

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

**EIA Reference number:** Baden Powell

**Project name:** Baden Powel Roundabout

**Project title:** Macassar

**Date screening report generated:** 12/02/2026 11:27:09

**Applicant:** TEP

**Compiler:** Kathryn Ross

**Compiler signature:**

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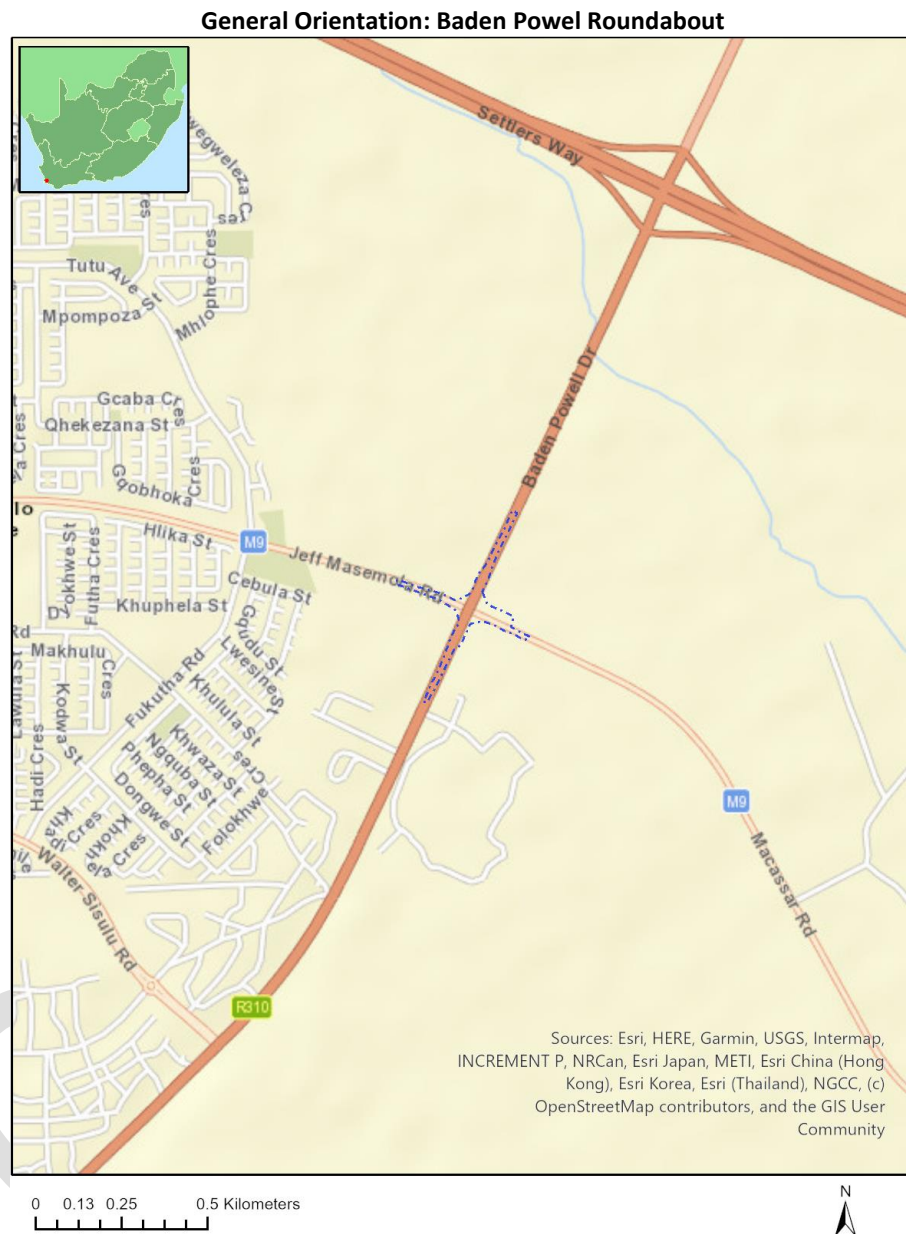
**Application Category:** Infrastructure | Transport Services | Roads | Public

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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  | KHAYELITSHA | 18332        | 0       | 34°3'26.24S | 18°42'19.74E | Erven         |
| 2  | DRIFT SANDS | 544          | 0       | 34°4'15.43S | 18°42'9.64E  | Farm          |
| 3  | VERGENOEGD  | 547          | 0       | 34°2'38.81S | 18°43'8.83E  | Farm          |
| 4  | DRIFT SANDS | 544          | 0       | 34°2'55.66S | 18°43'22.5E  | Farm Portion  |
| 5  | VERGENOEGD  | 547          | 2       | 34°2'53.3S  | 18°43'5.27E  | Farm Portion  |
| 6  | VERGENOEGD  | 547          | 0       | 34°2'46.51S | 18°43'21.74E | Farm Portion  |
| 7  | VERGENOEGD  | 547          | 3       | 34°2'34.48S | 18°43'1.94E  | Farm Portion  |

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 No       | Classification | Status of application | Distance from proposed area (km) |
|----|------------------------|----------------|-----------------------|----------------------------------|
| 1  | 16/3/3/2/A3/54/2018/24 | Solar PV       | Approved              | 9.2                              |

<sup>1</sup> "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.

|   |                     |          |          |     |
|---|---------------------|----------|----------|-----|
| 2 | 14/12/16/3/3/2/2498 | Solar PV | Approved | 7.8 |
|---|---------------------|----------|----------|-----|

