

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION OR
FOR A PART TWO AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION
AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: 14/3/10/D2/19/0399/19

Project name: Garden Route Dam Development

Project title: Scoping Phase

Date screening report generated: 13/03/2020 09:57:43

Applicant: George Municipality

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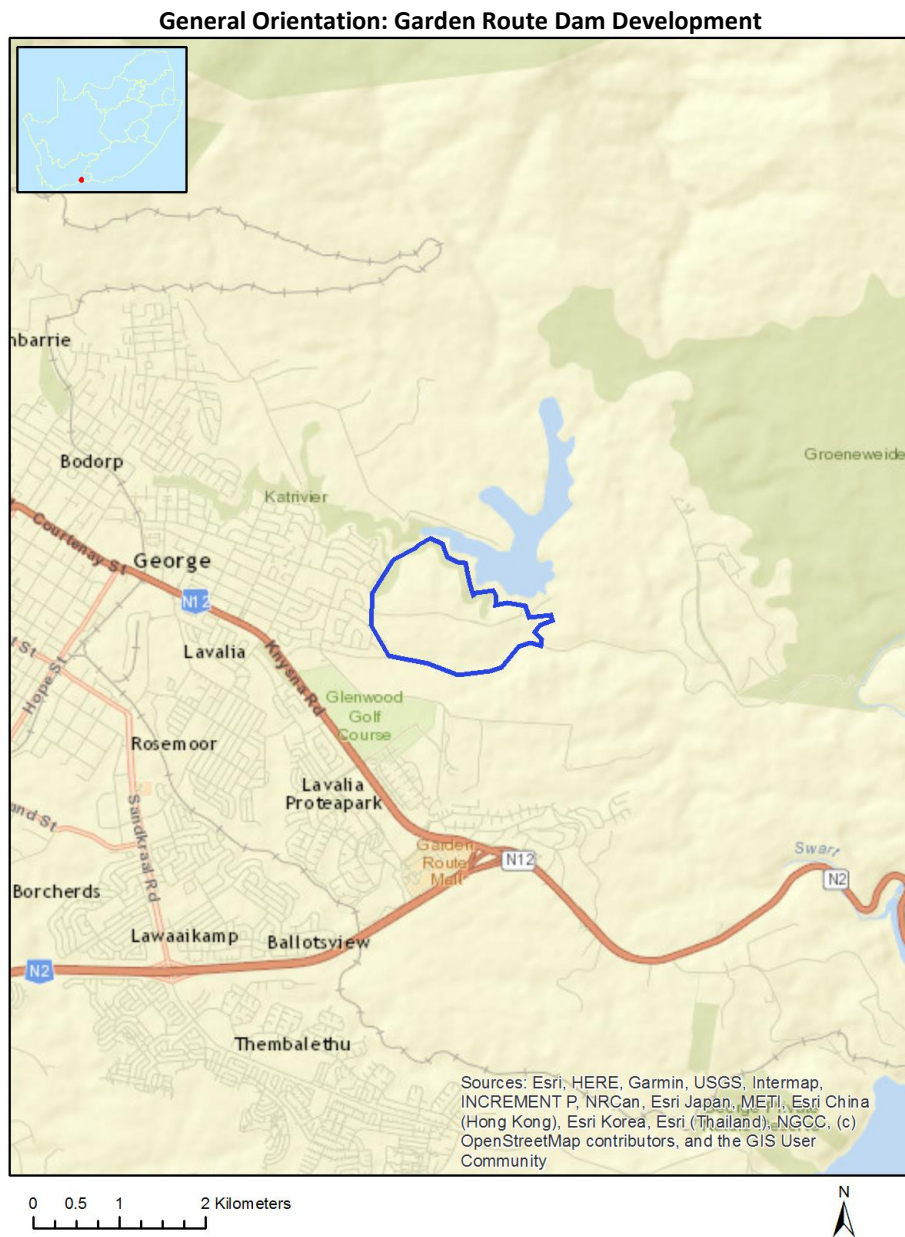
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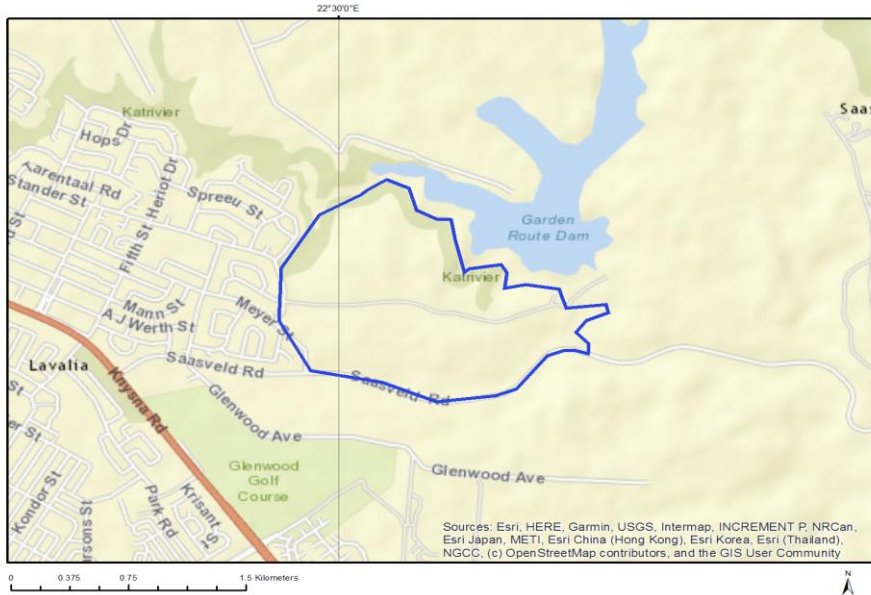
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Proposed Project Location

