



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 IN RESPECT OF LISTED ACTIVITIES THAT HAVE BEEN TRIGGERED BY APPLICATIONS IN TERMS OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (MPRDA) (AS AMENDED).

IMPORTANT NOTICE

Kindly note that:

1. As from 8 December 2014, this document serves as the application form, and incorporates the requisite documents that are to be submitted together with the application for the necessary environmental authorisations in terms of the said Acts.
2. This application form is applicable while the Mineral and Petroleum Resources Development Amendment Act of 2008 is in effect, as the form may require amendment should the Act be further amended.
3. Applicants are required to apply for the necessary water use licence and any other authorisations or authorisations to the relevant competent authorities as required by the relevant legislation. Upon acceptance of an application for a right or permit in terms of the MPRDA, applicants will be required to provide evidence to the Regional Manager that a water use licence has been applied for.
4. The Regional Manager will respond to the application and provide the reference and correspondence details of the Competent Authority, and in the event that the application for a right or permit is accepted, together with the date by which the relevant environmental reports must be submitted. Notwithstanding anything that may appear to be stated to the contrary in the acceptance letter, the timeframes are in fact aligned and the prescribed timeframes for the submission of documents as regulated by the NEMA regulations must be strictly adhered to.
5. The application must be typed within the spaces provided in the form. The sizes of the spaces are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
6. The failure to submit complete information as required in this application form may result in the refusal of the application for an environmental authorisation and consequently of the right or permit applied for.
7. This application must be submitted through the SAMRAD online application system of the Department of Mineral Resources under "Other documents to upload".
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.
9. Please note that an application fee is payable in terms of the National Environmental Management Act and the National Waste Management Act, which fees must be paid upon lodgement of the application. Should the said application fees not be paid as prescribed the application for a right or permit in terms of the Mineral and Petroleum Resources Development Act cannot be considered to have been made in the prescribed manner and the said application for a right or permit will have to be rejected. In this regard the type of applications must be identified in the table below.

PLEASE STATE TYPE OF AUTHORISATIONS BEING APPLIED FOR

APPLICATION TYPE	APPLICABLE FEE	Mark with an X where applicable
NEMA S&EIR application on its own	R10 000.00	
NEMA BAR application on its own	R2 000.00	
NEMWA S&EIR application on its own	R10 000.00	
NEMWA BAR application on its own	R2 000.00	
NEMA S&EIR application combined with NEMWA S&EIR application	R15 000.00	X
NEMA BAR application combined with NEMWA BAR application	R3 000.00	
NEMA S&EIR application combined with NEMWA BAR application	R11 000.00	

1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT

This application is for a Scoping Report and EIAR process for a Mining Right. The public consultation process will meet the full set of requirements as set out in Chapter 6 of the National Environmental Management Act (No 107 of 1998) – Environmental Impact Assessment Regulations, 2014. The public participation process that will be undertaken for the project has been outlined in Section 6 of this application form.

2. DETAILS OF THE APPLICANT

Project applicant:
 Registration no (if any):
 Trading name (if any):
 Responsible Person,
 (e.g. Director, CEO, etc.):
 Contact person:
 Physical address:

 Postal address:

 Postal code:
 Telephone:
 E-mail:

Renaissance Resources (Pty) Ltd		
2015/029141/07		
Renaissance		
Juan van der Westhuizen		
Juan van der Westhuizen or Abraham Malo		
61c Long Street		
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jbvanderwesthuizen@gmail.com		
maloa@telkomsa.net		

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:
 Professional affiliation/registration:

 Contact Person, (if different from EAP):
 Company:
 Physical address:
 Postal address:
 Postal code:
 Telephone:

 E-mail:

ROELIEN OOSTHUIZEN		
Registered EAPASA Environmental Assessment Practitioner: Number 2019/1467 Registered as a professional at IAIAAs (International Association for Impact Assessment South Africa)		
ROELIEN OR WILLIE OOSTHUIZEN		
WADALA MINING AND CONSULTING (PTY) LTD		
FARM OBERON, KIMBERLEY; 8301		
P.O. BOX 110823, HADISON PARK, KIMBERLEY		
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082 870 9973		
084 208 9088		
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An independent EAP has been appointed as stipulated by the NEMA Regulations. Please refer to **Appendix 1** for the declaration of independence, CV and list of projects completed by the appointed EAP, indicating the experience with environmental impact assessments and relevant application processes.

4. PROJECT DESCRIPTION

Farm Name:	PORTION 2 (AT LAST) OF THE FARM NO. 232, Barkly-Wes IN EXTENT: 2 723.7718 HA PORTION 2, 3, 4, 5 AND 6 OF THE FARM DE BAD 155, Kimberley IN EXTENT: 3 497.4237 HA TOTAL EXTENT: 6 221.1955 HA
Application area (Ha)	6221.1955 ha (Six thousand two hundred and twenty one comma one nine five five hectares.)
Magisterial district:	Barkly-Wes and Kimberley
Distance and direction from nearest town	The At Last area is situated \pm 14km west from the town Delportshoop, \pm 30 km north from Barkly West and \pm 62.3 km north west from Kimberley The De Bad area is situated \pm 17.5 km south of the town Schmidtsdrift, \pm 36.72 km north east from Douglas and \pm 68.69 km west from Kimberley as the major town.
21-digit Surveyor General Code for each farm portion	Ptn 2 / At Last 232 - C00700000000023200002 Ptn 2 / De Bad 155 - C03700000000015500002 Ptn 3 / De Bad 155 - C03700000000015500003 Ptn 4 / De Bad 155 - C03700000000015500004 Ptn 5 / De Bad 155 - C03700000000015500005 Ptn 6 / De Bad 155 - C03700000000015500006
Locality map	Attach a locality map at a scale not smaller than 1:250000 and attach as Appendix 2
Description of the overall activity. (Indicate Prospecting Right, mining Permit, Mining right, Bulk Sampling, Production Right, Exploration Right, Reconnaissance permit, Technical co-operation permit, Additional listed activity)	Renaissance Resources is in the process of applying for a Mining Right for the mining of diamonds. They therefore seek to apply for an additional Environmental Authorisation for this area which will include the listed activities for a mining operation. Renaissance Resources is the holder of a Prospecting Rights on the same properties.

5. ACTIVITIES TO BE AUTHORISED

An Environmental Authorization has been obtained for the same property (Appendix 3) under the granted prospecting right (Approved Environmental Plan).

This environmental Authorization will make provision for mining which had not been included in the initial application and Environmental Authorization attached as Appendix 3.

This Environmental Authorization application involves more than one listed activity, which together make up one mining operation. Therefore, please find attached a proposed site plan, drawn to a scale acceptable to the competent Authority, showing the location of all activities to be applied for, as Appendix 4.

Table 1: Listed and Specified Activities

Name of activity (e.g. Excavations, blasting, stockpiles, discard dumps or dams, loading, hauling and transport, water supply dams and boreholes, accommodation, offices, abutment, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.)	Aerial extent of the activity (Ha or m ²)	Listed Activity (mark with an X where applicable or affected)	Applicable Listing Notice (GNR544, GNR545 or GNR546 / Not listed GNR983, GNR984, GNR985/ Not listed)
Activity 9: "The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water- (vii) with an internal diameter of 0.36 metres or more; or (viii) with a peak throughput of 120 litres per second or more;	Water distribution Pipelines	X	NEMA: LN1 (GNR327)
Activity 12: "The development of— The development of— (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs— (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse"	Clean and dirty water system It is anticipated that the operation will establish storm water control berms and trenches to separate clean and dirty water on the mining site.	X	NEMA: LN1 (GNR327)
Regulation GN R704, published on 4 June 1999 in terms of the National Water Act (Use of water for mining and related activities) Activity 13: The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50 000 cubic meters or more, unless such storage falls within the ambit of activity 16 in Listing Notice 2 of 2014 Activity 19: The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse; Activity 24: The development of a road-	Possible storage dam and tanks Possible excavation within the 1:100-year flood line if approval is received from DWA Access and haul roads 10 000m ²	X X X	NEMA: LN1 (GNR327) NEMA: LN1 (GNR327) NEMA: LN1 (GNR327)

<p>(ii) a road with a reserve wider than 13,5 meters or where no reserve exists where the road is wider than 8 metres.</p>	<p>Activity 17: Any activity including the operation of that activity which requires a mining right as contemplated in section 22 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), including –</p> <p>(a) associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource; or</p> <p>(b) the primary processing of a mineral resource including winning, extraction, classifying, crushing, screening or washing;</p> <p>But excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in Listing notice 2 applies.</p> <p>The Renaissance operation directly relates to mining of a mineral resource (diamonds) and requires a mining right.</p>	<p>6 221.1955 ha</p>	<p>X</p>	<p>NEMA: LN2 (GNR325)</p>
<p>Activity 14: The development and related operation of facilities or infrastructure for the storage and handling of dangerous goods (fuel), where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic meters.</p>	<p>Activity 15: The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>2 X 23 000l diesel tanks = 46 000l with capacity for storing of old oils and new oils to be calculated</p>	<p>X</p>	<p>NEMA: LN1 (GNR327)</p>
<p>Activity 12(g): The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such list,</p>	<p>±250 ha</p>	<p>X</p>	<p>NEMA: LN2 (GNR325)</p>
<p>At Last falls into Critical Biodiversity Area 1 and 2 as well as Ecological Support Areas and Freshwater Ecosystem priority area quinary catchments</p>	<p>X</p>	<p>NEMA: LN3 (GNR 324)</p>		

<p>within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;</p> <p>ii. Within critical biodiversity areas identified in bioregional plans;</p> <p>Activity 11:</p> <p>The establishment or reclamation of a residue stockpile or residue deposit resulting from activities which require a mining right, exploration right or production right in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002)</p>	<p>A small part of De Bad falls into Critical Biodiversity Area 2 and Ecological Support Areas.</p> <p>0.3ha</p> <p>The disposal of inert waste of 10 000 tons, excluding the disposal of such waste for the purposes of levelling and building which has been authorised by other legislation.</p> <p>The continuous establishment and reclamation of temporary stockpiles resulting from activities which require a mining right.</p>	<p>NEMWA: Category B (GNR 633)</p>
<p>Office complexes</p> <p>Temporary workshop facilities</p> <p>Storage facilities</p> <p>Concrete bund walls and diesel depots</p> <p>Ablution facilities</p> <p>Topsoil stockpiles</p> <p>Overburden stockpiles</p> <p>Water tanks</p>	<p>± 200 m2</p> <p>± 300 m2</p> <p>± 2 000 m2</p> <p>± 250 m2</p> <p>± 30 m2</p> <p>± 500 m2</p> <p>5 000 m2</p> <p>3m x 3m = 9m² each</p> <p>15m x 30m = 450m²</p>	<p>Not Listed</p>
<p>Waste disposal site (domestic and industrial waste):</p> <p>It is anticipated that the operation will establish a dedicated, fenced waste disposal site with a concrete floor and bund wall. The following types of waste will be disposed of in this area:</p> <ul style="list-style-type: none"> • Small amounts of low-level hazardous waste in suitable receptacles. • Domestic waste. • Industrial waste. 		<p>Not Listed</p>

6. PUBLIC PARTICIPATION

(Provide details of the public participation process proposed for the application as required by Regulation).

Details of the Public Participation process to be followed.

6.1.1 IDENTIFICATION OF INTERESTED AND AFFECTED PARTIES TO BE CONSULTED

IDENTIFICATION CRITERIA	Mark with an X where applicable	
	YES	NO
Will the landowner be specifically consulted?	X	
Will the lawful occupier on the property other than the Landowner be consulted?	X	
Will a tribal authority or host community that may be affected be consulted?	X	
Will recipients of land claims in respect of the area be consulted?	X	
Will the landowners or lawful occupiers of neighbouring properties be identified?	X	
Will the local municipality be consulted?	X	
Will the Authority responsible for power lines within 100 metres of the area be consulted?	X	
Will Authorities responsible for public roads or railyway lines within 100 metres of the area applied for be consulted?	X	
Will Authorities responsible for any other infrastructure within 100 metres of the area applied for be consulted? (Specify)	X	
Will the Provincial Department responsible for the environment be consulted?	X	
Will all the parties identified above be provided with a description of the proposed prospecting/mining operation as referred above?	X	
Other, Specify		

6.1.2 DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

<p>Steps to be taken to notify interested and affected parties (Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultations. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. Photographs of notice boards, and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application must be attached as Appendix)</p>	<p>PROVIDE DESCRIPTION HERE</p> <p>The landowner and the neighbours will be informed personally and consulted by the applicant and this will be confirmed in writing. A consultation letter will be send to the farm owners. An advert will be published in the local newspaper for comments and a public meeting will be held if required by interested and affected parties.</p>
<p>Information to be provided to Interested and Affected Parties</p>	<p>Compulsory</p> <ul style="list-style-type: none"> • The site plan. • List of activities to be authorised. • Scale and extent of activities to be authorised. • Typical impacts of activities to be authorised (e.g. surface disturbance, dust, noise, drainage, fly rock etc.). • The duration of the activity. • Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land). <p>Other, specify:</p>
<p>Information to be required from Interested and Affected Parties</p>	<p>Compulsory</p> <ul style="list-style-type: none"> • To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions. • To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity. • To provide information on current land uses and their location within the area under consideration. • To provide information on the location of environmental features on site to make proposals as to how and to what

	<p>standard the impacts on site can be remedied requested to make written proposals.</p> <ul style="list-style-type: none"> To mitigate the potential impacts on their socio economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied.
	Other, specify

7. DESCRIPTION OF THE ASSESSMENT PROCESS TO BE UNDERTAKEN

ITEM	DESCRIPTION
<p>Environmental attributes Describe how the environmental attributes associated with the development footprint will be determined.</p>	<p>Specific environmental features and/or infrastructure occur on site or within close proximity include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Agricultural lands <input type="checkbox"/> Eskom powerline <input type="checkbox"/> Farm buildings <input type="checkbox"/> Public gravel road <input type="checkbox"/> Reservoir <input type="checkbox"/> R370 Provincial road <input type="checkbox"/> Vaal River <input type="checkbox"/> Water boreholes <p>This will be determined by a site inspection and information received from the interested and affected party consultation. Also specialist reports will further inform how the proposed mining will impact on the application area.</p>
<p>Identification of impacts and risks Describe the process that will be used to identify impacts and risks.</p>	<p>The process used to identify and assess risks for the project are as follows: For each potential impact, the duration (time scale), extent (spatial scale), irreplaceable loss of resources, reversibility of the potential impacts, magnitude of negative or positive impacts, and the probability of occurrence of potential impacts must be assessed. The assessment of the above criteria will be used to determine the significance of each impact, with and without the implementation of the proposed mitigation measures.</p>
<p>Consideration of alternatives Describe how alternatives, and in particular the alternatives to the proposed site layout and possible alternative methods or technology to be applied will be determined.</p>	<p>The only other alternative would be not to apply for the diamonds on a Mining Right application.</p> <p>CONSEQUENCE IF NOT PROCEEDING WITH THE OPERATION</p> <p>The operation will makes provision for 15 - 35 job opportunities. This will be lost if the project does not proceed. Substantial tax benefits to the state and local government will also be lost.</p>
<p>Process to assess and rank impacts Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.</p>	<p>For each potential impact, the duration (time scale), extent (spatial scale), irreplaceable loss of resources, reversibility of the potential impacts, magnitude of negative or positive impacts, and the probability of occurrence of potential impacts must be assessed. The assessment of the above criteria will be used to determine the significance of each impact, with and without the implementation of the proposed mitigation measures</p>
<p>Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact</p>	<p>Should there be a need for specialist studies their reports will be taken into consideration and findings disclosed to all interested and affected parties. As this area is already</p>

identification, assessment and remediation process.	disturbed (mining around the area) there are foreseen findings from specialists in pristine areas. A Ecological study, Biodiversity study as well as a Heritage Assessment and Palaentological report and Wetland assessment will be conducted on the property.
Determination of impact management objectives and outcomes Describe how impact management objectives will be determined for each activity to address the potential impact at source, and how the impact management outcomes will be aligned with standards	Based on the assessment and where applicable the recommendations from specialist reports, the recording of proposed impact management objectives, and the impact management outcomes for the development for inclusion in the EMPr as well as for inclusion as conditions of authorisation.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
SEMA's				
National Environmental Management: Air Quality Act		X		
National Environmental Management: Biodiversity Act		X		
National Environmental Management: Integrated Coastal Management Act		X		
National Environmental Management: Protected Areas Act				
National Environmental Management: Waste Act		X		
National Legislation				
Mineral Petroleum Development Resources Act	X		X	
National Water Act	X	X		
National Heritage Resources Act		X		
Others: Please specify				

Please provide proof of submission of applications in **Appendix 5**.

