

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

EIA Reference number:

Project name: Kelvin Power Station CCGT

Project title: Kelvin Power Station CCGT EIA

Date screening report generated: 08/02/2024 12:11:04

Applicant: Kelvin Power

Compiler: John von Mayer

Compiler signature:



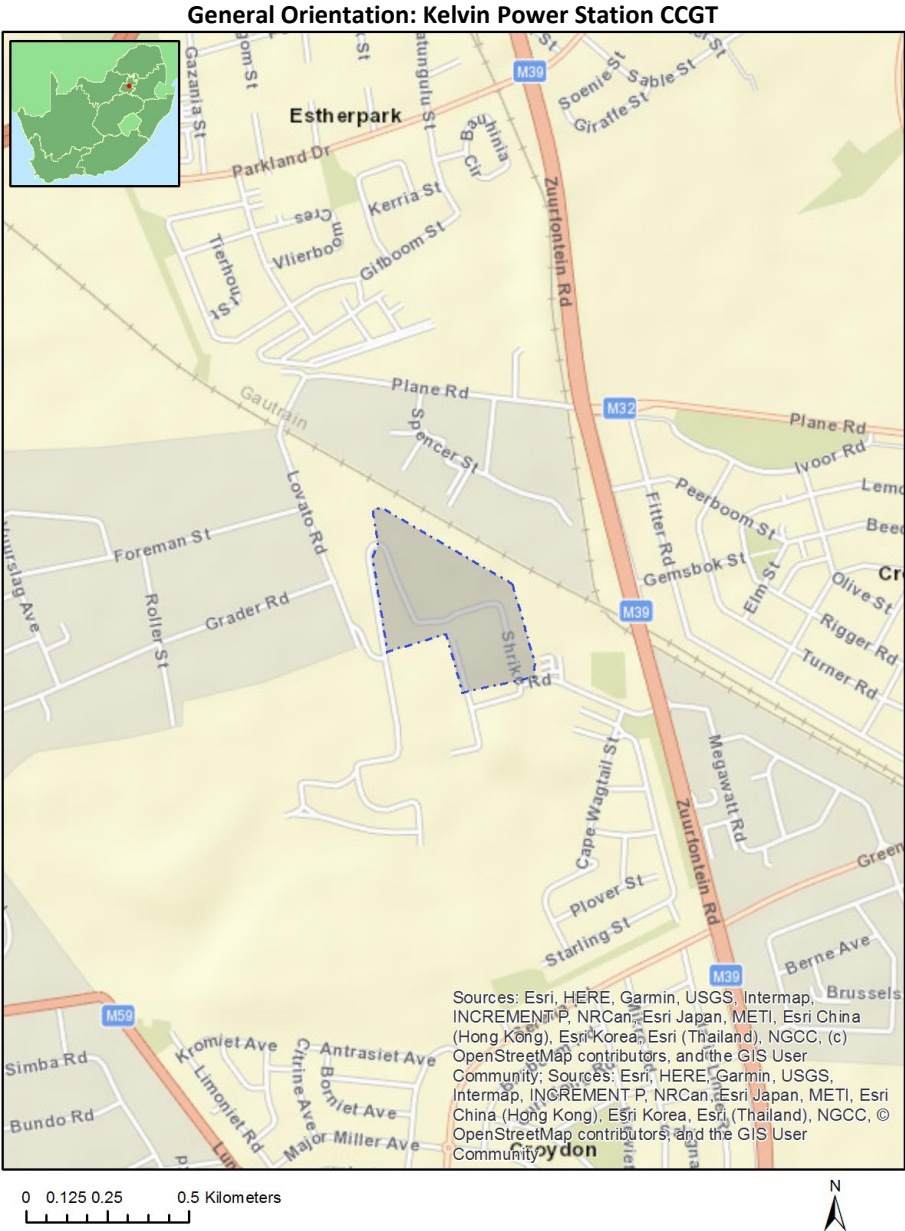
Application Category: Utilities Infrastructure | Electricity | Generation | Non
Renewable | Hydrocarbon | Petroleum

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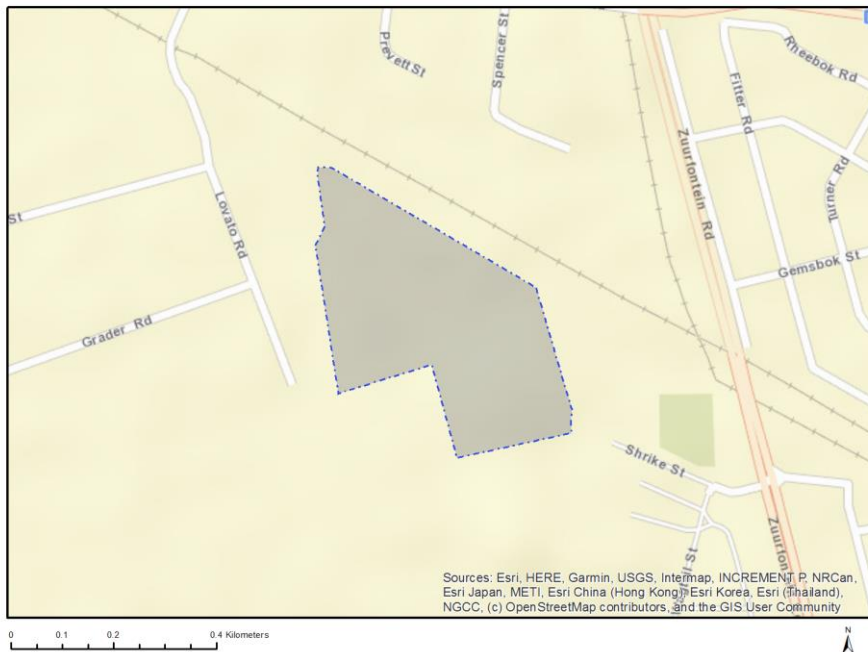
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Proposed Project Location

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	ZUURFONTEIN	33	0	26°6'1.88S	28°12'22.41E	Farm
2	ZUURFONTEIN	33	391	26°6'50.15S	28°11'29.75E	Farm Portion

Development footprint¹ vertices:

