

APPENDIX C

DMR APPLICATION FORM



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

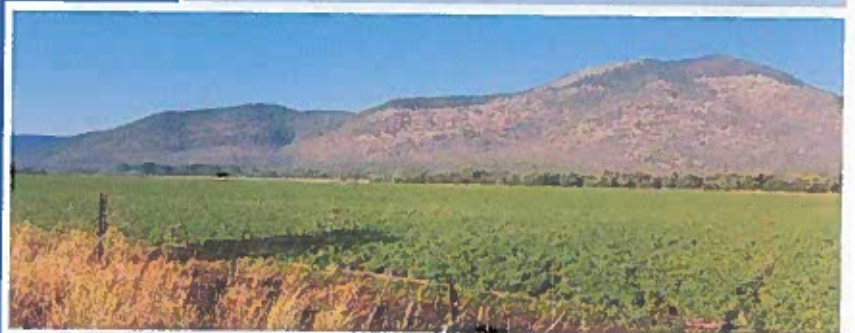
REPORT NO:
P RSA 000/A00/22318/1

PROPOSED MOKOLO AND CROCODILE RIVER (WEST) WATER AUGMENTATION PROJECT (PHASE 2A) (MCWAP-2A): BORROW PITS

APPLICATION FOR ENVIRONMENTAL AUTHORISATION

DRAFT

March 2018
ORIGINAL





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 nor licences 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 provided 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	N/A
NEMA BAR application on its own	R 2 000.00	
NEMWA S&EIR application on its own	R10 000.00	
NEMWA BAR application on its own	R 2 000.00	
NEMA S&EIR application combined with NEMWA S&EIR application	R 15 000.00	
NEMA BAR application combined with NEMWA BAR application	R 3 000.00	
NEMA S&EIR application combined with NEMWA BAR application	R 11 000.00	

1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT

2. DETAILS OF THE APPLICANT

Project applicant:	The Department of Water and Sanitation		
Registration no (if any):			
Trading name (if any):			
Responsible Person, (e.g. Director, CEO, etc.):	Chief Engineer: Options Analysis		
Contact person:	Ronald Gillmer		
Physical address:	185 Francis Baard Street, Sedibeng Building, Pretoria		
Postal address:	Private Bag X313, PRETORIA		
Postal code:	0001	Cell:	083 791 0833
Telephone:	012 336 6933	Fax:	012 336 7399
E-mail:	GillmerR@dws.gov.za		

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Donavan Henning		
Professional affiliation/registration:	Environmental Assessment Practitioners of South Africa (EAPSA); SACNASP - Professional Natural Scientist (Registration No. 400108/17); IAIA.		
Contact person (if different from EAP):	Same		
Company:	Nemai Consulting		
Physical address:	147 Bram Fischer Drive, Ferndale, 2194		
Postal address:	P.O. Box 1673 Sunninghill		
Postal code:	2157	Cell:	N/A
Telephone:	011 781 1730	Fax:	011 78 1731
E-mail:	donavanh@nemai.co.za		

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by the NEMA Regulations, prior to the commencement of the process.

The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and relevant application processes) of the EAP must also be attached as **Appendix 1**.

4. PROJECT DESCRIPTION

Farm Name:	<i>Refer to tables contained in Appendix 6</i>																																																																								
Application area (Ha)	<p><u>Note:</u></p> <p>* Borrow Pit Area = total area to be mined</p> <p>** Management Area = Includes the borrow pit area, allowance of 10% of borrow pit area for topsoil stockpile and 1ha for working space (project footprint)</p> <table border="1"> <thead> <tr> <th>Borrow Pit Name</th><th>Borrow Pit Area (ha)*</th><th>Management Area (ha)**</th></tr> </thead> <tbody> <tr><td>BP 25</td><td>14.8</td><td>17.3</td></tr> <tr><td>BP 30</td><td>7.2</td><td>8.9</td></tr> <tr><td>BP 35</td><td>4.3</td><td>5.7</td></tr> <tr><td>BP 28</td><td>4.6</td><td>6.1</td></tr> <tr><td>BP 33</td><td>7.6</td><td>9.4</td></tr> <tr><td>BP 41</td><td>5.3</td><td>6.8</td></tr> <tr><td>BP 38</td><td>7.0</td><td>8.7</td></tr> <tr><td>BP 39</td><td>4.5</td><td>6.0</td></tr> <tr><td>BP 42</td><td>3.3</td><td>4.6</td></tr> <tr><td>BP 44</td><td>5.1</td><td>6.6</td></tr> <tr><td>BP 43</td><td>4.3</td><td>5.7</td></tr> <tr><td>BP 53</td><td>2.3</td><td>3.5</td></tr> <tr><td>BP 52</td><td>7.2</td><td>8.9</td></tr> <tr><td>BP 50</td><td>4.4</td><td>5.8</td></tr> <tr><td>BP 48</td><td>10.7</td><td>12.8</td></tr> <tr><td>BP 49</td><td>5.2</td><td>6.7</td></tr> <tr><td>BP 15</td><td>3.3</td><td>4.6</td></tr> <tr><td>BP 46</td><td>2.5</td><td>3.8</td></tr> <tr><td>BP 59</td><td>3.0</td><td>4.3</td></tr> <tr><td>BP 13</td><td>7.7</td><td>9.5</td></tr> <tr><td>BP 14</td><td>12.6</td><td>14.9</td></tr> <tr><td>BP 51</td><td>3.8</td><td>5.2</td></tr> <tr><td>BP SS1</td><td>0.3</td><td>1.3</td></tr> </tbody> </table>	Borrow Pit Name	Borrow Pit Area (ha)*	Management Area (ha)**	BP 25	14.8	17.3	BP 30	7.2	8.9	BP 35	4.3	5.7	BP 28	4.6	6.1	BP 33	7.6	9.4	BP 41	5.3	6.8	BP 38	7.0	8.7	BP 39	4.5	6.0	BP 42	3.3	4.6	BP 44	5.1	6.6	BP 43	4.3	5.7	BP 53	2.3	3.5	BP 52	7.2	8.9	BP 50	4.4	5.8	BP 48	10.7	12.8	BP 49	5.2	6.7	BP 15	3.3	4.6	BP 46	2.5	3.8	BP 59	3.0	4.3	BP 13	7.7	9.5	BP 14	12.6	14.9	BP 51	3.8	5.2	BP SS1	0.3	1.3
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Magisterial district:	Study area is situated in the Waterberg District Municipality, and in the Lephalale and Thabazimbi Local Municipalities.																																																																								
Distance and direction from nearest town	Thabazimbi, which is situated approximately 10 km to the north-east of the first borrow pit, BP SS1. Lephalale is situated approximately 20 km to the east of the last borrow pit, BP 51.																																																																								
21 digit Surveyor General Code for each farm portion	<i>Refer to tables contained in Appendix 6</i>																																																																								
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 Mining Right, Mining Permit, Prospecting right, Bulk	Due to the limited availability of water in the Lephalale area, the DWS conducted a feasibility study (completed in 2010) of the MCWAP to establish how the future water demands could be met. The phases of the proposed project include:																																																																								

<p>Sampling, Production Right, Exploration Right, Reconnaissance permit, Technical co-operation permit, Additional listed activity)</p>	<p>1. <u>MCWAP Phase 1 (MCWAP-1):</u></p> <p>Augment the supply from Mokolo Dam to supply in the growing water use requirement for the interim period until a transfer pipeline from the Crocodile River West can be implemented. The solution must over the long term optimally utilise the full yield from Mokolo Dam and will be operated as a system together with MCWAP-2A when the latter is completed. Phase 1 is operational since June 2015. The pipeline section between Lephalale to Steenbokpan was not constructed as part of MCWAP-1 as originally envisaged, and will form part of the construction contract/s for MCWAP-2A. However, the environmental authorisation for this section was received as part of the EIA for MCWAP-1.</p> <p>2. <u>MCWAP-2A:</u></p> <p>Transfer water from the Crocodile River (West) to the Steenbokpan and Lephalale areas, including the implementation of the River Management System in the Crocodile River (West) and its tributaries. Phase 2A is the focus of this EIA Application.</p> <p>The overall MCWAP-2A consists of the following components:</p> <ul style="list-style-type: none"> • Water Transfer Infrastructure - transfer of water from the Crocodile River to Lephalale; • Borrow Pits - sourcing of construction material; and • River Management System - manage abstractions from, and the river flow in, the Crocodile River (West) between Hartbeespoort Dam and Vlieëpoort Weir, the Moretele River from Klipvoor Dam to the confluence with the Crocodile River (West), the stretch of Elands River from Vaalkop Dam to Crocodile confluence, and also the required flow past Vlieëpoort. <p>This Application deals specifically with the borrow pits required for sourcing suitable material to be utilised during the construction phase of the MCWAP-2A. 23 borrow pits have been identified which are located at 5km intervals along the central pipeline to limit haul distances. Due to the cumulative footprint of the borrow pits a Mining Right will have to be applied for.</p>
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5. ACTIVITIES TO BE AUTHORISED

(Please provide copies of Environmental Authorisations obtained for the same property as **Appendix 3**).

(For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated. Please note that any authorisation that may result from this application will only cover activities specifically applied for). (Attach a proposed site plan, drawn to a scale acceptable to the competent Authority, showing the location of all the activities to be applied for, as **Appendix 4**)

NAME OF ACTIVITY	Aerial extent of the Activity Ha or m ²			LISTED ACTIVITY	APPLICABLE LISTING NOTICE	WASTE MANAGEMENT AUTHORISATION
(E.g. For prospecting - drill site, site camp, abutment facility, accommodation, equipment storage, sample storage, site office, access route etc...etc...etc E.g. for mining, - 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.)				(Mark with an X where applicable or affected).	(GNR 983, GNR 985 or GNR 985)	(Indicate whether an authorisation is required in terms of the Waste Management Act). (Mark with an X)
Mining - sourcing construction material for borrow areas. The primary activities related to the mining of suitable construction material include the following: <ul style="list-style-type: none"> Complete detailed geotechnical investigations; Complete negotiations with affected landowners; Contractor to confirm the mining process and to develop a mining method statement; Contractor to develop Mining Plan, which includes the layout of mining activities and features such as fencing, access arrangements, aggregate stockpiles, topsoil stockpiles, container stores, crushing and screening area, office and support facilities, haul roads, overburden placement, etc.; Understand site drainage and manage 	Borrow Pit Name	Borrow Pit Area (ha)*	Management Area (ha)**	Activity No.12(ii)(a) X	G.N. R 983	N/A
	BP 25	14.8	17.3	Activity No.14 X	G.N. R 983	N/A
	BP 30	7.2	8.9			
	BP 35	4.3	5.7			
	BP 28	4.6	6.1			
	BP 33	7.6	9.4			
	BP 41	5.3	6.8	Activity No.19 X	G.N. R 983	N/A
	BP 38	7.0	8.7			
	BP 39	4.5	6.0			
	BP 42	3.3	4.6			
	BP 44	5.1	6.6			
	BP 43	4.3	5.7	Activity No. 22 X	G.N. R 983	N/A
	BP 53	2.3	3.5			
	BP 52	7.2	8.9			
	BP 50	4.4	5.8			
	BP 48	10.7	12.8			
	BP 49	5.2	6.7	Activity No. 24(ii) X	G.N. R 983	N/A
	BP 15	3.3	4.6			
	BP 46	2.5	3.8			
	BP 59	3.0	4.3			
	BP 13	7.7	9.5			
	BP 14	12.6	14.9	Activity No. 27 X	G.N. R 983	N/A
	BP 51	3.8	5.2			
	BP SS1	0.3	1.3			
	Note:					

<p>stormwater (e.g. construct sediment holding basins and divert up-slope water around the mining area);</p> <ul style="list-style-type: none"> • Construction of access and haul roads; • Site preparation, including clearing and grubbing; • Remove and safe storage (temporary stockpiles) of topsoil and remaining overburden material for post-mining rehabilitation; • Manage borrow pits, including side slopes and floor of mined area; • Process the borrowed material (crushing and screening) for use in earthworks; • Load the borrow material into tipper trucks and haul material to pipeline trench, as well as other areas where the material is required; • Inert and spoil material to be used to old fill borrow area (as necessary); • Post-mining – <ul style="list-style-type: none"> ▪ Grading of site; ▪ Removal of all facilities associated with mining activities; and ▪ Stabilise, reinstate and rehabilitate borrow areas. <p>The mining equipment to be used includes the following:</p> <ul style="list-style-type: none"> • Excavators • Bull-dozer, front-end loaders, backhoes; • Tipper trucks; • Graders • Water trucks; and • Lowbed truck (transporting machines on and off site). 	<p>* Borrow Pit Area = total area to be mined</p> <p>** Management Area = Allowance of 10% of borrow pit area for topsoil stockpile and 1ha for working space (i.e. entire borrow pit footprint)</p>	Activity No. 30 X	G.N. R 983	N/A
		Activity No. 56(ii) X	G.N. R 983	N/A
		Activity No. 4 X	G.N. R 984	N/A
		Activity No. 15 X	G.N. R 984	N/A
		Activity No.17(b) X	G.N. R 984	N/A
		Activity No.4 (e)(i)(ee) X	G.N. R 985	N/A
		Activity No.10 (e)(i) X	G.N. R 985	N/A
		Activity No.12 (e)(ii) X	G.N. R 985	N/A
		Activity No.14 (ii)(a)(e)(i)(ff) X	G.N. R 985	N/A

		Activity No.18(e)(i)(ee) (gg) X	G.N. R 985	N/A
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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 been 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 railway 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 of the parties identified above be provided with a description of the proposed mining /prospecting operation as referred above?	X	
Will all the parties identified above be requested in writing to provide information as to how their interests (whether it be socio-economic, cultural, heritage or environmental) will be affected by the proposed mining project?	X	
Other, Specify		

6.1.2. DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

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)	The EIA Public Participation Process for MCWAP-2A Borrow Pits will consist of the following three phases: 1. Announcement Phase; 2. Scoping Phase; and 3. EIA Phase. As part of the project announcement phase of the EIA the following tasks were undertaken: 1. Compile a database of potential Interested and Affected Parties (IAPs), which included – a. Landowners, occupiers and/or persons in control of land affected by or adjacent to the footprint of the project's physical infrastructure; b. Organ of state having jurisdiction in respect of any aspect of the activity; c. The municipality which has jurisdiction in the area (Waterberg District Municipality, Thabazimbi Local Municipality and Lephalale Local Municipality); d. The municipal councillors of the wards in which the project footprint
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- site is situated;
- e. Ratepayers Associations (as relevant);
- f. Custodians of infrastructure that will be affected by the project components (including inter alia Eskom and Transnet);
- g. Formal agricultural groups, including
 - i. Transvaal Agricultural Union;
 - ii. Agri-SA;
 - iii. Hartbeespoort Irrigation Board;
 - iv. Crocodile West Irrigation Board;
 - v. Makoppa Irrigators;
- h. Specific interest groups (e.g. environmental, socio-economic; education); and
- i. Other.

2. Placing legal notices in the following newspapers –

- a. Beeld (Afrikaans; regional);
- b. The Star (English; regional);
- c. The Daily Sun (English; regional);
- d. Die Kweek (Afrikaans, local); and
- e. Mogol Pos (English; local).

3. Distributing a Background Information Document and Reply Form to all IAPs identified and included in the project database.

4. Erecting onsite notices (reflecting English and, Afrikaans) at various locations along the project footprint. The sites will be chosen to be conspicuous to and accessible by the public at the boundary or along the project components.

5. Placing public notices at the following locations -

- a. Thabazimbi Municipal Office;
- b. Thabazimbi Library;
- c. Agri-SA Ellisras;
- d. Steenbokpan Shop;
- e. Koedoeskop Shop; and
- f. Sentrum Agricultural Union Auctioning Kraals.

6. Notifying IAPs via bulk SMS.

7. Notifying landowners of directly affected and adjacent properties (refer to Notification Letter, emails and registered mail contained in Appendix 7)

8. Convening the following public meetings in:

- a. Thabazimbi;
- b. Lephalale; and
- c. Steenbokpan

9. Convening an Environmental Authorities meeting.

10. Compile a Comments and Responses Report.

Public Participation tasks during the Scoping Phase will include (to be included in the Final Scoping Report):

- 1. Lodge draft Scoping Report in public domain (including electronic copy on project website and hardcopies at public places such as Thabazimbi and Lephalale Libraries);
- 2. Notification of registered IAPs of review of draft Scoping Report;
- 3. Convene Public Meetings and Environmental Authorities Meeting to present the draft Scoping Report; and
- 4. Update Comments and Response Report (to be included in the Final Scoping Report)

	<p>Public Participation tasks during the EIA Phase will include (but not limited to):</p> <ol style="list-style-type: none"> 1. Lodge draft Environmental Impact Assessment Report (EIAR) in public domain; 2. Notification of registered IAPs of review of draft EIAR; 3. Convene Public Meetings and Environmental Authorities Meeting to present the draft EIAR; 4. Update Comments and Response Report; 5. Notification of registered IAPs of DMR's decision; and 6. Appeal process (if applicable). <p>Note: Refer to Appendix 7, which contains all notification (Emails, Site Notices and Advertisements) conducted in 2016 as part of the EIA Announcement Phase for the MCWAP-2A Water Transfer Infrastructure, which included the borrow pits. All notification to IAPs with regards to the DMR Application will be completed after the submission of the application, and will be included in the Scoping Report.</p>
Information to be provided to Interested and Affected Parties.	<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>
Information to be required from Interested and Affected Parties.	<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 standard the impacts on site can be remedied, requested to make written proposals • 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). <p>Other, Specify</p>

7. Description of the assessment process to be undertaken

ITEM	DESCRIPTION
Environmental attributes. Describe how the Environmental attributes associated with the development footprint will be determined.	The receiving environment within the study area was primarily assessed through site visits/appraisals; Environmental screening (desktop analysis, GIS, Google Earth, aerial photography); International and local research of previous studies and projects; Input received from Commenting Authorities and Interested and Affected Parties (IAP); Pre-feasibility Studies; Detailed Specialist Studies (Environmental and Technical).