In the event that an authorisation in terms of the National Environmental Waste Management Act is required for any of the activities applied for please state so clearly in order for such an authorisation to be considered as part of this application.

9. DRAFT EMPr

For consultation purposes, provide a high level approach to the management of the potential environmental impacts of each of the activities applied for.

ACTIVITIES	PHASE (of operation in which activity will take place)	6 221.1955 ha	TYPICAL MITIGATION MEASURES	COMPLIANCE WITH STANDARDS
(E.g. for prospecting – drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route, etc. ... etc. E.g. for mining – excavations, blasing, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc. ... etc.)	State: Planning and design, Pre-Construction, Operational, Rehabilitation, Closure, Post closure		(e.g. storm water control, dust control, noise control, access control, rehabilitation, etc. ... etc.)	(A description of how each of the recommendations herein will comply with any prescribed environmental management standards or practices that have been identified by Competent Authorities)

Data Collection	Planning	6 221.1955 ha	<input type="checkbox"/> Reliable data sources to be used <input type="checkbox"/> Safety precautions at mine	<input type="checkbox"/> Signed declarations <input type="checkbox"/> Mine Health and Safety Act 1996
Site access	Destruction of flora	20 000m ²	<input type="checkbox"/> Ensure site access routes are adhered to. <input type="checkbox"/> Signage to be displayed <input type="checkbox"/> Remove vegetation before mining commences.	<input type="checkbox"/> Adherence to applicable legislation. <input type="checkbox"/> No unnecessary loss of flora.
Site access	Soil compaction from use of access roads	20 000m ²	<input type="checkbox"/> Soil management programme	<input type="checkbox"/> No unnecessary loss of soil <input type="checkbox"/> NEMA, Biodiversity Act
Site access	Vehicle traffic noise pollution	20 000m ²	<input type="checkbox"/> Limit activities to normal working hours. <input type="checkbox"/> Servicing of machines and vehicles as necessary. <input type="checkbox"/> Stick to speed limits: 40km	<input type="checkbox"/> Avoid loud unnecessary noise impacts <input type="checkbox"/> No complaints from neighbours <input type="checkbox"/> Adhere to noise limits as stated in Health and Safety Act 1993 and Air Quality Act 2004: Dust Regulations
Site establishment (mining area)	Destruction of flora	500 ha that will be mined areas.	<input type="checkbox"/> Only remove what is necessary. <input type="checkbox"/> Demarcation of no-go areas <input type="checkbox"/> Awareness training	<input type="checkbox"/> End use objective to be kept in mind while removing vegetation. <input type="checkbox"/> Adherence to the Biodiversity Act 2004.
Site establishment (mining area)	Surface disturbance (topsoil removal)	500 ha that will be mined	<input type="checkbox"/> Remove topsoil 100-150mm <input type="checkbox"/> Stockpile in designated area <input type="checkbox"/> Ensure no invasive species establish	<input type="checkbox"/> Visual inspection on topsoil (invasive species) <input type="checkbox"/> No wastage of valuable resource. <input type="checkbox"/> Adherence to Alien Invasive Species Regulations 2014.
Site establishment (mining area)	Dust emission from clearing soil	The plant will be constructed access the areas for 500 ha of disturbance of mining activities	<input type="checkbox"/> Dust suppression to be undertaken when deemed necessary. <input type="checkbox"/> Dust sampling: Personal exposure and dust buckets	<input type="checkbox"/> Avoid dust pollution and complaints from public. <input type="checkbox"/> Remain within the Air Quality Act, 2004 Dust regulations

Mining activities	Surface disturbance	500 ha that will be removed and plant that will be constructed on area	<input type="checkbox"/> Stick with mining layout plan, site layout. <input type="checkbox"/> Monitoring on mining areas weekly	<input type="checkbox"/> No mining over allowed boundaries <input type="checkbox"/> Inspection sheet to be completed on mining areas <input type="checkbox"/> Adherence to MPRDA and authorisation
Mining activities	Potential hydrocarbon spills from machinery and equipment	500ha that will be removed and plant that will be constructed on area	<input type="checkbox"/> Spills kits and preventative measures to be in place at all times at the mine. <input type="checkbox"/> Proper servicing of equipment and machinery. <input type="checkbox"/> Training and awareness	<input type="checkbox"/> No hydrocarbon spills evident. <input type="checkbox"/> Pollution avoidance <input type="checkbox"/> Training programme
Mining activities	Dust from mining activities	500 ha that will be removed	<input type="checkbox"/> Dust suppression to be undertaken. <input type="checkbox"/> Dust monitoring	<input type="checkbox"/> Dust agent used from an approved source <input type="checkbox"/> Remain within the Air Quality Act, 2004 Dust regulations
Mining activities	Possible Change in drainage patterns	500 ha that will be removed on area	<input type="checkbox"/> Erosion Management Plan <input type="checkbox"/> Weekly visual inspections	<input type="checkbox"/> No visible erosion
Mining activities	Aesthetics Value	500 ha that will be removed on area	<input type="checkbox"/> Screen off mining activities where necessary	<input type="checkbox"/> No complaints received from public

10. CLOSURE PLAN

<p>In the space provided under each heading below, please provide a high level description of the plan for closure and the information that will be provided in the draft EMPr accompanying draft basic assessment report or environmental impact reports going forward.</p>	
<p>Baseline environment Describe how the baseline environment will be determined with the input of interested and affected parties and due cognizance of the current land uses and or existing biophysical environment.</p>	<p>The baseline environment will be determined by site visit, specialist studies (if necessary) and a desktop study. Information will also be obtained should there be any concerns from local communities/ landowners.</p>
<p>Closure objectives Describe the closure objectives and the extent to which they will be aligned to the baseline environment</p>	<ul style="list-style-type: none"> ➤ The main closure objective of the applicant is to leave the farm in the same state as it was received in. ➤ To prevent the sterilization of any ore reserves. ➤ To prevent the establishment of any permanent structures or features. ➤ The mine also has the objective to establish a stable and self-sustainable vegetation cover if necessary. ➤ To limit and rehabilitate any erosion features and prevent any permanent impact to the soil capability of the mine.

	<ul style="list-style-type: none"> ➤ To limit and manage the visual impact of the mine. ➤ To safeguard the safety and health of humans and animals on the mine. ➤ The last closure objective is that the mine is closed efficiently, cost effectively and in accordance with government policy.
<p>Rehabilitation Plan Describe the scale and aerial extent of the prospecting or mining listed activities to be authorised, including the anticipated prospecting or mining area at the time of closure, and confirm that a site rehabilitation plan drawn to a suitable scale will be provided in the draft EMPr to be submitted together with the draft EIR or Basic Assessment Report as the case may be.</p>	<ul style="list-style-type: none"> ➤ Infrastructure Areas: On completion of the mining operation, the various surfaces, including the access roads, the office area, storage area, will finally be rehabilitated as follows:- All remaining material on the surface will be removed to the original topsoil level. This material will then be backfilled into the depressions. Any compacted area will then be ripped to a depth of 300mm, where possible, the topsoil or growth medium returned and landscaped. <p>All infrastructures, equipment, screening plant, and other items used during the operational period will be removed from the site.</p> <p>On completion of operations, all buildings, structures or objects on the office site will be dealt with in accordance with Regulation 44 of the Minerals and Petroleum Resources Development Act, 2002, which states:-</p> <p><i>Regulation 44</i></p> <ol style="list-style-type: none"> 1. <i>When a prospecting right, mining right, retention permit or mining permit lapses, is cancelled or is abandoned or when any prospecting or mining operation comes to an end, the holder of such right or permit may not demolish or remove any building, structure or object –</i> <ol style="list-style-type: none"> (a) <i>which may not be demolished or removed in terms of any other law;</i> (b) <i>which has been identified in writing by the Minister for purposes of this section; or</i> (c) <i>which is to be retained in terms of an agreement between the holder and the owner or occupier of the land, which agreement has been approved by the Minister in writing.</i> 2. <i>The provision of subsection (1) does not apply to bona fide mining equipment, which may be removed.</i> <p>Topsoil and Stockpile Deposits: Disposal facilities Waste material of all description inclusive of receptacles, scrap, rubble and tyres will be removed entirely from the mining area and disposed of at a recognised landfill facility. It will not be permitted to be buried or burned on the site.</p> <p>Ongoing seepage, control of rain water</p>

No monitoring of ground or surface water will take place, except if so requested by the DWS – Kimberley.

Long term stability and safety

It will be the objective of mine management to ensure the long term stability of all rehabilitated areas including the backfilled depressions. This will be done by the monitoring of all areas until a closure certificated has been issued.

Final rehabilitation in respect of erosion and dust control

Self-sustaining vegetation will result in the control of erosion and dust and no further rehabilitation is planned.

Rehabilitation of mining. All available material will be used during backfilling to avoid the existence of dangerous excavations.

Final rehabilitation roads

After rehabilitation has been completed, all roads will be ripped or ploughed, fertilized and seeded, providing the landowner does not want them to remain that way and with written approval from the Director Mineral Development of the Department of Mineral Resources.

Submission of information

Reports on rehabilitation and monitoring will be submitted annually to the Department of Mineral Resources – Kimberley, as described in Regulation 55 and NEMA.

Maintenance (Aftercare)

Maintenance after closure will mainly concern the regular inspection and monitoring and/or completion of the re-vegetation programme.

The aim of this Environmental Management Plan is for rehabilitation to be stable and self-sufficient, so that the least possible aftercare is required.

The aim with the closure of the mine will be to create an acceptable post-mine environment and land-use. Therefore all agreed commitments will be implemented by Mine Management.

➤ After-effects following closure:

Acid mine drainage

No potential for bad quality leach ate or acid mine drainage development exist after mine closure (in this case all alluvial material will be removed).

	<p>Long term impact on ground water No after effect on the groundwater yield or quality is expected.</p> <p>Long-term stability of rehabilitated land One of the main aims of any rehabilitated ground will be to obtain a self-sustaining and stable end result. Cleaning of all material concurrently and replacing of topsoil where available.</p>
<p>Rehabilitation Cost Describe how the rehabilitation cost will be determined and provide a preliminary estimated thereof.</p>	<p>The quantum for rehabilitation guarantee will be determined by the area of disturbance, calculated in terms of the Calculation of the Quantum table.</p> <p>A guarantee of is already available on the Prospecting Right. A guarantee will be given of R72 000 for the mining right.</p>
<p>Decommissioning Considering that rehabilitation must take place upon cessation of an activity, describe when each of activities applied for will be rehabilitated in terms of either the cessation of the individual activity or the cessation of the overall prospecting or mining activity.</p>	<p>The last phase of the proposed mining operation, namely the decommissioning- and closure phase, will consist mainly of the following activities:</p> <ul style="list-style-type: none"> • The removal of waste material of any description from the mining area and the disposal thereof at a recognised landfill facility. • The removal of infrastructure, equipment, plant and other items from the site; • The ripping of compacted areas to a level of 300 mm and the levelling of such areas in order to re-establish a growth medium for plants (such areas will furthermore be seeded with a vegetation seed mix adapted to reflect the local indigenous flora that was present prior to the mining operation, if the re-establishment of vegetation is unacceptably slow.



Signature of the applicant/Signature on behalf of the applicant:

Wadala Mining and Consulting (Pty) Ltd

Name of company (if applicable):

Date: 19 July 2021

**APPENDIX 1
DECLARATION OF THE EAP**

I, **RH Oosthuizen**, declare that –

General declaration:

- I act as the independent environmental practitioner in this application;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing – any decision to be taken with respect to the application by the competent authority; and – the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not;
- All the particulars furnished by me in this form are true and correct;
- Will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;



RH OOSTHUIZEN
WADALA MINING AND CONSULTING
DATE: 19 July 2021

APPENDIX 1 CONTINUE

CURRICULUM VITAE

Roelina Henriette Oosthuizen

Cell: 084 208 9088

E-Mail: roosthuizen950@gmail.com

1. PERSONAL INFORMATION

Name: Roelina Henriette Oosthuizen

Surname: Oosthuizen (Maiden: Alberts)

Identity number: 7004180037082

Date of birth: 18 April 1970

Gender: Female Marital status:

Married (28 years) with 3 children

Driving license: Yes, Code EB

Languages: Fluent in Afrikaans and English

Nationality: South African

Criminal offences: None

Health: Excellent, fit

2. SYNOPSIS OF PROFESSIONAL CAREER

Roelina Henriette Oosthuizen has 22 years of experience in the environmental management field. She started her career in the area of Environmental Impact Assessment (EIA) evaluation in 1997. A major project during her early years as an environmental consultant was that of the EIA for a Game Reserve and Lodge development near Barkly-West. After moving to industry in 2005, (A Canadian Group of Companies), Roelien became involved in the practical aspects of environmental management. She worked closely with operations personnel in dealing with ongoing management of environmental impacts at the Mine (e.g. monitoring, auditing, operating procedures). She was also centrally involved in liaison with the authorities and with stakeholders in neighbouring areas.

