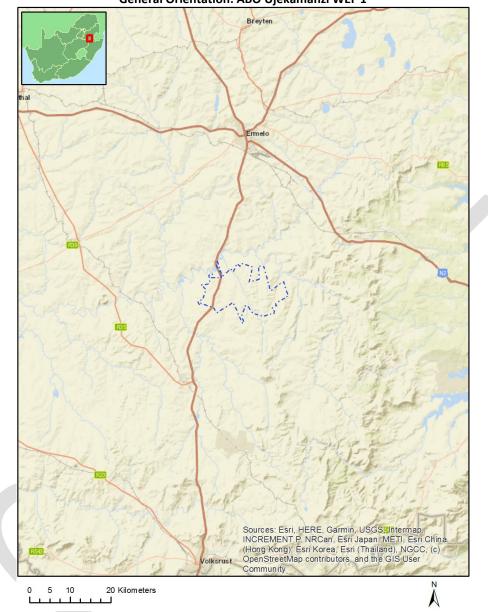
Application Category: Utilities Infrastructure | Electricity | Generation | Renewable | Wind

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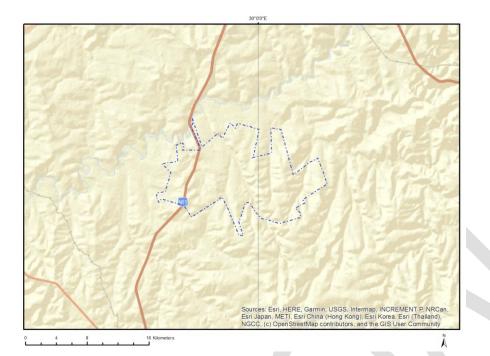
# **Proposed Project Location**

# Orientation map 1: General location



General Orientation: ABO Ujekamanzi WEF 1

# Map of proposed site and relevant area(s)



Cadastral details of the proposed site

#### Property details:

| No | Farm Name                 | Farm/<br>Erf No | Portion | Latitude     | Longitude    | Property<br>Type |
|----|---------------------------|-----------------|---------|--------------|--------------|------------------|
| 1  | VYFHOEK                   | 335             | 0       | 26°51'6.35S  | 30°3'42.89E  | Farm             |
| 2  | VAALBANKSPRUITDRIFT<br>IS | 334             | 0       | 26°52'27.07S | 30°0'37.82E  | Farm             |
| 3  | VAALKRANS                 | 475             | 0       | 26°48'7.74S  | 29°57'1.65E  | Farm             |
| 4  | MOOIFONTEIN               | 497             | 0       | 26°52'36.28S | 29°53'40.37E | Farm             |
| 5  | STRYDFONTEIN              | 500             | 0       | 26°51'45.67S | 29°56'30.32E | Farm             |
| 6  | BUHRMANNS PLAATS          | 332             | 0       | 26°47'13.96S | 30°2'49.38E  | Farm             |
| 7  | FAMILIEHOEK               | 333             | 0       | 26°48'7.75S  | 30°0'56.16E  | Farm             |
| 8  | VLAKFONTEIN               | 499             | 0       | 26°50'24.03S | 29°58'52.11E | Farm             |
| 9  | PIET-ZYN-DRIFT            | 476             | 0       | 26°48'47.39S | 29°54'42.85E | Farm             |
| 10 | BEGIN DER LYN             | 474             | 0       | 26°46'45.19S | 29°58'40.38E | Farm             |
| 11 | UITSPANNING               | 477             | 0       | 26°46'21.32S | 29°54'51.99E | Farm             |
| 12 | GOEDERTROUW               | 498             | 0       | 26°50'40.86S | 29°53'56.21E | Farm             |
| 13 | FAMILIEHOEK               | 333             | 5       | 26°49'7.18S  | 30°1'57.7E   | Farm Portion     |
| 14 | FAMILIEHOEK               | 333             | 6       | 26°48'39.19S | 30°1'13.55E  | Farm Portion     |
| 15 | VAALBANKSPRUITDRIFT<br>IS | 334             | 10      | 26°51'47.31S | 29°59'42.7E  | Farm Portion     |
| 16 | VYFHOEK                   | 335             | 0       | 26°50'45.76S | 30°2'21.72E  | Farm Portion     |
| 17 | VAALBANKSPRUITDRIFT<br>IS | 334             | 0       | 26°52'10.23S | 30°0'37.56E  | Farm Portion     |
| 18 | BEGIN DER LYN             | 474             | 11      | 26°47'56.35S | 29°58'29.75E | Farm Portion     |
| 19 | BEGIN DER LYN             | 474             | 13      | 26°47'47.88S | 29°59'19.43E | Farm Portion     |
| 20 | BUHRMANNS PLAATS          | 332             | 0       | 26°48'16.08S | 30°3'21.13E  | Farm Portion     |
| 21 | VYFHOEK                   | 335             | 7       | 26°49'25.93S | 30°3'34.83E  | Farm Portion     |
| 22 | BEGIN DER LYN             | 474             | 8       | 26°47'10.82S | 29°57'58.34E | Farm Portion     |
| 23 | BEGIN DER LYN             | 474             | 10      | 26°47'18.86S | 29°58'58.06E | Farm Portion     |
| 24 | FAMILIEHOEK               | 333             | 9       | 26°49'59.06S | 30°1'25.1E   | Farm Portion     |