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 | GEORGE | 6032 | 0 | 33°57'43.37S | 22°29'50.11E | Erven |
| 2 | GEORGE | 14461 | 0 | 33°57'51.54S | 22°29'47.53E | Erven |
| 3 | GEORGE | 14460 | 0 | 33°57'50.73S | 22°29'47.61E | Erven |
| 4 | GEORGE | 20664 | 0 | 33°57'54.59S | 22°29'47.72E | Erven |
| 5 | GEORGE | 6029 | 0 | 33°57'41.02S | 22°29'52.18E | Erven |
| 6 | GEORGE | 14462 | 0 | 33°57'52.35S | 22°29'47.5E | Erven |
| 7 | GEORGE | 14622 | 0 | 33°58'1.2S | 22°29'49.94E | Erven |
| 8 | GEORGE | 20663 | 0 | 33°57'53.93S | 22°29'47.75E | Erven |
| 9 | GEORGE | 6028 | 0 | 33°57'40.2S | 22°29'52.6E | Erven |
| 10 | GEORGE | 14623 | 0 | 33°58'1.83S | 22°29'50.64E | Erven |
| 11 | GEORGE | 14459 | 0 | 33°57'49.89S | 22°29'47.36E | Erven |
| 12 | GEORGE | 14626 | 0 | 33°58'3.92S | 22°29'52.43E | Erven |
| 13 | GEORGE | 20665 | 0 | 33°57'55.17S | 22°29'47.56E | Erven |
| 14 | GEORGE | 3055 | 0 | 33°57'50.21S | 22°30'48.83E | Erven |
| 15 | GEORGE | 6031 | 0 | 33°57'42.6S | 22°29'50.8E | Erven |
| 16 | GEORGE | 20666 | 0 | 33°57'55.2S | 22°29'46.96E | Erven |
| 17 | GEORGE | 6033 | 0 | 33°57'44.21S | 22°29'49.61E | Erven |
| 18 | GEORGE | 14625 | 0 | 33°58'2.95S | 22°29'52.05E | Erven |
| 19 | GEORGE | 14627 | 0 | 33°58'4.93S | 22°29'52.15E | Erven |
| 20 | GEORGE | 14624 | 0 | 33°58'2.38S | 22°29'51.35E | Erven |
| 21 | GEORGE | 6030 | 0 | 33°57'41.82S | 22°29'51.49E | Erven |
| 22 | | 352 | 0 | 33°53'6.35S | 22°39'6.08E | Farm |
| 23 | KRAAI BOSCH | 195 | 0 | 33°58'17.73S | 22°30'59.91E | Farm |
| 24 | KRAAI BOSCH | 195 | 21 | 33°58'14.75S | 22°30'44.8E | Farm Portion |
| 25 | | 336 | 0 | 33°56'1.89S | 22°31'5E | Farm Portion |
| 26 | KRAAI BOSCH | 195 | 88 | 33°58'17.26S | 22°30'30.66E | Farm Portion |
| 27 | | 352 | 3 | 33°57'19.86S | 22°31'14.62E | 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 | EIA Reference No | Classification | Status of application | Distance from proposed area (km) |
|----|---------------------|----------------|-----------------------|----------------------------------|
| 1 | 14/12/16/3/3/1/1292 | Solar PV | Approved | 12.9 |

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: Transformation of land | From agriculture or afforestation | Transformation of land - From agriculture or afforestation.