<p>Identification of impacts and risks. (Describe the process that will be used to identify impacts and risks.</p>	<p>The potential environmental impacts associated with the proposed project will be identified as follows:</p> <ul style="list-style-type: none"> Proposed locations and footprint of the project infrastructure and components, which included a desktop evaluation with a GIS and aerial photography, as well as site investigations; Activities associated with the project life-cycle (i.e. pre-mining, mining and post-mining phase); Nature and profile of the receiving biophysical, social, economic and built environment and potential sensitive environmental features and attributes; Impacts associated with listed activities, for which authorisation has been applied for; Findings from specialist studies; Issues highlighted by environmental authorities; Comments received during public participation; and Legal and policy context.
<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>Alternative borrow pit locations: During previous geotechnical investigations, test pits confirmed the locations of the borrow pits by their availability of the required construction material (sand) and proximity to the pipeline servitude. The preferred sites are situated at approximately 5km intervals along the route, which eliminates the need of commercial sources from Thabazimbi or Lephalale and limits the haul distance.</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>Impact Assessment: The EIA qualitative impact assessment will focus on the direct and cumulative impacts associated with the proposed borrow pits. All the possible impacts to the receiving environment within the study area, will be analysed with regard to their nature, extent, magnitude, duration, probability and significance. The definitions and criteria used for the qualitative impact assessment is provided below:</p> <p>Nature (Status) The project could have a positive, negative or neutral impact on the environment.</p> <p>Extent</p> <ul style="list-style-type: none"> Local - extend to the site and its immediate surroundings. Regional - impact on the region but within the province. National - impact on an interprovincial scale. International - impact outside of South Africa. <p>Magnitude Degree to which impact may cause irreplaceable loss of resources.</p> <ul style="list-style-type: none"> Low - natural and social functions and processes are not affected or minimally affected. Medium - affected environment is notably altered; natural and social functions and processes continue albeit in a modified way. High - natural or social functions or processes could be substantially affected or altered to the extent that they could temporarily or permanently cease. <p>Duration</p> <ul style="list-style-type: none"> Short term - 0-5 years. Medium term - 5-11 years. Long term - impact ceases after the operational life cycle of the activity either because of natural processes or by human intervention. Permanent - mitigation either by natural process or by human intervention will not occur in such a way or in such a time span that the impact can be considered transient. <p>Probability</p> <ul style="list-style-type: none"> Almost certain - the event is expected to occur in most circumstances. Likely - the event will probably occur in most circumstances. Moderate - the event should occur at some time. Unlikely - the event could occur at some time. Rare/Remote - the event may occur only in exceptional circumstances. <p>Significance</p>

	<p>Provides an overall impression of an impact's importance, and the degree to which it can be mitigated. The range for significance ratings is as follows-</p> <p>0 – Impact will not affect the environment. No mitigation necessary.</p> <p>1 – No impact after mitigation.</p> <p>2 – Residual impact after mitigation.</p> <p>3 – Impact cannot be mitigated.</p>
<p>Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.</p>	<p>The requisite environmental specialist studies 'triggered' by the findings of the Scoping process, aimed at addressing the key issues and compliance with legal obligations, include:</p> <ul style="list-style-type: none"> • Agricultural Impact Assessment; • Terrestrial Ecological Study; • Visual Impact Assessment (conducted as part of previous EIA for MCWAP-2); • Socio-economic Impact Assessment; • Heritage Impact Assessment; and • Wildlife Impact Assessment. <p>The information obtained from the respective specialist studies will be incorporated into the EIA report in the following manner:</p> <ol style="list-style-type: none"> 1. The information will be used to complete the description of the receiving environment in a more detailed and site-specific manner; 2. A summary of each specialist study will be contained in the report, focusing on the approach to the study, key findings and conclusions drawn; 3. The specialists' impacts assessment, and the identified mitigation measures, will be included in the overall project impact assessment and the Environmental Management Programme (EMPr); 4. Specialist input will be obtained to address comments made by I&APs that related to specific environmental features pertaining to each specialist discipline; and <ol style="list-style-type: none"> 1. Salient recommendations made by the specialists will be taken forward to the final EIA Conclusions and Recommendations.
<p>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.</p>	<p>The Environmental Management Programme (EMPr) will provide measures and procedures (general and site specific from specialist studies) which will be required to address potential impacts during the project life cycle.</p> <p>The EMPr will address the following:</p> <ul style="list-style-type: none"> • Establish management objectives during the project life-cycle in order to enhance benefits and minimise adverse environmental impacts; • Provide targets for management objectives, in terms of desired performance; • Describe actions required to achieve management objectives; • Outline institutional structures and roles required to implement the EMPr; and • Provide legislative framework. <p>Provision will be made in the EMPr for the following types of monitoring:</p> <ul style="list-style-type: none"> • Baseline Monitoring (determine to the status quo of the receiving environment); • Environmental Monitoring (checking, at pre-determined frequencies, whether thresholds and baseline values for certain environmental parameters are being exceeded); and • Compliance Monitoring and Auditing.

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	To be confirmed			
National Environmental Management: Integrated Coastal Management Act		X		
National Environmental Management: Protected Areas Act		X		
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			X
Others: Please specify				

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

In the event that an authorization 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).	SIZE AND SCALE (of Disturbance)	TYPICAL MITIGATION MEASURES (Eg. storm water control, dust control, noise control, access control, rehabilitation etc..., etc...,)	COMPLIANCE WITH STANDARDS (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)
(E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etc...etc...etc E.g. for mining - excavations, blasting, 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...etc.)	State: Planning and design, Pre-Construction Construction, Operational, Rehabilitation, Closure, Post closure.	(volumes, tonnages and hectares or m ²)		
Note that a comprehensive list of mitigation measures will be included in the EMPr for the project's life-cycle. Certain key measures are listed below.				

Mining of borrow pit (excavators, dozers, access/haul roads, screeners, site office/stores, ablution, storm water control, stockpiling, spoil sites)	Mining phase	See table in Section 5	<ul style="list-style-type: none"> • Borrow pits to be created, operated and rehabilitated in accordance with the EMP, as authorised by the Department of Mineral Resources; • Mining activities to remain within the designated mining areas/borrow pit footprint; • Subsoil and overburden should be stockpiled separately, and returned for backfilling of borrow areas in the correct soil horizon order; • Suitable barricading to be erected around open excavations within management areas. • Adequate signage on site as a warning of open excavations. • Divert runoff away from borrow areas, where necessary. • Prior to commencing with blasting activities, the blasting Contractor should submit a Method Statement which should comply with the Explosives Regulations (2003) and all relevant SANS standards and health and safety standards for mitigating blasting. The Contractor shall employ industry standard methods to control the impact of blasting and limit the risk of damage to buildings and structures by reducing blast vibrations induced in the rock mass, eliminating fly rock and limiting air-blast and noise to acceptable levels. • Implement suitable stormwater management measures at borrow pits. • During in stream works, no direct discharge of sediment laden water to occur without prior treatment. • Access/haul roads to be constructed to allow drainage, by the use of graveling. Roads should be kept in serviceable condition to minimise erosion by rainfall runoff and vehicle use • Fuel/oil storage should be equipped with approved containment. 	<p>The environmental parameters to be included as part of the environmental monitoring programme, which is to be undertaken by the Contractor, includes the following:</p> <p>Air Quality – Dust fallout; Particulate matter (PM10); Noise; and Water quality.</p> <p>Dust fallout - Comply with ASTM D1739; SANS 1929, SANS 69.</p> <p>Noise levels - Comply with SANS 10103:2008.</p> <p>All water discharges to comply with legal requirements associated with the National Water Act (Act No. 36 of 1998), including GN No. 399.</p> <p>Analysis is to be undertaken at a SANS 17025 certified laboratory.</p>
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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>Questionnaire to be provided to Interested and Affected Parties (IAPs) which will provide feedback from the IAPs with specific focus on the environmental status quo of the affected properties (including sensitive environmental features, existing structures, current land use, etc.</p>
<p>Closure objectives Describe the closure objectives and the extent to which they will be aligned to the baseline environment</p>	<p>Specific objectives and targets to be set in the EMPr for the following (where relevant):</p> <ul style="list-style-type: none"> • Removal of structures and infrastructure; • Inert waste and rubble; • Hazardous waste and pollution control; • Shaping and site stabilisation; • Grading; • Topsoil replacement and soil amelioration; • Ripping and scarifying; • Planting; • Grassing/hydro-seeding; and • Maintenance and monitoring.
<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>	<p>Refer to table in Section 5 and locality maps in Appendix 2 for the project footprint of the proposed borrow pits.</p> <p>Rehabilitation plan to be developed for entire borrow area domain. Provision to be made in the EMPr for rehabilitation requirements.</p> <p>Performance criteria in terms of rehabilitation to be provided in the project specification in the form of minimum standards and measures to be implemented by the Contractor. The Contractor shall provide detailed method statements on how the performance criteria will be met, through the application of the specification. These methods are to be reviewed and approved by the Project Manager to ensure that they are adequate.</p>
<p>Rehabilitation Cost Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof</p>	<p>To be confirmed during the design phase of the MCWAP-2A project. Provision for rehabilitation to be included in the contractor's bill of quantities, in accordance with the specifications.</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>Contractor to conduct concurrent or progressive rehabilitation of areas affected by construction activities that are situated outside of the dam footprint, as required.</p>



Signature of the applicant / Signature on behalf of the applicant.

DEPARTMENT OF WATER AND SANITATION

Name of company (if applicable):

16/2/2018

Date:

APPENDIX 1 DECLARATION OF THE EAP

I, Donovan Henning, 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;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~


Signature of the environmental assessment practitioner:

Nemai Consulting
Name of company:

26 / 02 / 2018
Date:

CURRICULUM VITAE – Donovan Henning

1. Personal Particulars

Name:	Donavan Henning
Date and place of birth:	1976-12-06, South Africa
Place(s) of tertiary education and dates associated therewith:	RAU (1995 – 2000)

2. Qualifications

Institution (Date from – Date to)	Degree(s) or Diploma(s) obtained
RAU (1995 – 1997)	B.Sc. Zoology and Biochemistry
RAU (1998)	B. Sc. Hons. Zoology
RAU (1999 – 2000)	M. Sc. Freshwater Ecology

Membership of professional bodies:	<ul style="list-style-type: none"> Interim Certification Board for EAP SA IAIA
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3. Name of current employer and position in enterprise

Name of current employer:	Nemai Consulting
Position in Team:	Lead Environmental Scientist

4. Overview of post graduate / diploma experience (year, organization and position)

Date (From – To)	2001 to date
Organisation	Nemai Consulting
Position	Senior Environmental Scientist

5. Outline of recent assignments / experience that has a bearing on the scope of work

Project Details
<ul style="list-style-type: none"> EIA for the Transfer Scheme from Mokolo Dam to Lephalale as part of the Mokolo Crocodile West Water Augmentation Project, for the Department of Water Affairs. EIA for the upgrade of the Zandspruit pumpstation and rising main, for Johannesburg Water. EIA for water and sewer reticulations in Stretford Ext 4, Orange Farm, for Johannesburg Water. EIA for upgrade of collector sewer in Bryanston East Ext 3, for Johannesburg Water. EIA for P1 and P2 bulk water pipeline from Randfontein to Rustenburg, for Rand Water. EIA for the de-bottlenecking of an existing bulk water pipeline, for the Department of Water Affairs. EIA project manager for upgrading of the Tembisa Reservoir Feed, for the Ekurhuleni Metropolitan Municipality. EIA for the Ncwabeni Off-channel Storage Dam in KZN, for the Department of Water Affairs. Environmental Control Officer (ECO) for the Mooi-Mgeni Transfer Scheme Phase 2 (MMTS-2), which includes Spring Grove Dam, for TCTA. Resource Management Plan for Spring Grove Dam, for TCTA.