## 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:

**Infrastructure | Transport Services | Roads | Public.**

### 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                                                                                                                                                                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strategic Transmission Corridor-Central corridor | <a href="https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf">https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf</a>                           |
| Main Electricity Distribution Substation         | <a href="https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Distribution_Transmission.pdf">https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Distribution_Transmission.pdf</a> |

### 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

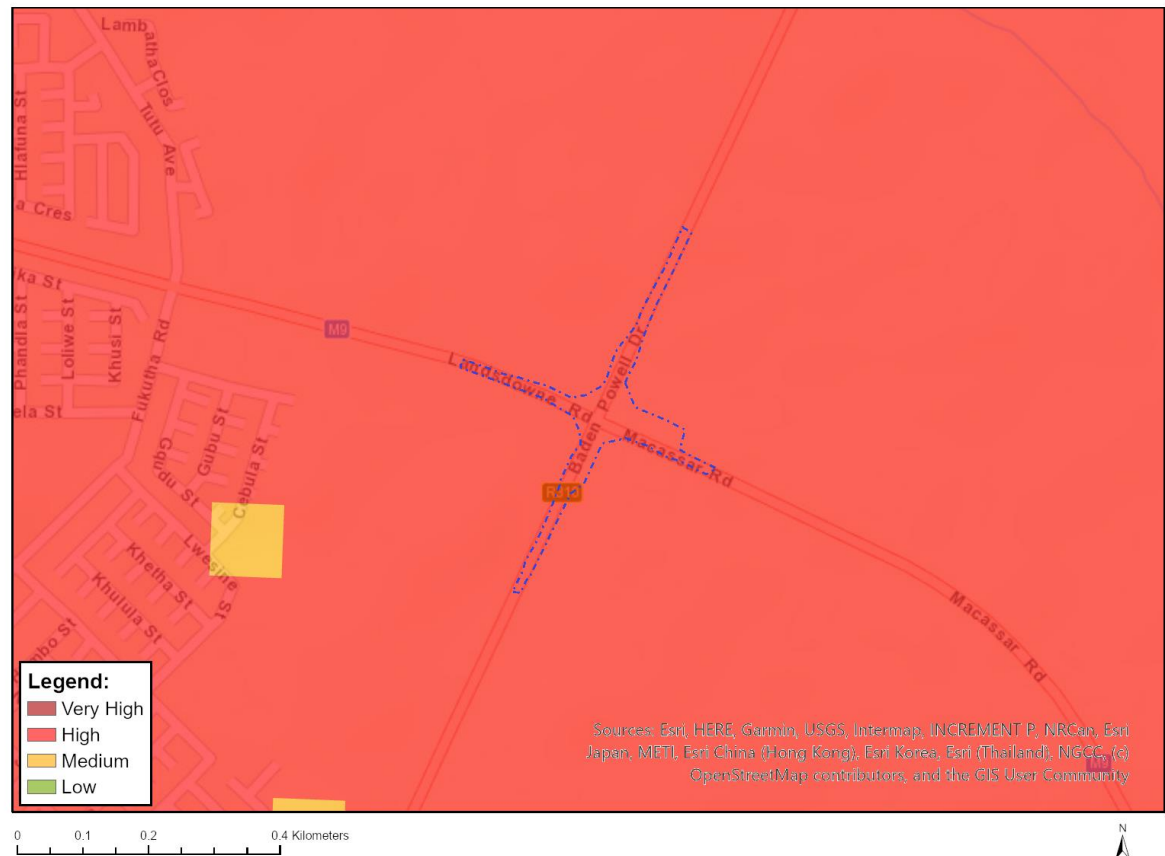
Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report,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

| No | Specialist assessment                                  | Assessment Protocol                                                                                                                                                                                                                                                                         |
|----|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Agricultural Impact Assessment                         | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf</a>           |
| 2  | Landscape/Visual Impact Assessment                     | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf</a>           |
| 3  | Archaeological and Cultural Heritage Impact Assessment | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforHIA.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforHIA.pdf</a>                                                                                 |
| 4  | Palaeontology Impact Assessment                        | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforPIA.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforPIA.pdf</a>                                                                                 |
| 5  | Terrestrial Biodiversity Impact Assessment             | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf</a> |
| 6  | Aquatic Biodiversity Impact Assessment                 | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf</a>         |
| 7  | Noise Impact Assessment                                | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf</a>                         |
| 8  | Traffic Impact Assessment                              | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf</a>           |
| 9  | Geotechnical Assessment                                | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf</a>           |
| 10 | Socio-Economic Assessment                              | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf</a>           |
| 11 | Ambient Air Quality Impact Assessment                  | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf</a>           |
| 12 | Plant Species Assessment                               | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf</a>                       |
| 13 | Animal Species Assessment                              | <a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf</a>                     |