During her time at the Canadian Group of Companies, Roelien was the environmental manager overseeing operations in the Barkly-West, Prieska and Douglas areas. She was responsible for preparing the environmental compliance documents for each operation which included Performance Assessments and Financial Quantum submissions as well as new applications for Prospecting Rights and Mining Rights with the relevant Scoping, EIA / EMP documents. Her activities included liaison with stakeholders and also with the relevant Departments. During this time, Roelien became increasingly involved in environmental policy and strategy work, as well as the environmental aspects of corporate governance.

She has assisted a range of clients with Environmental Due Diligence audits and compliance audits. Roelien has also undertaken numerous environmental audits, particularly compliance and due diligence audits for clients in the mining industry. Thus, she is familiar with best practice standards in environmental auditing.

Roelien have also represented the South African Diamond Producers Organisation (SADPO) on the Environmental Policy Committee (EPC) at the Chamber of Mines between 2005 and 2011.

In a nutshell, Roelien has wide ranging experience and is thus well-positioned to assist clients in any matter related to sustainability and environmental management. This is achieved through her own skills base and on drawing on specialists.

3. QUALIFICATIONS

MEM (Master in Environmental Management) University of the Orange Free State
B – Comm NWU

4. TRAINING COURSES

Roelien have attended various mining and environmental conferences and seminars to stay abreast with the latest changes in legislation, legal compliance and policy positions in the sector.

October 1997	Mineral Laws Administration & Environmental Management (University of Pretoria)
July 2002	Project Management for Environmental Systems (University of the Orange Free State)
August 2004	Environmental and Sustainability in Mining Minerals and Energy Education and Training Institute (MEETI)
September 2005	Converting Old Order Rights to New Order Rights in Mining International Quality & Productivity Centre Johannesburg)
November 2006	Mine waste disposal and Achievement of Mine Closure
February 2007	Introduction to ArcGis 1
April 2010	Mining Law Update Conference (IIR BV South Africa)
November 2010	Social Labour Plans for Mining Workshop (Melrose Training)
August 2011	Mineral Resources Compliance and Reporting (ITC)
May 2012	Enviro Mining Conference 2012 (Sustainability and Rehabilitation) (Spectacular Training Conferences)
August 2012	Mineral Resources Compliance and Reporting 4th Annual (ITC)
March 2013	1st EnviroMining-Ensuring Environmental Compliance and Reporting
March 2014	4th Annual EnviroMining Conference
March 2015	5th Annual EnviroMining Conference
February 2018	Seminar by the Department of Environmental Affairs on knowledge sharing workshops on the Screening Tool
August 2020	SAHRA Workshop for EAP's and Heritage Practitioners
October 2020	IAIAsa Symposium

5. PROFESSIONAL REGISTRATION

Registered EAPASA Environmental Assessment Practitioner: Number 2019/1467

Registered as a professional at IAIAAsa (International Association for Impact Assessment South Africa).

6. PROFESSIONAL EXPERIENCE

Projects are listed below by area of expertise.

Environmental Management Systems (EMS) and Environmental Auditing

Development of EMS and Compilation of incident report and investigation form for the EMS of the Canadian group of Companies on various sites.

Undertaking of a range of due diligence and performance audits for operations, including those listed below:

Performance Assessment reports for a mining company with various infrastructure and mining operations near Barkly-Wes and Windsorton.

Performance Assessment reports for a mining company near Douglas

Preparation of an environmental auditing checklist / protocol for a Community project with restitution ground in assisting the community to determine environmental legal compliance at their operations.

Environmental audit as part of a closure with another specialist. This Annual Rehabilitation Plan has been developed to match the various requirements set out in the National Environmental Management Act (No 107 of 1998) (NEMA) Regulations pertaining to the financial provision for prospecting, exploration, mining or production operations (as amended in 2015). This project had the objective of ensuring that this company are accounting for environmental liabilities and risks adequately. The plan distinguishes between (a) those environmental rehabilitation liabilities pertaining to drilling, for which the Company was legally responsible and (b) those environmental rehabilitation liabilities pertaining to historic mining activities, for which the Company is not legally responsible, but consider performing as part of their best practice environmental principals. Three costing scenarios were explored in order to evaluate the most feasible rehabilitation plan, i.e. (1) Total cost (worst-case scenario) including risks, (2) legally required cost and (3) features currently available that do not involve any risks.

Sustainability projects: policies, guidelines, strategies and performance reporting

Involved in the compilation of 43-101 technical documents for listed companies which included information on sustainability and performance in rehabilitation and sustainable mining.

Alien species eradication project guideline and strategy near Barkly-Wes in terms of Regulations that have been promulgated in terms of the Conservation of Agricultural Resources Act, No. 43 of 1983 further make it unlawful to allow various species of weeds and invader plants to grow. The target species was Wild tobacco (declared weed), Pink Tamarisk (declared weed) and Mexican poppy, it also involved the community for job creation and training (2008).

Investigations for a Company near Prieska on Development of a biodiversity offsets policy for the applications for forestry tree licences for protected tree species.

Strategic Environmental Studies and Environmental Impact Assessment (EIA)

Undertaking of a Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2006 for a Private Individual which involved the proposed extension of a roof over an existing deck with two wood pillars by means of the excavating of 0.5m X 0.5m X 1m X 2 (½m²) of soil within 100m of the high water mark of the sea. A Positive Record of Decision (ROD) Granted (2010).

Undertaking of an environmental impact assessment & environmental management programme submitted for an application for a mining right in terms of section 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) near Boshof for a Diamond Mining Company (2015)

Undertaking of a strategic environmental review and amendment for a Chinese group of Companies near Postmasburg. The study provided baseline environmental information and a high-level review of the potential impacts of various components of the development (2014 – 2016).

Environmental Impact Assessments for various developments including the proposed mining project for the former retrenchees of De Beers in Kimberley. This project involved coordination of the process, liaison with the authorities and compilation as well as appointment of specialist with contributions of specialist reports to compile the EIA EMP report.

7. CAREER PATH

01 April 1997 to 01 March 2005

DEPT OF MINERALS & ENERGY

Senior Environmentalist - Assistant Director Environment

MAIN JOB FUNCTIONS

- Collect analyse and interpret information regarding the measurement of impacts of mining operations on the environment, the rehabilitation of land surfaces.
- The prevention, control and combating of pollution.
- Co-ordinate and prioritise the rehabilitation of derelict and ownerless mines.
- Co-ordinate, investigate, audit and resolve environmental problems in conjunction with the Department of Water Affairs and Forestry, Department of Agriculture and the provincial Department of Tourism, Environment and Conservation.
- Address complaints and inquiries received from the public and mining industry.
- Consult with relevant authorities and interested and affected people regarding the approval of Environmental Management Programmes.
- Ensuring that rehabilitation standards are applied.

- Ensuring that the requirements stated in Environmental Management Programme Reports are adhered to.
- Conduct inspections and recommendations on mines that apply for closure.
- Evaluate mining licences and prospecting applications and recommend site-specific conditions according to legislative requirements.
- Constant liaison with the public, the mining industry and other government authorities on environmental matters, legislation and agreements.
- Influence new development processes through participation in the EMPR and EIA processes and give guidance through education and awareness programmes.
- Calculate and verify financial provision for outstanding rehabilitation.

01 March 2005 – 30 September 2012

Appointed as professional Mineral Law Administration and Environmental Manager for a **Canadian group of Companies.**

MAIN JOB FUNCTIONS

Conducting of Environmental Impact Assessments (EIAs), including the implementation of public participation programmes, for a variety of projects.

Undertaking of environmental reviews, audits and management plans:

Formulation of an environmental policy and guidelines for the Group.

Participation in the development of the budget for environmental expenditure.

Co-ordination of technical studies (e.g. monitoring of groundwater quality).

Environmental compliance measurement and reporting with respect to environmental permit conditions (e.g. Forestry Licences and water sampling for Water Use Licences).

Development of environmental guidelines for contractors on sites.

Liaison with regulatory authorities on compliance with environmental legislation.

Documentation of environmental incidents.

Environmental awareness and training.

Development of a public participation strategy.

Formulation of a complaint's procedure.

01 October 2012 to Present

Appointed as professional Mineral Law Administration and Environmental Manager for **Mentor Trade and Investments Pty Ltd**

MAIN JOB FUNCTIONS

Conducting of Environmental Impact Assessments (EIAs), including the implementation of public participation programmes, for a variety of projects.

Undertaking of environmental reviews, audits and management plans.

Formulation of an environmental policy and guidelines for the Mine.

Co-ordination of technical studies (e.g. monitoring of groundwater quality) as well as updating of the Mine's IWWMP.

Environmental compliance measurement and reporting with respect to environmental permit conditions (e.g. as water sampling and effluent).

Development of environmental guidelines for contractors.

Liaison with regulatory authorities on compliance with environmental legislation.

Documentation of environmental incidents.

Environmental awareness and training.
Development of a public participation strategy.
Formulation of a complaints procedure.

01 October 2012 to Present part time

Appointed as EAP on some projects

Wadala Mining and Consulting Pty Ltd

Conducting of Environmental Impact Assessments (EIAs), including the implementation of public participation programmes, for a variety of projects.

Undertaking of environmental reviews, audits and management plans.

Liaison with regulatory authorities on compliance with environmental legislation.

Environmental awareness and training.

APPENDIX 2 LOCALITY MAP OF APPLICATION AREA

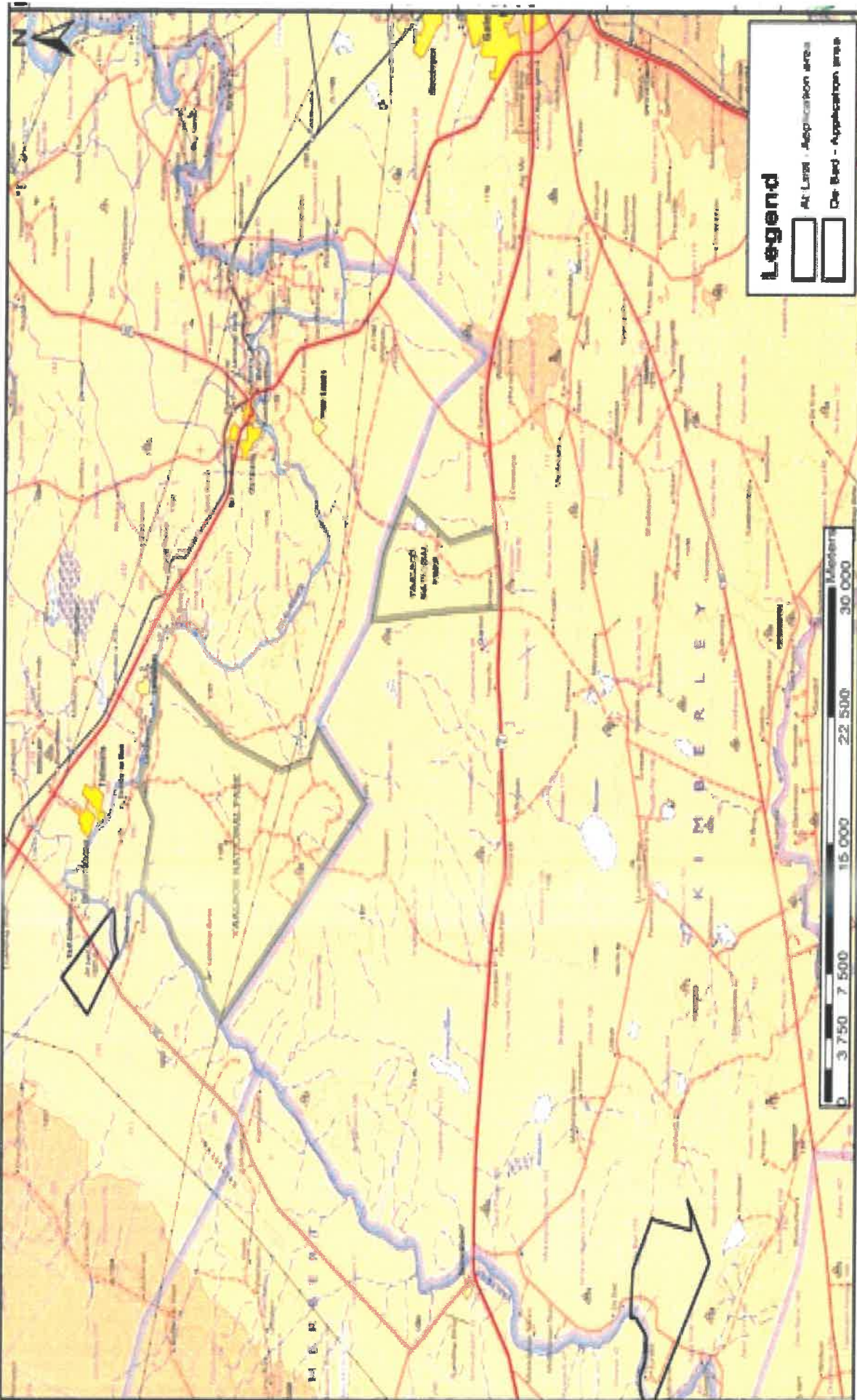


Figure 1. MAP – indication location of mining site in black on 1:250 000 topographical map