APPENDIX 2

LOCALITY MAP

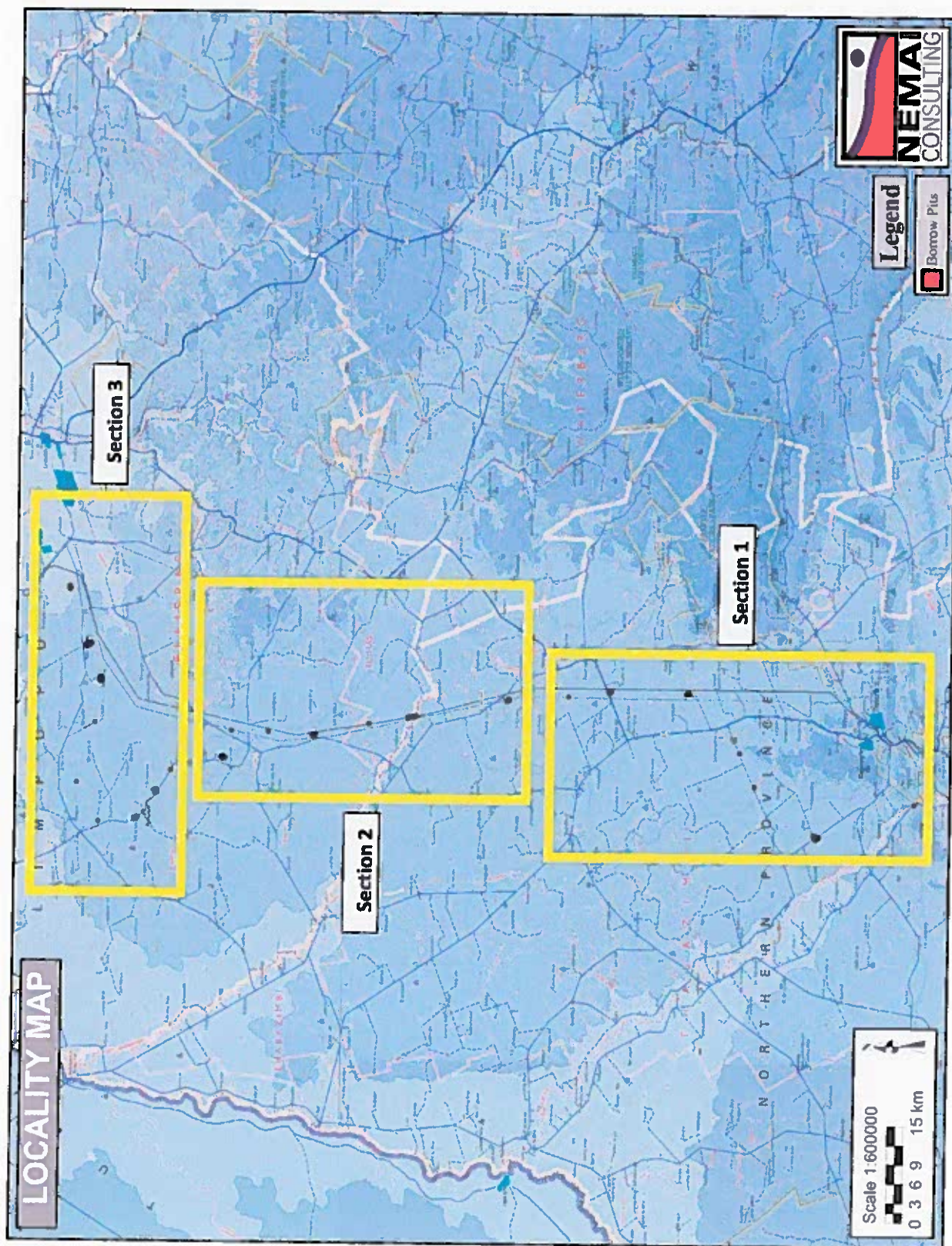


Figure 1: Overall Locality Map

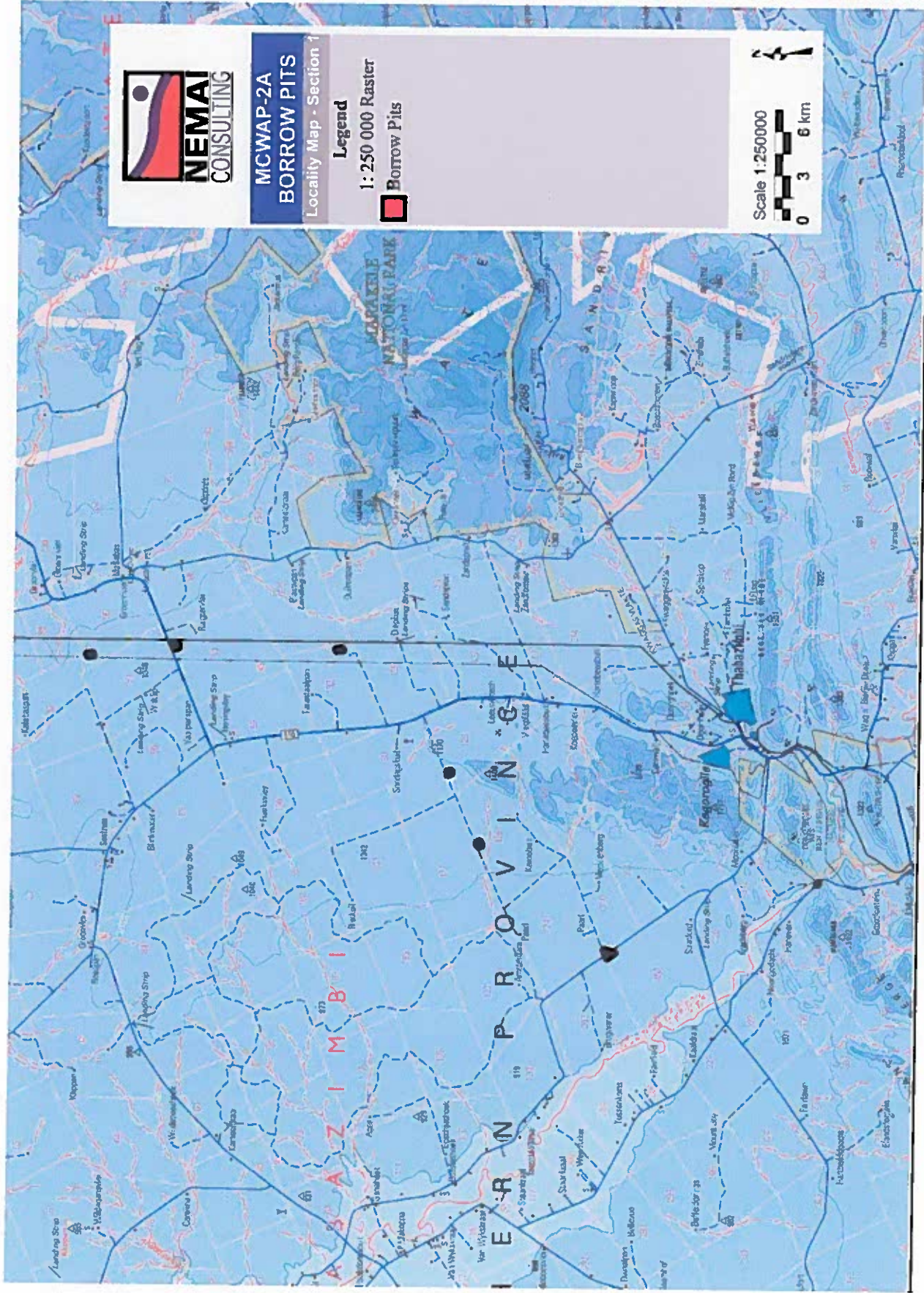


Figure 2: Section 1 Locality Map

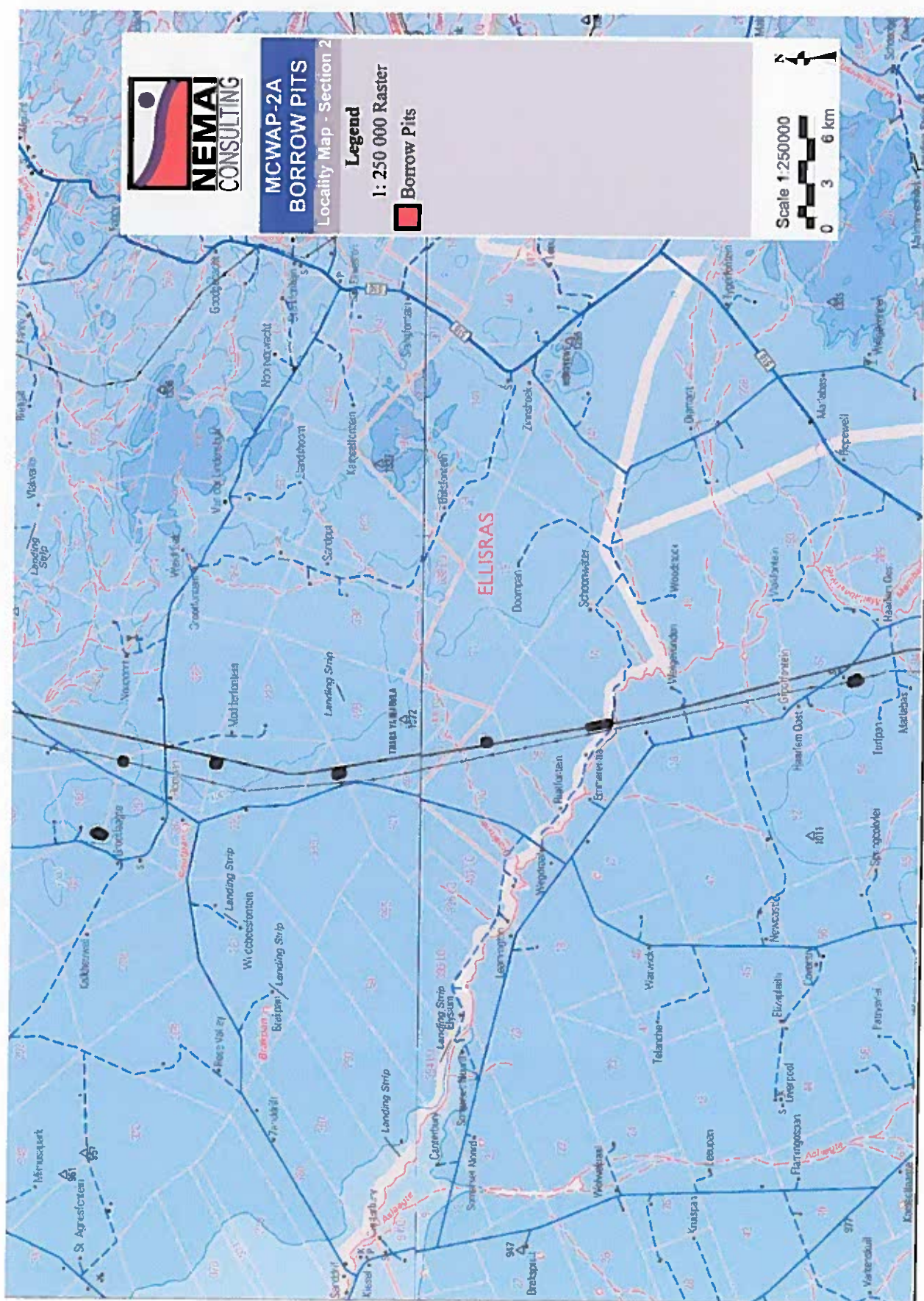


Figure 3: Section 2 Locality Map

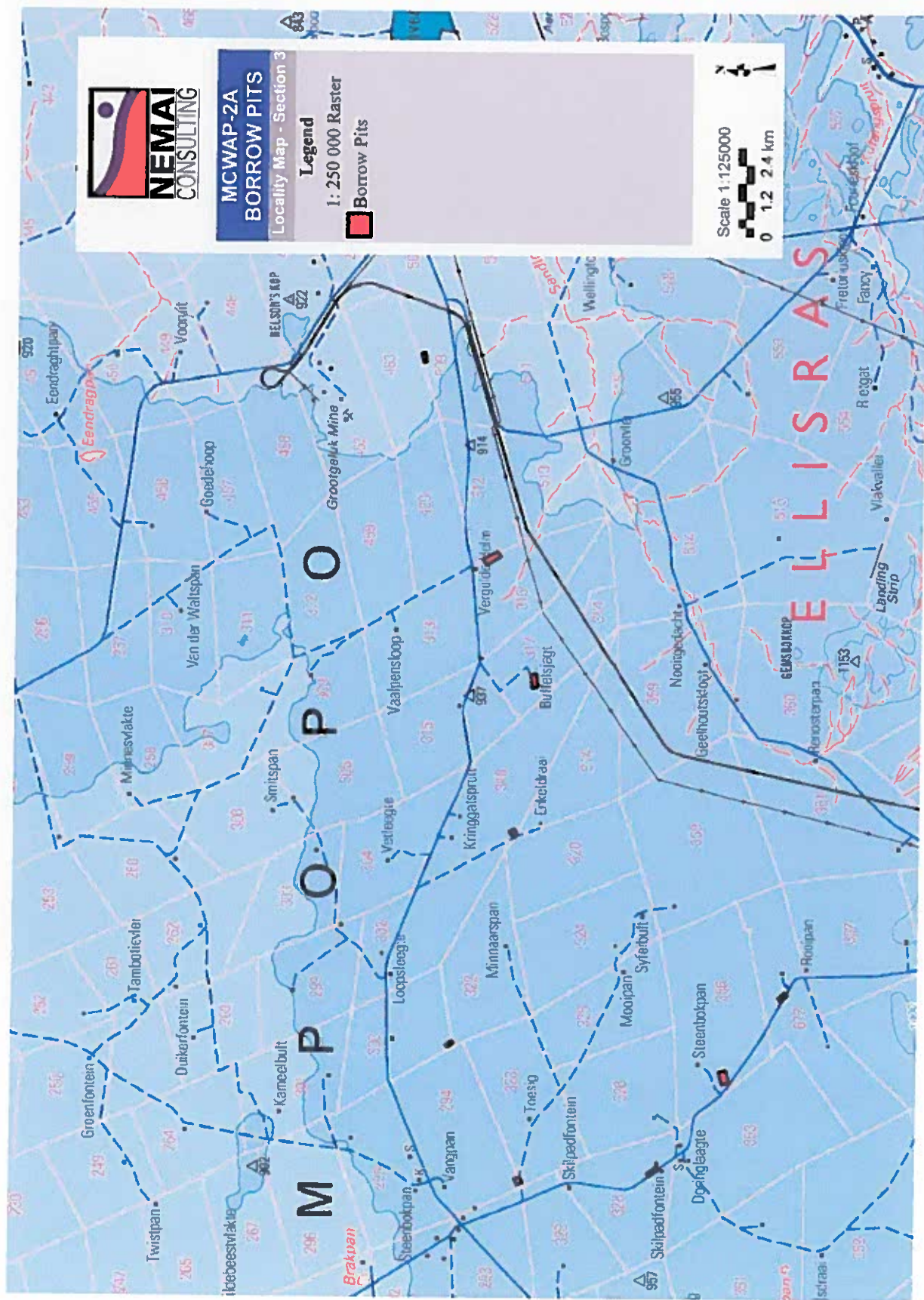


Figure 4: Section 3 Locality Map

APPENDIX 3

COPIES OF ENVIRONMENTAL AUTHORISATIONS OBTAINED FOR THE SAME PROPERTY

(Not Applicable)

APPENDIX 4

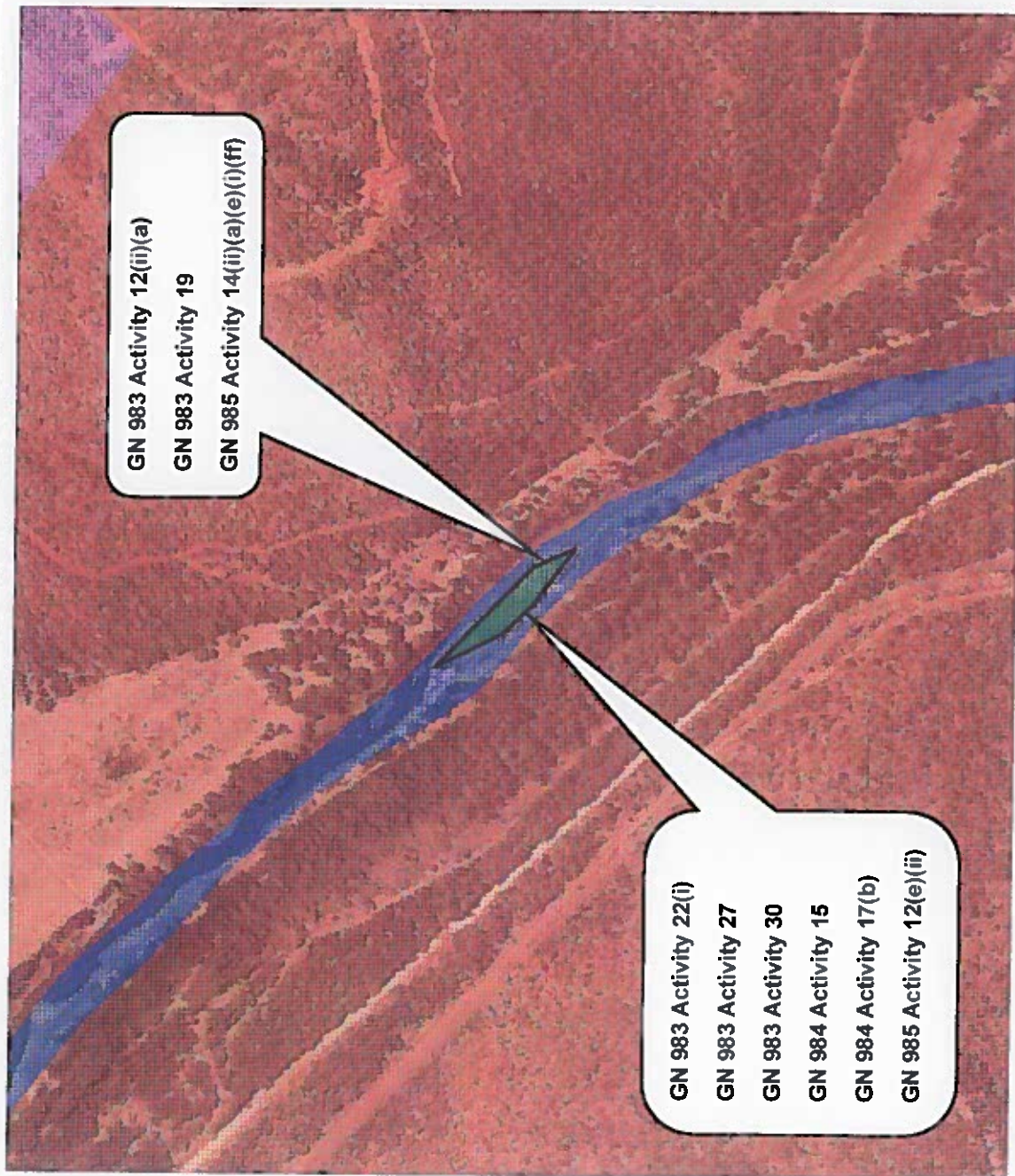
PROPOSED SITE PLAN SHOWING THE LOCATION OF ALL THE ACTIVITIES TO BE APPLIED FOR



**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP SS1
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2
 - River
 - Watercourse Extent

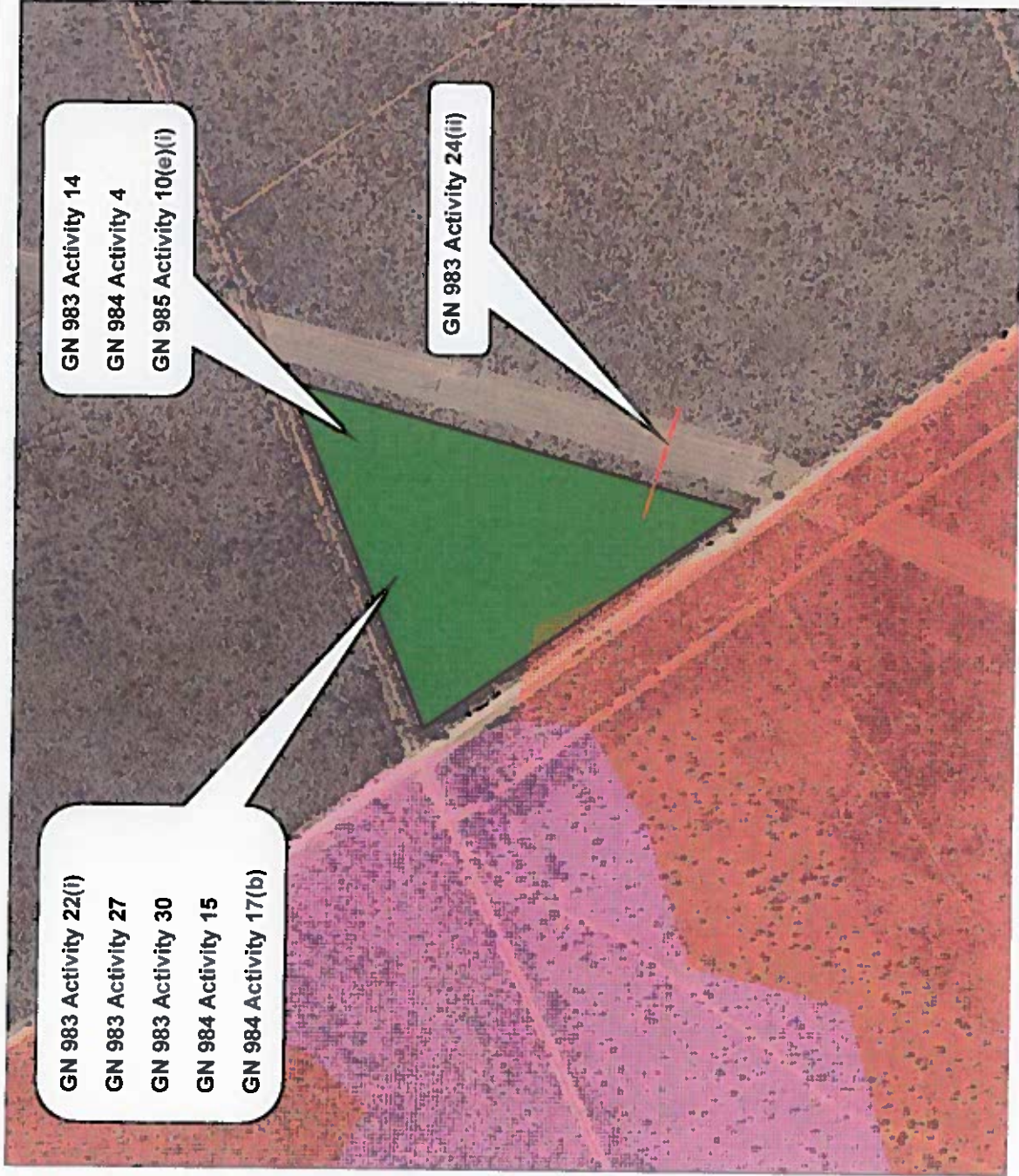
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**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

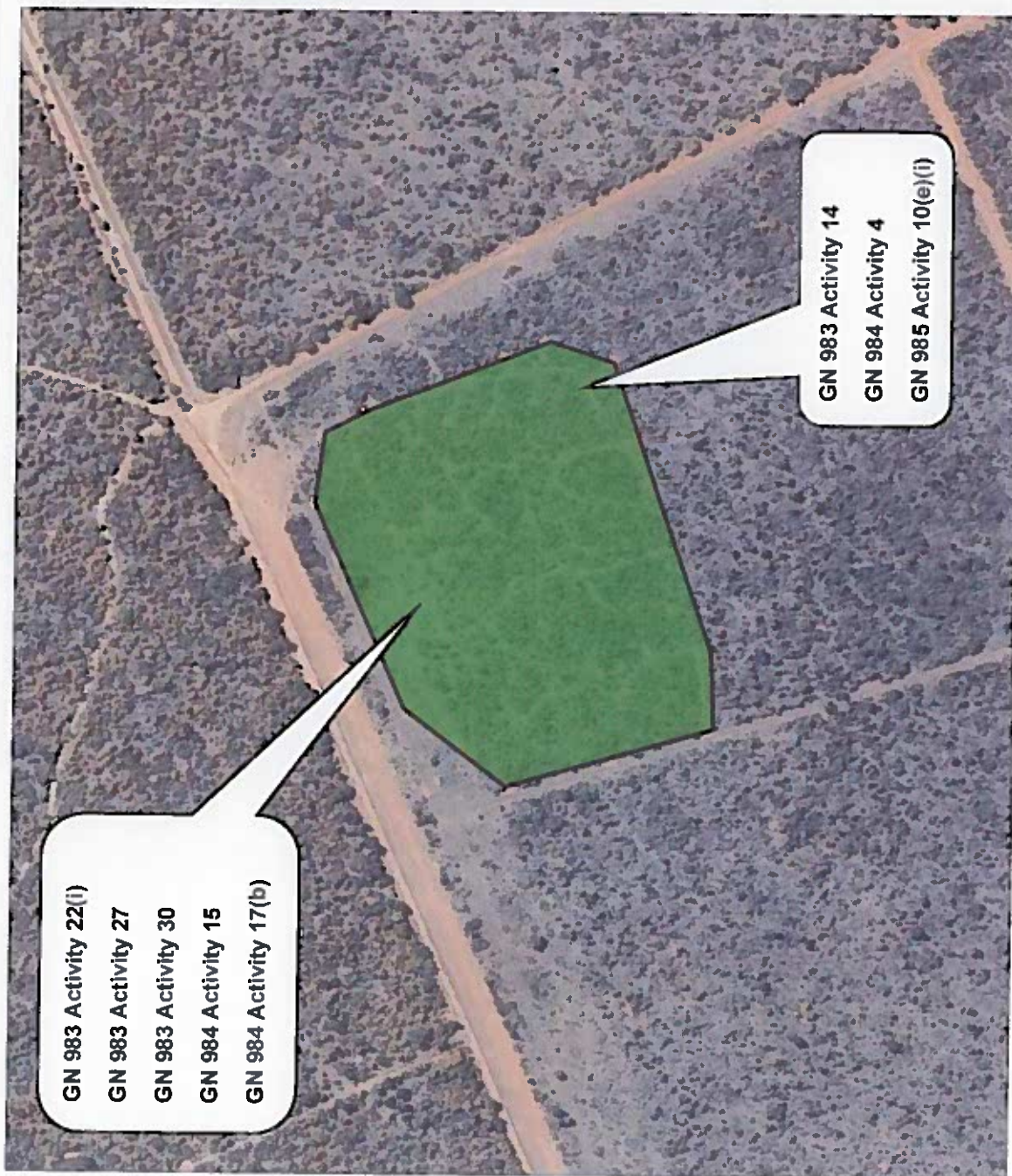
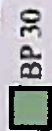
- Legend**
- BP 25
 - Access Road
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2