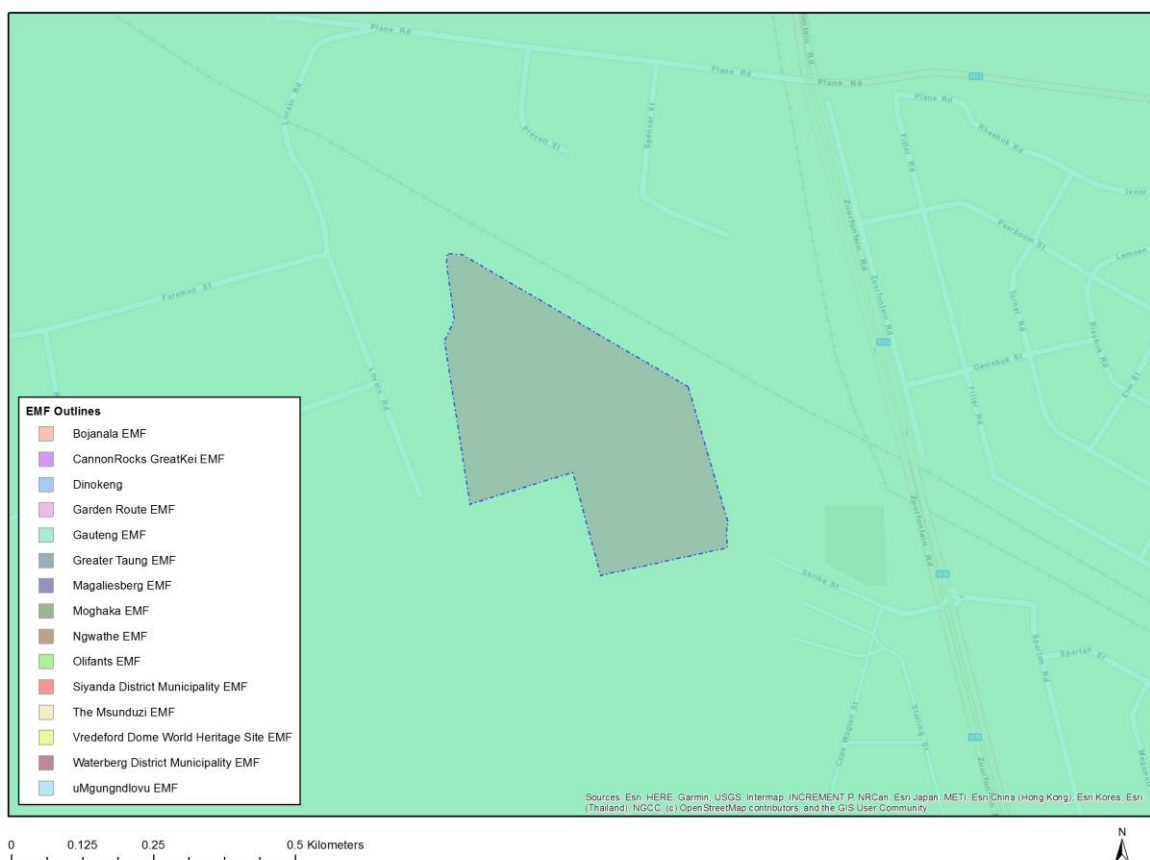
Footprint	Latitude	Longitude
1	26°6'40.39S	28°11'28.25E
1	26°6'39.84S	28°11'28.29E
1	26°6'39.87S	28°11'29.15E
1	26°6'46.67S	28°11'42.05E
1	26°6'53.54S	28°11'44.29E
1	26°6'54.02S	28°11'44.22E
1	26°6'54.74S	28°11'44.28E
1	26°6'54.93S	28°11'44.24E
1	26°6'56.32S	28°11'37.04E
1	26°6'51.05S	28°11'35.44E
1	26°6'52.67S	28°11'29.58E
1	26°6'44.34S	28°11'28.14E
1	26°6'43.24S	28°11'28.7E
1	26°6'40.39S	28°11'28.25E

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.

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	14/12/16/3/3/1/2358	Solar PV	Approved	27.9
2	12/12/20/2147/A1	Solar PV	Approved	4.6
3	14/12/16/3/3/2/375/AM1	Solar PV	Approved	23.7
4	12/12/20/2530	Solar PV	Approved	28.3
5	12/12/20/2147	Solar PV	Approved	4.6
6	12/12/20/2551	Solar PV	Approved	28.3
7	002/15-16/E0152	Solar PV	Approved	28.9
8	14/12/16/3/3/1/569	Solar PV	Approved	28.5

Environmental Management Frameworks relevant to the application



Environmental Management Framework	LINK
Gauteng EMF	https://screening.environment.gov.za/ScreeningDownloads/EMF/GPEMF_2021_Gazette_and_summary.pdf

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 footprint as well as the most environmental sensitive features on the footprint based on the footprint sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

Utilities Infrastructure | Electricity | Generation | Non Renewable | Hydrocarbon | Petroleum.

Relevant development incentives, restrictions, exclusions or prohibitions

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

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Air Quality-Highveld Priority Area	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/HIGHVELD_PRIORITY_AREA_AQMP.pdf
Gauteng EMF-Urban development zone 1	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Zone1_2021.pdf
Gauteng EMF-Industrial and large commercial focus zone 5	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Zone5_2021.pdf

Proposed Development Area Environmental Sensitivity

The following summary of the development footprint 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 footprint situation.

No	Specialist assessment	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 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	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf

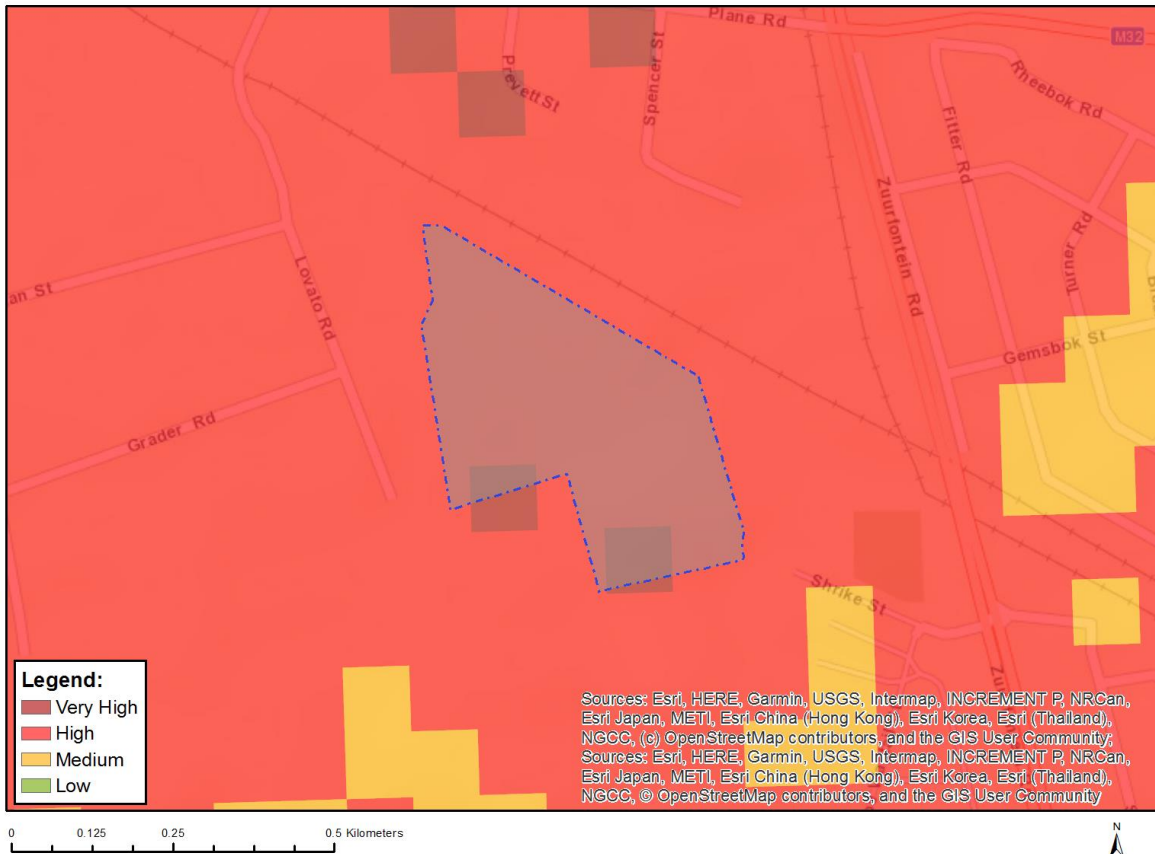
16	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
17	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf