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Disclaimer applies 20/04/2023

| 25 | VYFHOEK                   | 335 | 5       | 26°50'10.34S | 30°4'11.34E  | Farm Portion  |
|----|---------------------------|-----|---------|--------------|--------------|---------------|
| 26 | VAALKRANS                 | 475 | 4       | 26°49'20.12S | 29°56'43.63E | Farm Portion  |
| 27 | PIET-ZYN-DRIFT            | 476 | 13      | 26°48'51.23S | 29°56'1.73E  | Farm Portion  |
| 28 | PIET-ZYN-DRIFT            | 476 | 21      | 26°48'16.36S | 29°54'30.24E | Farm Portion  |
| 29 | PIET-ZYN-DRIFT            | 476 | 29      | 26°49'1.23S  | 29°55'39.06E | Farm Portion  |
| 30 | PIET-ZYN-DRIFT            | 476 | 2       | 26°49'26.64S | 29°55'7.76E  | Farm Portion  |
| 31 | PIET-ZYN-DRIFT            | 476 | 3       | 26°47'44.18S | 29°55'51.86E | Farm Portion  |
| 31 | PIET-ZYN-DRIFT            | 476 | 28      | 26°47'17.08S | 29°55'32.34E | Farm Portion  |
| 33 | BUHRMANNS PLAATS          | 332 | 1       | 26°46'16.66S | 30°2'20.1E   |               |
|    |                           |     |         |              |              | Farm Portion  |
| 34 | VAALBANKSPRUITDRIFT<br>IS | 334 | 5       | 26°52'1.3S   | 30°1'34.48E  | Farm Portion  |
| 35 | VAALBANKSPRUITDRIFT       | 334 | 8       | 26°51'15.53S | 30°1'12.87E  | Earm Dortion  |
| 35 | IS                        | 554 | 0       | 20 51 15.535 | 30 I IZ.87E  | Farm Portion  |
| 36 | VAALBANKSPRUITDRIFT       | 334 | 9       | 26°51'27.8S  | 30°0'17.98E  | Earm Dortion  |
| 30 | IS                        | 554 | 9       | 20 51 27.85  | 30 0 17.98E  | Farm Portion  |
| 27 |                           | 225 | 11      |              | 2082/0.025   | Forme Doution |
| 37 | VYFHOEK                   | 335 | 11<br>7 | 26°50'46.49S | 30°3'0.82E   | Farm Portion  |
| 38 | BEGIN DER LYN             | 474 |         | 26°46'56.235 | 29°59'11.45E | Farm Portion  |
| 39 | BEGIN DER LYN             | 474 | 1       | 26°48'29.195 | 29°59'17.53E | Farm Portion  |
| 40 |                           | 475 | 5       | 26°49'12.84S | 29°57'41.9E  | Farm Portion  |
| 41 | PIET-ZYN-DRIFT            | 476 | 22      | 26°50'9.885  | 29°54'49.91E | Farm Portion  |
| 42 | PIET-ZYN-DRIFT            | 476 | 26      | 26°48'46.4S  | 29°55'43.48E | Farm Portion  |
| 43 | UITSPANNING               | 477 | 2       | 26°46'51.39S | 29°54'43.96E | Farm Portion  |
| 44 | MOOIFONTEIN               | 497 | 11      | 26°51'17.14S | 29°53'3.09E  | Farm Portion  |
| 45 | GOEDERTROUW               | 498 | 3       | 26°51'9.09S  | 29°54'51.91E | Farm Portion  |
| 46 | VLAKFONTEIN               | 499 | 0       | 26°50'24.03S | 29°58'52.11E | Farm Portion  |
| 47 | FAMILIEHOEK               | 333 | 2       | 26°48'56.25S | 30°0'15.68E  | Farm Portion  |
| 48 | FAMILIEHOEK               | 333 | 3       | 26°47'11.49S | 30°0'27.91E  | Farm Portion  |
| 49 | VYFHOEK                   | 335 | 10      | 26°50'43.19S | 30°1'36.4E   | Farm Portion  |
| 50 | VAALKRANS                 | 475 | 0       | 26°47'57.75S | 29°56'54.41E | Farm Portion  |