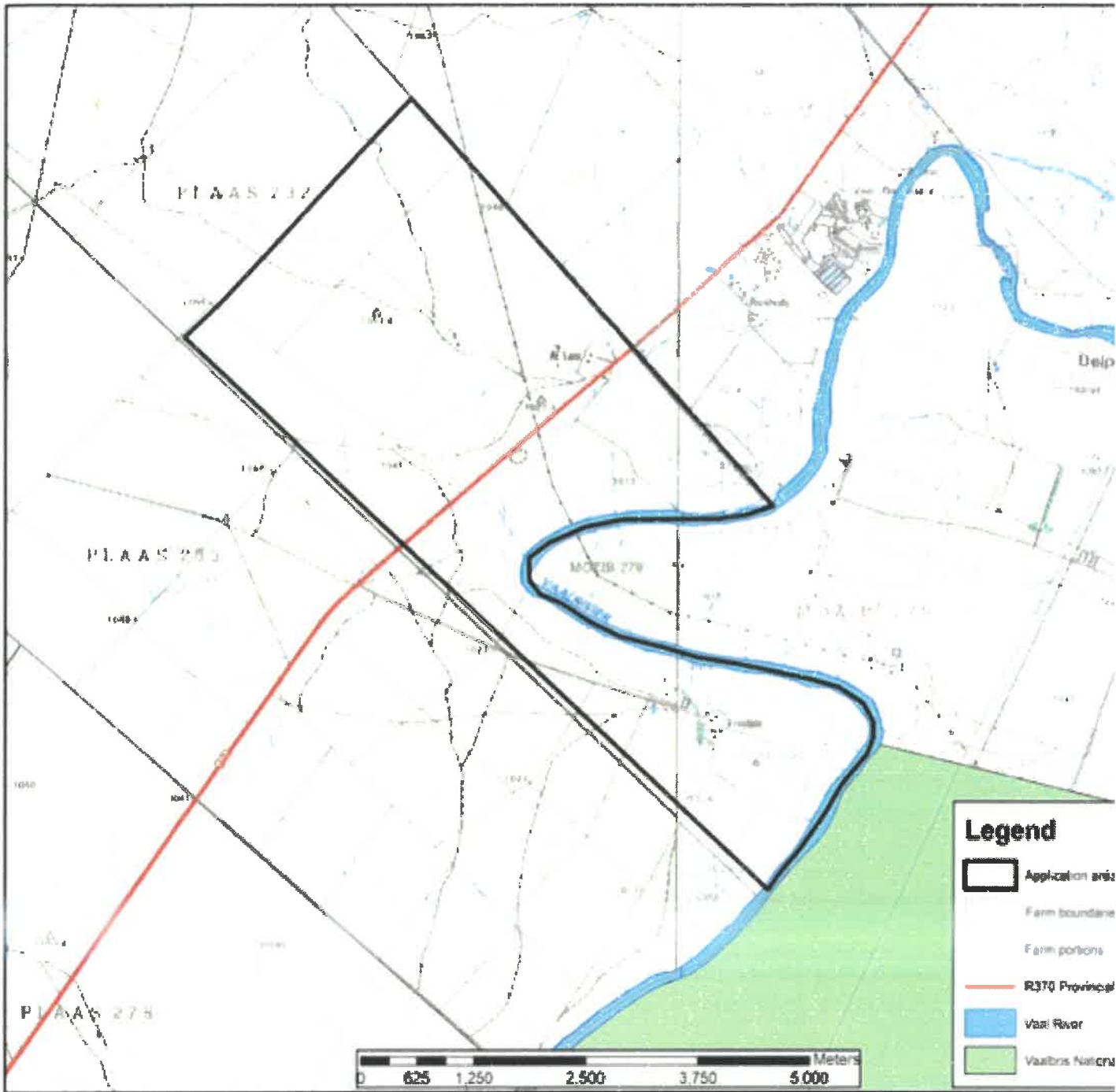


Figure 2. MAP – indication location of mining site in black on 1: 50 000

APPENDIX 3 ENVIRONMENTAL AUTHORIZATION FOR SAME PROPERTY

APPENDIX 4 SITE PLAN LOCATION OF ALL ACTIVITIES TO BE APPLIED FOR

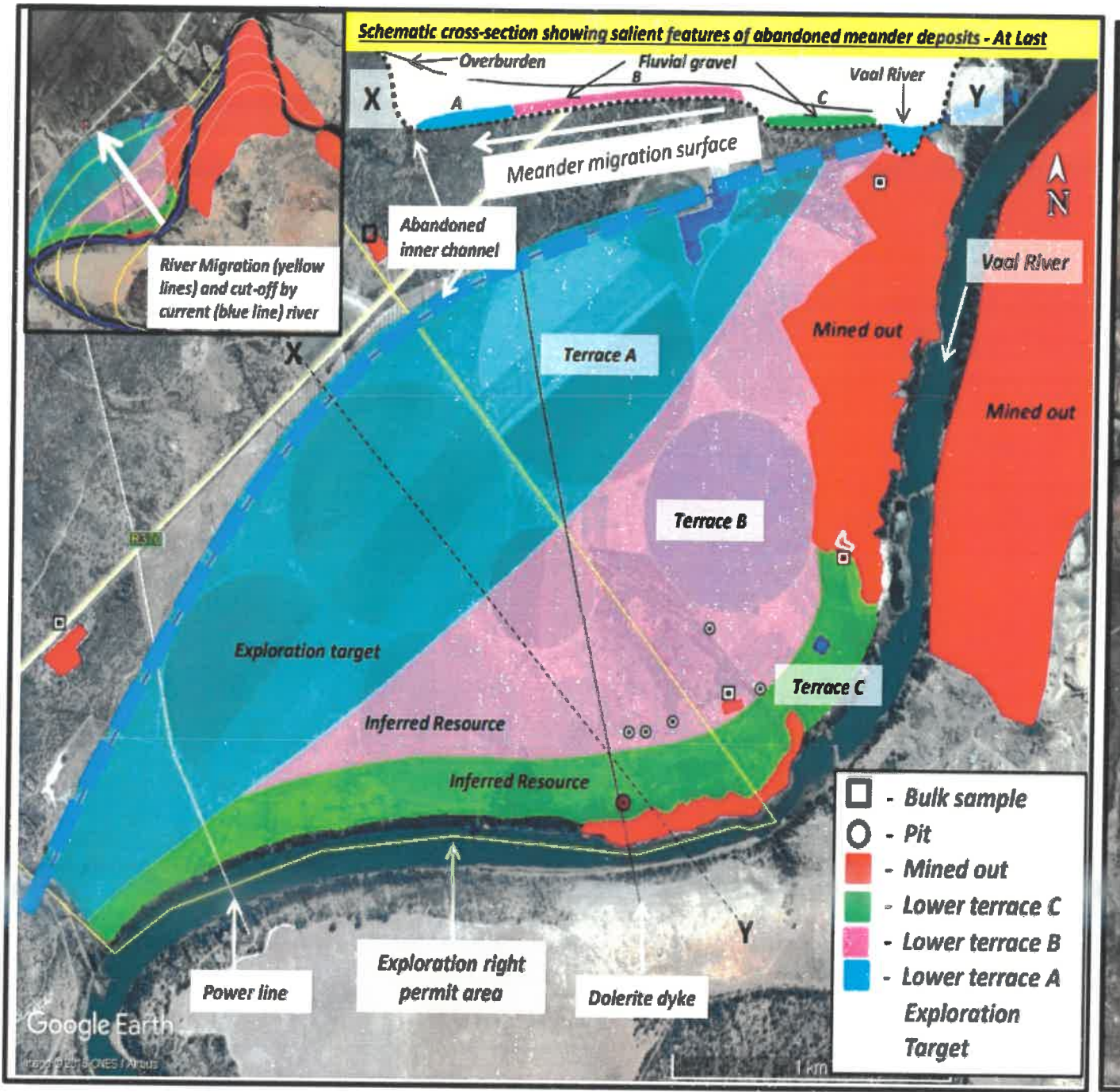


Figure 3. SITE PLAN LOCATION OF TARGET MINING AREA ON AT LAST AND DE BAD TAKEN OUT OF THE GEOL

2

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

EIA Reference number: NC MR

Project name: DE BAD AT LAST

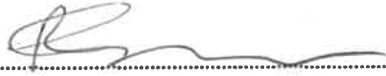
Project title: MINING RIGHT

Date screening report generated: 25/05/2021 11:41:23

Applicant: RENAISSANCE

Compiler: ROELINA OOSTHUIZEN

Compiler signature:



.....

Application Category: Mining | Mining Right

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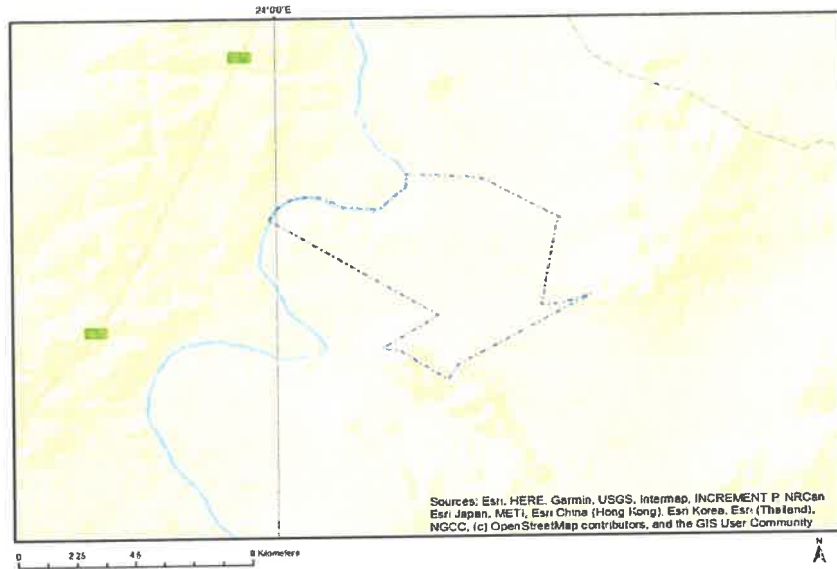
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Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	4
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Proposed 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	DE BAD	155	0	28°50'2.14S	24°4'24.74E	Farm
2	EUREKA	222	0	28°51'34.22S	24°3'23.25E	Farm
3	DE BAD	155	3	28°49'46.37S	24°0'50.31E	Farm Portion
4	DE BAD	155	6	28°50'11.13S	24°3'59.55E	Farm Portion
5	EUREKA	222	0	28°51'35.4S	24°3'26.89E	Farm Portion
6	DE BAD	155	2	28°50'21.59S	24°1'25.78E	Farm Portion
7	DE BAD	155	5	28°50'9.84S	24°0'36.94E	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	12/12/20/2622	Solar PV	Approved	0

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

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

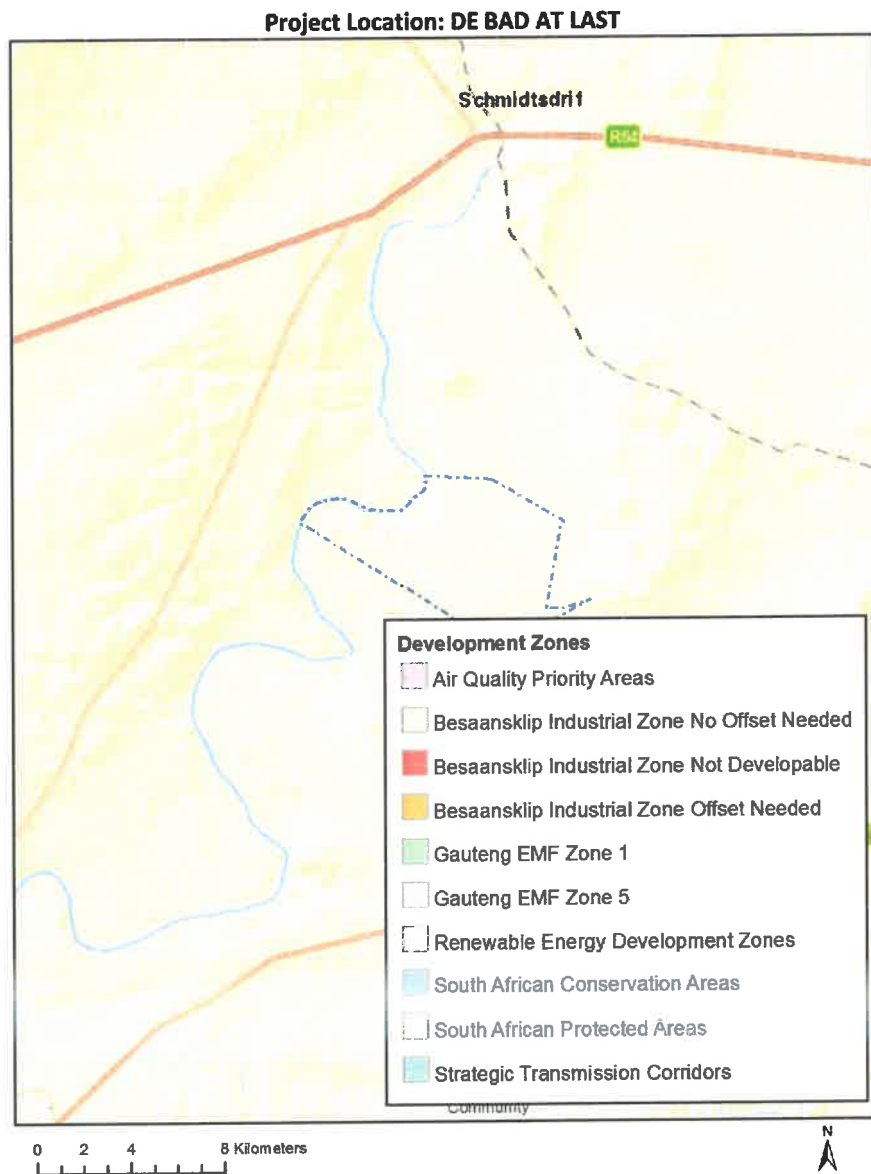
The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification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

Relevant development incentives, restrictions, exclusions or prohibitions

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

No intersection with any development zones found.