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Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed footprint 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

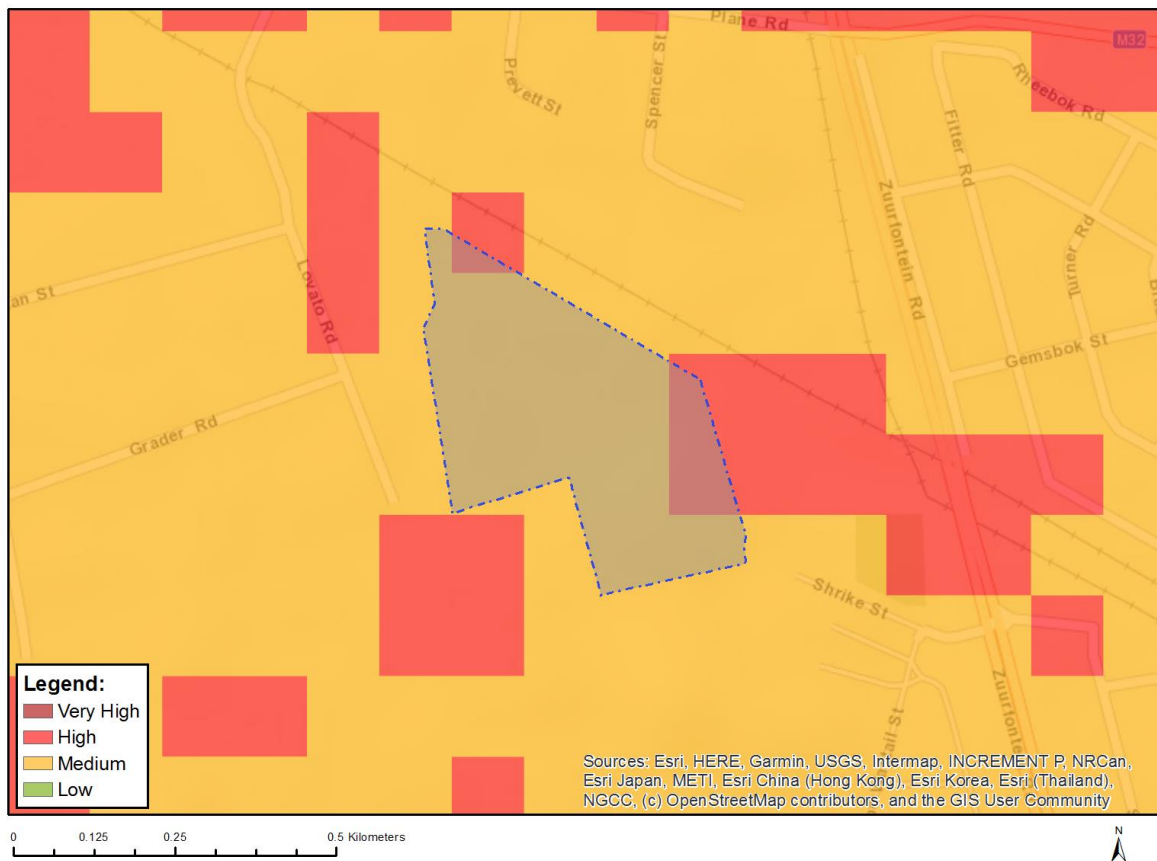


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
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



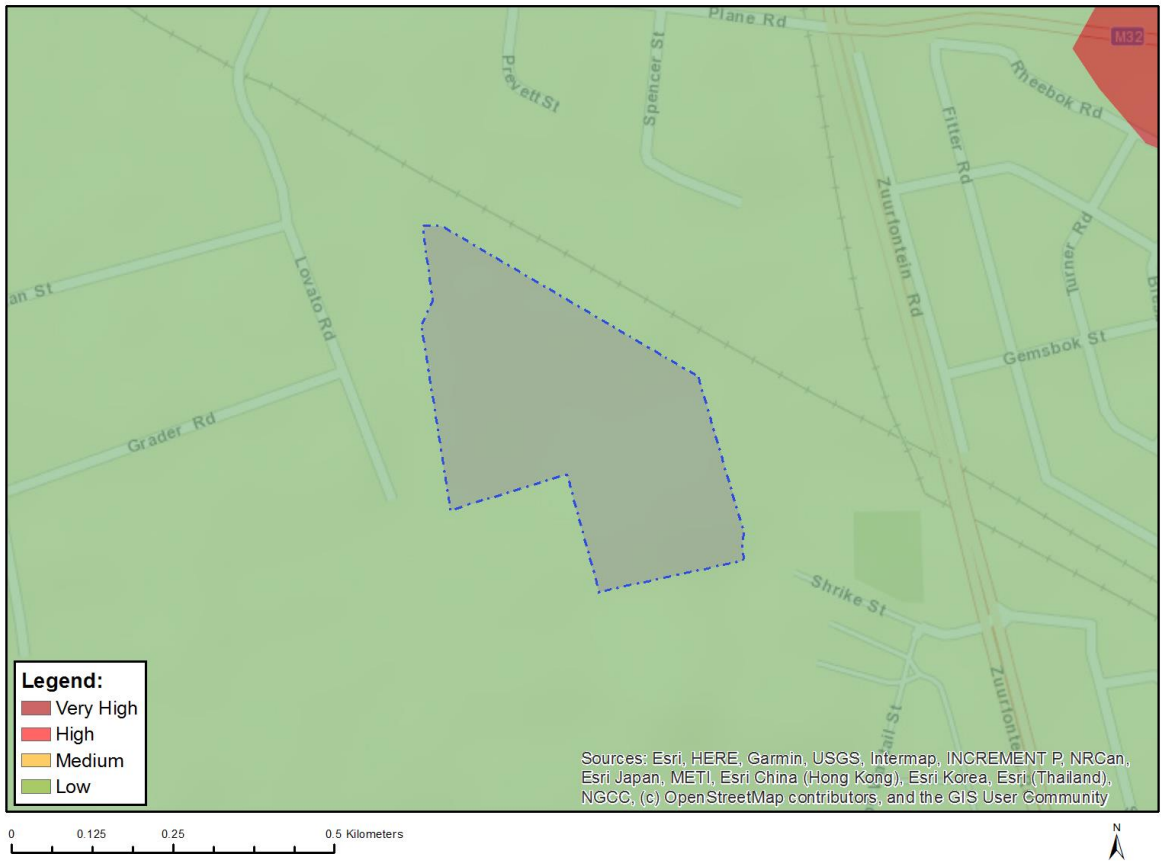
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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-Tyto capensis
Medium	Mammalia-Chrysospalax villosus
Medium	Mammalia-Crocidura maquassiensis
Medium	Mammalia-Dasymys robertsii
Medium	Mammalia-Hydrictis maculicollis
Medium	Mammalia-Ourebia ourebi ourebi
Medium	Invertebrate-Clonia uvarovi