| 51 | PIET-ZYN-DRIFT            | 476 | 5       | 26°49'51.23S | 29°56'22.07E | Farm Portion  |
| 52 | PIET-ZYN-DRIFT            | 476 | 8       | 26°48'1.63S  | 29°55'28.14E | Farm Portion  |
| 53 | PIET-ZYN-DRIFT            | 476 | 7       | 26°48'24.76S | 29°55'30.79E | Farm Portion  |
| 54 | PIET-ZYN-DRIFT            | 476 | 32      | 26°50'10.82S | 29°55'6.18E  | Farm Portion  |
| 55 | PIET-ZYN-DRIFT            | 476 | 33      | 26°50'40.14S | 29°54'55.95E | Farm Portion  |
| 56 | UITSPANNING               | 477 | 0       | 26°45'52.85S | 29°55'26.32E | Farm Portion  |
| 57 | STRYDFONTEIN              | 500 | 8       | 26°51'46.31S | 29°55'32.69E | Farm Portion  |
| 58 | STRYDFONTEIN              | 500 | 9       | 26°50'59.8S  | 29°55'56.69E | Farm Portion  |
| 59 | FAMILIEHOEK               | 333 | 1       | 26°49'41.04S | 30°0'36.71E  | Farm Portion  |
| 60 | FAMILIEHOEK               | 333 | 4       | 26°47'35.68S | 30°1'27.24E  | Farm Portion  |
| 61 | VYFHOEK                   | 335 | 6       | 26°50'24.52S | 30°3'21.39E  | Farm Portion  |
| 62 | VAALKRANS                 | 475 | 2       | 26°48'27.95S | 29°57'43.52E | Farm Portion  |
| 63 | VAALKRANS                 | 475 | 3       | 26°48'48.48S | 29°56'47.69E | Farm Portion  |
| 64 | PIET-ZYN-DRIFT            | 476 | 11      | 26°50'18.64S | 29°55'31.46E | Farm Portion  |
| 65 | PIET-ZYN-DRIFT            | 476 | 12      | 26°48'33.23S | 29°54'54.35E | Farm Portion  |
| 66 | PIET-ZYN-DRIFT            | 476 | 7       | 26°48'24.76S | 29°55'30.79E | Farm Portion  |
| 67 | PIET-ZYN-DRIFT            | 476 | 6       | 26°49'13.61S | 29°56'1.61E  | Farm Portion  |
| 68 | PIET-ZYN-DRIFT            | 476 | 25      | 26°49'15.69S | 29°54'20.18E | Farm Portion  |
| 69 | PIET-ZYN-DRIFT            | 476 | 10      | 26°47'41.9S  | 29°54'56.87E | Farm Portion  |
| 70 | PIET-ZYN-DRIFT            | 476 | 10      | 26°48'42.81S | 29°55'34.45E | Farm Portion  |
| 70 | GOEDERTROUW               | 498 | 1       | 26°50'20.84S | 29°54'3.42E  | Farm Portion  |
| 71 | STRYDFONTEIN              | 500 | 1       | 26°50'59.04S | 29°56'48.14E | Farm Portion  |
| 72 | PIET-ZYN-DRIFT            | 476 | 30      | 26°48'19.64S | 29°55'51.54E | Farm Portion  |
| 73 | STRYDFONTEIN              | 500 | 0       | 26°52'10.66S | 29°57'28.64E | Farm Portion  |
| 74 | VAALBANKSPRUITDRIFT       | 334 | 15      | 26°52'25.8S  | 29°58'31.68E |               |
| 15 | IS                        | 554 | 13      | 20 32 23.83  | 29 30 31.08E | Farm Portion  |
| 76 | VAALBANKSPRUITDRIFT       | 334 | 7       | 26°52'8.31S  | 30°2'12.37E  | Farm Portion  |
| 70 |                           | 334 | '       | 20 22 0.313  | 30 2 12.3/E  |               |
| 77 | IS                        | 225 | 2       | 26°E1'2E 1EC | 20°2'51 545  | Earm Dortion  |
|    | VYFHOEK                   | 335 |         | 26°51'35.155 | 30°2'51.54E  | Farm Portion  |
| 78 | PIET-ZYN-DRIFT            | 476 | 27<br>C | 26°49'17.16S | 29°55'34.34E | Farm Portion  |
| 79 | PIET-ZYN-DRIFT            | 476 | 6       | 26°49'13.61S | 29°56'1.61E  | Farm Portion  |