Relevant development incentives, restrictions, exclusions or prohibitions

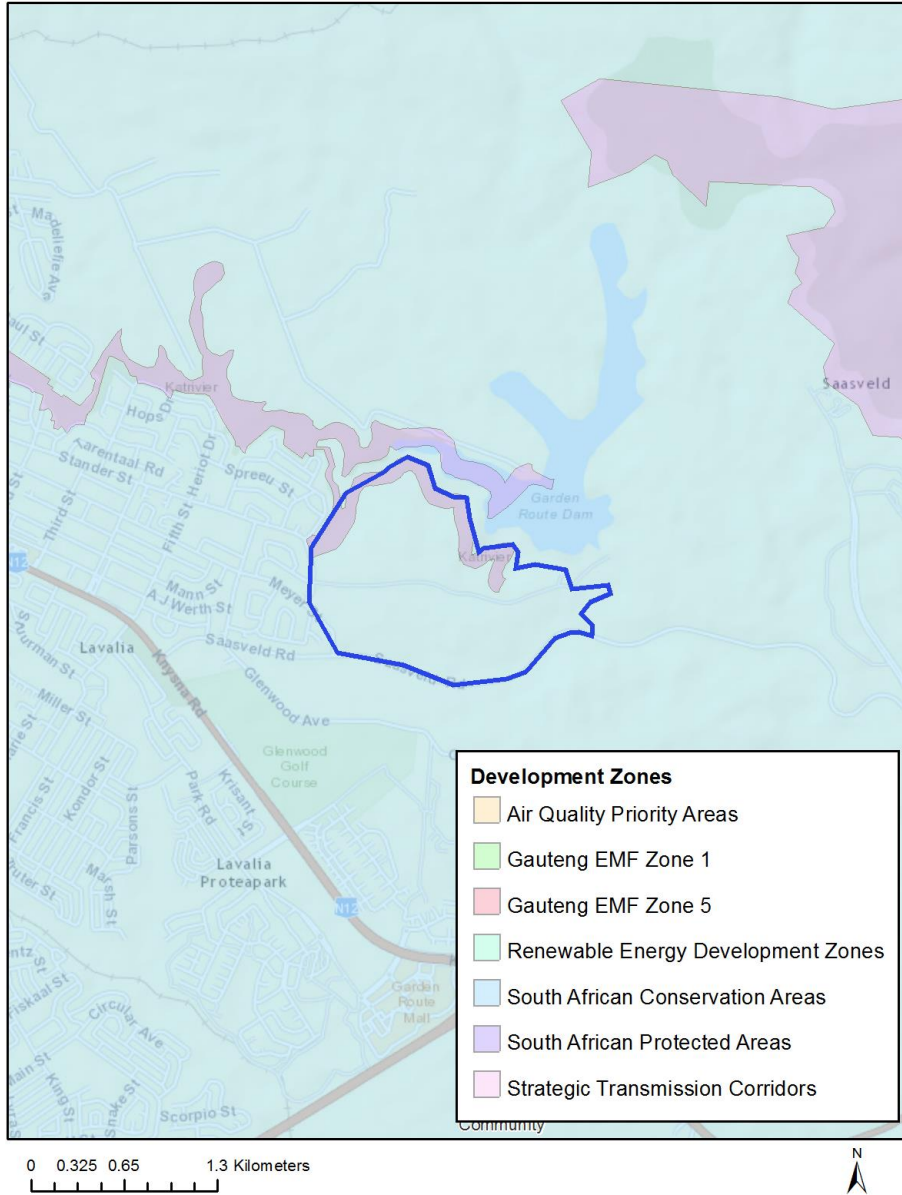
The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

| Incentive, restriction or prohibition | Implication |
|---------------------------------------|---|
| South African Conservation Areas | https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SACA_D_OR_2019_Q4_Metadata.pdf |
| South African Protected Areas | https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPA_D_OR_2019_Q4_Metadata.pdf |

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.

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

Project Location: Garden Route Dam Development



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 | | |
| Plant Species Theme | | X | | |
| Defence 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.