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

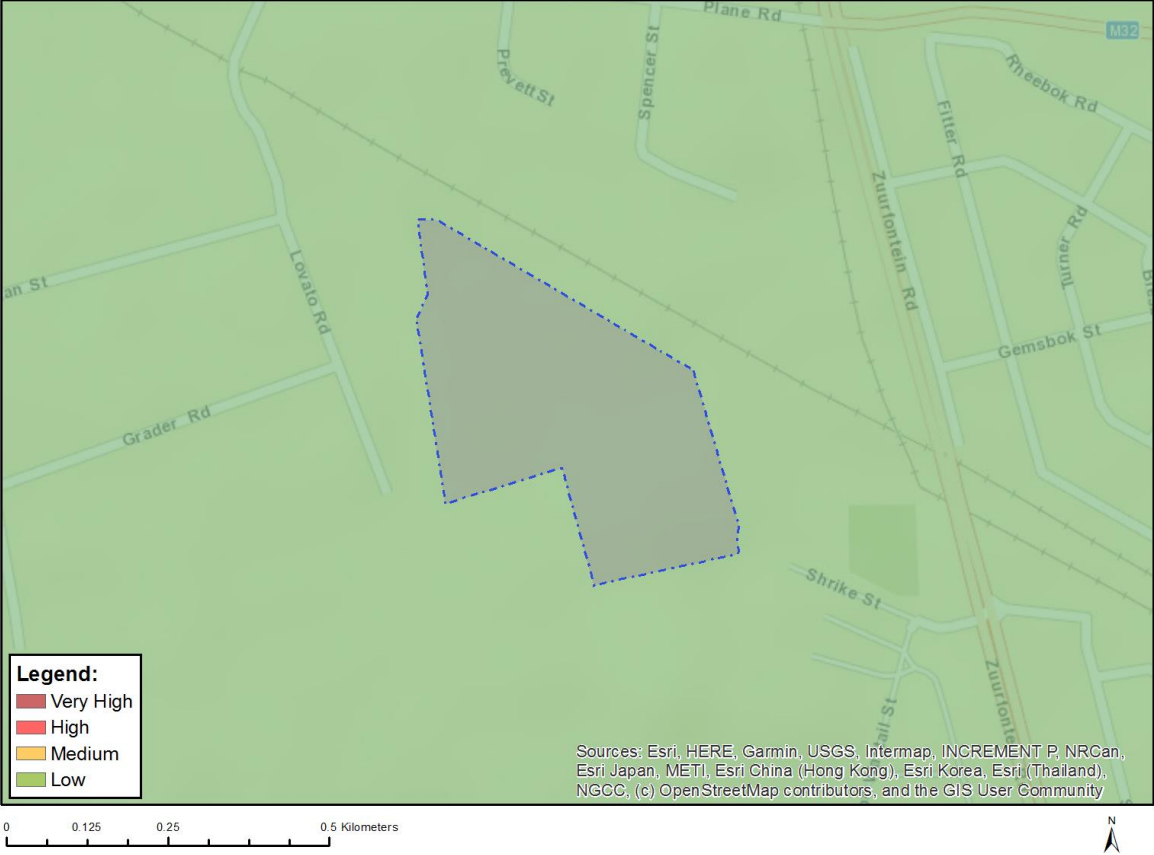


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

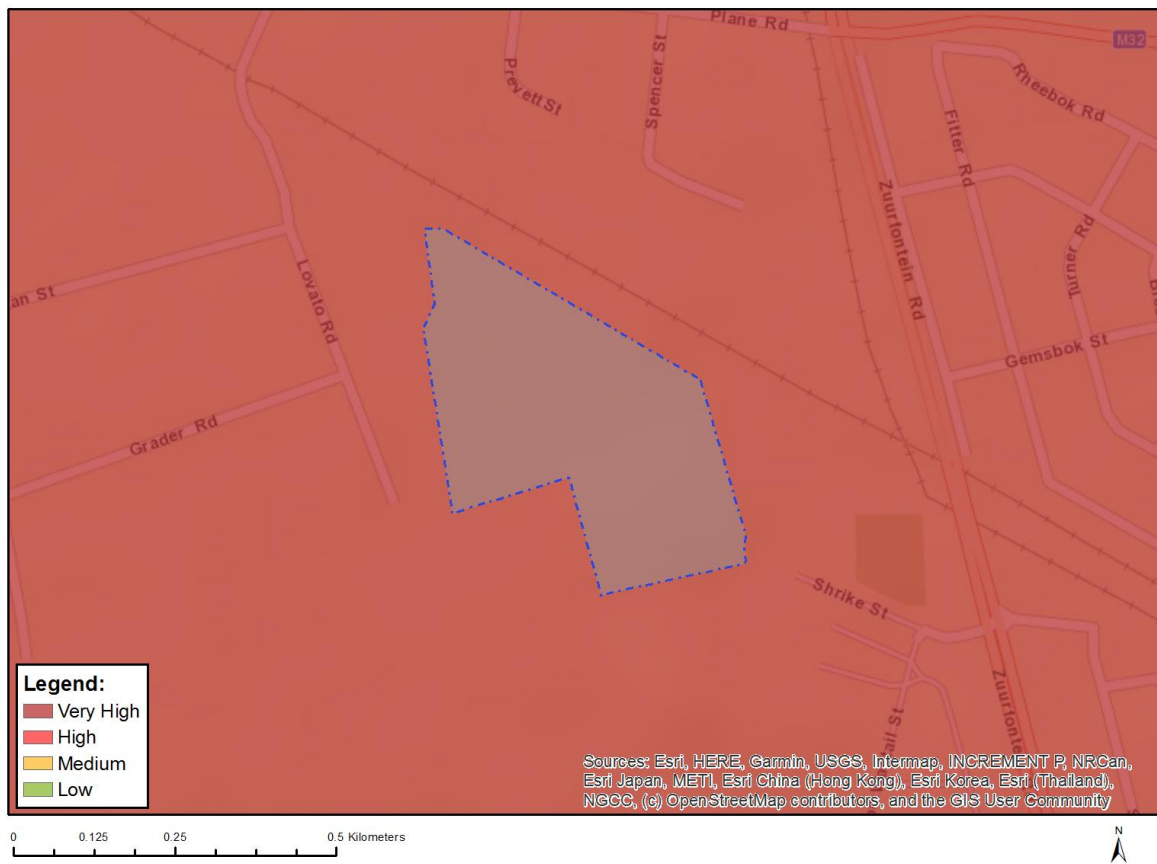


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

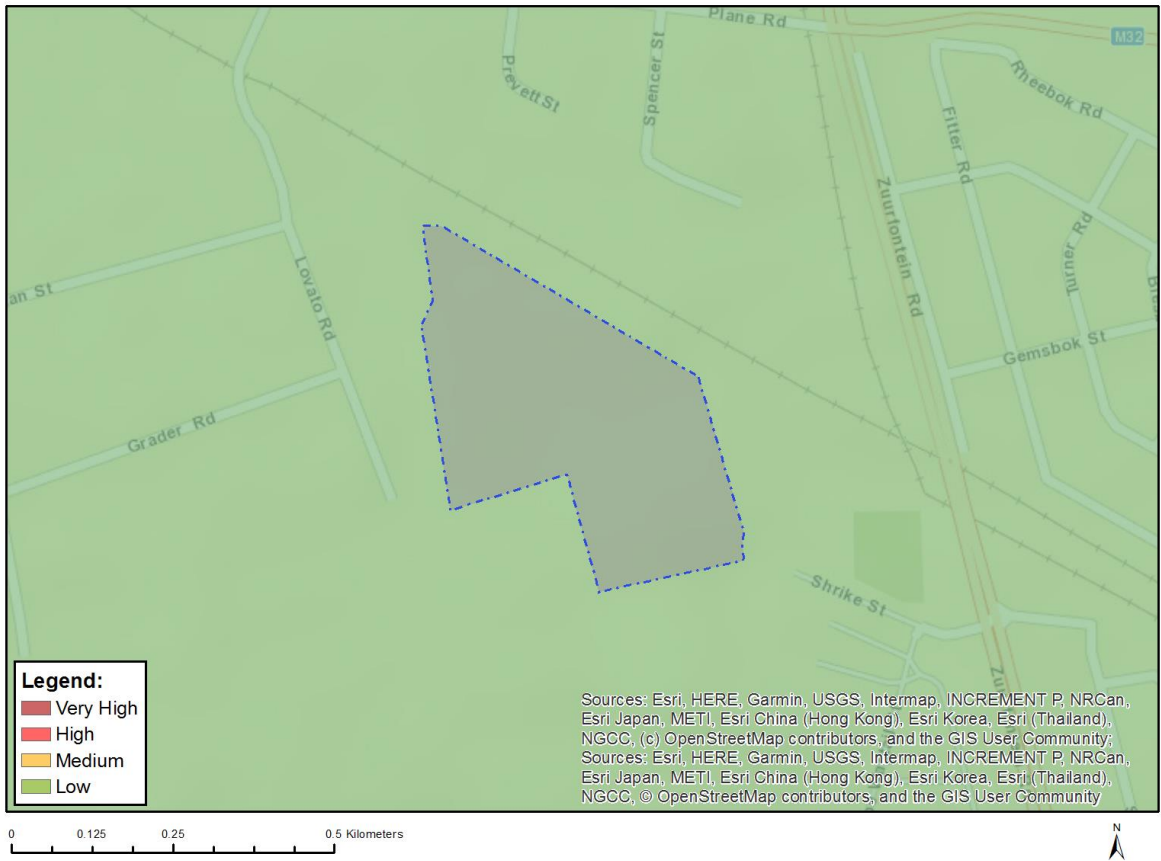


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 15 km of a civil aviation radar
High	Within 8 km of other civil aviation aerodrome
Medium	Within 5 km of an air traffic control or navigation site
Very High	Within 8 km of a major civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