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



Proposed Development Area Environmental Sensitivity

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

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

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

Specialist assessments identified

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

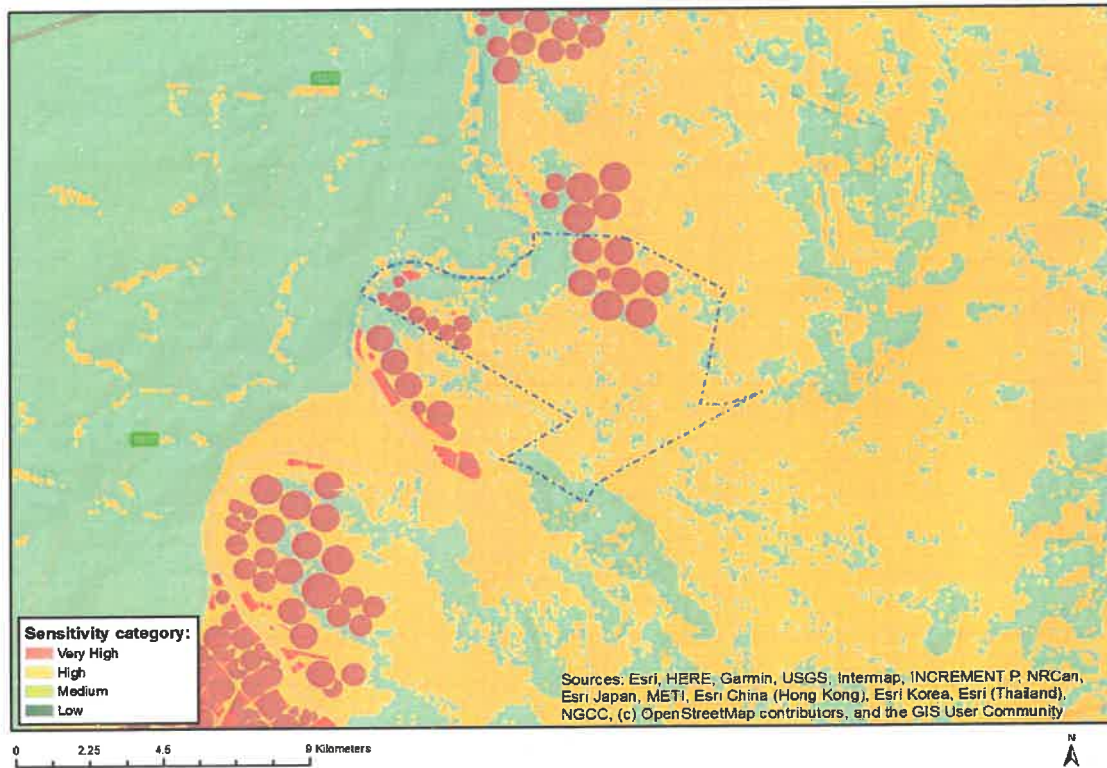
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted 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	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

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

Results of the environmental sensitivity of the proposed area.

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

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

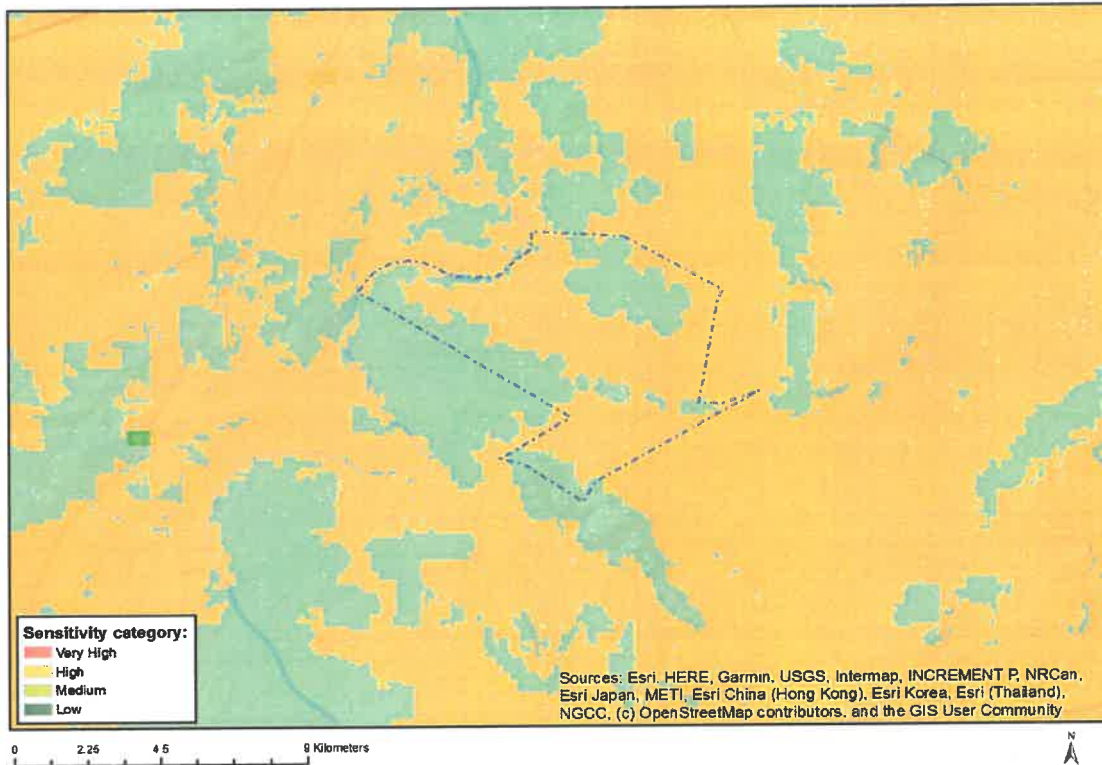


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Annual Crop Cultivation / Planted Pastures Rotation; Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate
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
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	Pivot Irrigation; Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate
Very High	Pivot Irrigation; Land capability; 01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



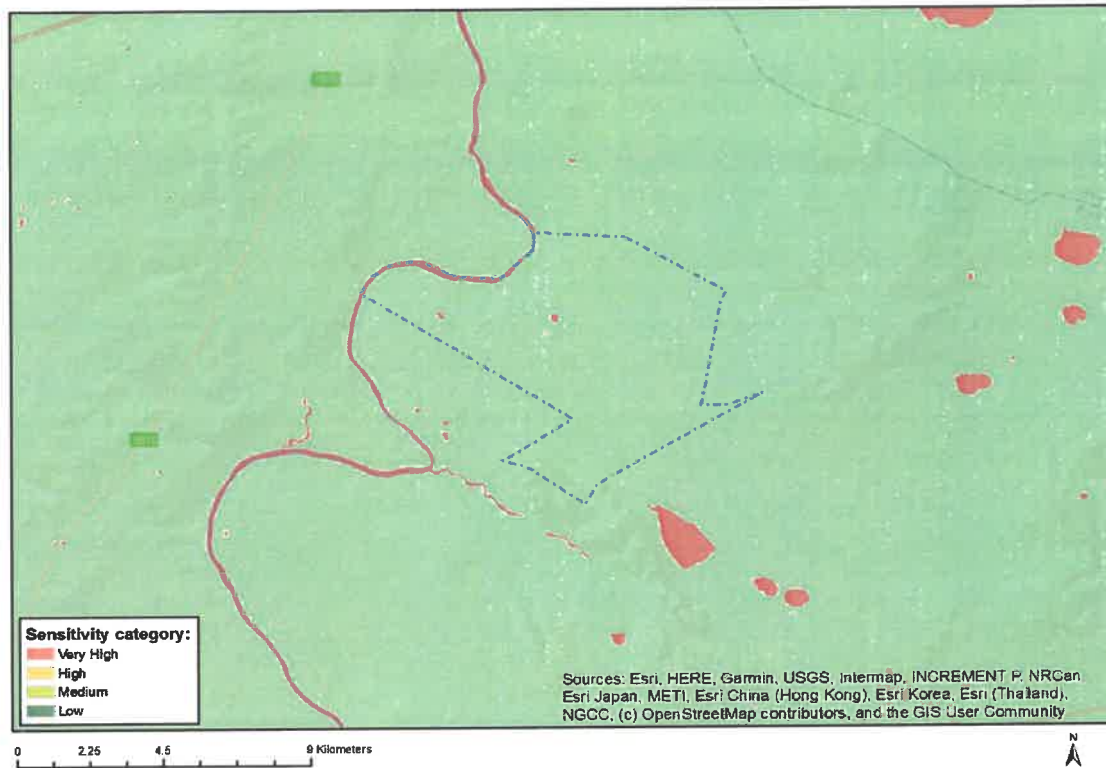
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
Low	Low sensitivity
Medium	Aves-Neotis ludwigii

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

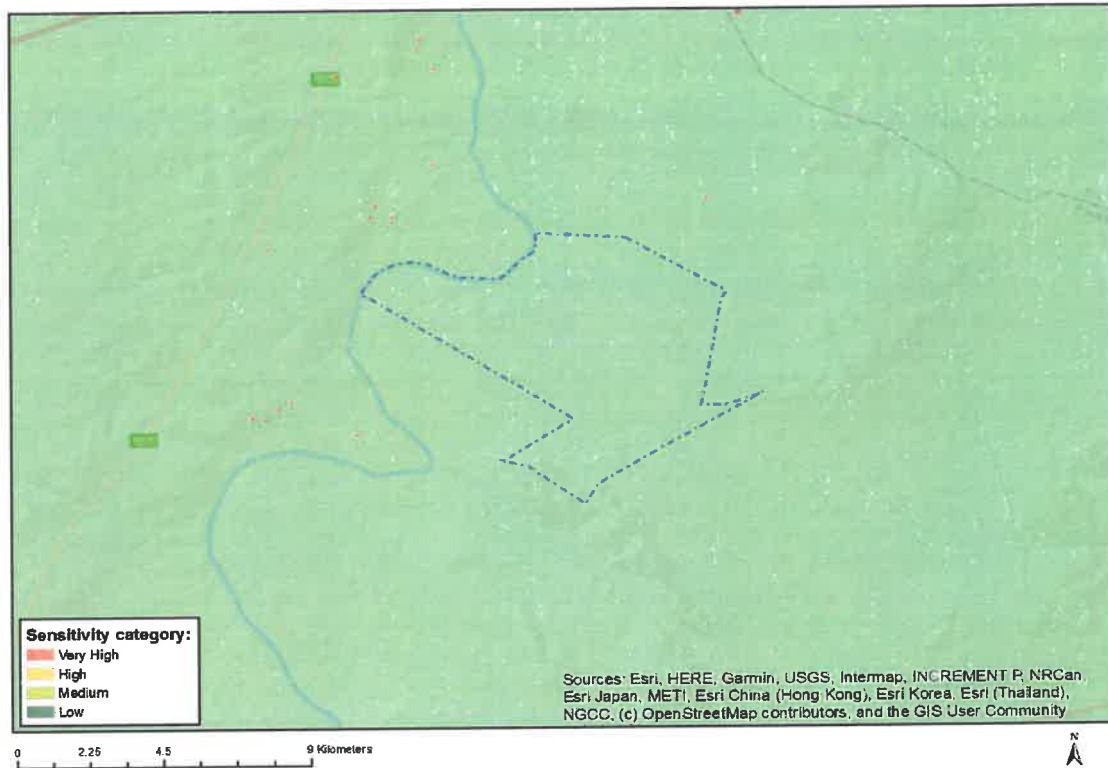


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

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

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

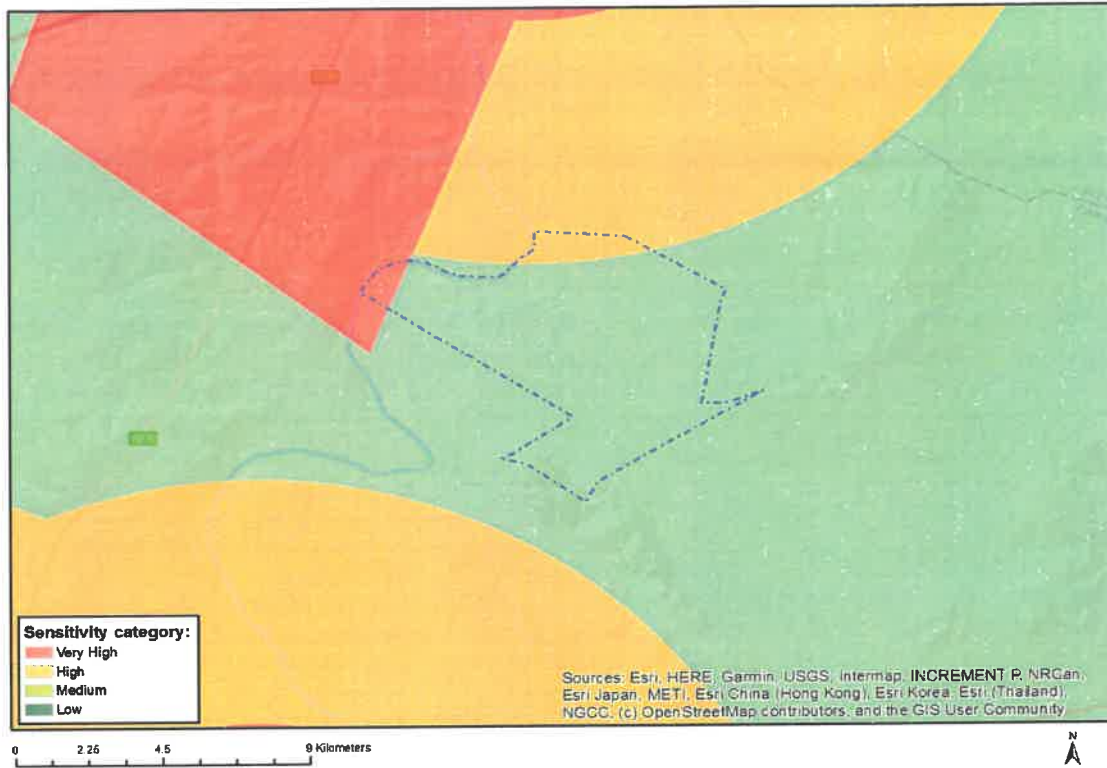


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

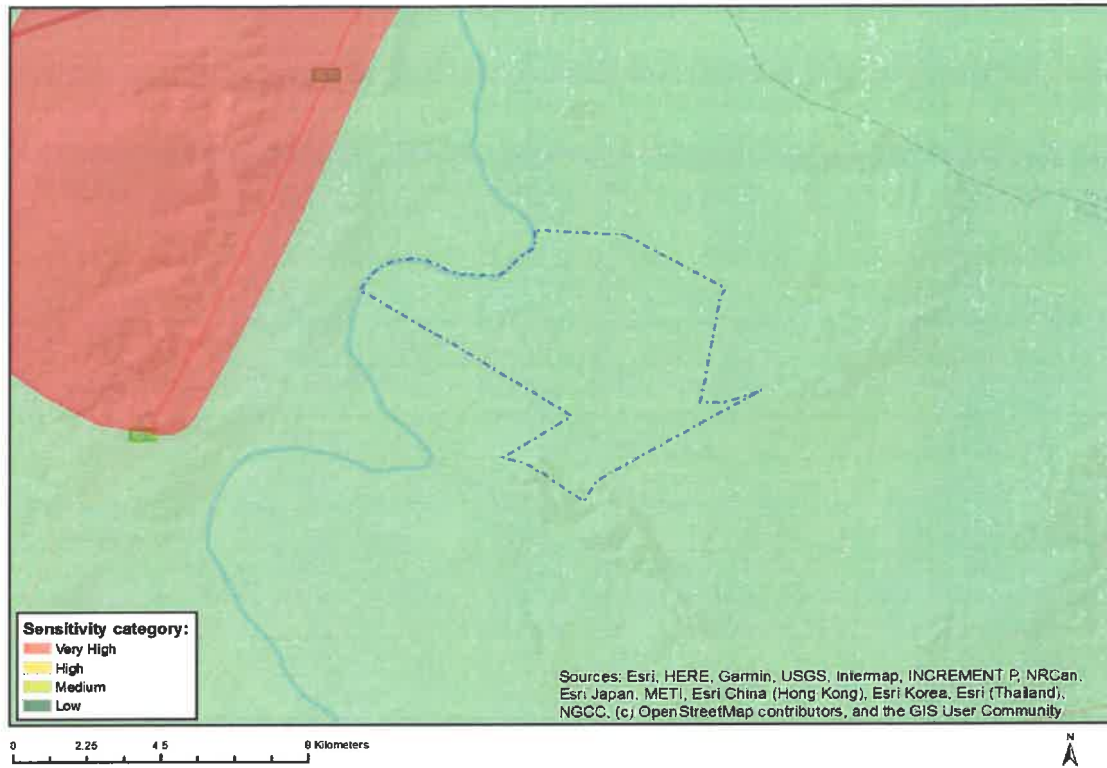


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Dangerous and restricted airspace as demarcated
Low	Low sensitivity
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