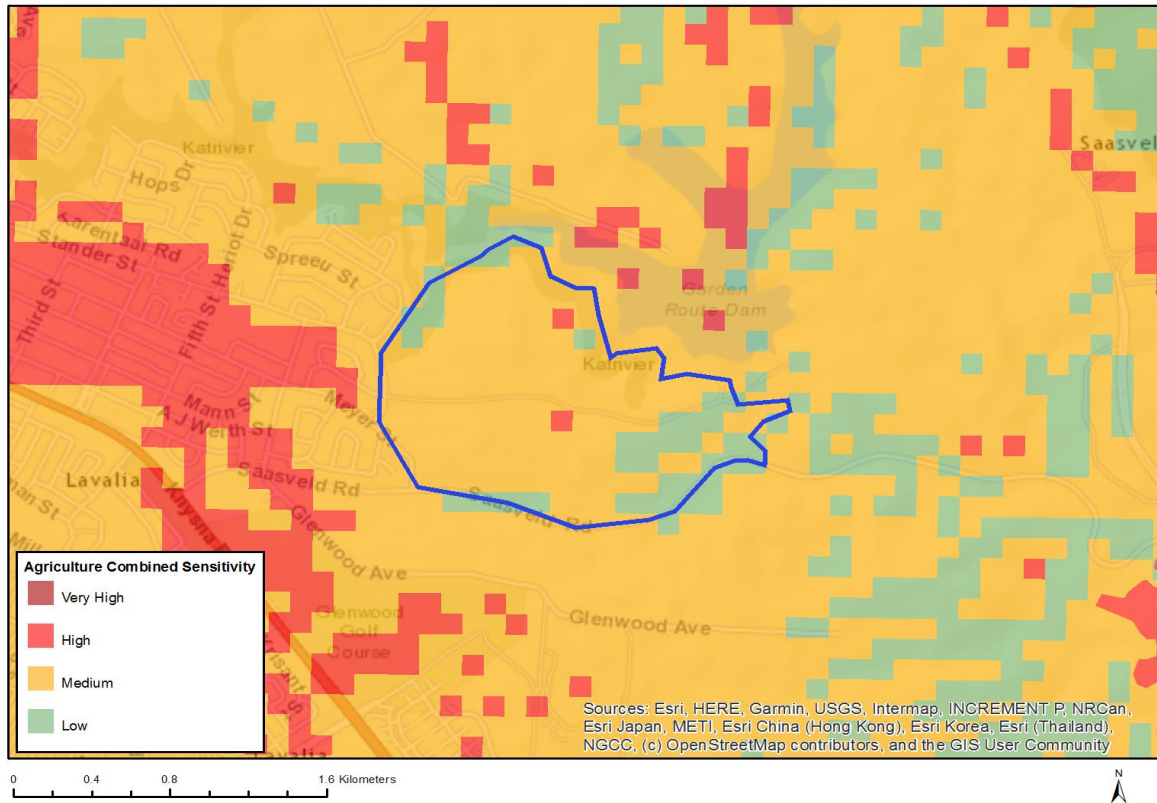
| N o | Specialist assessment | Assessment Protocol |
|-----|--|---|
| 1 | Agricultural Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Agriculture_Assessment_Protocols.pdf |
| 2 | Landscape/Visual Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf |
| 3 | Archaeological and Cultural Heritage Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf |
| 4 | Palaeontology Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf |
| 5 | Terrestrial Biodiversity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf |
| 6 | Aquatic Biodiversity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Aquatic_Biodiversity_Assessment.pdf |

| | | |
|----|---------------------------|---|
| 7 | Hydrology Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf |
| 8 | Socio-Economic Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf |
| 9 | Plant Species Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf |
| 10 | Animal Species Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_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