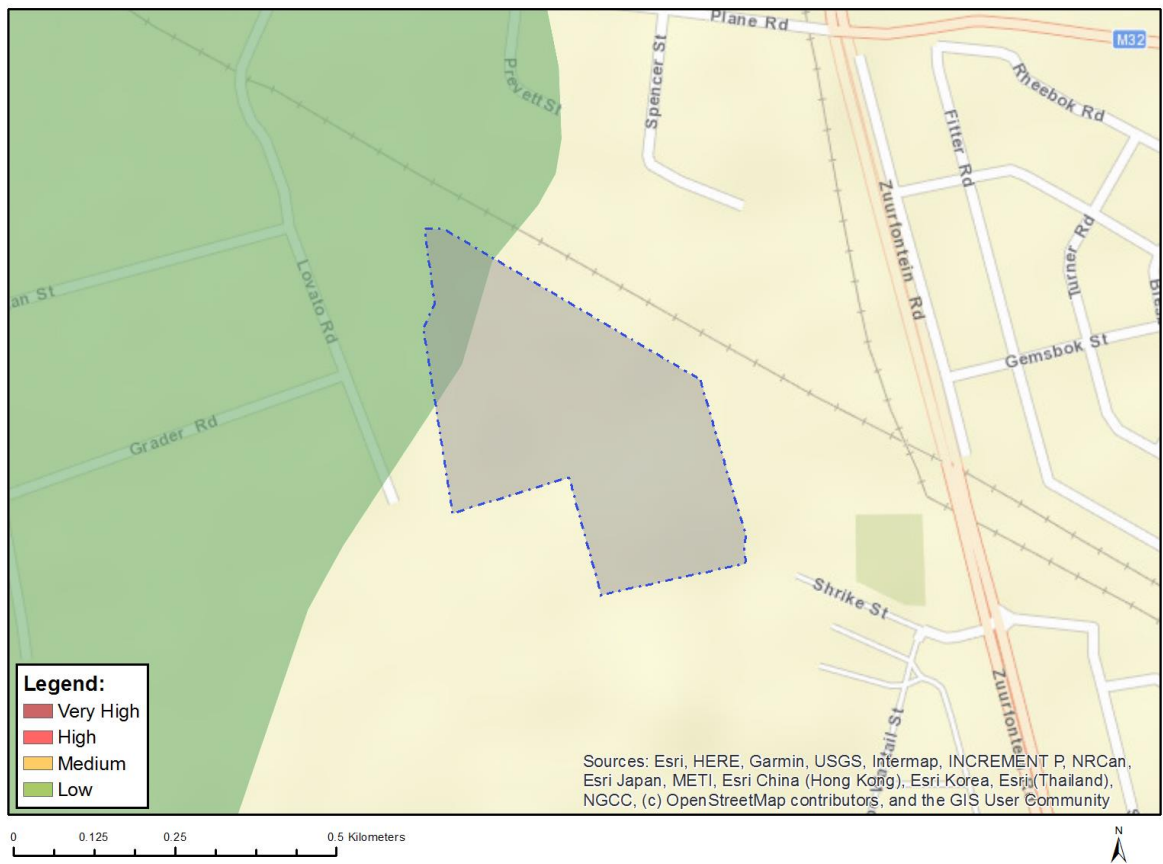


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

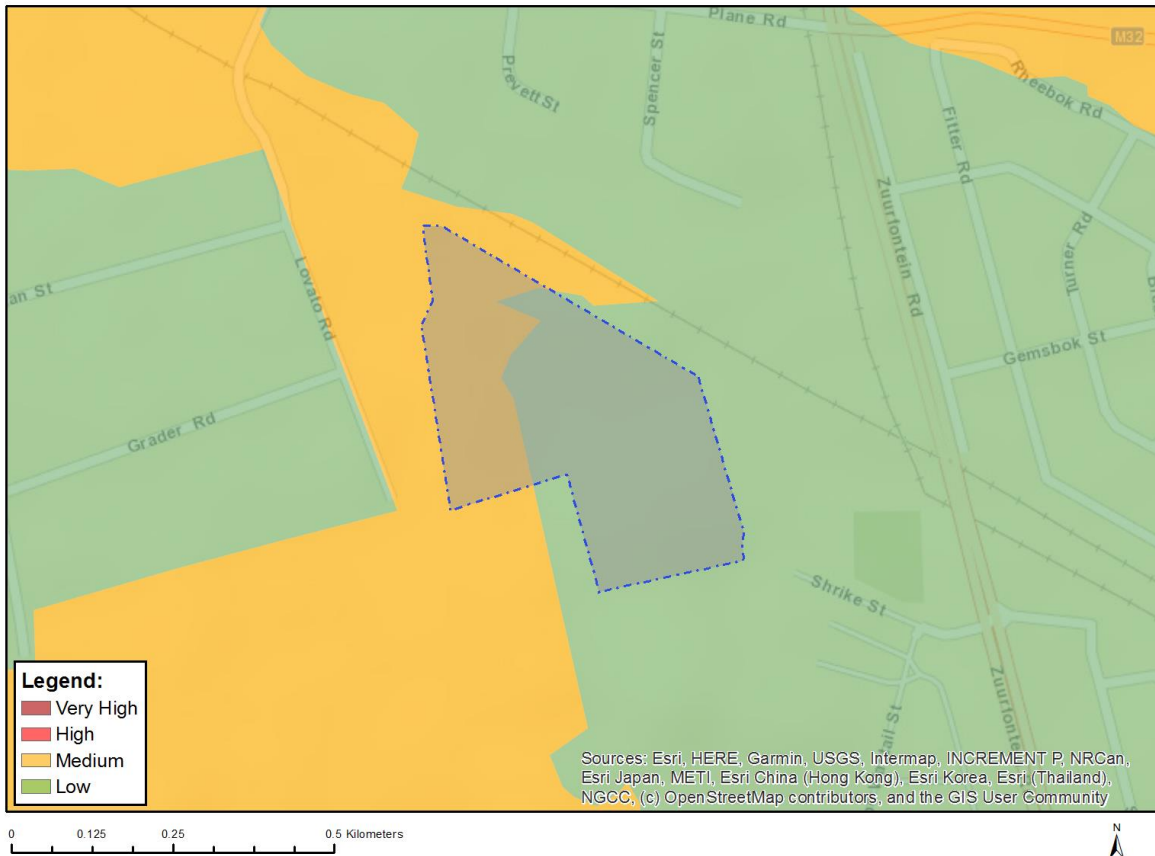


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Features with a Low paleontological sensitivity

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 1147
Medium	Brachycorythis conica subsp. transvaalensis
Medium	Sensitive species 1248

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	CBA 1