**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

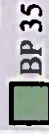
Legend





**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

Legend



BP 35
Access Road



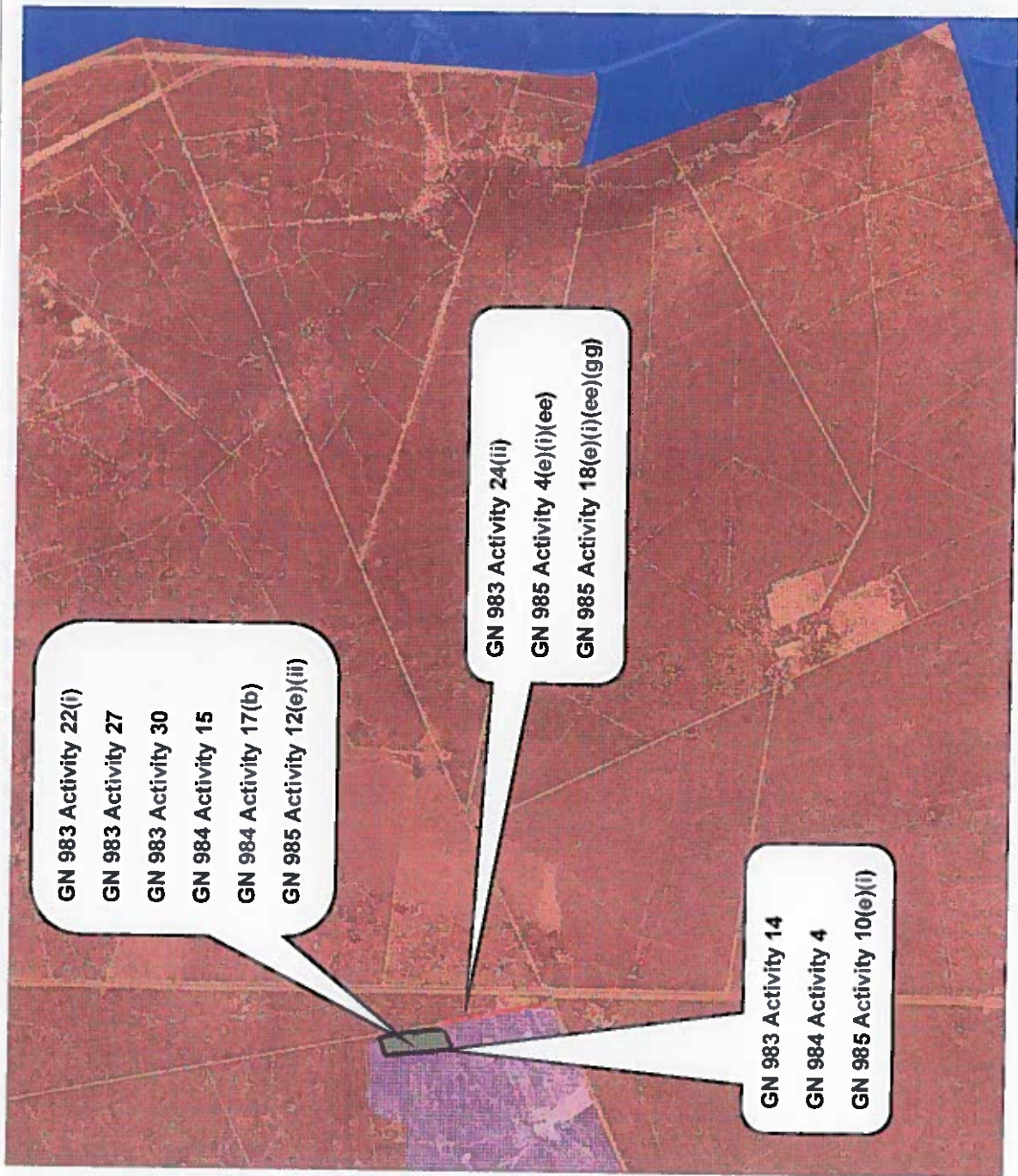


**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP 28
 - Access Road
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2
 - Protected Area

Scale 1:30000

 0 300 600 m

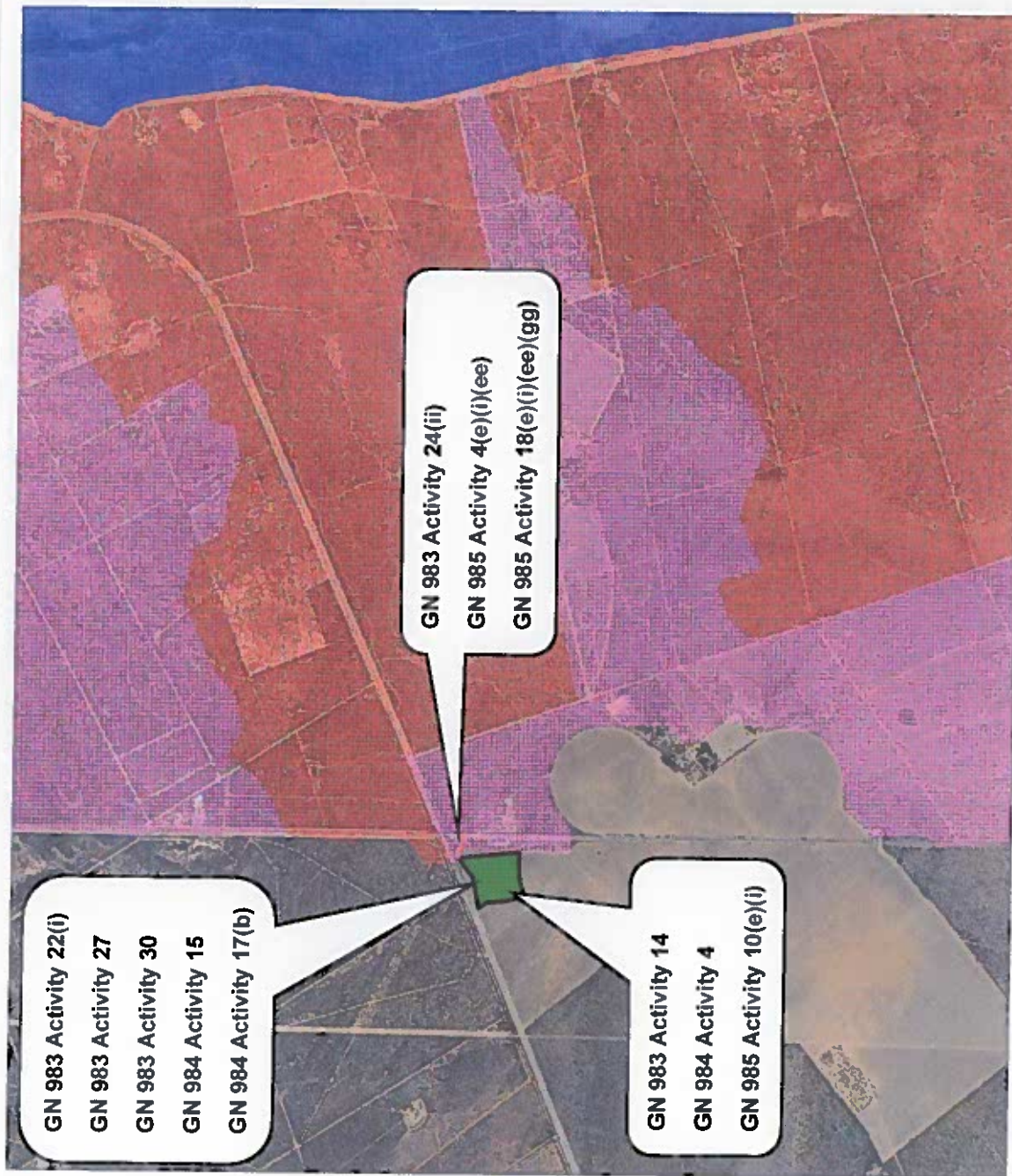




**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP 33
 - Access Road
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2
 - Protected Area







Scale 1:30000
0 300 600 m





**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

Legend

-  BP 41
-  Access Road
-  CBA
-  Critical Biodiversity Area 1
-  Critical Biodiversity Area 2
-  Protected Area

Scale 1:30000

 0 300 600 m





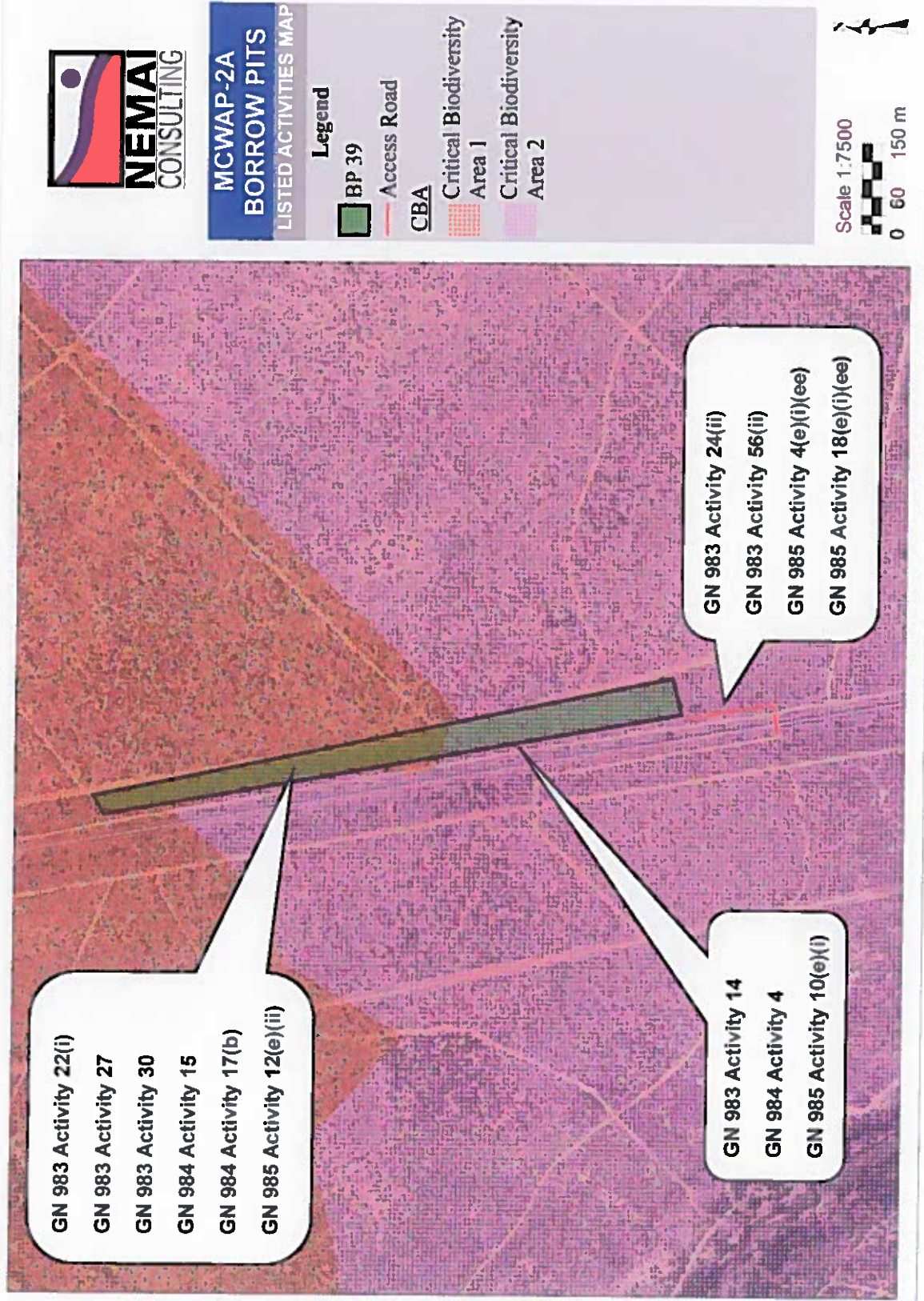
**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP 38
 - Access Road
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2

Scale 1:7500

 0 60 150 m





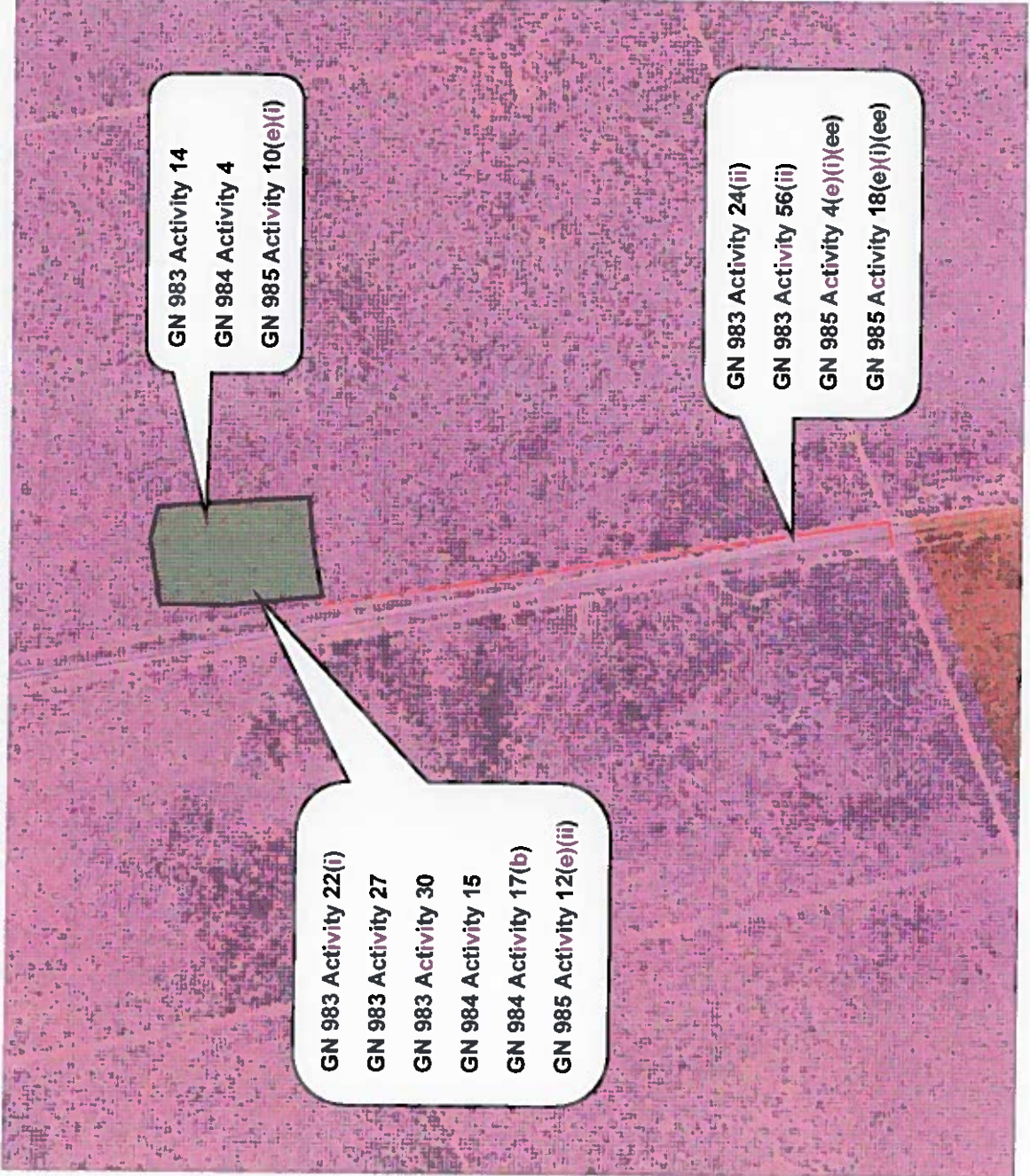


**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP 42
 - Access Road
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2

Scale 1:7500

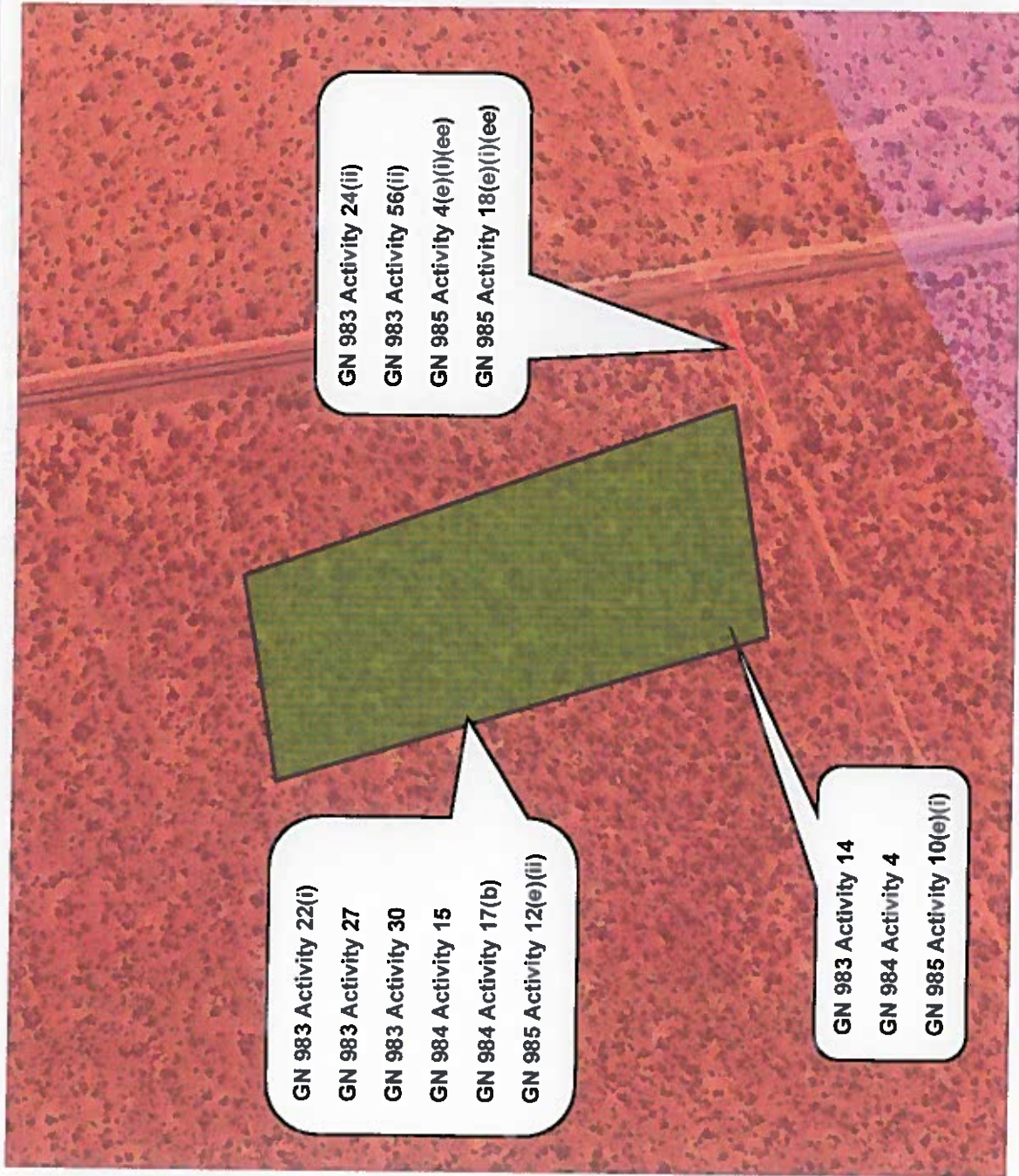
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**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP 44
 - Access Road
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2