# 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

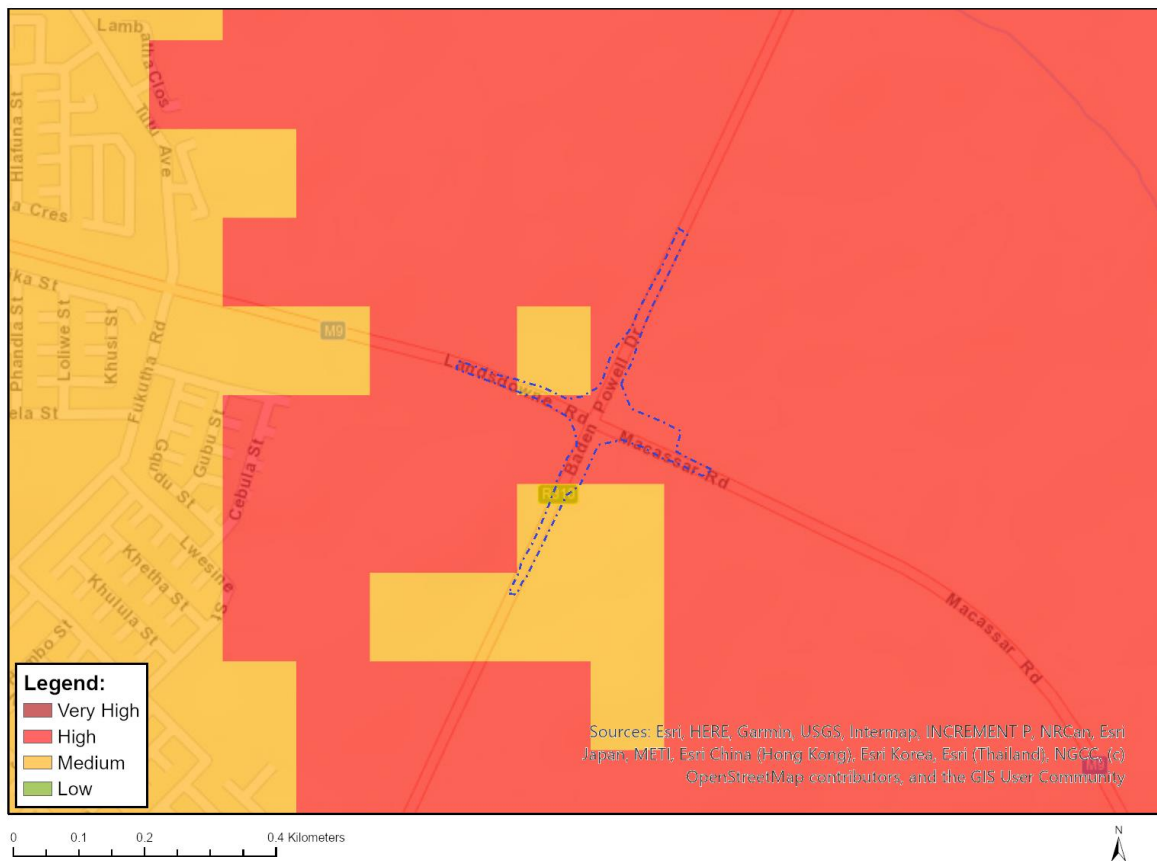


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       | X                |                    |                 |

### Sensitivity Features:

| Sensitivity | Feature(s)        |
|-------------|-------------------|
| High        | 09. Moderate-High |
| High        | 08. Moderate      |

## 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](mailto: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-Circus ranivorus                |
| Medium      | Aves-Circus maurus                   |
| Medium      | Aves-Afrotis afra                    |
| Medium      | Invertebrate-Frankenbergerius opacus |
| Medium      | Invertebrate-Pachysoma aesculapius   |

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

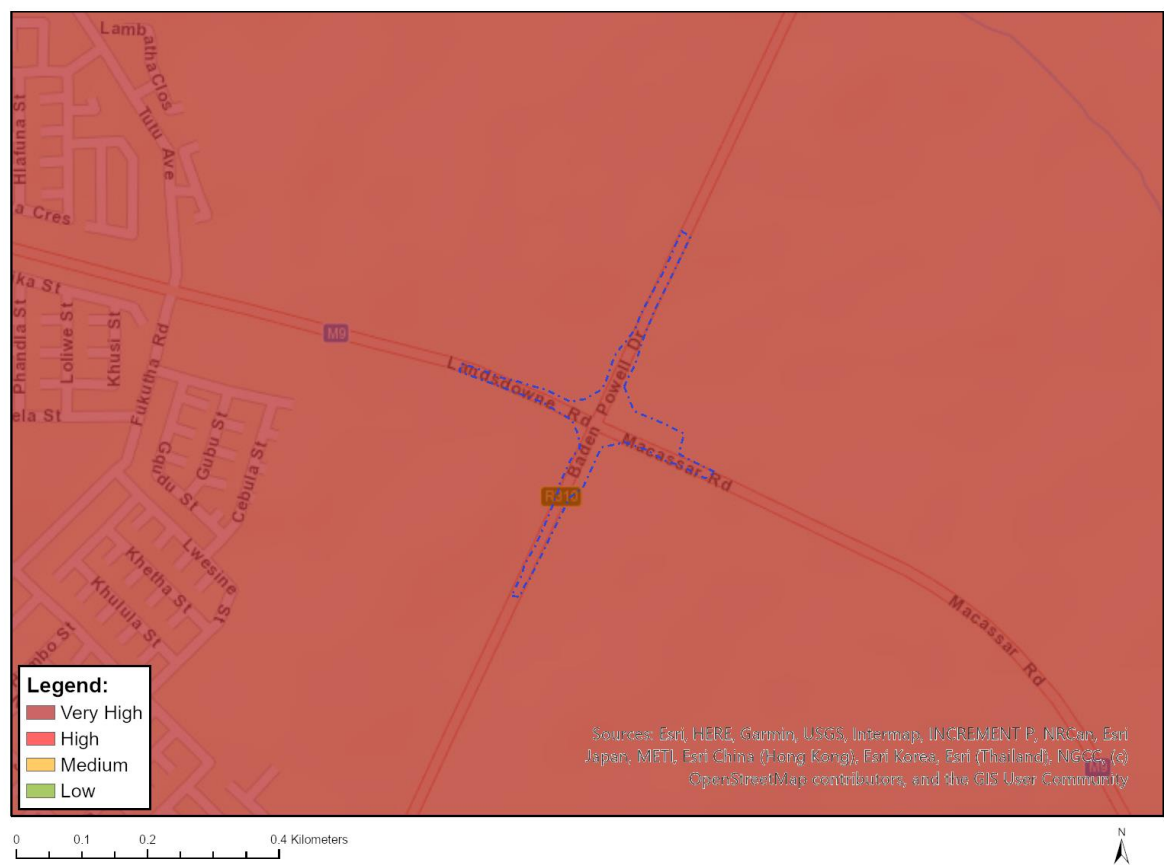


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X                     |                  |                    |                 |