Very High	ESA 2

PREPARED FOR:



PREPARED BY:

Kelvin Power Station CCGT EIA



Environmental Site Sensitivity Verification Report

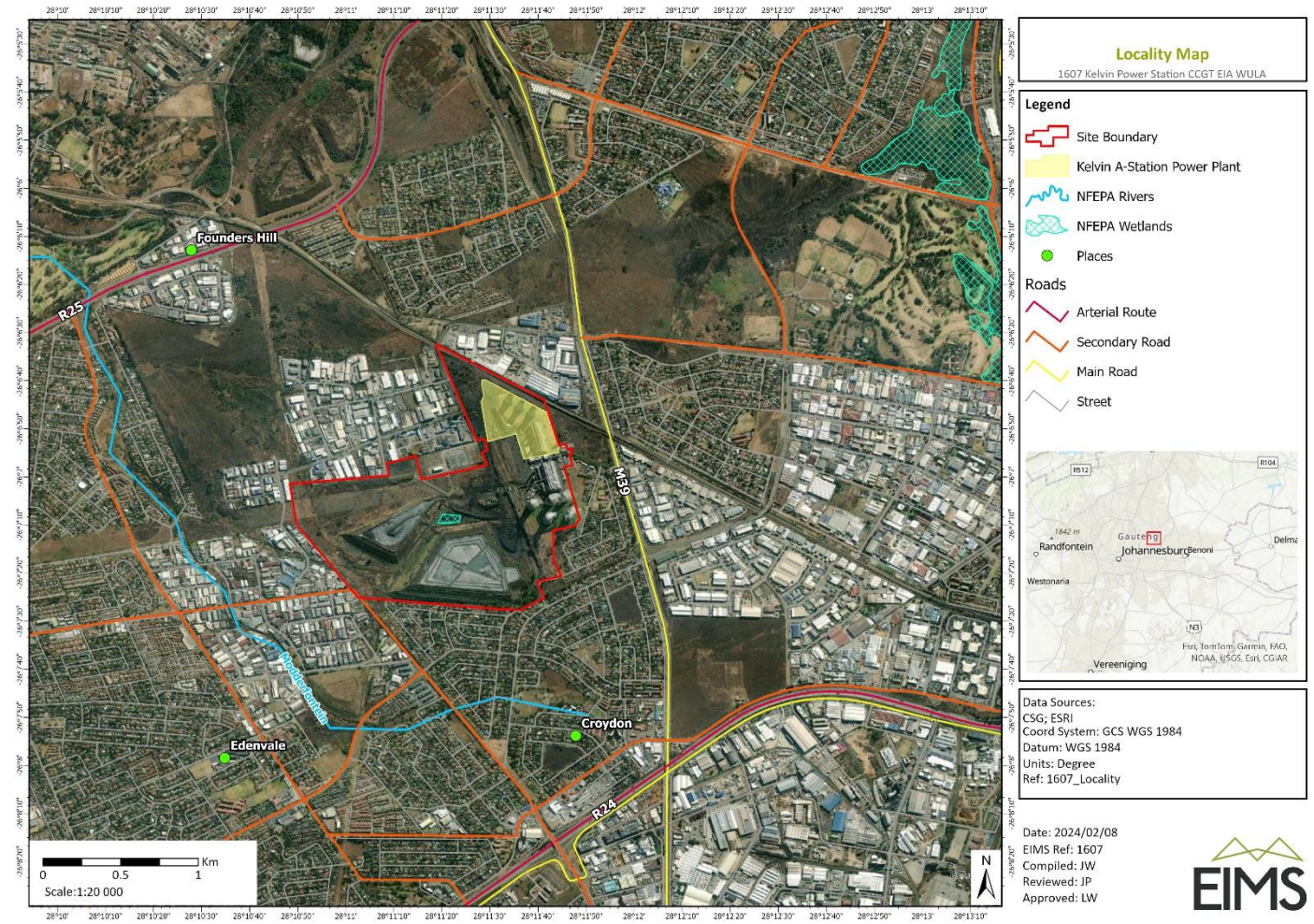
Site ID:	Kelvin Power Station	Contractor:	EIMS
Location:	Kempton Park, Ekurhuleni Metropolitan Municipality	Inspector:	Qaphela Magaqa
Client representative:	Lavhelesani Nelwamondo	Inspection Date:	14 February 2024