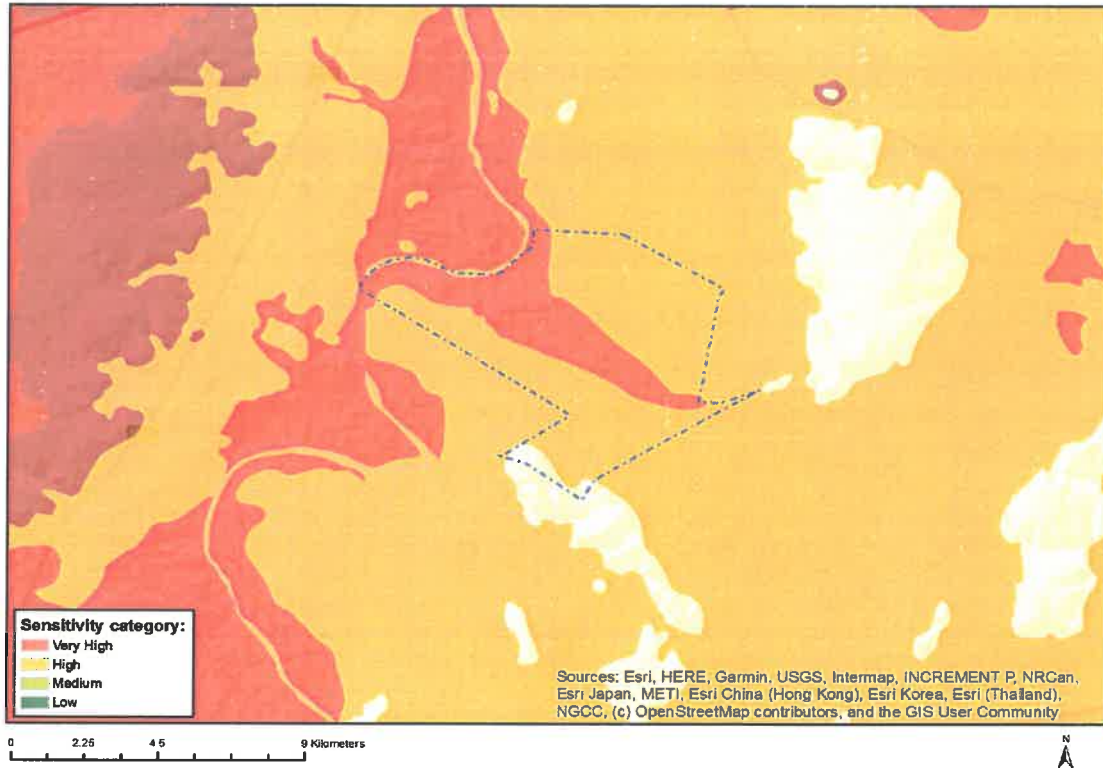


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

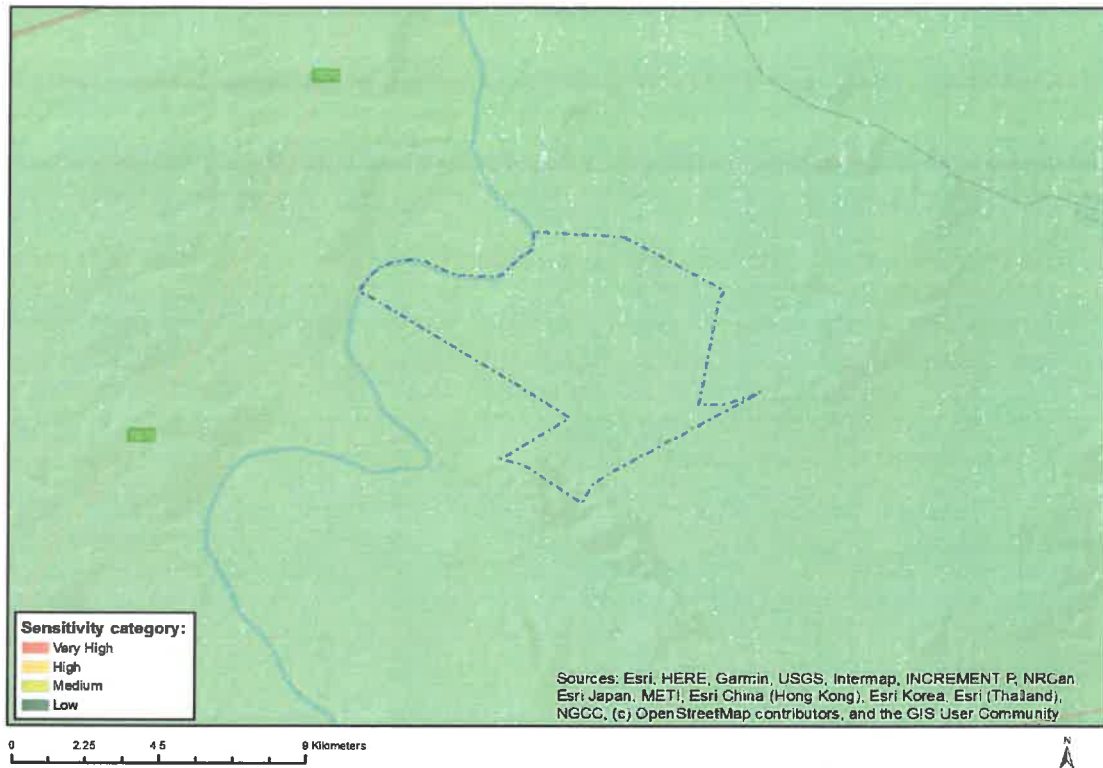


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



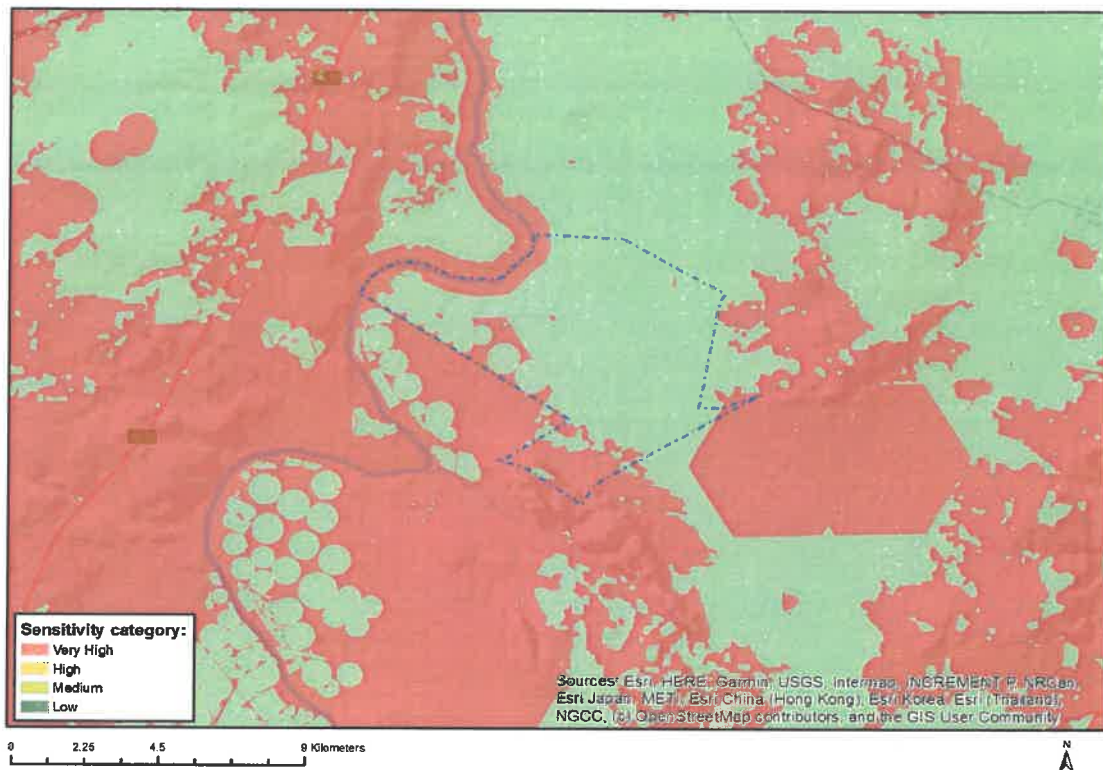
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their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

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	Critical Biodiversity Area 2
Very High	Ecological Support Area

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

EIA Reference number: NC MR

Project name: At Last

Project title: Mining Right

Date screening report generated: 09/03/2021 14:10:15

Applicant: Renoissance Resources (Pty) Ltd

Compiler: Maryna Kok

Compiler signature:



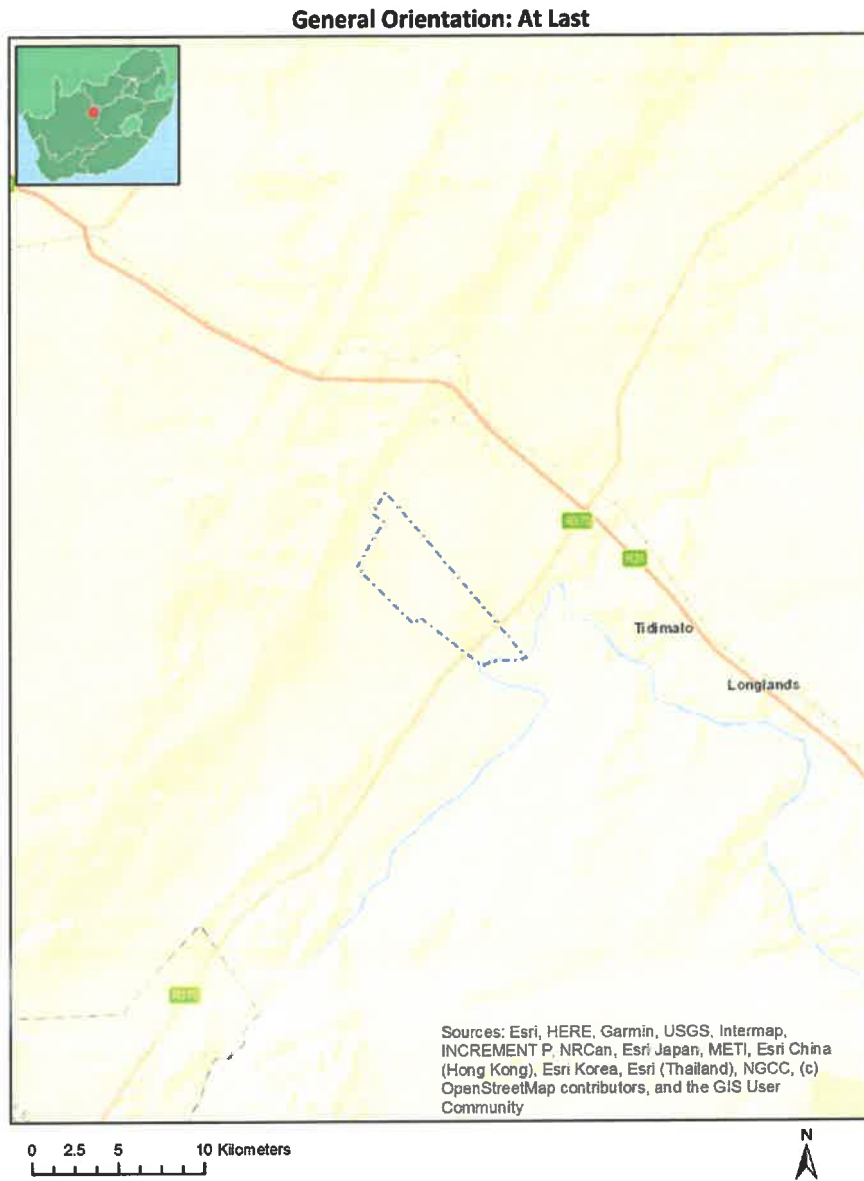
Application Category: Mining | Mining Right

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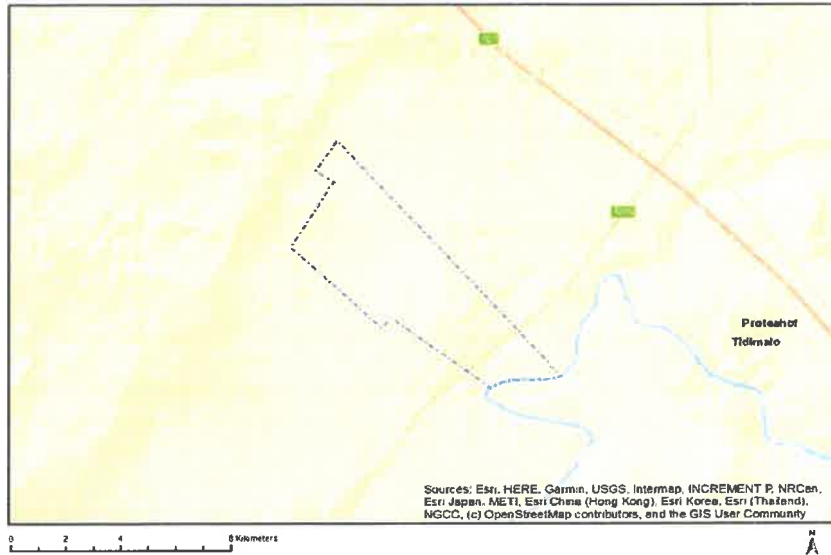
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1		232	0	28°24'34.45S	24°12'42.85E	Farm
2		232	3	28°24'31.45S	24°11'28.66E	Farm Portion
3		232	2	28°24'6.44S	24°12'31.99E	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	12/12/20/2622	Solar PV	Approved	21.8
2	12/12/20/2575	Solar PV	Approved	0
3	12/12/20/2575/A	Solar PV	Approved	0
4	14/12/16/3/3/2/269	Solar PV	Approved	10
5	14/12/16/3/3/1/466	Solar PV	Approved	10