Sensitivity Features:

| Sensitivity | Feature(s)          |
|-------------|---------------------|
| Low         | Low Sensitivity     |
| Very High   | Wetlands_Depression |

# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

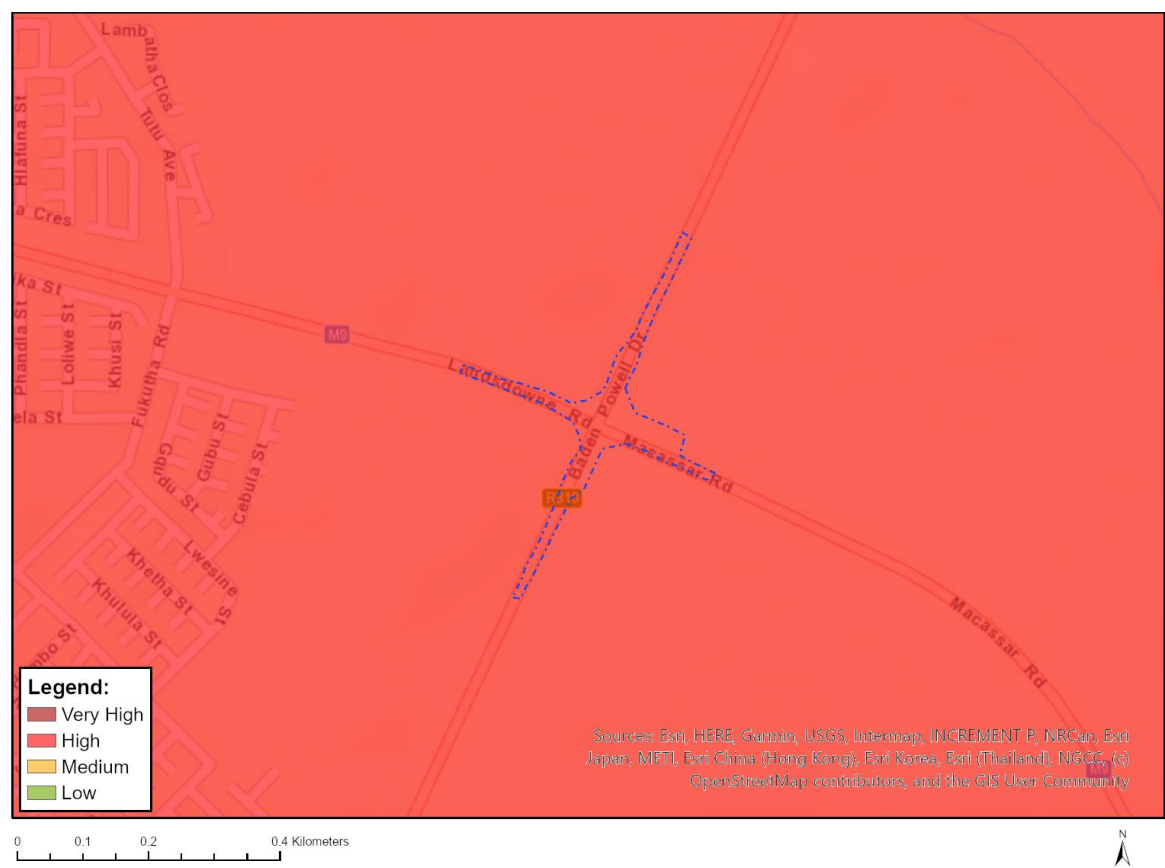


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X                     |                  |                    |                 |

## Sensitivity Features:

| Sensitivity | Feature(s)                            |
|-------------|---------------------------------------|
| Very High   | Within 5km of a Grade I Heritage site |

# MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

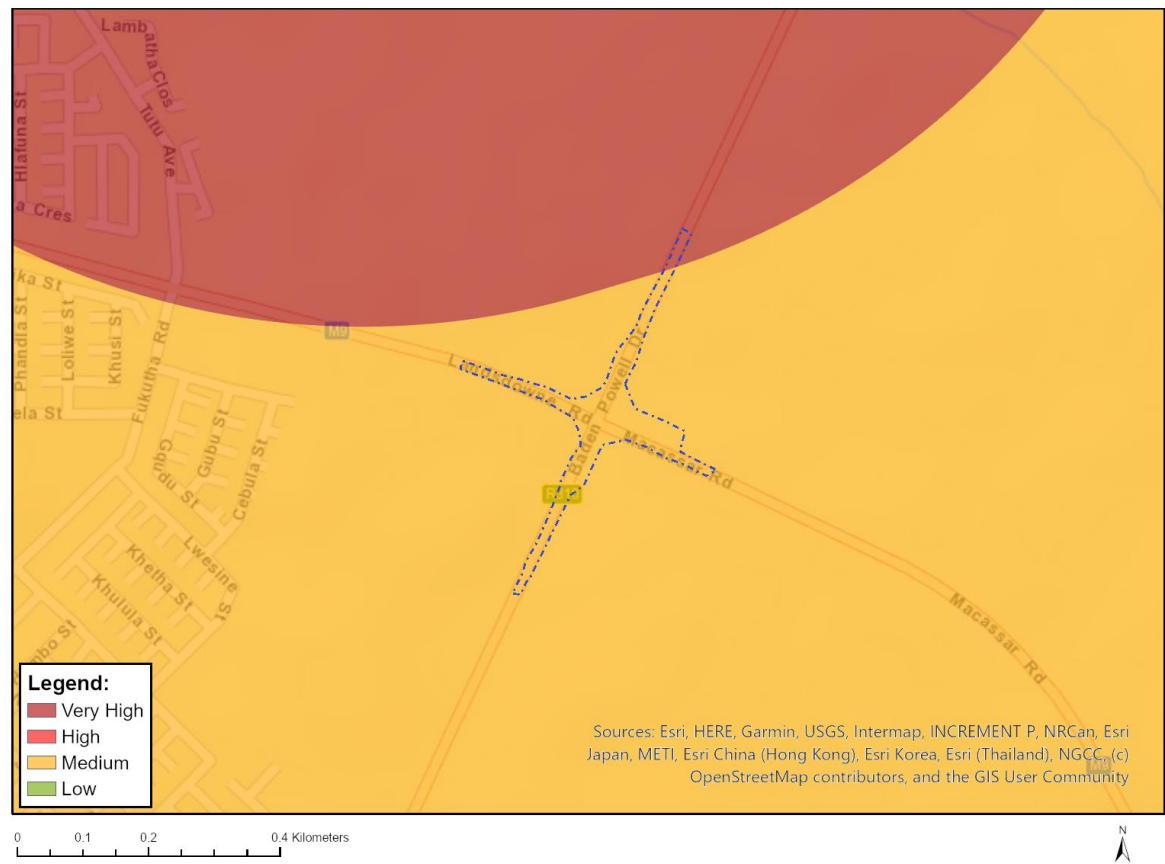


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       | X                |                    |                 |

## Sensitivity Features:

| Sensitivity | Feature(s)                                                |
|-------------|-----------------------------------------------------------|
| High        | Within 15 km of a civil aviation radar                    |
| High        | Between 8 and 15 km from a major civil aviation aerodrome |
| Medium      | Between 8 and 15 km of other civil aviation aerodrome     |

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

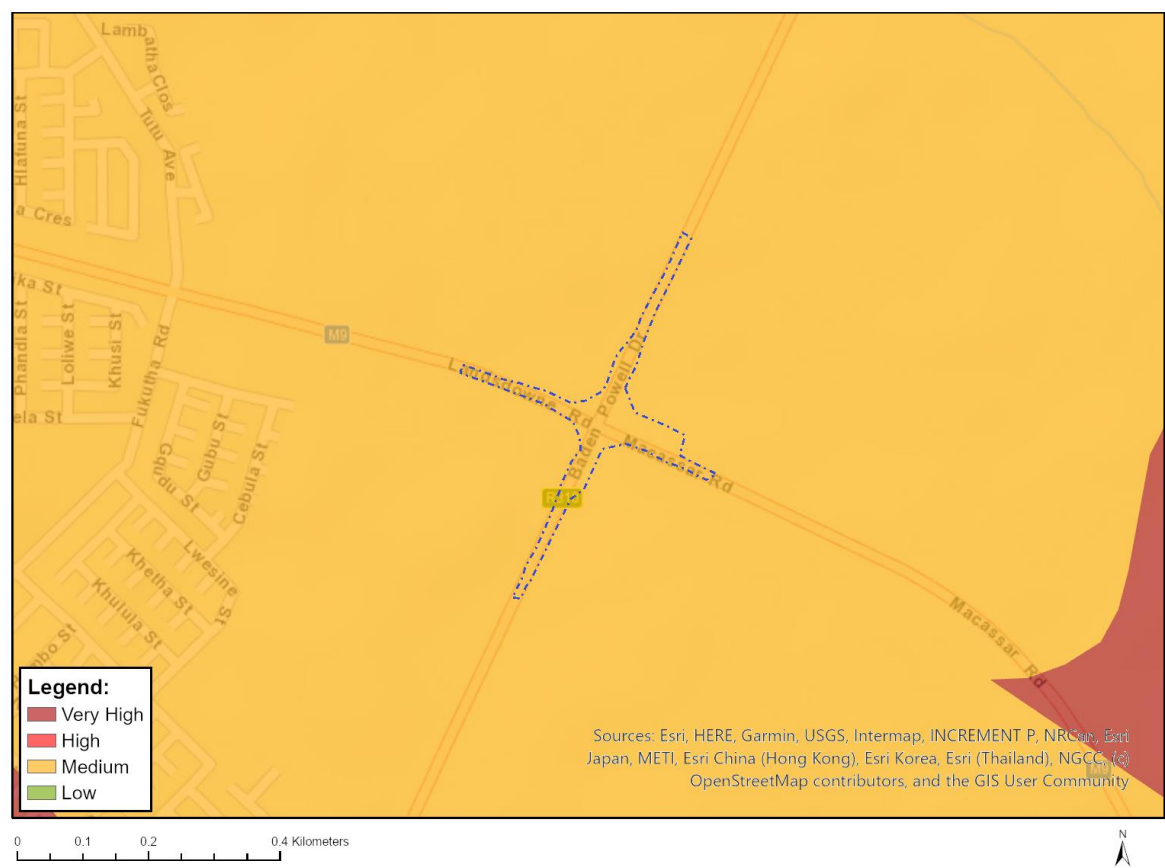


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X                     |                  |                    |                 |