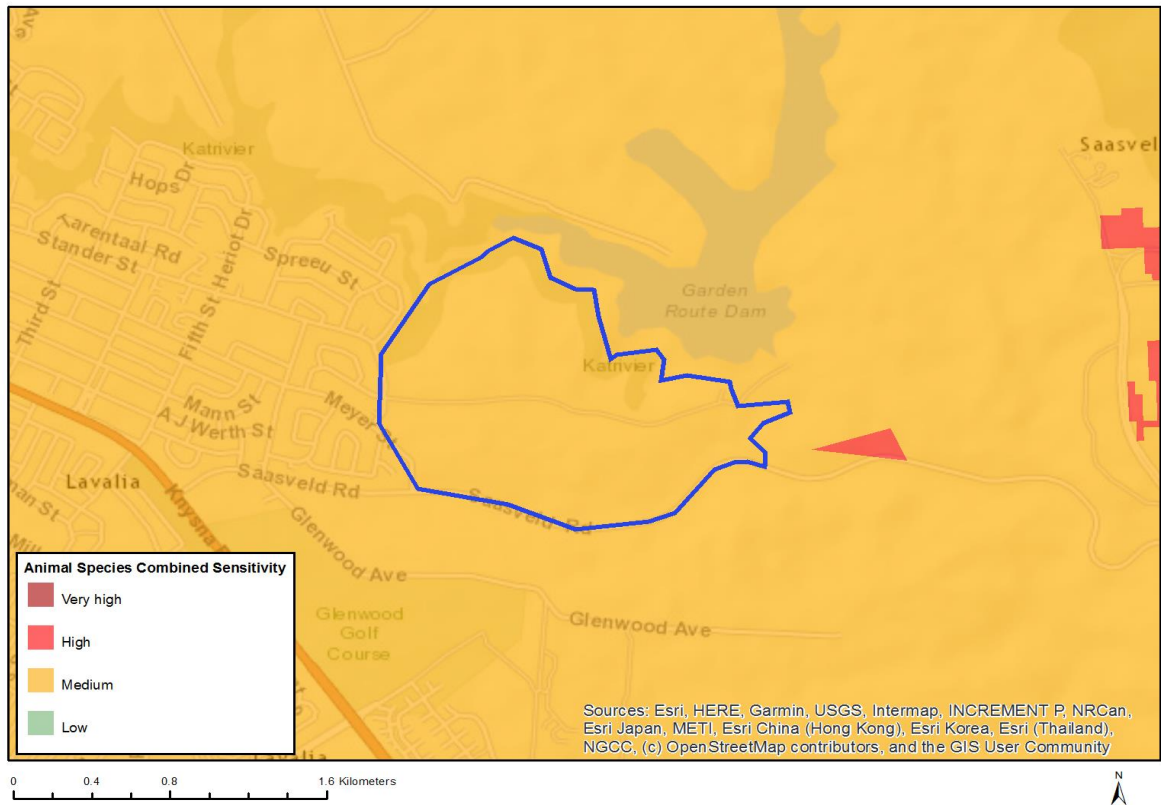


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | X | | |

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 |

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

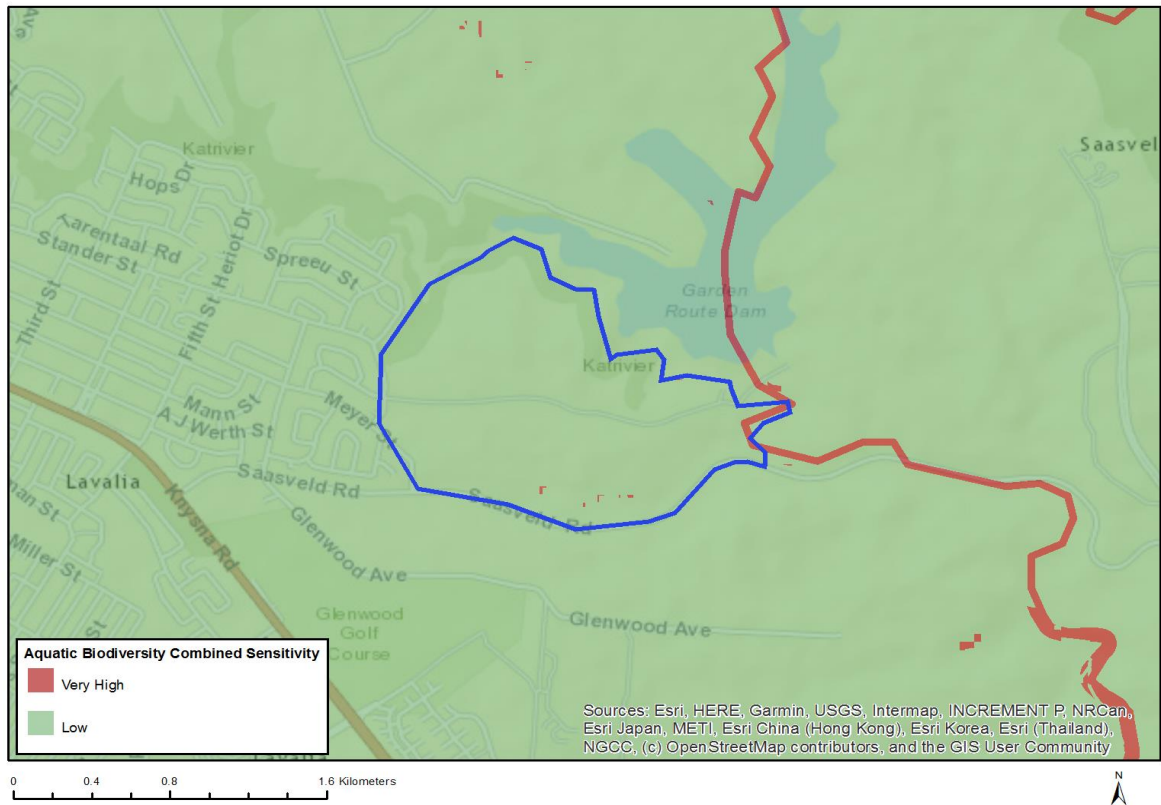


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------------------|
| Medium | Amphibia-Afrixalus knysnae |
| Medium | Reptilia-Tetradactylus fitzsimonsi |
| Medium | Insecta-Aloeides thyra orientis |
| Medium | Insecta-Aloeides trimeni southeyae |