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

Environmental 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:

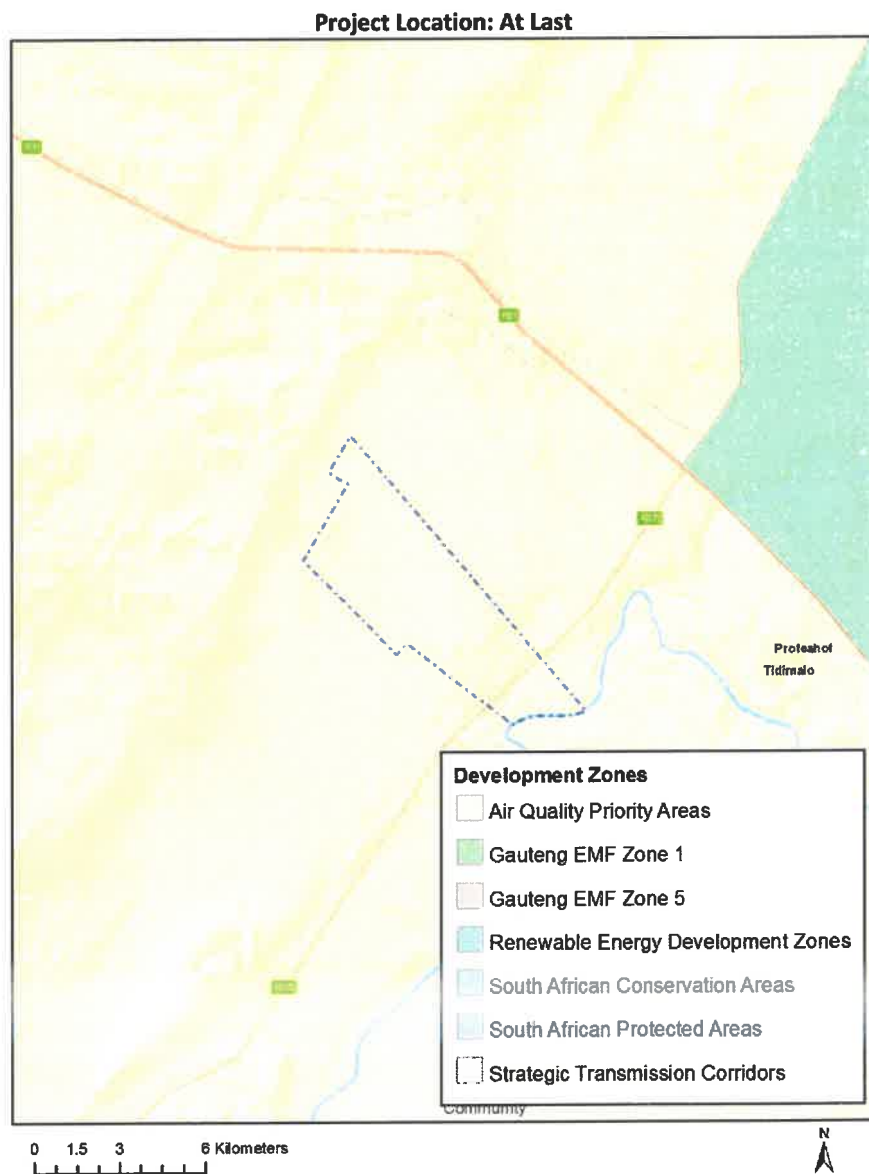
Mining | Mining Right.

Relevant development incentives, restrictions, exclusions or prohibitions

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

No intersection with any development zones found.

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



Proposed Development Area Environmental Sensitivity

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

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

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

Specialist assessments identified

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

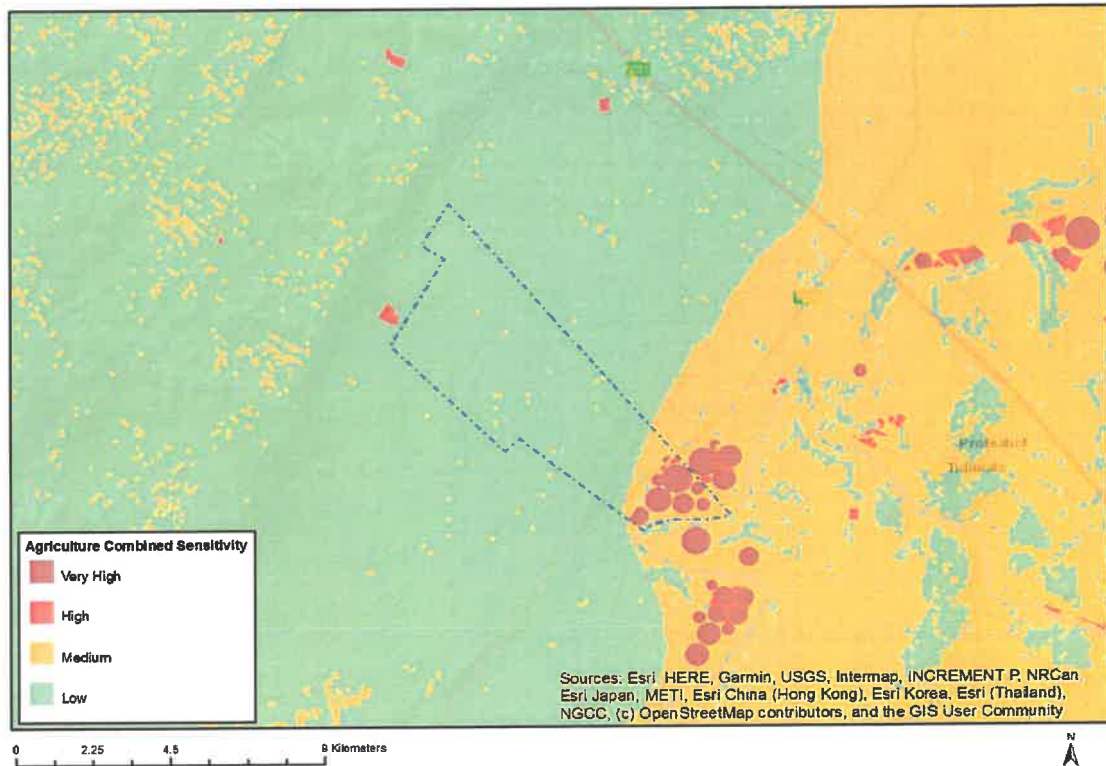
N o	Special ist assess ment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
4	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

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

Results of the environmental sensitivity of the proposed area.

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

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

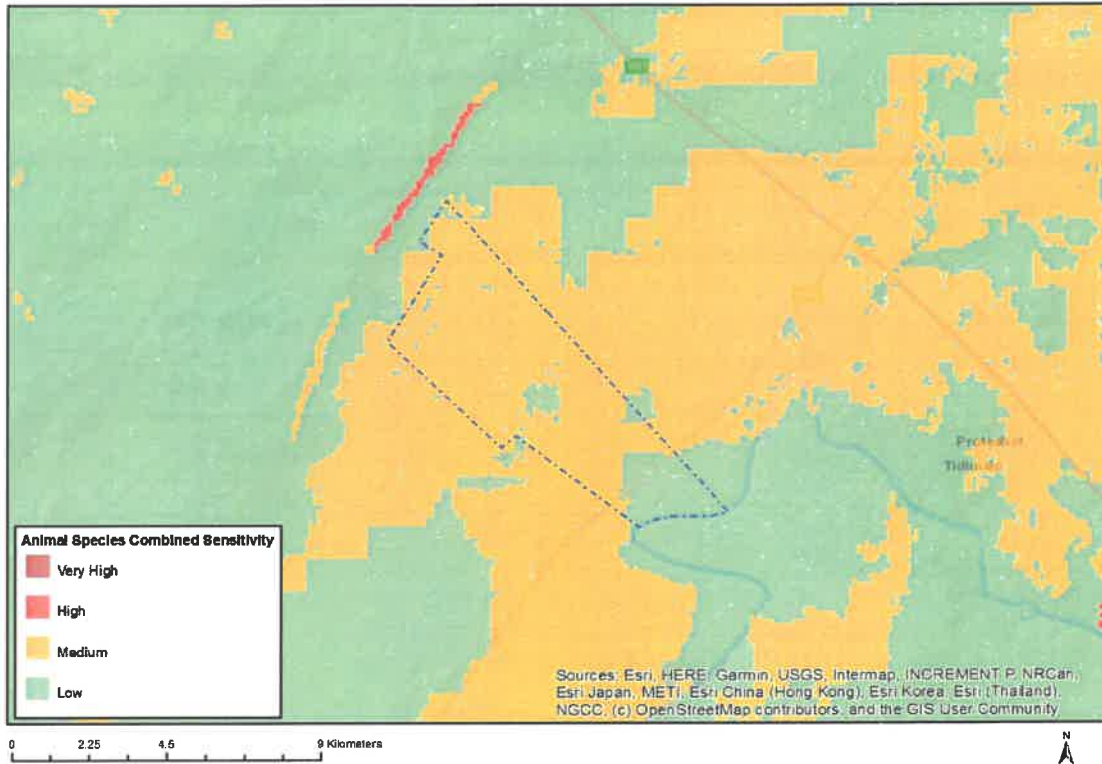


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Annual Crop Cultivation / Planted Pastures Rotation; Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate
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	Pivot Irrigation; Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate
Very High	Pivot Irrigation; Land capability; 01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



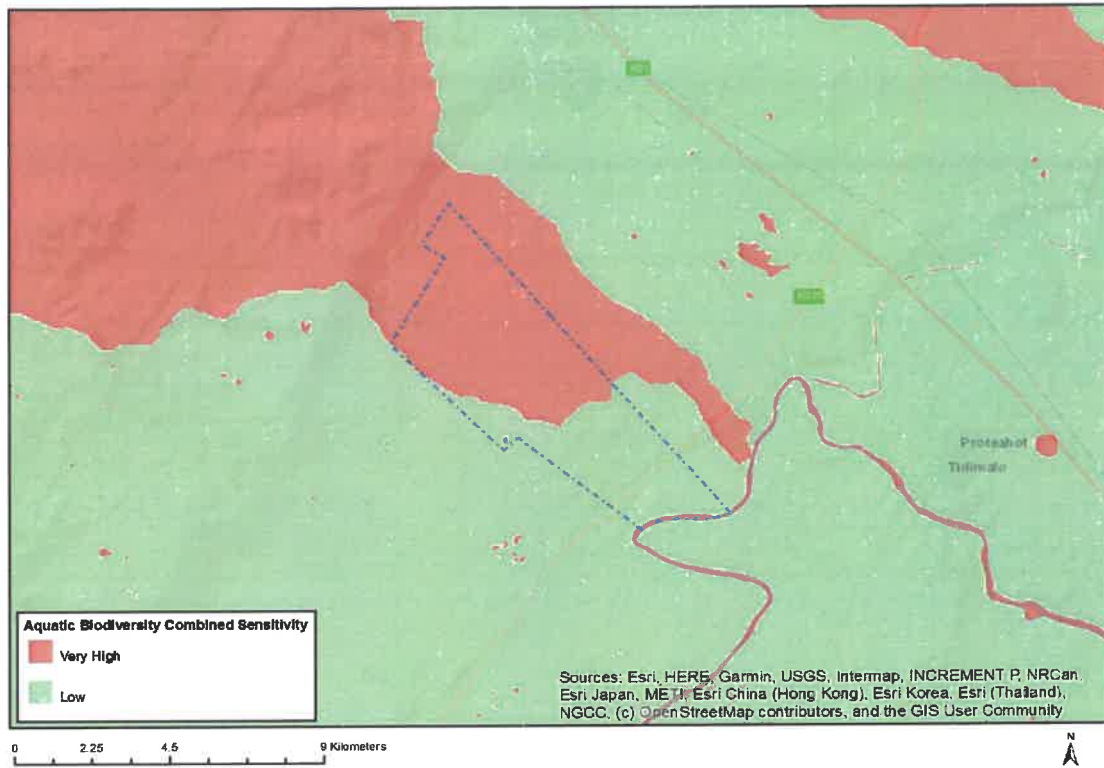
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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Medium	Aves-Neotis ludwigii
Medium	Aves-Sagittarius serpentarius