Sensitivity Features:

| Sensitivity | Feature(s)                |
|-------------|---------------------------|
| Medium      | Military and Defence Site |
| Very High   | Military and Defence Site |

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

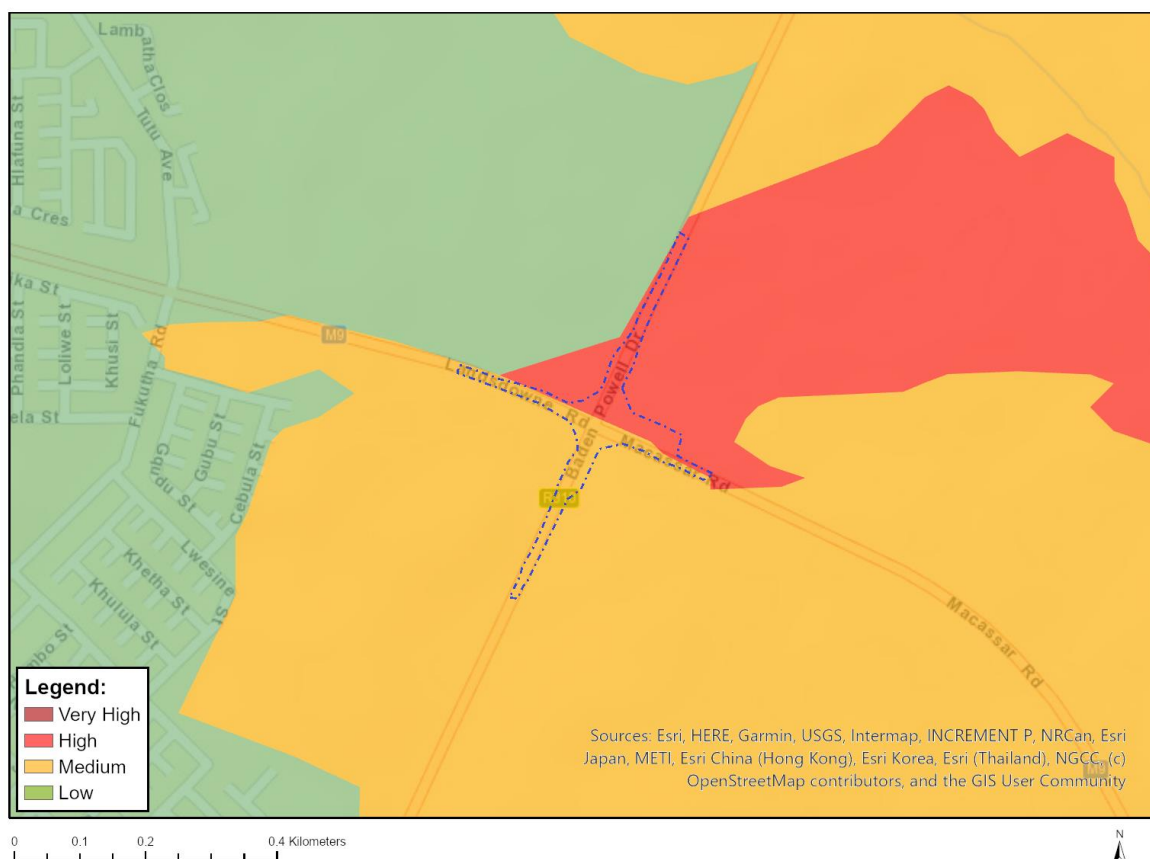


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
|                       |                  | X                  |                 |

Sensitivity Features:

| Sensitivity | Feature(s)                                         |
|-------------|----------------------------------------------------|
| 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](mailto: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:

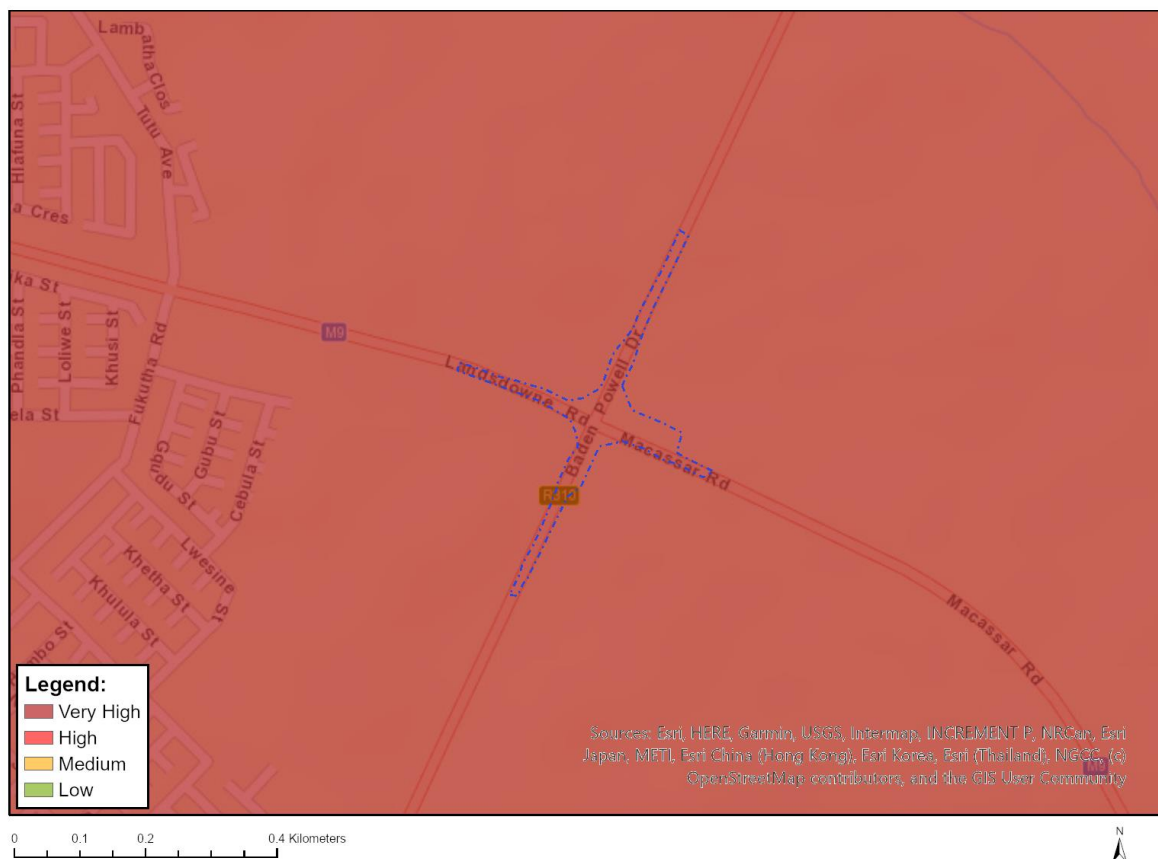
| Sensitivity | Feature(s)               |
|-------------|--------------------------|
| High        | Erepsia dunensis         |
| High        | Muraltia mitior          |
| Low         | Low Sensitivity          |
| Medium      | Lampranthus dilutus      |
| Medium      | Lampranthus filicaulis   |
| Medium      | Lampranthus glomeratus   |
| Medium      | Lampranthus leptaleon    |
| Medium      | Lampranthus scaber       |
| Medium      | Lampranthus spiniformis  |
| Medium      | Lampranthus stenopetalus |
| Medium      | Lampranthus stenus       |
| Medium      | Lampranthus tenuifolius  |
| Medium      | Antimima aristulata      |

|        |                                                                                 |
|--------|---------------------------------------------------------------------------------|
| Medium | <i>Erepsia patula</i>                                                           |
| Medium | <i>Erepsia ramosa</i>                                                           |
| Medium | <i>Erepsia dunensis</i>                                                         |
| Medium | <i>Ruschia geminiflora</i>                                                      |
| Medium | <i>Drosanthemum hispidifolium</i>                                               |
| Medium | <i>Jordaaniella anemoniflora</i>                                                |
| Medium | <i>Lessertia argentea</i>                                                       |
| Medium | <i>Xiphotheca lanceolata</i>                                                    |
| Medium | <i>Psoralea fascicularis</i>                                                    |
| Medium | <i>Psoralea glaucina</i>                                                        |
| Medium | <i>Liparia splendens</i> subsp. <i>splendens</i>                                |
| Medium | <i>Indigofera psoraloides</i>                                                   |
| Medium | <i>Aspalathus araneosa</i>                                                      |
| Medium | <i>Aspalathus globulosa</i>                                                     |
| Medium | <i>Aspalathus muraltioides</i>                                                  |
| Medium | <i>Aspalathus retroflexa</i> subsp. <i>bicolor</i>                              |
| Medium | <i>Podalyria argentea</i>                                                       |
| Medium | <i>Podalyria sericea</i>                                                        |
| Medium | <i>Thesium ecklonianum</i>                                                      |
| Medium | <i>Leucadendron coniferum</i>                                                   |
| Medium | <i>Leucadendron floridum</i>                                                    |
| Medium | <i>Leucadendron lanigerum</i> var. <i>lanigerum</i>                             |
| Medium | <i>Leucadendron levisanus</i>                                                   |
| Medium | <i>Leucadendron linifolium</i>                                                  |
| Medium | <i>Leucospermum hypophyllocarpodendron</i> subsp. <i>canaliculatum</i>          |
| Medium | <i>Leucospermum hypophyllocarpodendron</i> subsp. <i>hypophyllocarpodendron</i> |
| Medium | <i>Protea burchellii</i>                                                        |
| Medium | <i>Diastella proteoides</i>                                                     |
| Medium | <i>Serruria aemula</i>                                                          |
| Medium | <i>Serruria brownii</i>                                                         |
| Medium | <i>Pentameris bachmannii</i>                                                    |
| Medium | <i>Pentameris pholiuroides</i>                                                  |
| Medium | <i>Ehrharta setacea</i> subsp. <i>uniflora</i>                                  |
| Medium | <i>Anthospermum ericifolium</i>                                                 |
| Medium | <i>Echiostachys incanus</i>                                                     |
| Medium | <i>Echiostachys spicatus</i>                                                    |
| Medium | Sensitive species 533                                                           |
| Medium | <i>Geissorhiza brehmii</i>                                                      |
| Medium | <i>Geissorhiza humilis</i>                                                      |
| Medium | <i>Geissorhiza setacea</i>                                                      |
| Medium | <i>Geissorhiza erosa</i>                                                        |
| Medium | Sensitive species 683                                                           |
| Medium | Sensitive species 830                                                           |
| Medium | Sensitive species 1140                                                          |
| Medium | Sensitive species 298                                                           |
| Medium | Sensitive species 807                                                           |
| Medium | Sensitive species 863                                                           |
| Medium | <i>Pauridia alba</i>                                                            |
| Medium | <i>Pauridia canaliculata</i>                                                    |
| Medium | <i>Pauridia pygmaea</i>                                                         |
| Medium | <i>Oxalis natans</i>                                                            |
| Medium | <i>Erica capillaris</i> var. <i>capillaris</i>                                  |
| Medium | <i>Hermannia rugosa</i>                                                         |
| Medium | Sensitive species 222                                                           |
| Medium | <i>Sebaea rara</i>                                                              |
| Medium | Sensitive species 444                                                           |
| Medium | Sensitive species 756                                                           |
| Medium | <i>Tetragonia caesia</i>                                                        |
| Medium | <i>Adenogramma rigida</i>                                                       |
| Medium | <i>Wachendorfia brachyandra</i>                                                 |