1. Background

Background of the project:	The applicant wishes to develop a Combined Cycle Gas Turbine (CCGT) Power Plant at the Kelvin Power Station. The net output will be approximately 600 megawatts. The proposed project is located on Zuurfontein Farm 33-IR portion 391 R/E, Ekurhuleni Metropolitan Municipality, Gauteng Province. The site is approximately 4km West South West of Kempton Park CBD. The centre point of the site is approximately				
Project Aspects:	Yes	No	Details (provide specifications)	Location (DD MM SS)	
				Latitude	Longitude
CCGT Power Plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The CCGT Power Plant will comprise of one H class gas turbine, a heat recovery boiler and a steam turbine. The main structures comprising the plant include a gas turbine building, steam turbine building, water treatment plant, heat recovery steam generator, mechanical draft cooling tower, EHV substation, exhaust stack, auxiliary buildings and administration buildings. Other possible infrastructure includes additional water and treated sewage wastewater supply pipelines, as well as electricity transmission lines to the City Power Sebenza substation adjacent to the power station. The final positions of all project components are to be determined during the EIA process.	26°06'45.84"S,	28°11'36.42"E.



2. Site Layout Plan



2. DEA Screening Tool Assessment

Aspect	Very High	High	Medium	Low
Agriculture Theme	X			
Animal species Theme		X		
Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage				X
Civil Aviation Theme	X			
Defence Theme				X
Palaeontology Theme				X
Plant Species Theme			X	
Terrestrial Biodiversity Theme	X			



3. Site Assessment

3.1 Gradient (indicate the general gradient characteristics of site)

Aspect									
WLTR plant, Remining and Repulping plant and Associated Infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Is the site located on or in the immediate vicinity of any of the following:

	WLTR Retrofitting and		
	Yes	No	Comment
Erosion Channels or areas of severe erosion/ destabilized soils	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No erosion channels or destabilised soils were noted through the desktop analysis and site visit.
Wetlands (within 32m)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No wetlands were identified within 32m of the proposed site through desktop studies and the site visit.
Unstable slopes or geological features (rocky outcrops)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No rocky outcrops or unstable slopes were noted on site and via desktop analysis. It is noteworthy that the proposed development is located on a brownfield site.
Bare areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The site was noted to be mainly covered by the A-station buildings and infrastructure. These are currently planned for demolition. Sections located adjacent to the A-station cooling towers are covered in lawn grass. The previous A-station coal stockpiles area was noted to be "bare" during the site visit.
Other Sensitive or risk areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No further sensitive areas were noted.
Are any existing servitudes and structures directly or indirectly affected by the proposed sites and routes (e.g. Eskom, public road servitudes and restrictions- 60m from National Road, farmer's water/irrigation supplies, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The proposed development is located within an existing power station and is mainly surrounded by powerline infrastructure/servitudes. It is



		<p>noteworthy that Eskom servitude has recently bought a servitude adjacent to the site. The Gautrain railway line runs approximately 40m from the Kelvin Power Station boundary at its closest point. Furthermore, there is a Transnet railway running across the proposed site, through the A-station coal stockpiles area. All relevant stakeholders have been identified and included in the I&AP database and informed of the proposed development.</p>
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3.2 Vegetation

Which of the listed descriptions best describes the general groundcover on and around the site?




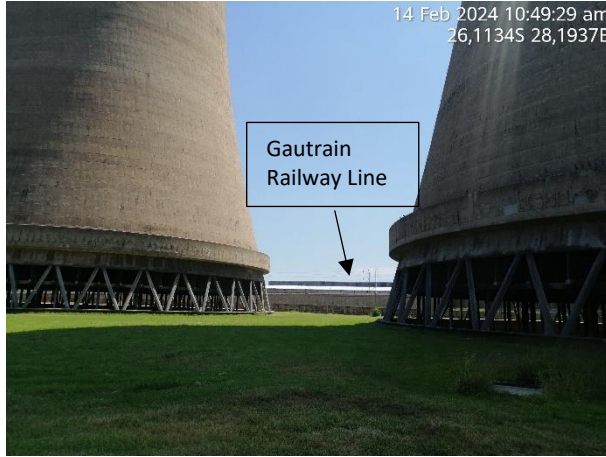
Natural veld - good condition <input type="checkbox"/>	Natural veld with scattered aliens <input checked="" type="checkbox"/>	Natural veld with heavy alien infestation <input type="checkbox"/>	Veld dominated by alien species <input type="checkbox"/>	Gardens <input type="checkbox"/>
Sport field <input type="checkbox"/>	Cultivated land <input type="checkbox"/>	Paved surface <input type="checkbox"/>	Building or other structure <input checked="" type="checkbox"/>	Bare soil <input type="checkbox"/>
Comments on vegetation composition:	The proposed development site is located within the Kelvin Power Station. The site consists of buildings and/colling towers surrounded by grass Kikuyu grass with scattered aliens located mainly along the railway alignment, access roads and sections adjacent the coal stockpiles area.			
Comments on weed species/type	A terrestrial biodiversity screening and compliance statement will be prepared. This section will be updated as per the specialist site assessment.			

Land cover/ use description: Describe the land uses on the site

	The current land use description on the site is Public service infrastructure – power generation. Kelvin Power Station is an operational power station consisting of the A-station and B-station. The A-station is no longer operational and is undergoing a demolition process. The proposed CCGT is to be located at the current A-station footprint.



Site Photos

	 <p>14 Feb 2024 10:45:31 am 26,1144S 28,1950E</p>	 <p>14 Feb 2024 10:49:11 am 26,1133S 28,1938E</p>
Describe area and adjacent land use:	View of the Kelvin A-station, cooling towers and access road.	Kelvin A-station cooling towers surrounded by natural veld.
	 <p>14 Feb 2024 10:49:22 am 26,1134S 28,1937E</p>	 <p>14 Feb 2024 10:49:29 am 26,1134S 28,1937E</p> <p>Gautrain Railway Line</p>
Describe area and adjacent land use:	Kelvin A-station dry coal storage area view surrounded by natural veld	Northerly view of the Gautrain railway line from site



<p>1</p>		
<p>Describe area and adjacent land use:</p>	<p>Existing cooling water pipeline infrastructure in place at the A-station.</p>	<p>South east view showing the operational B-station, A-station buildings including exhaust stacks</p>
		
<p>Describe area and adjacent land use:</p>	<p>Nort west view from site showing neighbouring industrial developments</p>	<p>View of railway line covered by natural veld vegetation with scattered alien vegetation</p>



Describe area and adjacent land use:





General view of A-station wet coal stockpile area



Describe area and adjacent land use:

General view of existing power station access road.