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Development footprint<sup>1</sup> 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 | EIA Reference<br>No | Classification | Status of<br>application | Distance from proposed<br>area (km) |
|----|---------------------|----------------|--------------------------|-------------------------------------|
| 1  | 14/12/16/3/3/2/752  | Solar PV       | Approved                 | 28.8                                |
| 2  | 14//12/16/3/3/2/752 | Solar PV       | Approved                 | 28.8                                |

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: Utilities Infrastructure | Electricity | Generation | Renewable | Wind.

#### 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.

| Incentive, restriction or prohibition | Implication  |
|---------------------------------------|--|
| Air Quality-Highveld                  | https://screening.environment.gov.za/ScreeningDownloads/Developmen |
| Priority Area                         | tZones/HIGHVELD_PRIORITY_AREA_AQMP.pdf                             |

#### 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

<sup>&</sup>lt;sup>1</sup> "development footprint", means the area within the site on which the development will take place and incudes 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.

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   | High        | Medium      | Low         |
|--------------------------------|-------------|-------------|-------------|-------------|
|                                | sensitivity | sensitivity | sensitivity | sensitivity |
| Agriculture Theme              | Х           |             |             |             |
| Animal Species Theme           |             | Х           |             |             |
| Aquatic Biodiversity Theme     | Х           |             |             |             |
| Archaeological and Cultural    | Х           |             |             |             |
| Heritage Theme                 |             |             |             |             |
| Avian (Wind) Theme             |             |             |             | Х           |
| Bats (Wind) Theme              |             | Х           |             |             |
| Civil Aviation (Wind) Theme    |             | Х           |             |             |
| Defence (Wind) Theme           |             |             |             | Х           |
| Flicker Theme                  | Х           |             |             |             |
| Landscape (Wind) Theme         | Х           |             |             |             |
| Paleontology Theme             | Х           |             |             |             |
| Noise Theme                    | Х           |             |             |             |
| Plant Species Theme            |             |             | X           |             |
| RFI (Wind) Theme               |             | Х           |             |             |
| Terrestrial Biodiversity Theme | Х           |             |             |             |

#### Specialist assessments identified

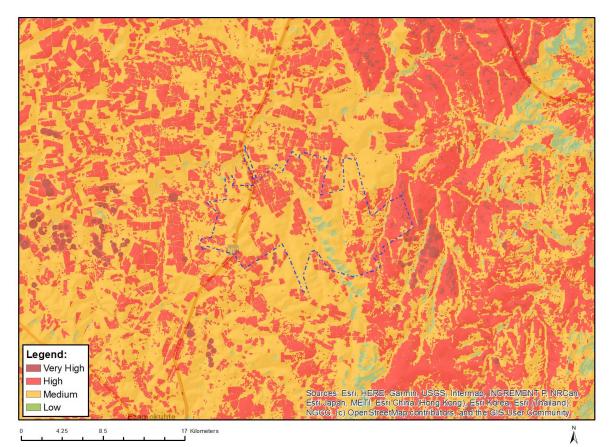
Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report,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

| No         | Specialist                                     | Assessment Protocol   |
|------------|--|---|
|            | assessment                                     |   |
| 1          | Agricultural Impact<br>Assessment              | https://screening.environment.gov.za/ScreeningDownloads/Asse  |
|            | , boostinent                                   | ssmentProtocols/Gazetted_WindAndSolar_Agriculture_Assessme<br>nt_Protocols.pdf  |
| 2          | Landscape/Visual Impact                        | https://screening.environment.gov.za/ScreeningDownloads/Asse  |
|            | Assessment                                     | <u>ssmentProtocols/Gazetted_General_Requirement_Assessment_P</u><br>rotocols.pdf  |
| 3          | Archaeological and<br>Cultural Heritage Impact | https://screening.environment.gov.za/ScreeningDownloads/Asse<br>ssmentProtocols/Gazetted General Requirement Assessment P |
|            | Assessment                                     | rotocols.pdf  |
| 4          | Palaeontology Impact<br>Assessment             | https://screening.environment.gov.za/ScreeningDownloads/Asse  |
| Assessment |  | <u>ssmentProtocols/Gazetted_General_Requirement_Assessment_P</u><br>rotocols.pdf  |
| 5          | Terrestrial Biodiversity                       | https://screening.environment.gov.za/ScreeningDownloads/Asse  |
|            | Impact Assessment                              | ssmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_   |
|            |  | Protocols.pdf   |
| 6          | Aquatic Biodiversity<br>Impact Assessment      | https://screening.environment.gov.za/ScreeningDownloads/Asse  |
|            |  | <pre>ssmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Pr otocols.pdf</pre>  |
| 7          | Avian Impact Assessment                        | https://screening.environment.gov.za/ScreeningDownloads/Asse  |
|            |  | ssmentProtocols/Gazetted_Avifauna_Assessment_Protocols.pdf  |