|        |                                                  |
|--------|--------------------------------------------------|
| Medium | <i>Hessea cinnamomea</i>                         |
| Medium | Sensitive species 847                            |
| Medium | <i>Isoetes capensis</i>                          |
| Medium | Sensitive species 133                            |
| Medium | <i>Isolepis inconspicua</i>                      |
| Medium | <i>Isolepis venustula</i>                        |
| Medium | <i>Trianoites solitaria</i>                      |
| Medium | <i>Ficinia elatior</i>                           |
| Medium | <i>Ficinia pinguior</i>                          |
| Medium | <i>Cannomois arenicola</i>                       |
| Medium | <i>Elegia prominens</i>                          |
| Medium | <i>Restio duthieae</i>                           |
| Medium | <i>Restio harveyi</i>                            |
| Medium | <i>Restio sabulosus</i>                          |
| Medium | <i>Restio impolitus</i>                          |
| Medium | <i>Restio papillosus</i>                         |
| Medium | <i>Restio pratensis</i>                          |
| Medium | <i>Cynanchum zeyheri</i>                         |
| Medium | Sensitive species 985                            |
| Medium | Sensitive species 120                            |
| Medium | Sensitive species 384                            |
| Medium | Sensitive species 1139                           |
| Medium | <i>Acrolophia bolusii</i>                        |
| Medium | <i>Pterygodium cruciferum</i>                    |
| Medium | <i>Pterygodium microglossum</i>                  |
| Medium | <i>Gnidia spicata</i>                            |
| Medium | <i>Passerina paludosa</i>                        |
| Medium | <i>Lachnaea uniflora</i>                         |
| Medium | <i>Marasmodes polycephala</i>                    |
| Medium | <i>Poecilolepis maritima</i>                     |
| Medium | <i>Steiroidiscus tagetes</i>                     |
| Medium | <i>Cotula eckloniana</i>                         |
| Medium | <i>Arctotis angustifolia</i>                     |
| Medium | <i>Arctotheca forbesiana</i>                     |
| Medium | <i>Cullumia squarrosa</i>                        |
| Medium | <i>Diosma dichotoma</i>                          |
| Medium | <i>Adenandra villosa</i> subsp. <i>biseriata</i> |
| Medium | <i>Macrostylis villosa</i> subsp. <i>villosa</i> |
| Medium | <i>Cliffortia ericifolia</i>                     |
| Medium | <i>Cliffortia hirta</i>                          |
| Medium | <i>Cliffortia longifolia</i>                     |
| Medium | <i>Cliffortia marginata</i>                      |
| Medium | <i>Muraltia macropetala</i>                      |
| Medium | <i>Muraltia mitior</i>                           |
| Medium | Sensitive species 214                            |
| Medium | Sensitive species 1265                           |
| Medium | Sensitive species 616                            |
| Medium | <i>Wurmbea inusta</i>                            |
| Medium | <i>Phylica dioica</i>                            |
| Medium | <i>Phylica plumosa</i> var. <i>squarrosa</i>     |
| Medium | <i>Phylica thunbergiana</i>                      |
| Medium | <i>Codonrhiza azurea</i>                         |
| Medium | <i>Skiatophytum skiatophytoides</i>              |
| Medium | <i>Lampranthus debilis</i>                       |
| Medium | <i>Lampranthus glaucus</i>                       |
| Medium | <i>Xiphotheca reflexa</i>                        |
| Medium | <i>Psoralea alata</i>                            |
| Medium | <i>Aspalathus lebeckioides</i>                   |
| Medium | <i>Aspalathus recurva</i>                        |
| Medium | <i>Aspalathus tylodes</i>                        |

|        |                        |
|--------|------------------------|
| Medium | Protea scolymocephala  |
| Medium | Ophioglossum bergianum |
| Medium | Sensitive species 599  |
| Medium | Elegia squamosa        |
| Medium | Elegia verreauxii      |
| Medium | Restio paludosus       |
| Medium | Restio rigoratus       |
| Medium | Sensitive species 500  |
| Medium | Sensitive species 53   |
| Medium | Sensitive species 654  |
| Medium | Lachnaea capitata      |
| Medium | Lachnaea grandiflora   |
| Medium | Cotula pusilla         |
| Medium | Sensitive species 1225 |

## MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



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

### Sensitivity Features:

| Sensitivity | Feature(s)                                         |
|-------------|----------------------------------------------------|
| Very High   | CBA 1a                                             |
| Very High   | National Protected Area Expansion Strategy (NPAES) |
| Very High   | EN_Cape Flats Dune Strandveld                      |

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