	 <p>14 Feb 2024 11:03:09 am 26,1145S 28,1920E</p>	 <p>14 Feb 2024 11:03:35 am 26,1144S 28,1923E</p>
Describe area and adjacent land use:	General view of A-station buildings to be demolished surrounded by natural veld with scattered alien infestation	General view of A-station buildings to be demolished
	 <p>14 Feb 2024 11:04:39 am 26,1142S 28,1929E</p>	 <p>14 Feb 2024 11:07:01 am 26,1148S 28,1935E</p>
Describe area and adjacent land use:	General view of Sebenza switch yard	



7. Verification findings and motivation:

Assessment for specialist studies and motivation:					
Screening Tool Specialist Study Required:	Level of Sensitivity:	Suggested Sensitivity:	Required Assessment	level of	Motivation
Agriculture Theme	Very High	Low	None.	<input type="checkbox"/>	The site is located on a property/site that is utilised for power generation since the 1960s, the proposed development is not anticipated to impact agricultural resources. A DFFE compliant agriculture/land use land capability/soils compliance statement will be undertaken by a suitably qualified specialist.
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Landscape/Visual Impact Assessment	N/A	Low	None.	<input checked="" type="checkbox"/>	The proposed development is located in a brownfield site whose land use has been power generation. The development site currently has power station infrastructure including cooling towers, the proposed development is therefore not anticipated to cause any visual/landscape intrusions as the proposed infrastructure is expected to be shorter/smaller than the currently existing power station infrastructure.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Archaeological and Cultural Theme	High	Low	None.	<input type="checkbox"/>	A previous heritage assessment was already completed for the decommissioning project in 2021 on the same site. The only heritage aspects identified in that study relate to the historic structures at the site. It is possible that exemption from the requirements of a full HIA will be granted by SAHRA for the CCGT project, and an exemption letter is planned to be submitted to SAHRA in this regard. If exemption is not granted then a full HIA will be undertaken.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other	X	
Palaeontology Theme	Low	Low	None.	<input checked="" type="checkbox"/>	No impacts on palaeontology are expected as a result of the project. The project is located within a low palaeontology sensitivity area.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Terrestrial Biodiversity Theme	Very High	Unknown	None.	<input type="checkbox"/>	A DFFE compliant Terrestrial Biodiversity compliance statement will be undertaken by a suitably qualified specialist as the proposed development is located in a brownfield site with various disturbances.
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Aquatic Biodiversity	Low	Low	None.	<input checked="" type="checkbox"/>	The nature of the development and components of the development during the construction and operational phases will not pose any risk to aquatic ecosystems and not wetlands are located in or near the proposed site. Therefore no specialist aquatic studies will be undertaken.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		



Hydrology Assessment	N/A	Low	None.	<input checked="" type="checkbox"/>	The proposed Kelvin Power Station site situated on the boundary of two quaternary catchments, A21C and A21A, with 97% of the site in quaternary catchment A21C (Juksei River Catchment). An unnamed tributary drains north-west for approximately 1.1km to confluence with the Modderfonteinspruit from the Kelvin Power ash dams where effluent is discharged (downstream of the power station), no impacts on hydrology have been identified as the project is significantly far from any water resources.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Noise Assessment	N/A	High	None.	<input type="checkbox"/>	The proposed development is neighboured by industrial and residential developments. A DFFE compliant Noise Assessment will be undertaken by a suitably qualified specialist.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other		
Traffic Assessment Impact	N/A	Low	None.	<input checked="" type="checkbox"/>	The proposed development of a CCGT plant is not anticipated to cause any significant impacts on traffic. It is anticipated that during construction there may be delivery trucks bringing in components of the proposed plant and increased number of workers traveling to site. However, it is understood that these activities will cause minor disruptions to traffic. The CCGT plant will be fuelled by gas that will be piped to the plant as such, no significant traffic impacts have been identified.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Geotechnical Assessment	N/A	Low	None.	<input checked="" type="checkbox"/>	The proposed CCGT plant will be built in a brownfield site that is currently being utilized for power generation infrastructure. It is understood that a geotechnical study was undertaken for the area previously and significant no geotechnical risks or issues were identified or have occurred on site, as such, no geotechnical studies have been deemed necessary for this EIA study. Aspects relating to soil erosion will be dealt with in the soils compliance statement.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Climate Assessment Impact	N/A	Unknown	None.	<input type="checkbox"/>	A Climate Impact Assessment will be undertaken by a suitably qualified specialist.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other		
Health Assessment Impact	N/A	Unknown	None.	<input checked="" type="checkbox"/>	A full DFFE compliant Air Quality Assessment will be undertaken, and will cover the health risks/aspects associated with the development of the Kelvin Power CCGT plant. . A human health risk and nuisance impact screening assessment based on NAAQS and dispersion simulation results will form part of the AQIA.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
	N/A	Unknown	None.	<input type="checkbox"/>	



Socio-Economic Assessment			Compliance Statement	<input type="checkbox"/>	A socio-economic study will be undertaken by a suitably qualified specialist.
			Full Assessment	<input checked="" type="checkbox"/>	
			Other		
Ambient Air Quality Impact Assessment	N/A	Unknown	None.	<input checked="" type="checkbox"/>	An Air Quality Impact Assessment will be undertaken by a suitably qualified specialist. The ambient air quality will be assessed as part of the Air Quality Impact Assessment/study.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Air Quality Impact Assessment	N/A	Unknown	None.	<input type="checkbox"/>	An Air Quality Impact Assessment will be undertaken by a suitably qualified specialist.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other		
Plant Species Assessment	Medium	Low	None.	<input type="checkbox"/>	A DFFE compliant Terrestrial Biodiversity compliance statement will be undertaken by a suitably qualified specialist and will cover the plant species theme.
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		
Animal Species Assessment	High	Low	None.	<input type="checkbox"/>	A DFFE compliant Terrestrial Biodiversity compliance statement will be undertaken by a suitably qualified specialist. The proposed development is located on a brownfield site and is not anticipated to have significant impacts on animal species
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		

Guidance notes:

- An applicant intending to undertake an activity identified in the scope of this protocol, on a site identified by the screening tool as being of “very high” or “high” sensitivity for terrestrial animal species must submit a Terrestrial Animal Species Specialist Assessment Report.
- An applicant intending to undertake an activity identified in the scope of this protocol on a site identified by the screening tool as being of “medium sensitivity” for terrestrial animal species must submit either a Terrestrial Animal Species Specialist Assessment Report or a Terrestrial Animal Species Compliance Statement, depending on the outcome of a site inspection undertaken in accordance with paragraph 4.
- An applicant intending to undertake an activity identified in the scope of this protocol on a site identified by the screening tool as being of “low” sensitivity for terrestrial animal species must submit a Terrestrial Animal Species Compliance Statement.
- Where the information gathered from the site sensitivity verification differs from the screening tool designation of “very high” or “high”, for terrestrial animal species sensitivity and it is found to be of a “low” sensitivity, then a Terrestrial Animal Species Compliance Statement must be submitted.
- Where the information gathered from the site sensitivity verification differs from the screening tool designation of “low” terrestrial animal species sensitivity and it is found to be of a “very high” or “high” terrestrial animal species sensitivity, a Terrestrial Animal Species Specialist Assessment must be conducted.
- If any part of the development falls within an area of confirmed “very high” or “high” sensitivity, the assessment and reporting requirements prescribed for the “very high” or “high” sensitivity, apply to the entire development footprint. Development footprint



in the context of this protocol means, the area on which the proposed development will take place and includes the area that will be disturbed or impacted.