| SsmentProtocols/Gazetted_Civil_a     nt_Protocols.pdf     Defense Assessment https://screening.environment.go  | Aviation_Installations_Assessme |
|--|---------------------------------|
|  |                                 |
| 9 Defense Assessment https://screening.environment.go  |                                 |
| <u>incepsity server ingletty for the server of the server is the server of the server of</u> | ov.za/ScreeningDownloads/Asse   |
| ssmentProtocols/Gazetted_Defer   | nce_Installations_Assessment_Pr |
| <u>otocols.pdf</u>   |                                 |
| 10 RFI Assessment <u>https://screening.environment.gc</u>  | ov.za/ScreeningDownloads/Asse   |
| ssmentProtocols/Gazetted_Gener   | ral_Requirement_Assessment_P    |
| <u>rotocols.pdf</u>  |                                 |
| 11 Noise Impact Assessment <u>https://screening.environment.gc</u>   | ov.za/ScreeningDownloads/Asse   |
| ssmentProtocols/Gazetted_Noise   | e_Impacts_Assessment_Protocol.  |
| <u>pdf</u>   |                                 |
| 12 Flicker Assessment <u>https://screening.environment.gc</u>  | ov.za/ScreeningDownloads/Asse   |
| ssmentProtocols/Gazetted_Gener   | ral Requirement Assessment P    |
| <u>rotocols.pdf</u>  |                                 |
| 13   Traffic Impact   https://screening.environment.go   | ov.za/ScreeningDownloads/Asse   |
| Assessment <u>ssmentProtocols/Gazetted_Gener</u>   | ral Requirement Assessment P    |
| <u>rotocols.pdf</u>  |                                 |
| 14 Geotechnical Assessment <u>https://screening.environment.gc</u>   | ov.za/ScreeningDownloads/Asse   |
| ssmentProtocols/Gazetted_Gene  | ral Requirement Assessment P    |
| rotocols.pdf   |                                 |
| 15 Socio-Economic <u>https://screening.environment.gc</u>  | ov.za/ScreeningDownloads/Asse   |
| Assessment <u>ssmentProtocols/Gazetted_Gener</u>   | ral Requirement Assessment P    |
| rotocols.pdf   |                                 |
| 16 Plant Species Assessment <u>https://screening.environment.gc</u>  | ov.za/ScreeningDownloads/Asse   |
| ssmentProtocols/Gazetted_Plant   | Species Assessment Protocols.   |
| <u>pdf</u>   |                                 |
| 17 Animal Species <u>https://screening.environment.gc</u>  | ov.za/ScreeningDownloads/Asse   |
| Assessment ssmentProtocols/Gazetted_Anima  | al Species Assessment Protoco   |
| <u>ls.pdf</u>  |                                 |

# 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.



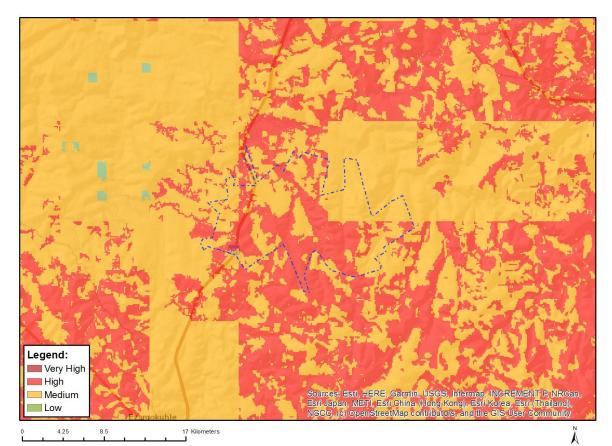
## MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

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

| Sensitivity | Feature(s)  |
|-------------|---|
| High        | Land capability;09. Moderate-High/10. Moderate-High   |
| High        | Annual Crop Cultivation / Planted Pastures Rotation;Land capability;09. Moderate-High/10. Moderate-<br>High                             |
| High        | Annual Crop Cultivation / Planted Pastures Rotation;Land capability;06. Low-Moderate/07. Low-<br>Moderate/08. Moderate                  |
| High        | Old Fields;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate   |
| High        | Old Fields;Land capability;09. Moderate-High/10. Moderate-High  |
| High        | Annual Crop Cultivation / Planted Pastures Rotation;Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low |
| High        | Old Fields;Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low  |

| 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          |
| Very High | Pivot Irrigation;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate                     |
| Very High | Annual Crop Cultivation / Planted Pastures Rotation;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



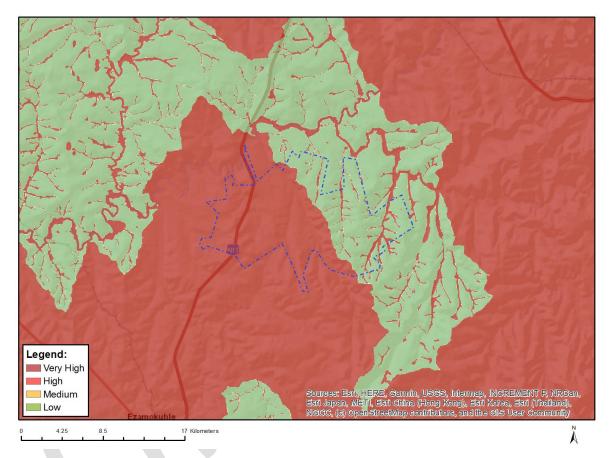
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at <u>eiadatarequests@sanbi.org.za</u> listing all sensitive species 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 |
|-----------------------|------------------|--------------------|-----------------|
|                       | Х                |                    |                 |

| Sensitivity | Feature(s)                    |  |
|-------------|-------------------------------|--|
| High        | Aves-Balearica regulorum      |  |
| High        | Aves-Geronticus calvus        |  |
| High        | Aves-Sagittarius serpentarius |  |
| Medium      | Aves-Hydroprogne caspia       |  |
| Medium      | Aves-Neotis denhami           |  |
| Medium      | Aves-Balearica regulorum      |  |

| Medium | Aves-Geronticus calvus           |  |
|--------|----------------------------------|--|
| Medium | Aves-Eupodotis senegalensis      |  |
| Medium | Aves-Sagittarius serpentarius    |  |
| Medium | Sensitive species 23             |  |
| Medium | Aves-Tyto capensis               |  |
| Medium | Insecta-Lepidochrysops procera   |  |
| Medium | Mammalia-Chrysospalax villosus   |  |
| Medium | Mammalia-Crocidura maquassiensis |  |
| Medium | Mammalia-Ourebia ourebi ourebi   |  |

# MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

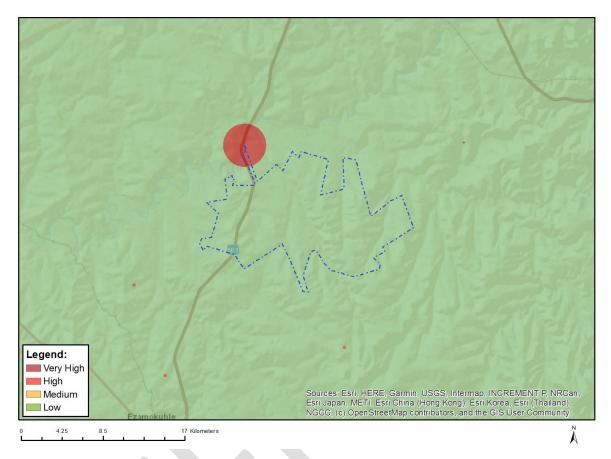


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| Х                     |                  |                    |                 |

#### **Sensitivity Features:**

| Sensitivity | Feature(s)  |
|-------------|---|
| Low         | Low sensitivity                                       |
| Very High   | Aquatic CBAs  |
| Very High   | Wetlands and Estuaries                                |
| Very High   | Freshwater ecosystem priority area quinary catchments |

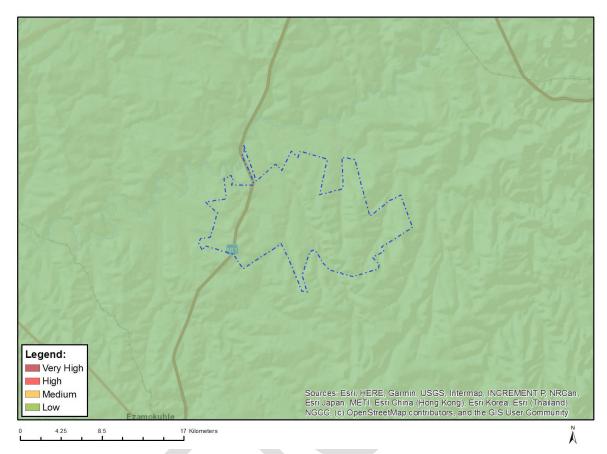
# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



| Very High sen | sitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|---------------|----------|------------------|--------------------|-----------------|
| Х             |          |                  |                    |                 |

| Sensitivity | Feature(s)                             |
|-------------|--|
| Low         | Low sensitivity                        |
| Very High   | Within 2km of a Grade II Heritage site |

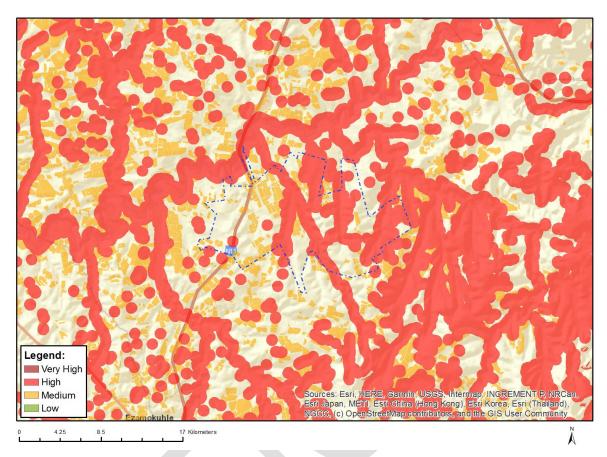
## MAP OF RELATIVE AVIAN (WIND) THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       |                  |                    | Х               |

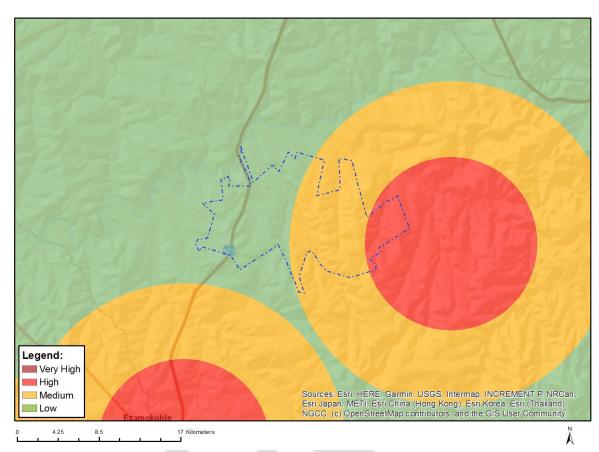
| Sensitivity | Feature(s)                 |
|-------------|----------------------------|
| Low         | Area Outside Sensitivities |
|             |                            |