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

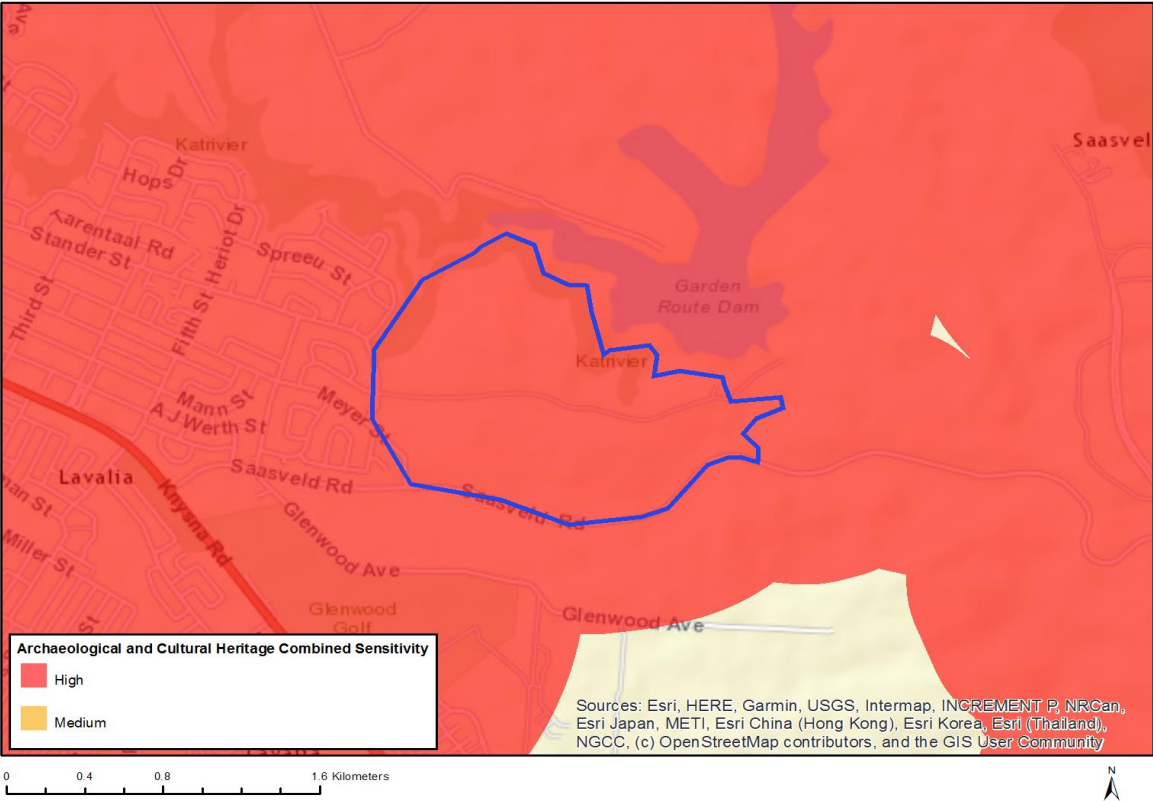


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------------------|
| Low | Low Sensitivity Areas |
| Very High | Strategic water source area |
| Very High | CBA,River,Swart |