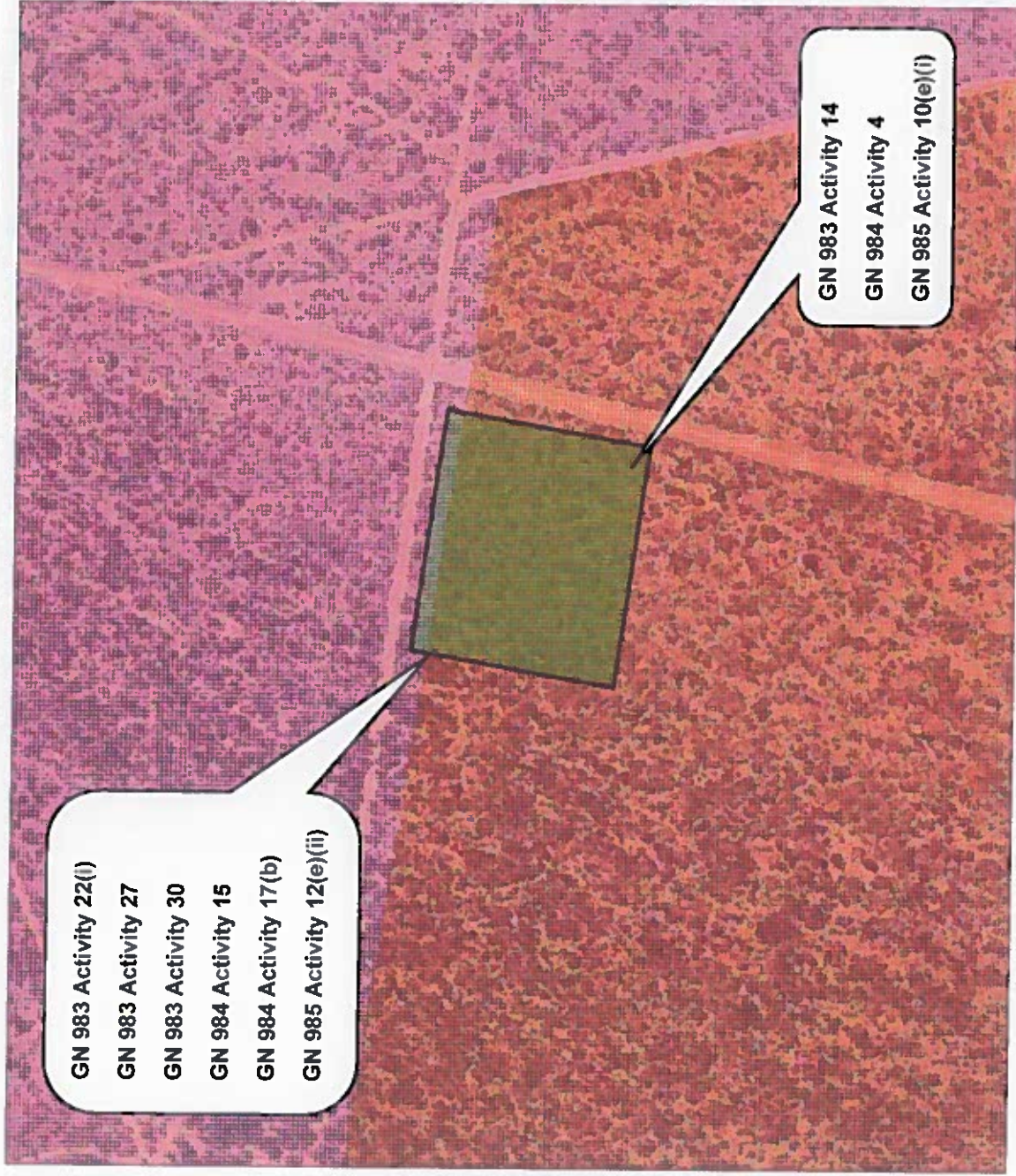


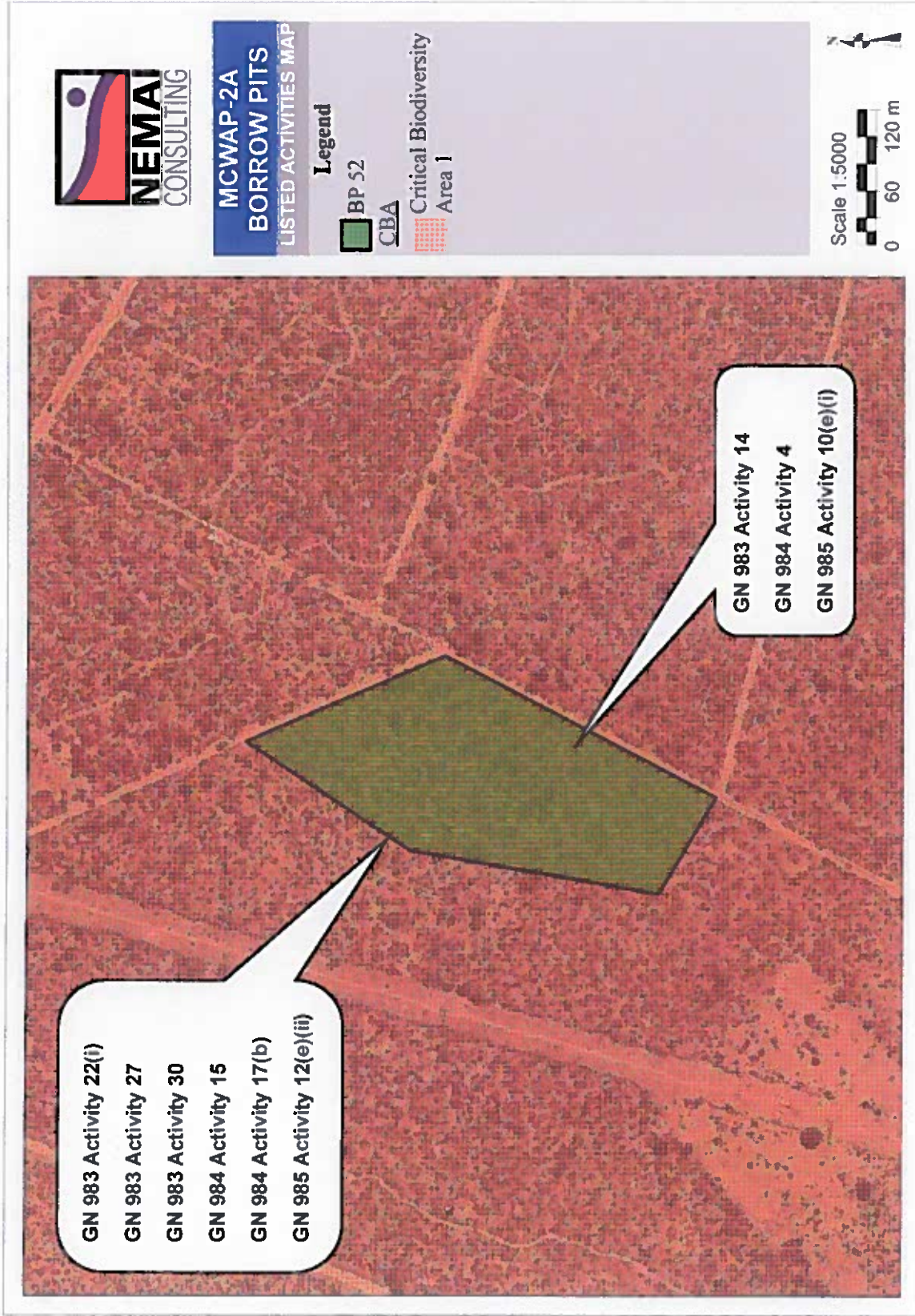
**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP 53
 - CBA
 - Critical Biodiversity Area 1
 - Critical Biodiversity Area 2

Scale 1:3500

 0 40 80 m







**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

Legend



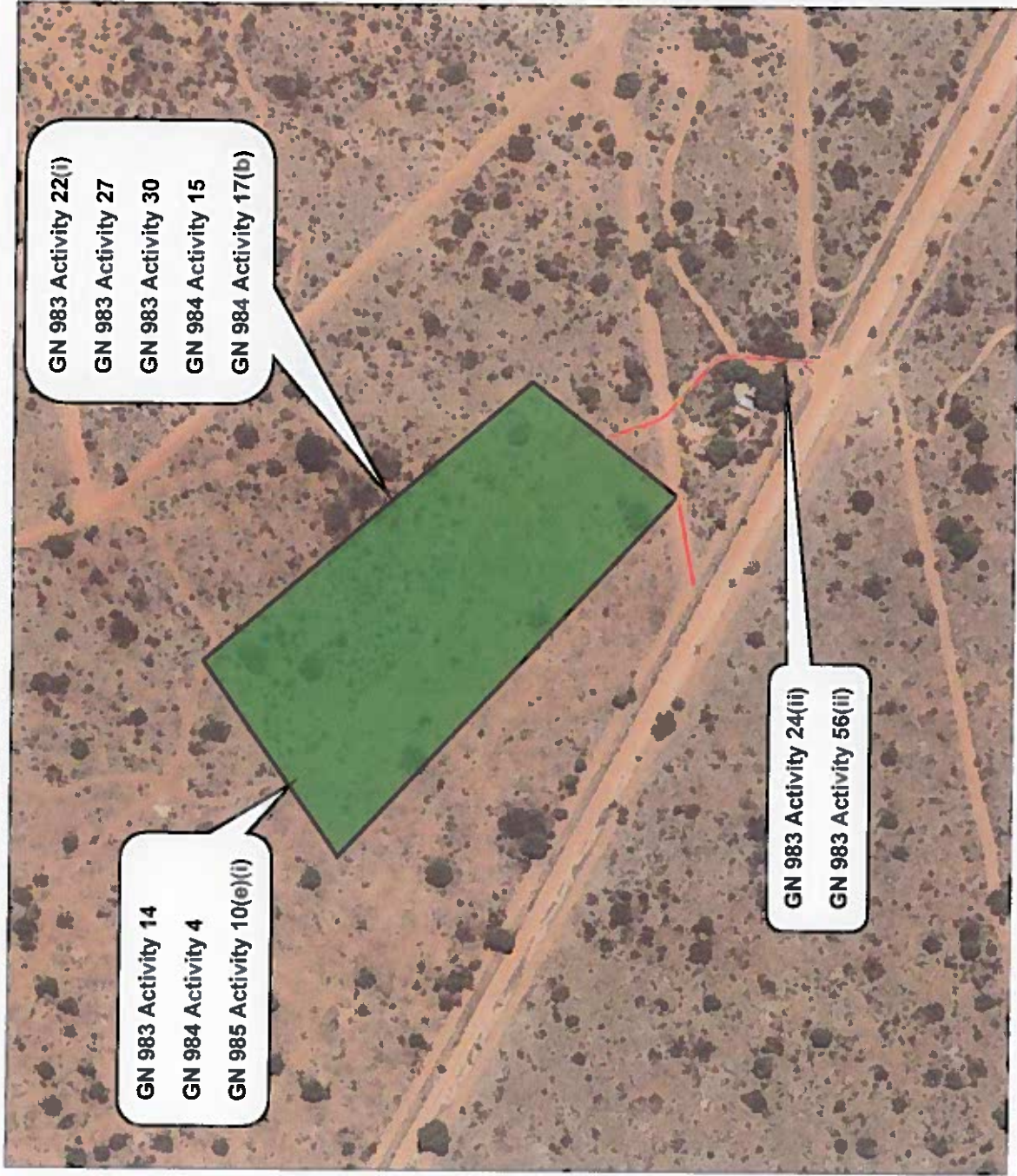
BP 50



Access Road



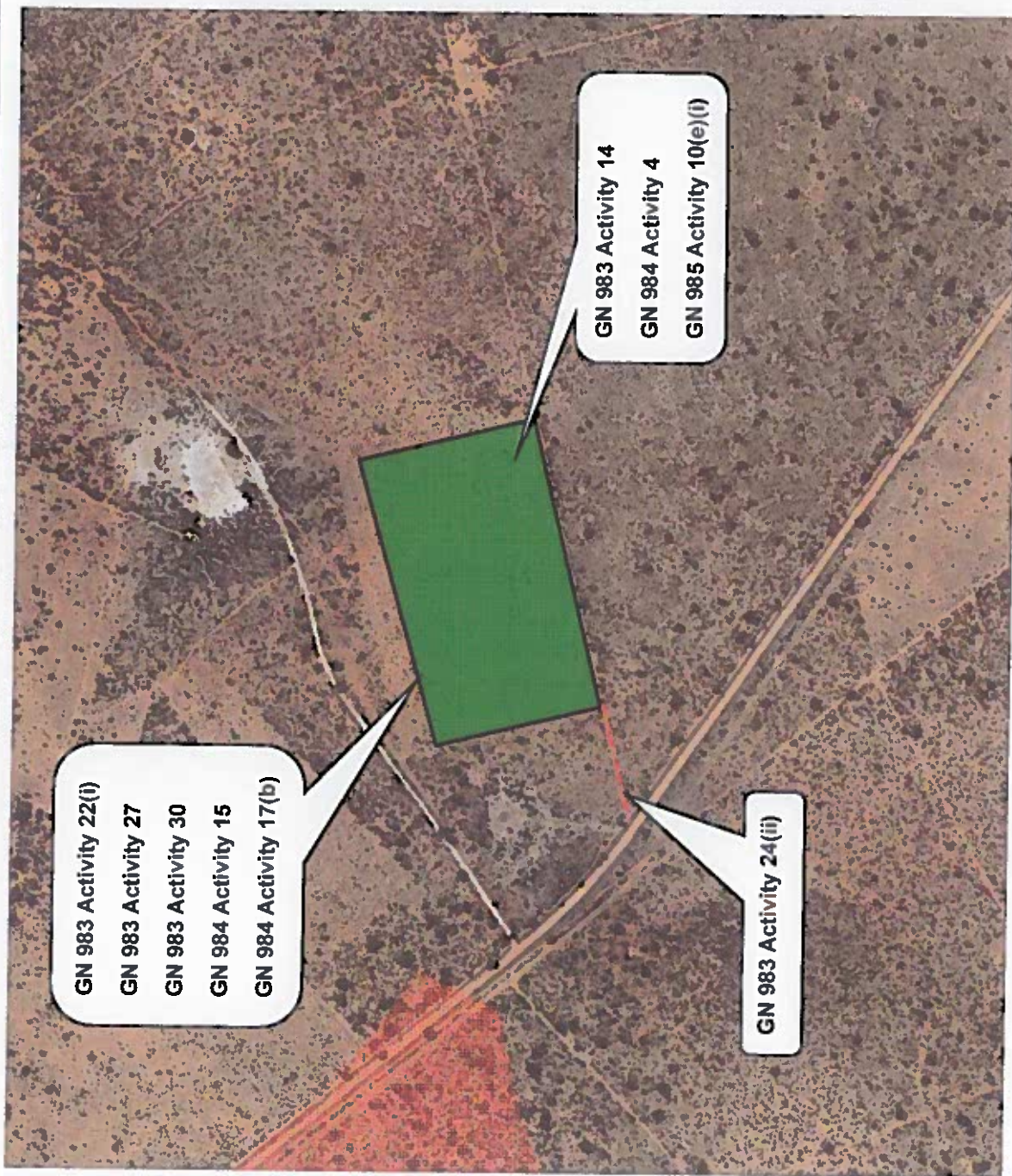
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**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

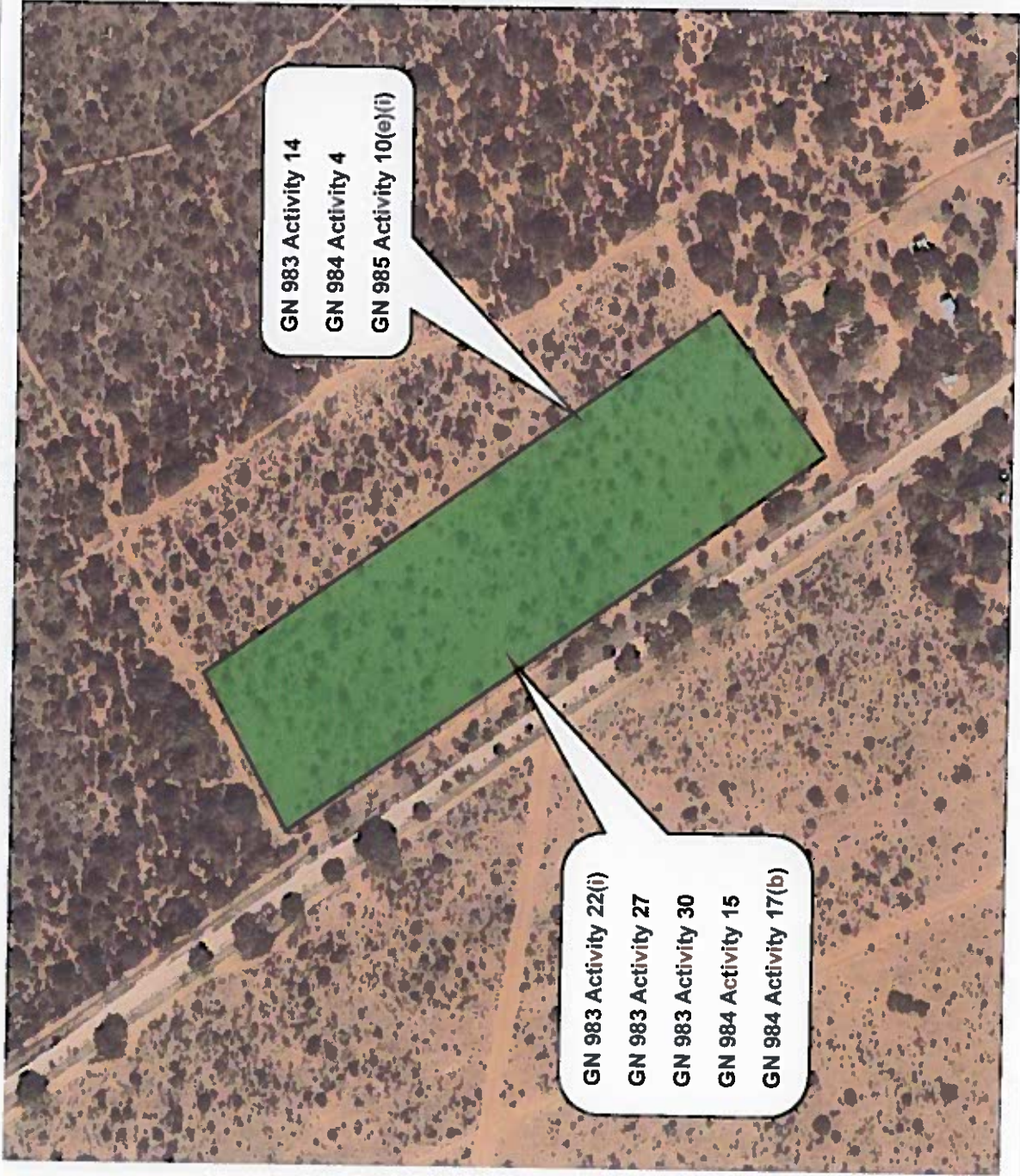
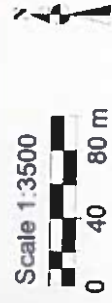
- Legend**
- BP 48
 - Access Road
 - CBA
 - Critical Biodiversity Area 1