## MAP OF RELATIVE BATS (WIND) THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       | Х                |                    |                 |

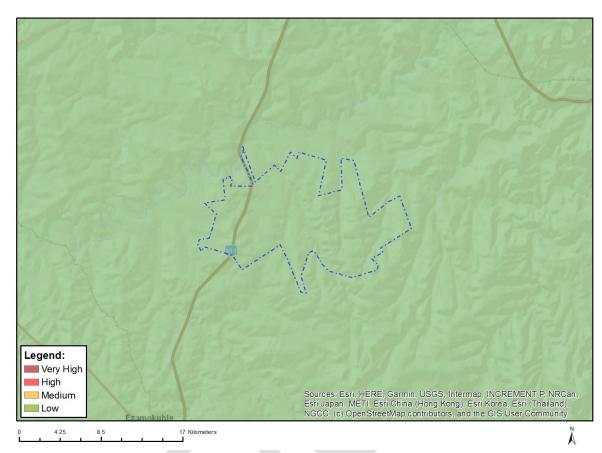
| Sensitivity | Feature(s)                |
|-------------|---------------------------|
| High        | Within 500 m of a river   |
| High        | Wetland                   |
| High        | Within 500 m of a wetland |
| Medium      | Croplands                 |



## MAP OF RELATIVE CIVIL AVIATION (WIND) THEME SENSITIVITY

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       | Х                |                    |                 |

| 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 |

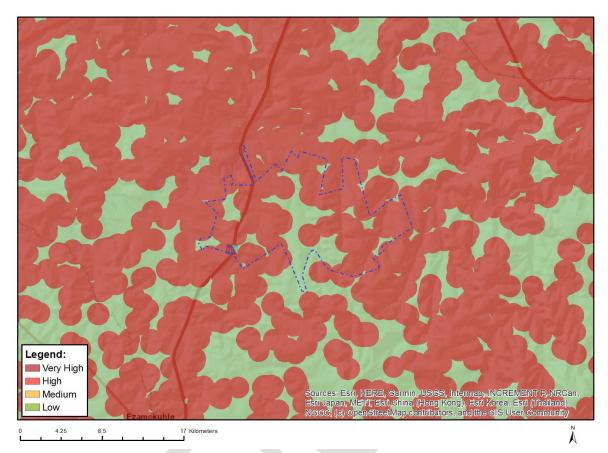


## MAP OF RELATIVE DEFENCE (WIND) THEME SENSITIVITY

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       |                  |                    | Х               |

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

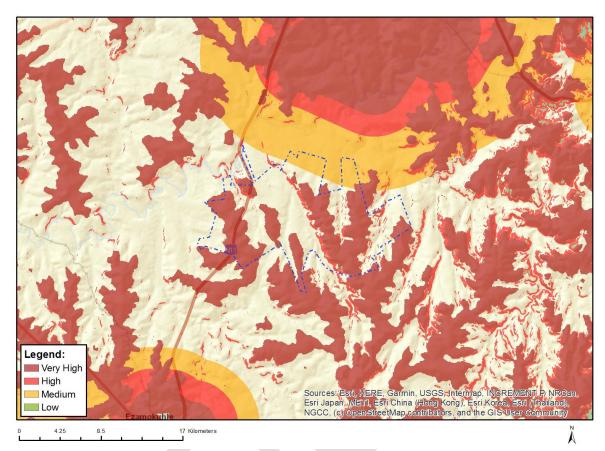
#### MAP OF RELATIVE FLICKER THEME SENSITIVITY



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

| Sensitivity | Feature(s)   |
|-------------|--|
| Low         | Area of low sensitivity                                  |
| Very High   | Potential temporarily or permanently inhabited residence |

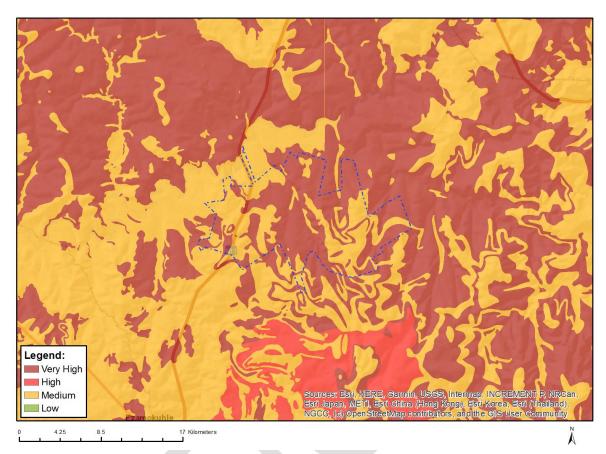
## MAP OF RELATIVE LANDSCAPE (WIND) THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| х                     |                  |                    |                 |

| Sensitivity | Feature(s)  |
|-------------|---|
| High        | Slope between 1:4 and 1:10  |
| Low         | Slope less than 1:10  |
| Medium      | Between 5 and 10 km of a nature reserve, botanical garden or other protected area |
| Very High   | Mountain tops and high ridges   |
| Very High   | Slope more than 1:4   |