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

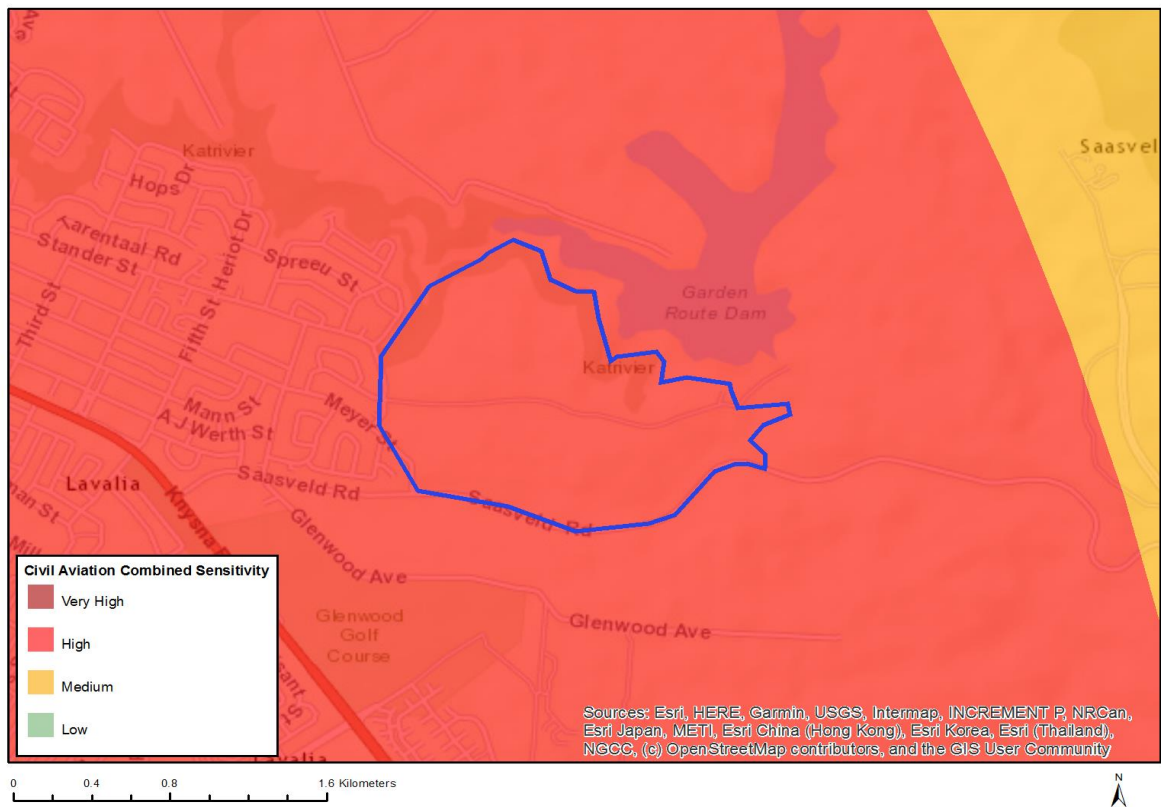


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | X | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------------------|
| High | Important mountain pass |
| High | Within 500 m of an important river |
| High | Within 500 m of a heritage site |
| High | Within protected area |
| High | Within 1 km of a protected area |

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 | Within 5 km of an air traffic control or navigation site |

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY

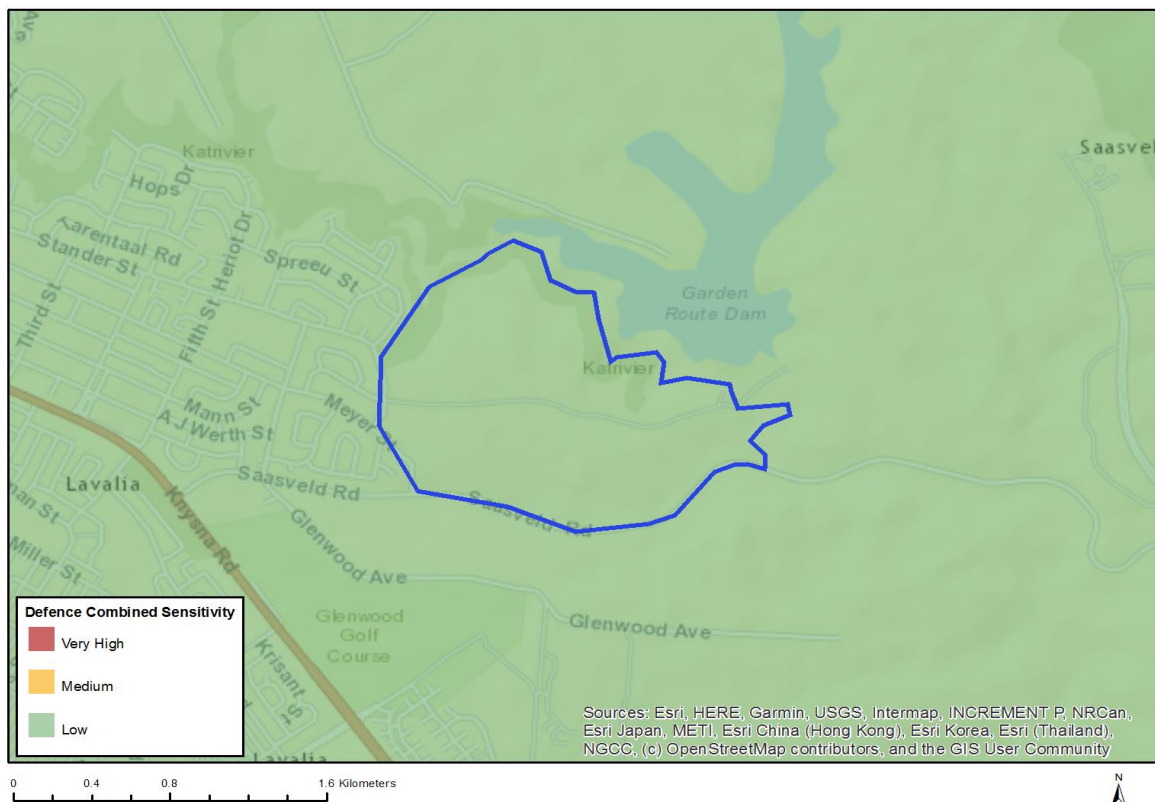
Unable to obtain map image.