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

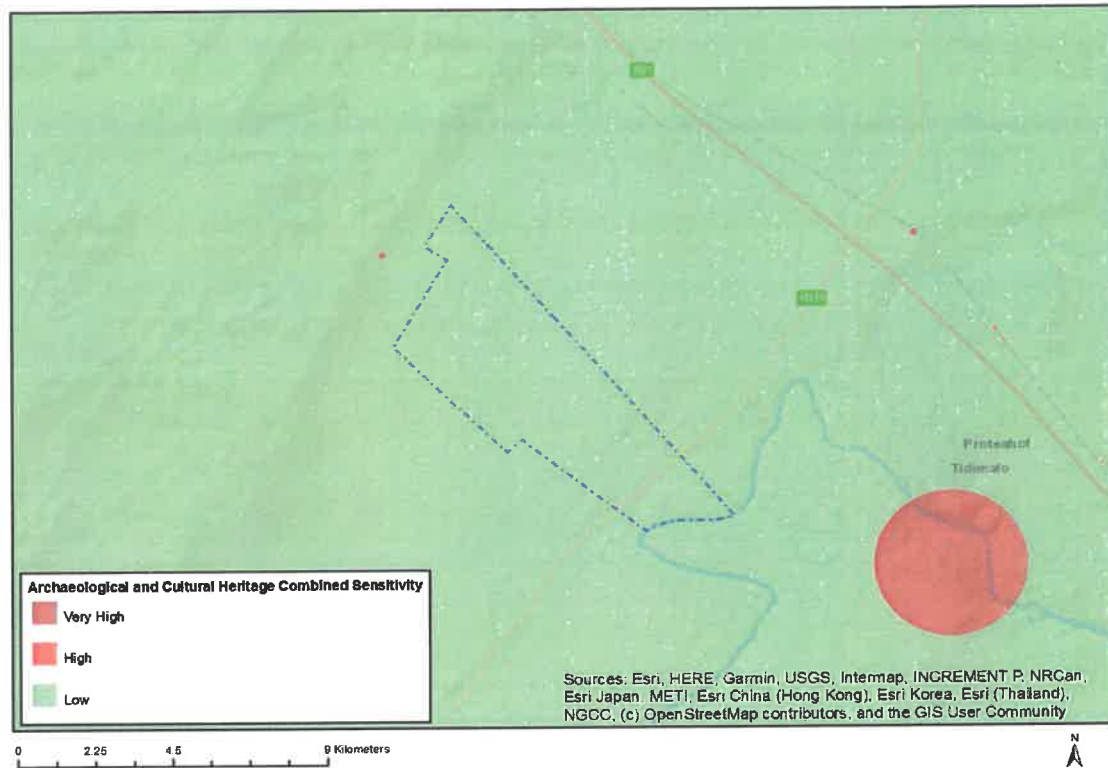


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

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

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

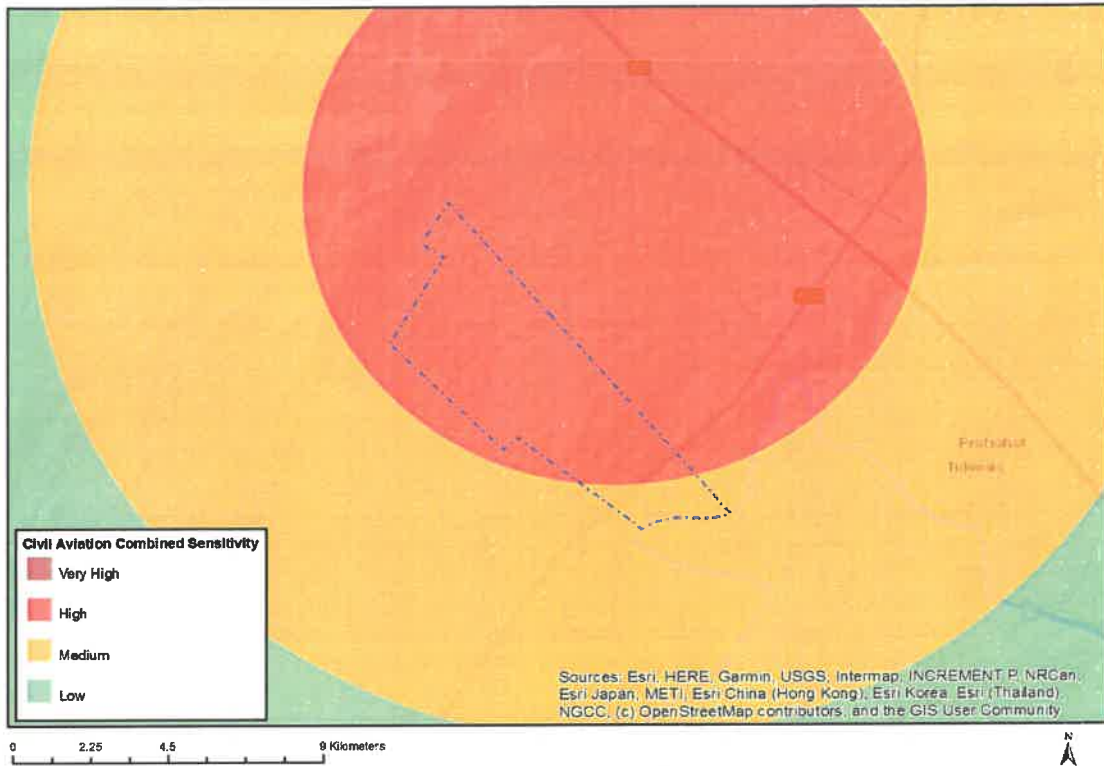


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

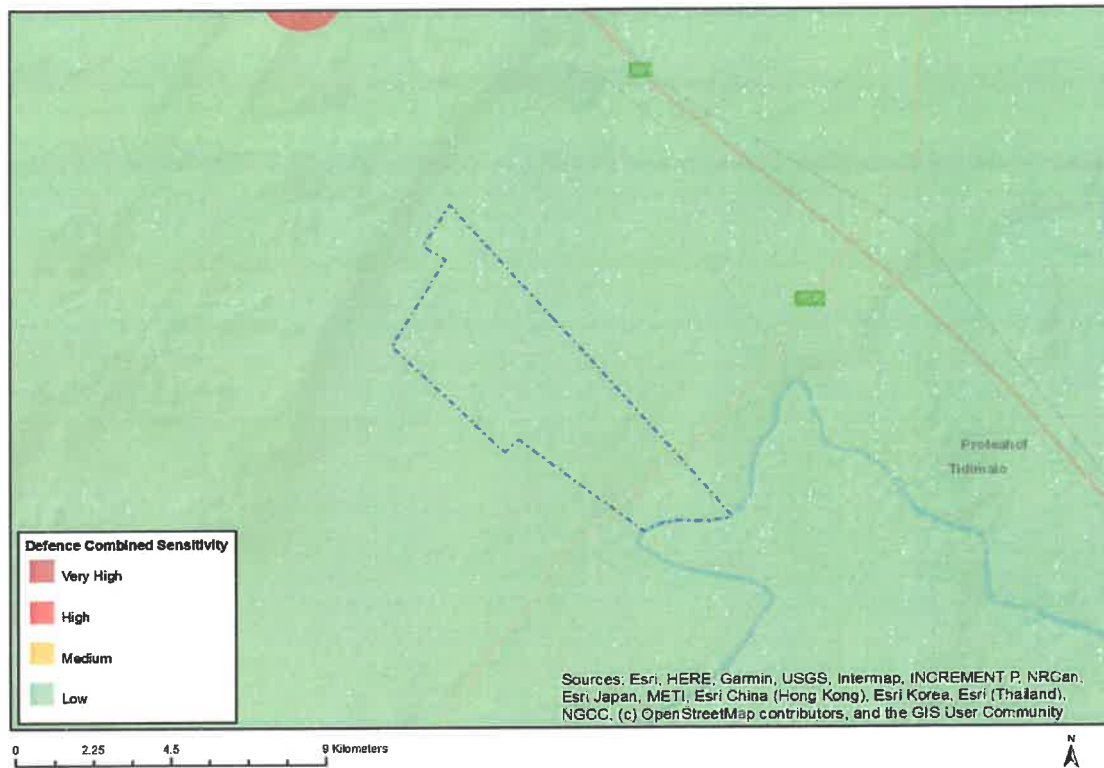


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

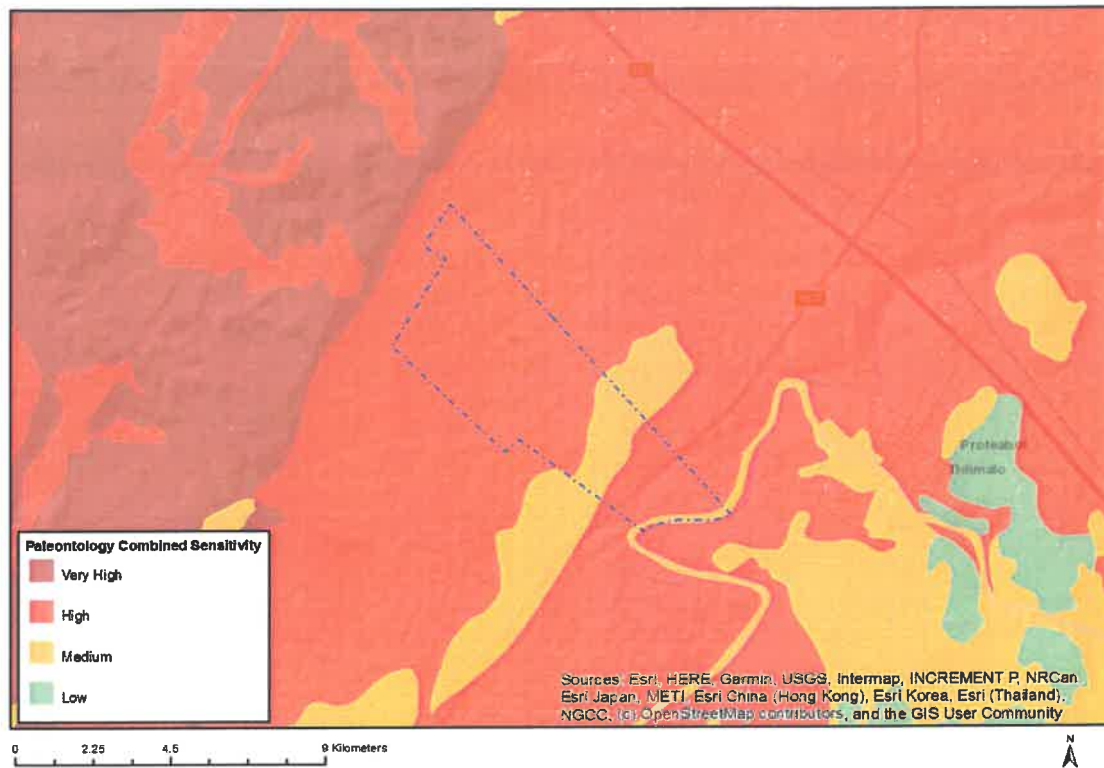


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

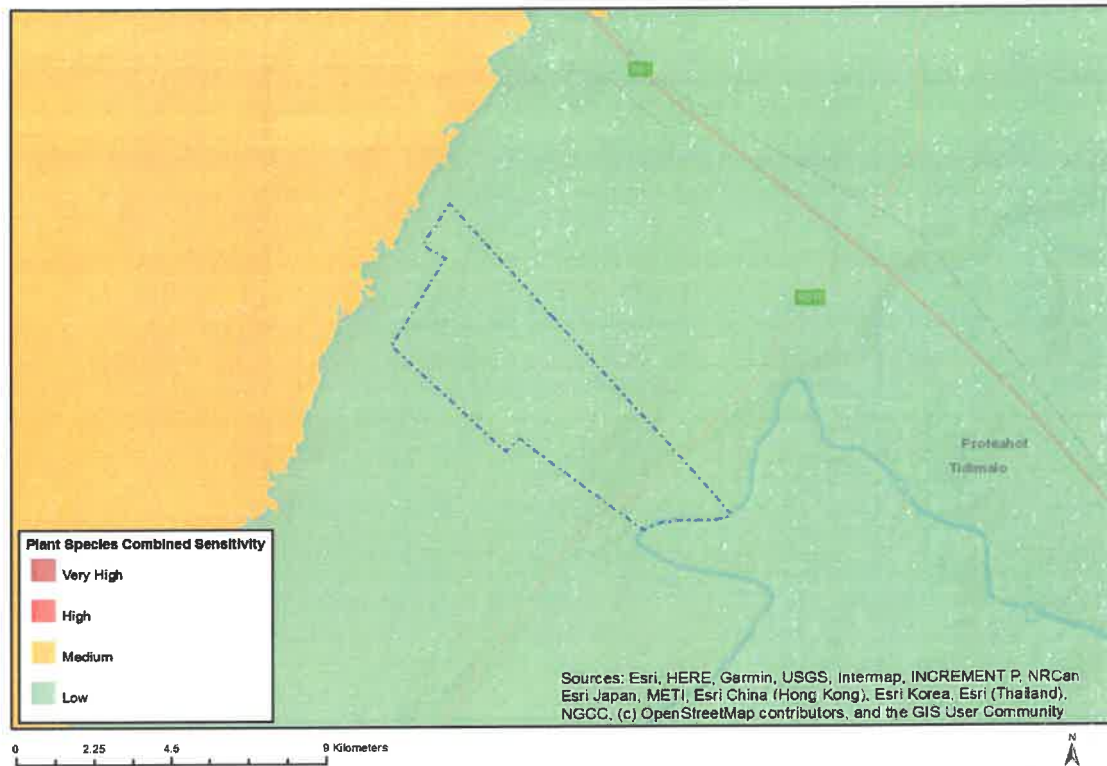


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



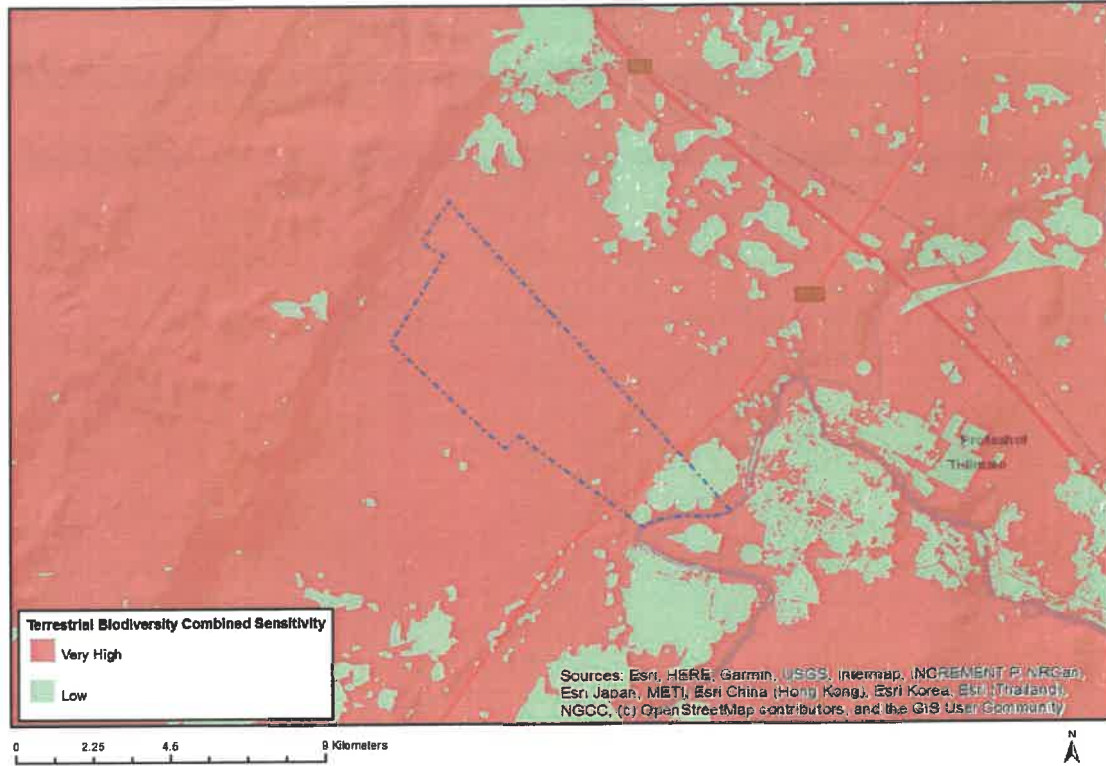
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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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)
Low	Low Sensitivity
Very High	Critical Biodiversity Area 1
Very High	Critical Biodiversity Area 2
Very High	Ecological Support Area
Very High	Freshwater ecosystem priority area quinary catchments