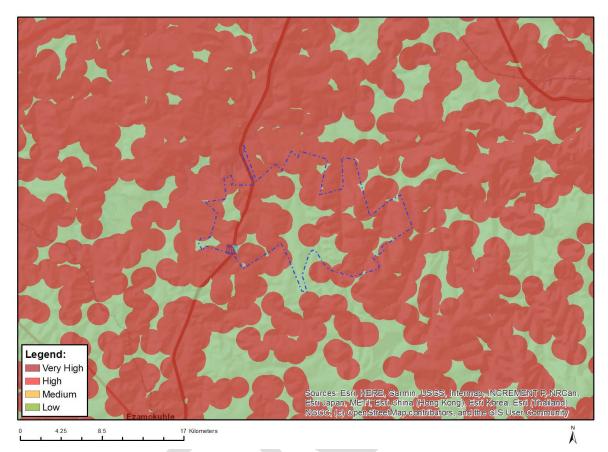
#### MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



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

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

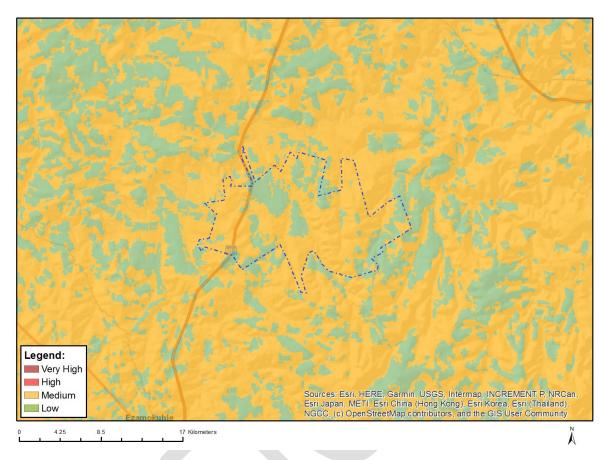
#### MAP OF RELATIVE NOISE THEME SENSITIVITY



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

| Sensitivity | Feature(s)   |
|-------------|--|
| Low         | Area of low sensitivity                                  |
| Very High   | Potential temporarily or permanently inhabited residence |

## 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 <u>eiadatarequests@sanbi.org.za</u> 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 |
|-----------------------|------------------|--------------------|-----------------|
|                       |                  | Х                  |                 |

| Sensitivity | Feature(s)                   |  |
|-------------|------------------------------|--|
| Low         | Low Sensitivity              |  |
| Medium      | Sensitive species 1252       |  |
| Medium      | Sensitive species 314        |  |
| Medium      | Aspidoglossum xanthosphaerum |  |
| Medium      | Sensitive species 41         |  |
| Medium      | Sensitive species 691        |  |
| Medium      | Sensitive species 998        |  |
| Medium      | Sensitive species 321        |  |
| Medium      | Sensitive species 851        |  |
| Medium      | Zaluzianskya distans         |  |

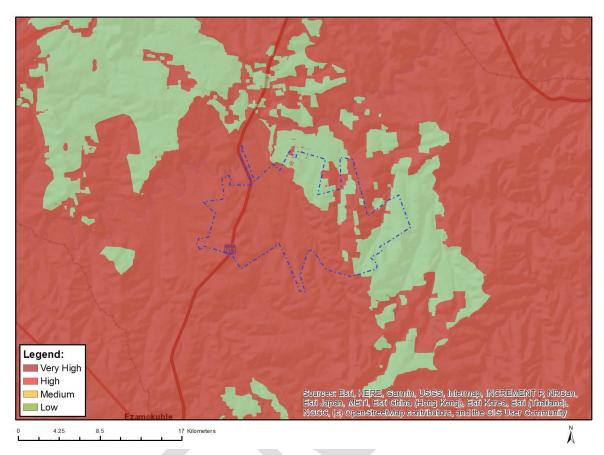
# 

## MAP OF RELATIVE RFI (WIND) THEME SENSITIVITY

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       | Х                |                    |                 |

| Sensitivity | Feature(s)   |
|-------------|--|
| High        | Within 1 km of a telecommunication facility;None;Between 30 and 60 km from a Weather Radar |
|             | installation and within the radar's line of sight  |
| Medium      | Low sensitivity for telecommunications;None;Between 30 and 60 km from a Weather Radar      |
|             | installation and within the radar's line of sight  |

#### MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| Х                     |                  |                    |                 |

| Sensitivity | Feature(s)                              |  |
|-------------|---|--|
| Low         | Low Sensitivity                         |  |
| Very High   | Critical biodiveristy area 1            |  |
| Very High   | Critical biodiveristy area 2            |  |
| Very High   | Ecological support area: local corridor |  |
| Very High   | FEPA Subcatchments                      |  |
| Very High   | Protected Areas Expansion Strategy      |  |
| Very High   | Vulnerable ecosystem                    |  |