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

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------------------------|
| High | Sensitive species 443 |
| Medium | Selago burchellii |
| Medium | Sensitive species 466 |
| Medium | Sensitive species 443 |
| Medium | Sensitive species 273 |
| Medium | Erica glandulosa subsp. fourcadei |
| Medium | Erica glumiflora |
| Medium | Sensitive species 287 |
| Medium | Pterygodium cleistogamum |
| Medium | Diosma passerinoides |
| Medium | Muraltia knysnaensis |
| Medium | Leucospermum glabrum |
| Medium | Lampranthus pauciflorus |

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

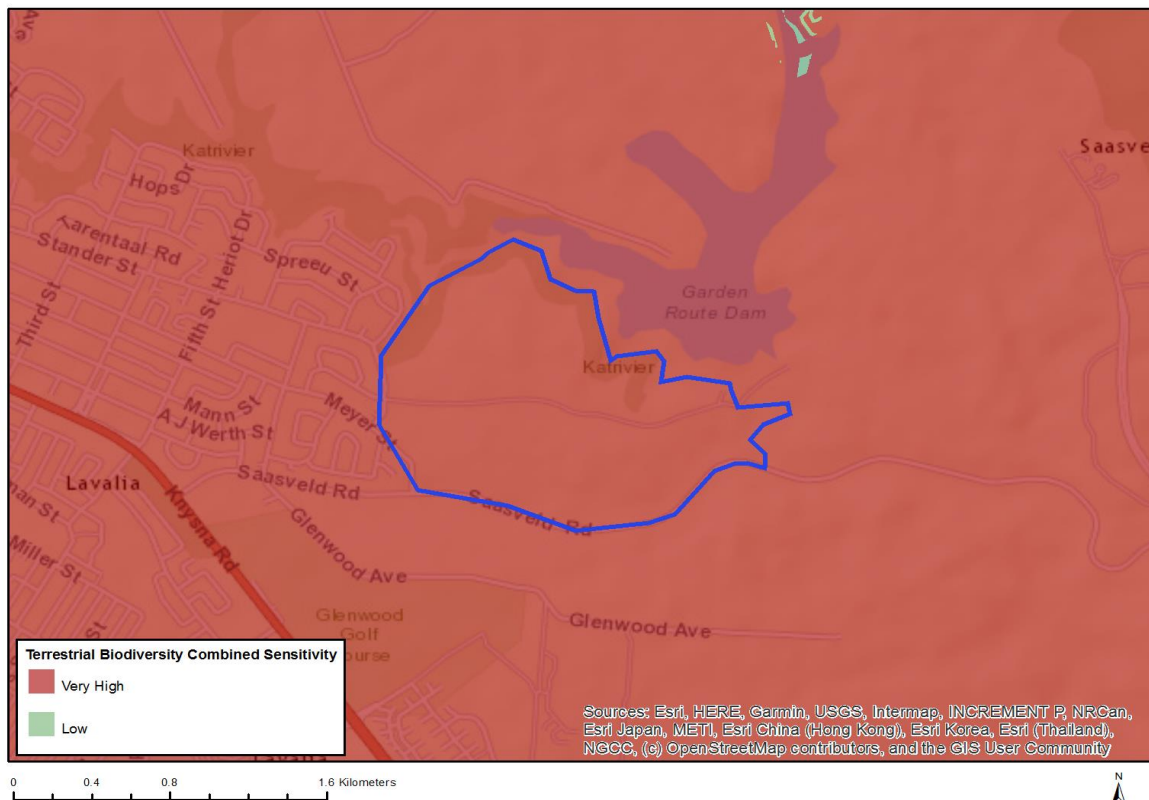


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

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

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



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

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| Very High | Vulnerable ecosystem |
| Very High | Endangered ecosystem |
| Very High | Forest |
| Very High | Ecological Support Area 2 |
| Very High | Ecological Support Area 1 |
| Very High | Critical Biodiversity Area 2 |
| Very High | Critical Biodiversity Area 1 |
| Very High | Focus Areas for land-based protected areas expansion |
| Very High | Strategic Water Source Area |
| Very High | Katrivier Nature Reserve |