**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

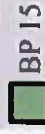
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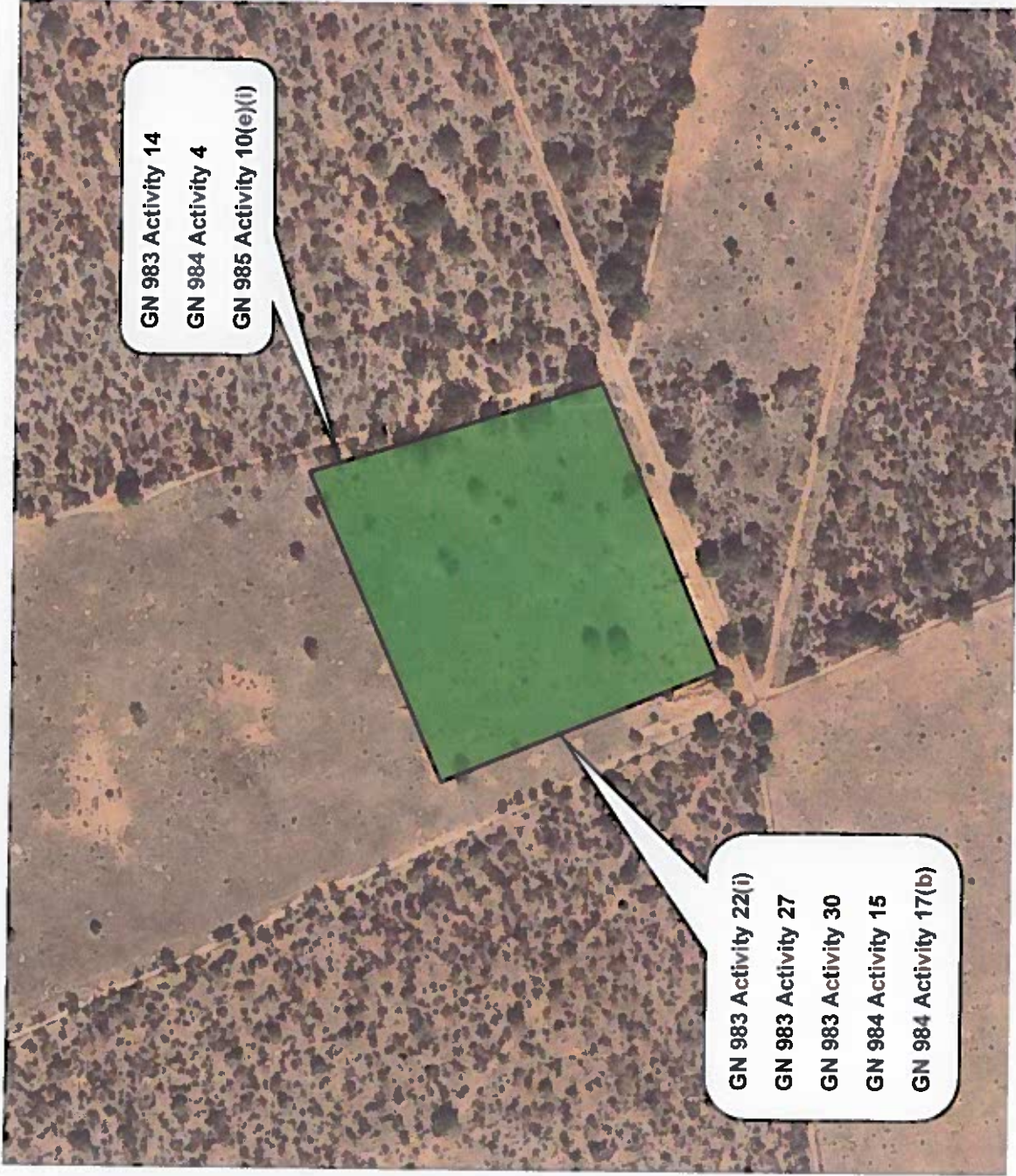


**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

Legend



BP 15



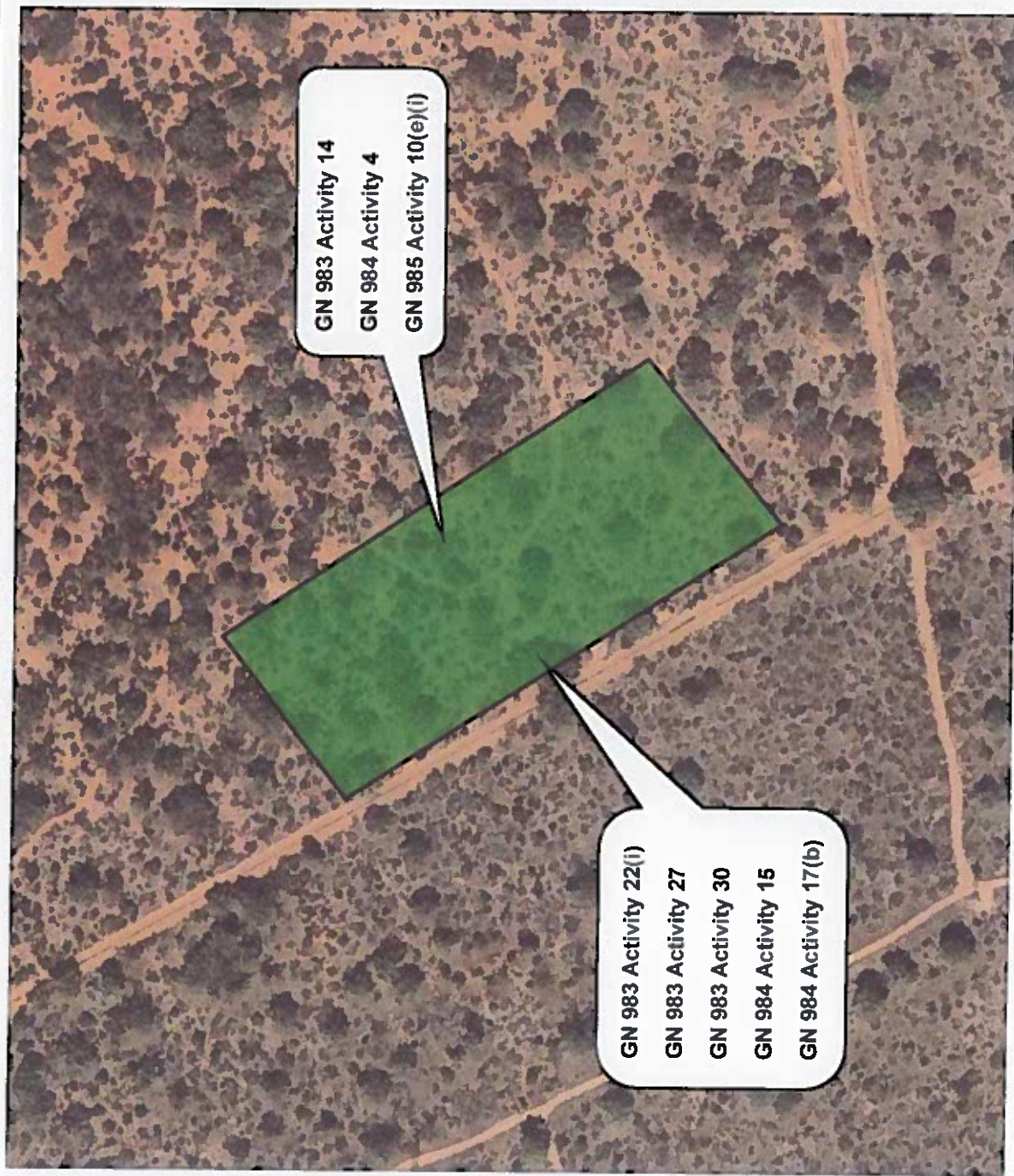


**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

Legend



BP 46



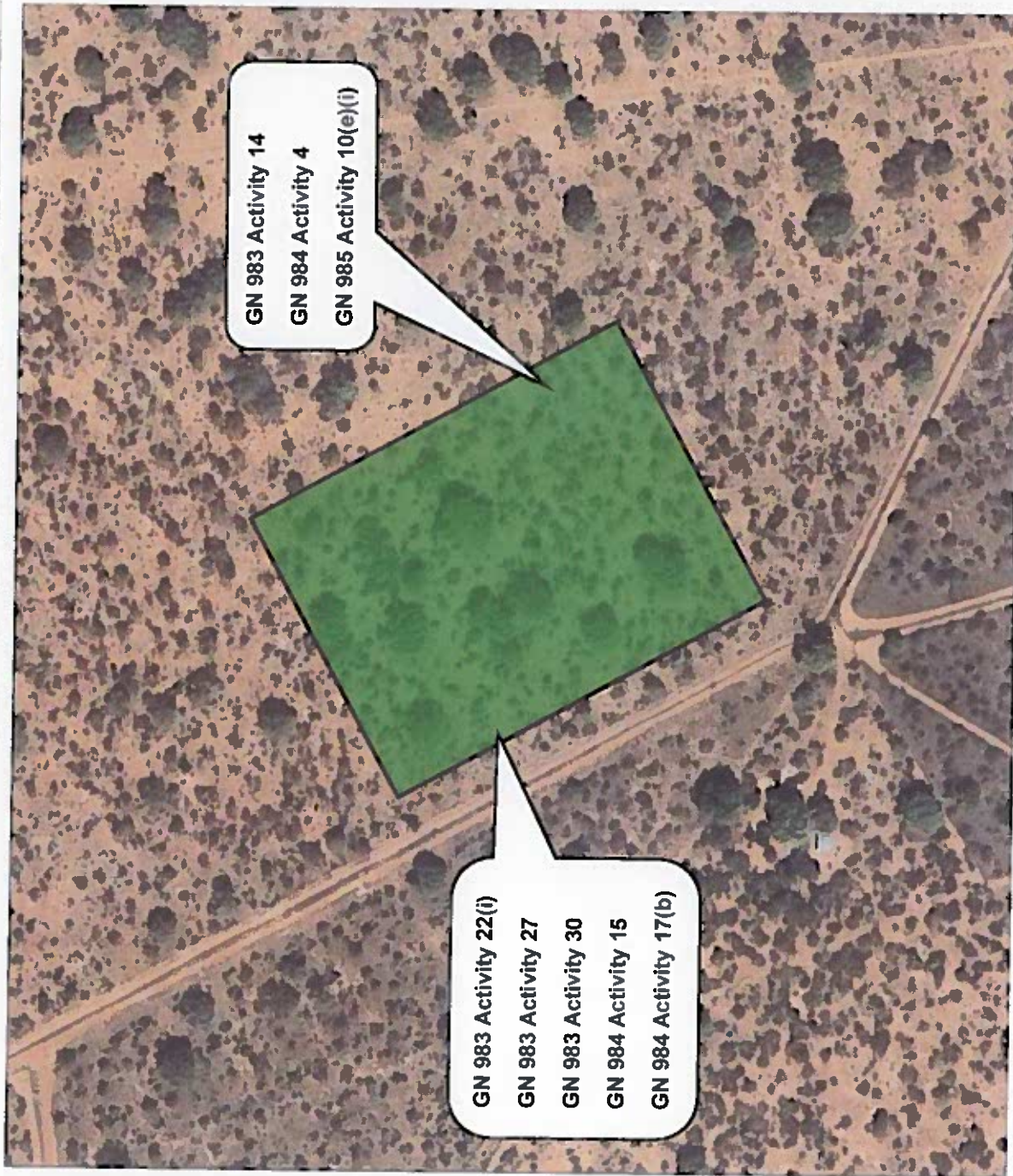


**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

Legend



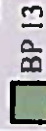
BP 59



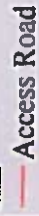


**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

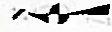
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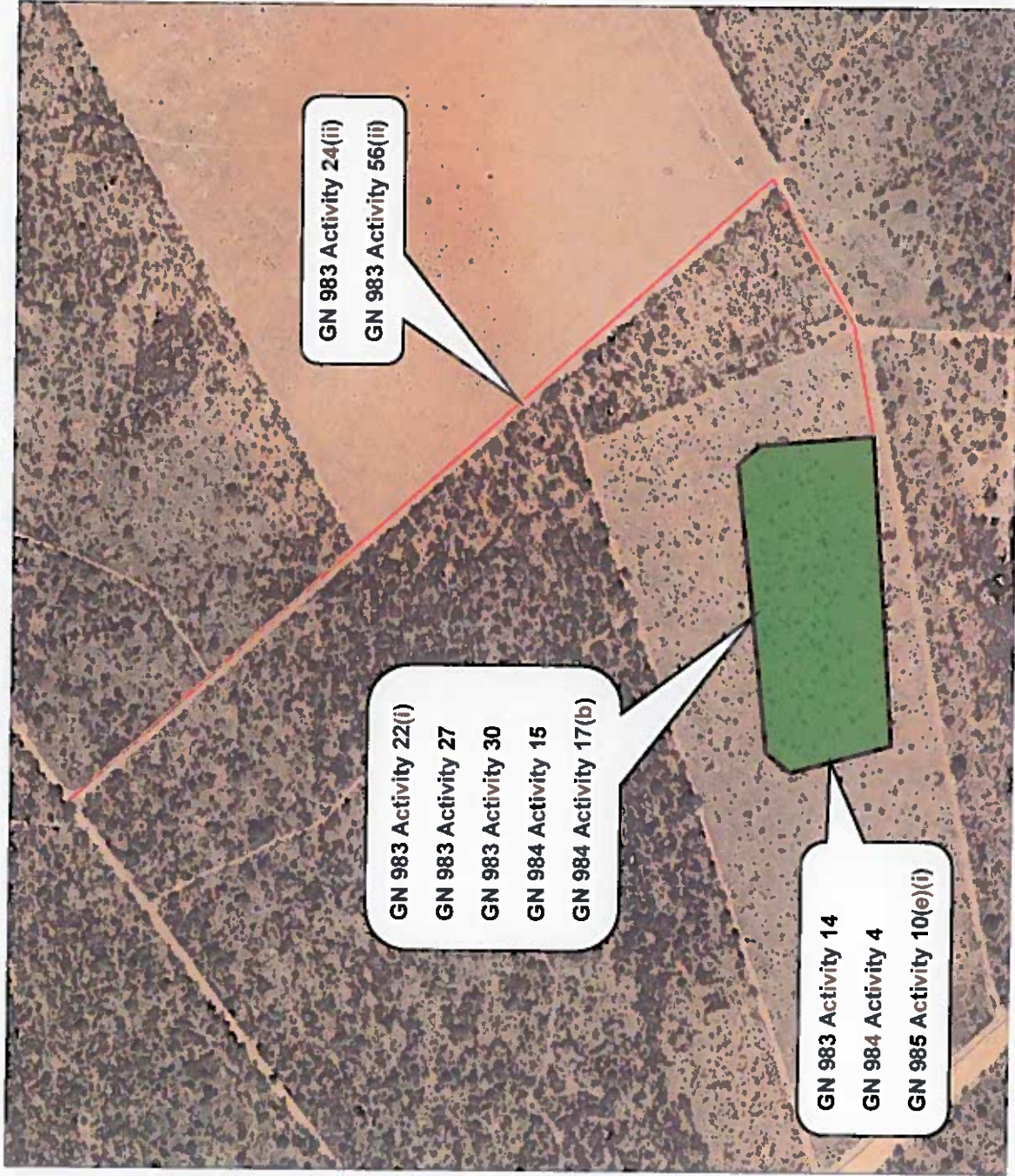
BP 13



Access Road



Scale 1:7500

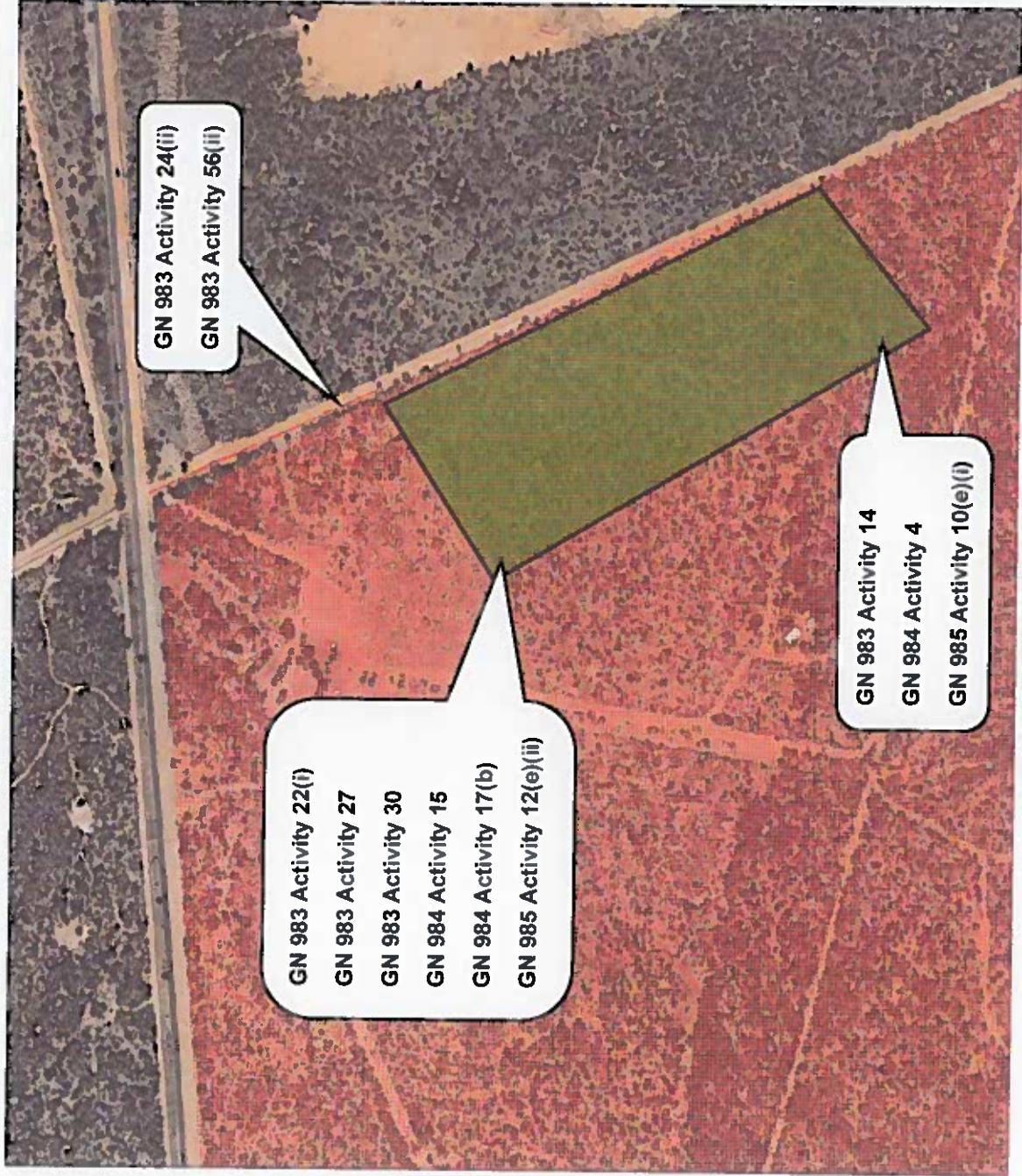




**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

- Legend**
- BP 14
 - Access Road
 - CBA
 - Critical Biodiversity Area I

Scale 1:6000
0 60 120 m





**MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP**

Legend
BP 51

Scale 1:3500
0 40 80 m

APPENDIX 5

PROOF OF SUBMISSION TO OTHER AUTHORISATIONS REQUIRED

Proof will only be provided in the EIA phase for applications submitted in terms of:

- ❖ *The National Water Act (Act No. 36 of 1998).*

Applications in terms of the following pieces of legislation will only be undertaken during the project's design phase (if necessary):

- ❖ *National Environmental Management: Biodiversity Act (Act No. 10 of 2004);*
- ❖ *National Forests Act (Act No. 84 of 1998);*
- ❖ *National Heritage Resources Act (Act No. 85 Of 1993);*

APPENDIX 6

DIRECTLY AFFECTED PROPERTIES

BP SS1

Farm Name	HANOVER
Farm Number and Registration Division	341 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	Remainder of 341
Farm Subdivision number	RE/341
SG 21-digit code	T0KQ00000000034100000

Farm Name	MOOIVALEI
Farm Number and Registration Division	342 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	Remainder of 342
Farm Subdivision number	RE/342
SG 21-digit code	T0KQ00000000034200000

BP 25

Farm Name	MECKLENBURG
Farm Number and Registration Division	310 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	Remainder of Portion 1
Farm Subdivision number	RE/1/310
SG 21-digit code	T0KQ00000000031000001

BP 30

Farm Name	KAROOBULT
Farm Number and Registration Division	126 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	-
Farm Subdivision number	-
SG 21-digit code	T0KQ00000000012600000

BP 35

Farm Name	LEEUEWBOSSCH
Farm Number and Registration Division	129 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	Remainder of Portion 1
Farm Subdivision number	RE/1/129
SG 21-digit code	T0KQ00000000012900001

BP 28

Farm Name	TARANTAALPAN
Farm Number and Registration Division	132 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	Remainder of 132
Farm Subdivision number	RE/132
SG 21-digit code	T0KQ00000000013200000

BP 33

Farm Name	RUIGTEVLEY
Farm Number and Registration Division	97 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	Portion 5 of 97
Farm Subdivision number	5/97
SG 21-digit code	T0KQ00000000009700005

BP 41

Farm Name	GROENRIVIER
Farm Number and Registration Division	95 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	Remainder of Portion 37
Farm Subdivision number	RE/37/95
SG 21-digit code	T0KQ00000000009500037

Farm Name	MATSULAN
Farm Number and Registration Division	98 KQ
Magisterial District	909
Farm Subdivision name	
Farm Subdivision number	RE/98
SG 21-digit code	T0KQ00000000009800000

Farm Name	KALABASPAN
Farm Number and Registration Division	92 KQ
Magisterial District	909
Farm Subdivision name	Portion 1
Farm Subdivision number	1/92
SG 21-digit code	T0KQ00000000009200001

BP 38

Farm Name	HARLEM OOST
Farm Number and Registration Division	51 KQ
Magisterial District	Thabazimbi
Farm Subdivision name	PORTION 16
Farm Subdivision number	16/51
SG 21-digit code	T0KQ00000000005100016

BP 39

Farm Name	RIETFontein
Farm Number and Registration Division	15 KQ
Magisterial District	Lephalale
Farm Subdivision name	REMAINDER
Farm Subdivision number	RE/15
SG 21-digit code	T0KQ00000000001500000

Farm Name	SCHOONWATER
Farm Number and Registration Division	14 KQ
Magisterial District	Lephalale
Farm Subdivision name	PORTION 1
Farm Subdivision number	1/14
SG 21-digit code	T0KQ00000000001400000

BP 42

Farm Name	INKERMANN
Farm Number and Registration Division	819 KQ
Magisterial District	Lephalale
Farm Subdivision name	REMAINDER
Farm Subdivision number	RE/819
SG 21-digit code	T0KQ000000000081900000

BP 44

Farm Name	DIEPSPRUIT
Farm Number and Registration Division	386 LQ
Magisterial District	Lephalale
Farm Subdivision name	-
Farm Subdivision number	-
SG 21-digit code	T0LQ000000000038600000

BP 43

Farm Name	ZANDFONTEIN
Farm Number and Registration Division	382 LQ
Magisterial District	Lephalale
Farm Subdivision name	PORTION 2
Farm Subdivision number	2/382
SG 21-digit code	T0LQ00000000038200002

BP 53

Farm Name	ROOIPAN
Farm Number and Registration Division	357 LQ
Magisterial District	Lephalale
Farm Subdivision name	PORTION 4
Farm Subdivision number	4/357
SG 21-digit code	T0LQ00000000035700004

BP 52

Farm Name	GROOTLAAGTE
Farm Number and Registration Division	354 LQ
Magisterial District	Lephalale
Farm Subdivision name	REMAINDER
Farm Subdivision number	RE/354
SG 21-digit code	T0LQ00000000035400000

BP 50

Farm Name	LELIEFONTEIN
Farm Number and Registration Division	672 LQ
Magisterial District	Lephalale
Farm Subdivision name	PORTION 1
Farm Subdivision number	1/672
SG 21-digit code	T0LQ00000000067200001

BP 48

Farm Name	ZANDHEUVEL
Farm Number and Registration Division	356 LQ
Magisterial District	Lephalale
Farm Subdivision name	PORTION 1
Farm Subdivision number	1/356
SG 21-digit code	T0LQ00000000035600001

Farm Name	ZANDHEUVEL
Farm Number and Registration Division	356 LQ
Magisterial District	Lephalale
Farm Subdivision name	REMAINDER
Farm Subdivision number	RE/356
SG 21-digit code	T0LQ00000000035600000

BP 49

Farm Name	SCHULDPADFONTEIN
Farm Number and Registration Division	328 LQ
Magisterial District	Lephalale
Farm Subdivision name	REMAINDER
Farm Subdivision number	RE/328
SG 21-digit code	T0LQ00000000032800000

BP 15

Farm Name	VANGPAN
Farm Number and Registration Division	294 LQ
Magisterial District	Lephalale
Farm Subdivision name	PORTION 1
Farm Subdivision number	1/294
SG 21-digit code	T0LQ00000000029400001

BP 46

Farm Name	ZANDBULT
Farm Number and Registration Division	300 LQ
Magisterial District	Lephalale
Farm Subdivision name	-
Farm Subdivision number	-
SG 21-digit code	T0LQ00000000030000000

BP 59

Farm Name	PONTES ESTATES
Farm Number and Registration Division	712 LQ
Magisterial District	Lephalale
Farm Subdivision name	-
Farm Subdivision number	-
SG 21-digit code	T0LQ00000000071200000

BP 13

Farm Name	PONTES ESTATES
Farm Number and Registration Division	744 LQ
Magisterial District	Lephalale
Farm Subdivision name	-
Farm Subdivision number	-
SG 21-digit code	T0LQ00000000074400000

BP 14

Farm Name	VERGULDE HELM
Farm Number and Registration Division	321 LQ
Magisterial District	Lephalale
Farm Subdivision name	-
Farm Subdivision number	-
SG 21-digit code	T0LQ00000000032100000

BP 51

Farm Name	NAAUW ONTKOMEN
Farm Number and Registration Division	509 LQ
Magisterial District	Lephalale
Farm Subdivision name	-
Farm Subdivision number	-
SG 21-digit code	T0LQ00000000050900000

APPENDIX 7

NOTIFICATION OF INTERESTED AND AFFECTED PARTIES

EMAILS TO LANDOWNERS

From: Dorahien Henning

To: Dorahien Henning

Cc: Dorahien Henning

Bcc: Dorahien Henning

Subject: 10580 - MCVAP-2 EA - Landowner Notification - Grondseiner Kennisgewing

Message: 10580 - 20160516 - Algemeen Kennisgewingsplan MCVAP-2.pdf

10580 - 20160516 - General Landowner Notification MCVAP-2.pdf

10580 - 20160516 - MCVAP-2 AID.pdf

10580 - 20160513 - Terugvoetsingnota.docx

NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014), in terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Herdie kennisgewing word gegee kragtens die volgende:

- Die Omgevingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Dorahien Henning

To: Dorahien Henning

Cc: Dorahien Henning

Bcc: Dorahien Henning

Subject: 10580 - MCVAP-2 EA - Landowner Notification - Grondseiner Kennisgewing

Message: 10580 - 20160516 - Algemeen Kennisgewingsplan MCVAP-2.pdf

10580 - 20160516 - General Landowner Notification MCVAP-2.pdf

10580 - 20160513 - MCVAP-2 AID.pdf

10580 - 20160513 - Terugvoetsingnota.docx

NOTICE OF ENVIRONMENTAL ASSESSMENT

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- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

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WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

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From: Dorahien Henning

To: Dorahien Henning

Cc: Dorahien Henning

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Subject: 10580 - MCVAP-2 EA - Landowner Notification - Grondseiner Kennisgewing

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10580 - 20160516 - General Landowner Notification MCVAP-2.pdf

10580 - 20160513 - MCVAP-2 AID.pdf

10580 - 20160513 - Terugvoetsingnota.docx

NOTICE OF ENVIRONMENTAL ASSESSMENT

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- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Herdie kennisgewing word gegee kragtens die volgende:

- Die Omgevingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

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PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2013). In terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLINGSPROJEK (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

- Die Omgevingsimpakbeoordelingsregulaties (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgevingsbeheer (Wet 107 van 1998), en
- Die Nasionale Waterwet (Wet 36 van 1998).

6672 04240 SLA 2-07/ACW 11509162 - 08501

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014), in terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLINGS-PROJEK (MKKWAP)-
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

- Die Omgevingsimpactbeoordelingswet (Staatskringsgewing Nr. R. 982 van 4 Desember 2014) kragtens die Wet op Nasionale Omgevingsbeheer (Wet 107 van 1998); en

Ref T OUNO SUMA Z DAWACHT - ITSOPTIC - CDSOI -
- 10580 - 20160511 - MACWAP-7 WTS ORINO I JOG

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

• The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014), in terms of the National Environmental Management Act (Act No. 107 of 1998); and

• The National Water Act (Act No. 36 of 1998).

**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULTINGSPROJEK (MIKWAPI):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

De Omgevingsimpactbeoordelingsregulaties (Staatskruidgewing Nr. R. 882 van 4 Desember 2014), kräftens die Wiet op Nasionale Omgevingsbestuur (Wet 107 van 1998) en Die Nasionale Waterwet (Wet 36 van 2006)

From: Dorcas Herring
To: Dorcas Herring
Cc: Dorcas Herring
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondseker kennisgewing

10580 - MCWAP-2 EIA - Landowner Notification / Grondseker kennisgewing
10580 - 20160516 - Agreement Kennisgewingsbrief MCWAP-2.pdf
10580 - 20160516 - General Landowner Notification MCWAP-2.pdf
10580 - 20160513 - MCWAP-2 AID.PDF
10580 - 20160513 - Terugvoetspasm.docx

NOTICE OF ENVIRONMENTAL ASSESSMENT

**PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY**

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- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

Sent: Tue 17 05 2016 09:00:34

From: Dorcas Herring
To: Dorcas Herring
Cc: Dorcas Herring
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondseker kennisgewing

10580 - MCWAP-2 EIA - Landowner Notification / Grondseker kennisgewing
10580 - 20160516 - Agreement Kennisgewingsbrief MCWAP-2.pdf
10580 - 20160516 - General Landowner Notification MCWAP-2.pdf
10580 - 20160513 - MCWAP-2 AID.PDF
10580 - 20160513 - Terugvoetspasm.docx

NOTICE OF ENVIRONMENTAL ASSESSMENT

**PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY**

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- The National Water Act (Act No. 36 of 1998).

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**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

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- Die Nasionale Waterwet (Wet 36 van 1998).

Sent: Tue 17 05 2016 03:25:14

From: Dorcas Herring
To: Dorcas Herring
Cc: Dorcas Herring
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondseker kennisgewing

10580 - MCWAP-2 EIA - Landowner Notification / Grondseker kennisgewing
10580 - 20160516 - Agreement Kennisgewingsbrief MCWAP-2.pdf
10580 - 20160516 - General Landowner Notification MCWAP-2.pdf
10580 - 20160513 - MCWAP-2 AID.PDF
10580 - 20160513 - Terugvoetspasm.docx

NOTICE OF ENVIRONMENTAL ASSESSMENT

**PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY**

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- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

Sent: Tue 17 05 2016 03:47:14

From: Donar van Herwing
To: hannes.burton.co.za
Cc: 10580 - MCWAP-2 EIA - Landowner Notification / Grondseer kennisgewing
Subject: 10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf
Message 10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

Sent: Wed 18 05 2016 10:07:44

10580 - 20160516 - General Landowner Notification MCWAP-2.pdf
10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

NOTICE OF ENVIRONMENTAL ASSESSMENT

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KENNISGEWING VAN OMGEWINGSBEPALING

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLENGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

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- Die Omgevingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donar van Herwing
To: josh@guilfordonline.co.za
Cc: 10580 - MCWAP-2 EIA - Landowner Notification / Grondseer kennisgewing
Subject: 10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf
Message 10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

Sent: Wed 18 05 2016 11:34:44

10580 - 20160516 - General Landowner Notification MCWAP-2.pdf
10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
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- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLENGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgevingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donar van Herwing
To: wab@esri.com
Cc: 10580 - MCWAP-2 EIA - Landowner Notification / Grondseer kennisgewing
Subject: 10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf
Message 10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

Sent: Wed 18 05 2016 09:33:34

10580 - 20160516 - General Landowner Notification MCWAP-2.pdf
10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

10580 - 20160516 - Algemeen Kennisgevingsblad MCWAP-2.pdf

NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
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KENNISGEWING VAN OMGEWINGSBEPALING

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLENGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Doran van Herwing
To: doranv@gratibodeel.co.za
Cc: 10580 - MCWAP-2 EA - Landowner Notification / Grondseer kennisgewing
Subject: 10580 - 20160516 - Algemeen kennisgewingsbrief MCWAP-2.pdf
Message 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf

10580 - 20160513 - Terugvoeringpromag.docx
10580 - 20160511 - MCWAP-2 WTS Opho 6.jpg

NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
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KENNISGEWING VAN OMGEWINGSBEPALING

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- Die Omgewingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. 982 van 4 Desember 2014); kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Doran van Herwing
To: doranv@gratibodeel.co.za
Cc: 10580 - MCWAP-2 EA - Landowner Notification / Grondseer kennisgewing
Subject: 10580 - 20160516 - Algemeen kennisgewingsbrief MCWAP-2.pdf
Message 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf

10580 - 20160513 - Terugvoeringpromag.docx
10580 - 20160511 - MCWAP-2 WTS Opho 1.jpg

NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014);
- In terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. 982 van 4 Desember 2014); kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Doran van Herwing
To: doranv@gratibodeel.co.za
Cc: 10580 - MCWAP-2 EA - Landowner Notification / Grondseer kennisgewing
Subject: 10580 - 20160516 - Algemeen kennisgewingsbrief MCWAP-2.pdf
Message 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf

10580 - 20160513 - Terugvoeringpromag.docx
10580 - 20160511 - MCWAP-2 WTS Opho 6.jpg

NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014);
- In terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. 982 van 4 Desember 2014); kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Corinna Hering
To: Thomas G. Gansel, Co. 10
Cc: [redacted]
Subject: F#: 19500 - AICWAP-2, EU - Landwehr Mobilisation / Grenzschutz Fernleitung
Message: 19500 - 20160916 - Argumente Ernährungsbedarf AICWAP-2.pdf
19500 - 20160513 - AICWAP-2 AD PDF

From: Donawan Henning
Sent: 16 May 2016 02:22 PM
Subject: 10590 - MCWP-2 EIA - Landowner Notification / Granddemeaner Kennisgeving

NOTICE OF ENVIRONMENTAL ASSESSMENT
PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2016), in terms of the National Environmental Management Act (Act No. 107 of 1998), and
- The National Water Act (Act No. 36 of 1998).

**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULUNGSPROJECT (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

Die Kennzeichnung wird gerne kryptisch die folgende:

- Die Omgevingsimpactbeoordelingsregulaties (Staatskenningsgewing Nr. R. 902 van 4 Desember 2016), kragtens die Wet op Nasionale Omgewingsbeheer (Wet 107 van 1998); en
Die Nasionale Waterwet (Wet 36 van 1998).

Post:	Donatien Herring	Subject:	FW: 10580 - INCVAP-2 CIA - Landowner Notification - Grandexternal Lemnigweg
Re:	Transac 201@gmail.com	Message:	10580 - 20160916 - Allgemeine Ermittlungspflicht INCVAP-2.pdf
C:			10580 - 20160913 - INCVAP-2 AND PDF

Goede dag

Ik het u e-pos adres by Mev. van der Walt gekry.

erwys asseblief na die aangehegte inligting aangaande die beoogde Mokolo En Krokodil Vies Wateraanvullingsprojek.

Groete
Donovan Henning

Internal Consulting
Tel: (011) 781 1730
Fax: (011) 781 1731
Mobile: 082 891 0604
Email: dongvanh@nemo1.co.za
Address: 147 Brum Fischer Drive Ferndale, 2194
Postal Address: PO Box 1673, Sunningdale, 2157



From: Doornan Henning
Sent: 16 May 2016 02:22 PM
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondteenaar Kennisgeving

NOTICE OF ENVIRONMENTAL ASSESSMENT
PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014), in terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

**KENNISGEWING VAN OMGEWINGSBEPALING
VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLINGSPROJEK (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

De die kennisgeving word gegee krans die volgende:

- De Omgevingsimpactbeoordelingsregulaties (Staatsdiensgereguleering Nr. R. 982 van 4 Desember 2014), brenghens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
Die Nasionale Waterwet (Wet 36 van 1998).

PROOF OF SITE NOTICES

	Coordinates	Location Description	Photo Reference Numbers
1.	24°36'7.65"S; 27°19'58.49"E	Mooivalei Road (D1649)	1A
2.	24°37'18.21"S; 27°18'45.99"E	Mooivalei Road (D1649)	2A
3.	24°35'51.98"S; 27°19'43.04"E	Mooivalei Road (D1649)	3A
4.	24°35'21.32"S; 27°18'59.68"E	Mooivalei Road (D1649)	4A
5.	24°31'38.35"S; 27°16'29.10"E	Paarl (3677)	5A
6.	24°25'30.09"S; 27°24'24.21"E	Leeubosch (R510)	6A
7.	24°24'24.78"S; 27°24'2.54"E	Tarantaalpan (R510)	7A
8.	24°18'53.64"S; 27°23'13.76"E	Honingvley (R510)	8A
9.	24°17'28.15"S; 27°26'58.49"E	Witklip (R510)	9A
10.	24°10'50.43"S; 27°26'35.24"E	Steenbokpan Road	10A
11.	24° 5'51.23"S; 27°24'21.01"E	Steenbokpan Road	11A
12.	23°58'26.90"S; 27°23'15.37"E	Steenbokpan Road	12A
13.	23°53'39.09"S; 27°24'13.66"E	Steenbokpan Road	13A
14.	23°52'24.00"S; 27°23'24.82"E	Steenbokpan Road	14A
15.	23°50'6.65"S; 27°25'4.04"E	Steenbokpan Road	15A
16.	23°48'12.71"S; 27°20'18.09"E	Steenbokpan Road	16A
17.	23°43'18.06"S; 27°16'40.88"E	Theunispan	17A
18.	23°42'37.67"S; 27°16'26.06"E	Steenbokpan Winkel	18A
19.	23°40'19.68"S; 27°44'29.83"E	Agri-SA Ellisras	19A
20.	24°35'49.00"S; 27°24'25.77"E	Thabazimbi Library	20A
21.	24°35'20.75" S, 27°24'34.64" E	Thabazimbi Municipal Offices	21A
22.	24°53'0.44"S; 27°31'32.77"E	Koedoeskop Shop & Post office	22A
23.	24°15'35.65"S; 27°19'37.24"E	Sentrum Agricultural Union Auctioning Kraals	23A



1A



2A

Photo Ref.
No.



3A



4A

Photo Ref.
No.



Photo Ref.
No.

5A

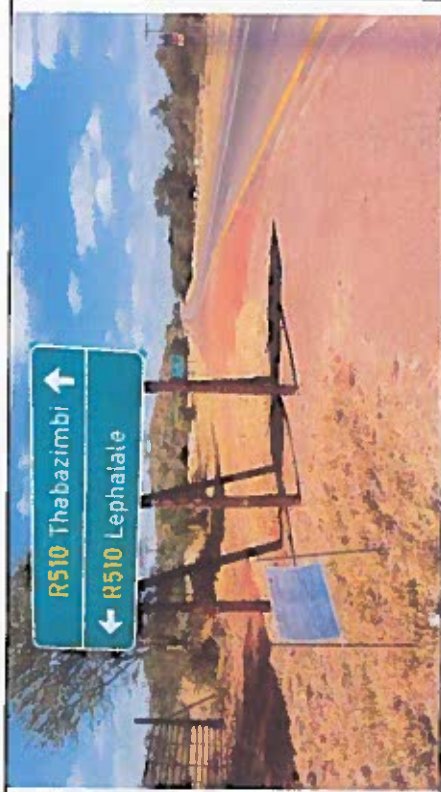


6A

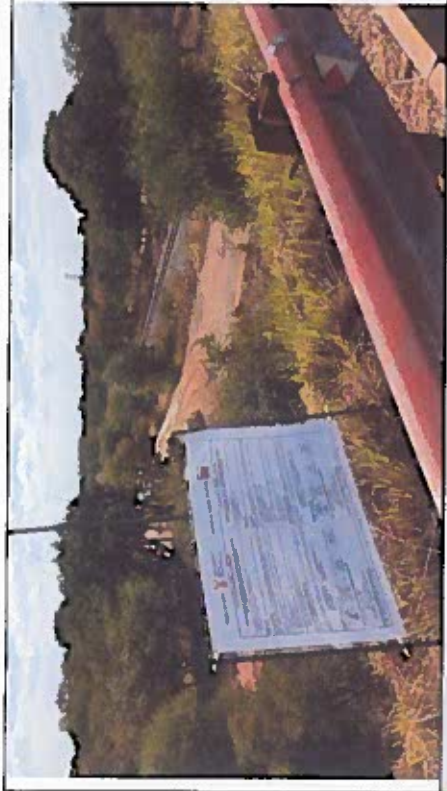


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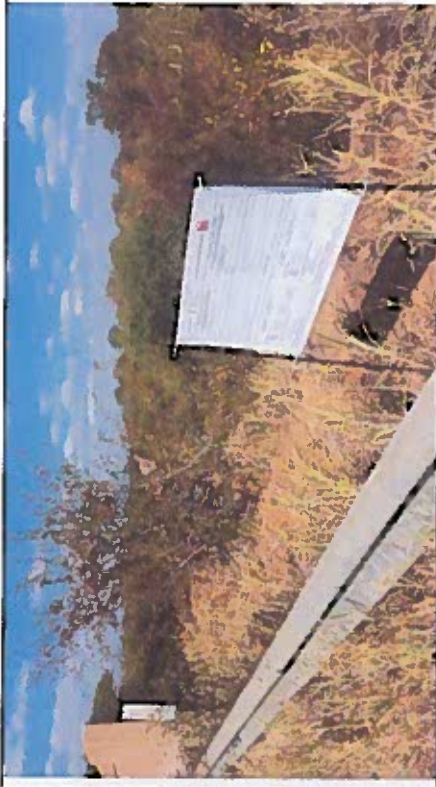


8A



9A

Photo Ref.
No.



10A



11A

Photo Ref.
No.



12A

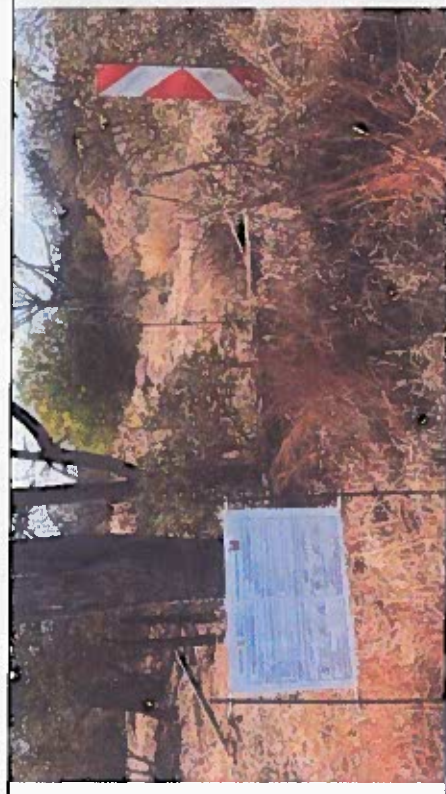


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No.

13A



14A



Photo Ref.
No.

15A



16A



Photo Ref.
No.

17A



18A



Photo Ref.
No.

19A



20A



Photo Ref.
No.

21A



22A



Photo Ref. No.

23A

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NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2 WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. 444) of 4 December 2014 in terms of the National Environmental Management Act (Act No. 107 of 1998) and
- The National Water Act (Act No. 36 of 1956)

PROJECT TITLE:
Proposed Mokolo Crocodile (West) Water Augmentation Project Phase 2 Water Transfer Infrastructure & Bulk Power Supply

PROJECT LOCATION:
Water transfer will take place in the Mokolo area and will involve the construction and installation of infrastructure including a long-distance water transfer main and a high lift pump station in the Mokolo area.

PROJECT DESCRIPTION:
The proposed bulk power supply to the site will consist of the following infrastructure items:

- 110kV power line running in the Mokolo area
- A substation with a capacity of approximately 100MVA

PROJECT LOCATION FOR PUBLIC CONSULTATION:
The proposed bulk power supply to the site will consist of the following infrastructure items:

- 110kV power line running in the Mokolo area
- A substation with a capacity of approximately 100MVA

The proposed bulk power supply to the site will consist of the following infrastructure items:

- 110kV power line running in the Mokolo area
- A substation with a capacity of approximately 100MVA

PUBLIC MEETING:
The following public meeting will be held to discuss the proposed project:

Project Title	Project Location	Project Description
Water Transfer Infrastructure	Mokolo	Water Transfer Infrastructure
Bulk Power Supply	Mokolo	Bulk Power Supply

CONTACT INFORMATION:
Contact Person: [Name]
Tel: [Phone Number]
Fax: [Fax Number]
Email: [Email Address]
Physical Address: [Address]
Project Website: [Website]

COMMISSION AS AN ENVIRONMENTAL ASSESSMENT PRACTITIONER:
In terms of the Environmental Assessment Act (Act No. 107 of 1998) and the National Water Act (Act No. 36 of 1956), the Commission has been appointed as an Environmental Assessment Practitioner for the proposed project.

Mogol parkrun

Portus Maderung and Ocean Segrate

The top three students are also awarded for performing exceptionally well nationally in their theoretical and practical areas. One of the three students (the 2nd position) was awarded to Mrs. Purnima Madhaling from Lepidolite and the 1st position was awarded to Mr. Ocean Gergeeth from Shanablog making the Lepidolite province shine with two of the overall national awards coming from the province. The awards were attended by the CEO of the National Tertiary Education Corporation (Mr. Veni Varu) and the Campus Manager of Lepidolite TVEI College Mr. Ravi Var Jayaraj and Local officials led by Mr. Jom Alstrome, Acting Director of Sector Development, proving that the partnership between the NITEP and the Lepidolite province is yielding results in the lives of these young and vibrant students.

When MONJIA (WSV5-79) (Unattached) was fired over the line on 20 34, it has been first to finish on this previous occasions.
 Current standing in the Men's annual point competition:
 Andre DU TOIT (Unattached) 3 737 pts
 Dion MCISFE (Unattached) 3 724 pts
 Andre STEVEN (Unattached) 3 509 pts
 Female placings:
 Margareta MARCIA (VSV35-39) (Unattached) was fired (1st overall) over the line on 25 13.
 5th time in 11 appearances.
 Naima RUTHEGE (SVW30-34) of Fitom Athletic Club (Lesopo), was second (30th overall) over the line on 20 47.
 Linda TAAIT (WSV50-54) (Unattached) was third (32nd overall) over the line on 20 23.
 was first to finish since before.
 Current standing in the Women's

The Age Grade course record is held by Caleb KHOUMOLO who ran in a time of 01:12:36 on 10-11-18 (event number 18).

Saturday's full results and a complete event history can be found on the [Hogel Publishing Results Page](#).

**VOORGESTELDE MOELO EN KROKODIL (WED.) WATERAANVULLINGSPROJEK IN KUYAPI
WATERDOORDRAAG KEYA EN GROOTMAAT-KRAGVOORSIENING**

Ten ante te verset dā u gersgafren wōd an n halanghbernde en Gēstfearde Party, eass assēet u dām lantsbesonderhede en belange in dē pōpē an bogensende egnisepsoen: tom 24 Junij 2016

The Integrated Strategic Management Approach was adopted by Cabinet in August 2014, which saw the Security Cluster implementing a multi-disciplinary multi-sectoral intervention to protect rhino in South Africa.

Martha Deleens van Zjt. Susanna Ecaard en Flans (weyng was atmal genootster dous der Ganspersen) vrede Bern, in speculac demeritische dous Helms Meyer emperen van der Persoonlied van der Jaar, Sijts Steenamp Kurelender van der Jaar, en Mich Veidmer, soock Skryver van der Jaar, Kants Gwert.

"Dit is en vriede en ruwe strag van der Jaar, en vriede en pre-tan
tek der Jongste heyligens en vriede en inderste heyligens en vriede"
en Flans Flans

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NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2: WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environment of Impact Assessment (EIA) Regulations (Government Notice No. R. 927 of 14 December 2014) in terms of the National Environmental Management Act (Act No. 107 of 1998), and
- The National Water Act (Act No. 36 of 1998).

PROJECT TITLE:

Proposed Mokolo Crocodile (West) Water Augmentation Project Phase 2: Water Transfer Infrastructure & Bulk Power Supply

PROJECT OVERVIEW:

Water transfer and power supply in the Lesotho area is due to existing planned and anticipated developments associated with the Waterberg coalfields. The Department of Water and Sanitation (DWS) commissioned the Mokolo Crocodile (West) Water Augmentation Project (MCWAP) Feasibility Study to investigate the options for providing the aforementioned water requirements.

MCWAP Phase 2 entails a transfer scheme from the Crocodile River (West) at Vloetspoort near Thabazimbi to the Lesotho area (Limpopo Province) via a system consisting of:

- Water abstraction infrastructure, including a banking reservoir, dam, and a high lift pump station & V-eyers (near Thabazimbi);
- Transfer pipeline (approximately 100 km);
- Bulk Power Supply; and
- Operational Agreement; and
- Delivery system, consisting of a gravity pipeline (approximately 10 km) running from the Operational Reservoir to the Lesotho area.

The proposed bulk power supply to the site will consist of the following infrastructure (near Thabazimbi):

- Two 132 kV power lines running in parallel (approximately 4 km each); and
- A substation with a footprint of approximately 100 m x 100 m.

APPLICATION FOR ENVIRONMENTAL AUTHORIZATIONS:

Neema Consulting was appointed by DWS to conduct the EIA for the project in terms of Government Notice No. R. 927 of 14 December 2014. In addition, approval will also be sought from the relevant authorities associated with the project in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

The approach to the EIA entails a Combined Application to the Department of Environmental Affairs (DEA) to seek approval for the project's sub-components in terms of the National Environmental Management Act (Act No. 107 of 1998). This notification pertains to the following components:

MCWAP-2 Components	Environmental Assessment
Water Transfer Infrastructure	Scoping & EIA process
Bulk Power Supply	EIA Assessment process

MCWAP-2 Components	Water Transfer Infrastructure & Bulk Power Supply	Water Transfer Infrastructure	Water Transfer Infrastructure
Date	25 May 2016	26 May 2016	26 May 2016
Area	Thabazimbi	Lesotho	Siemboiqua
Time	09:00 – 13:00	09:00 – 12:30	14:00 – 18:00
Venue	Kumba Bioscope Hall	Mogol Conference Hall	Phasing Community Centre

CONTACT PERSON / ENVIRONMENTAL ASSESSMENT PRACTITIONER:

Contact Person: Donovan Herring / Tel: (011) 781 1730 / Email: (011) 781 1731 / Email: donovan.herring@neema.co.za / Postal Address: PO Box 1473, Sunninghill, 2157

Project website: <http://www.dws.gov.za/projects/mcwap/>

REGISTRATION AS AN INTERESTED AND AFFECTED PARTY:

In order to ensure that you are registered as an interested and affected party, please submit your name, contact information and address in the matter to the contact person above by 24 June 2016.

CS0011/16-00-0000

THE STAR

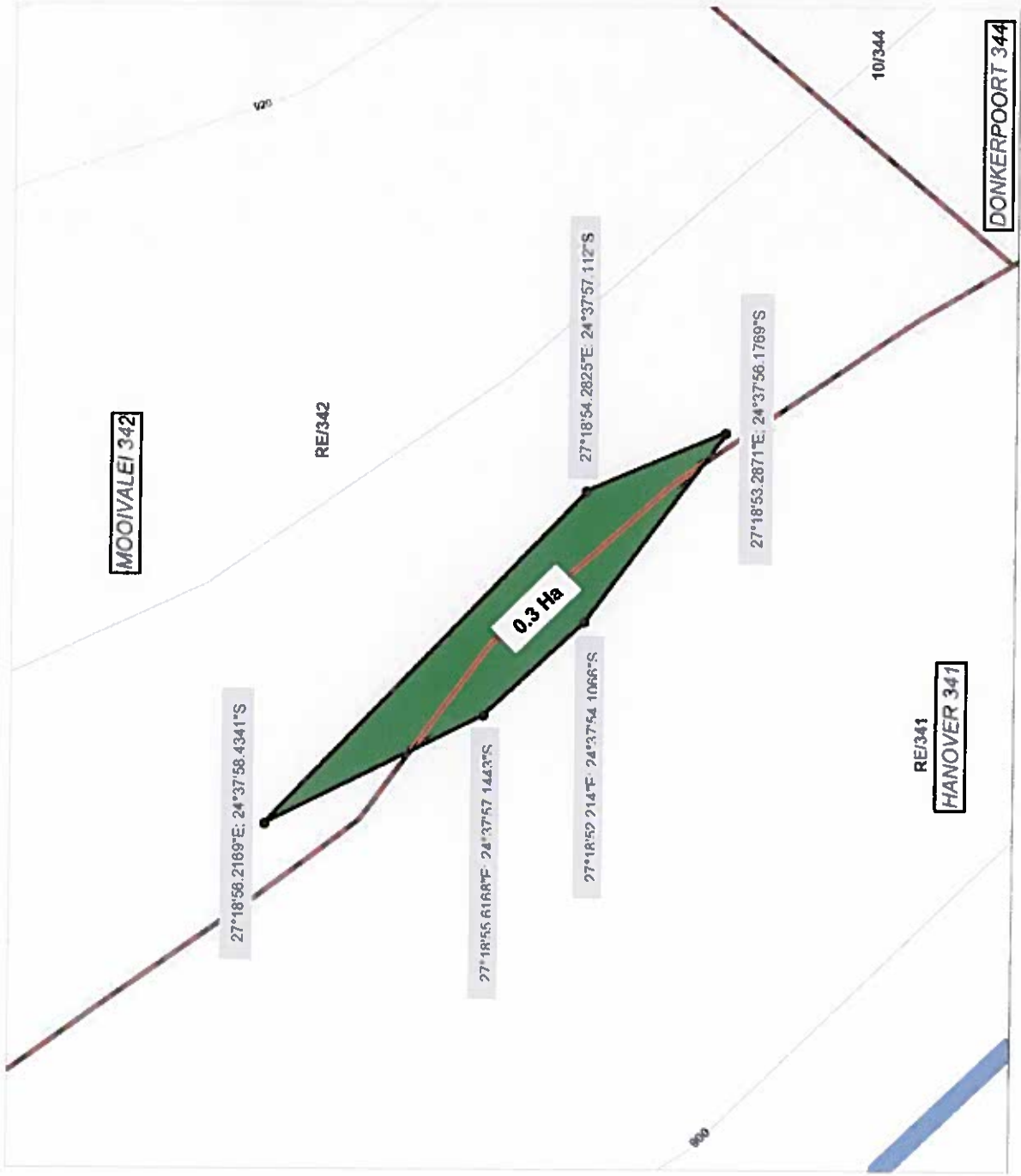
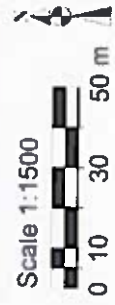
APPENDIX 8

REGULATION 2.2 PLAN



**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

- Legend**
- Structure
 - Power line
 - Secondary road
 - Railway
 - House
 - Servitude areas
 - Property
 - Parent farms
 - Farm portions
 - Contours
 - 20m
 - 100m
 - 500m
 - Project Components
 - BP SS1



BP SS1



MCWAP-2A BORROW PITS

REGULATION 2.2 PLAN

Legend

Structure

Power line

Secondary road

Railway

House

Servitude areas

Property

Parent farms

Farm portions

Contours

20m

100m

500m

Project Components

BP 75



Scale 1:4000





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure

Power line

Secondary road

Railway

House

Servitude areas

Property

Parent farms

Farm portions

Contours

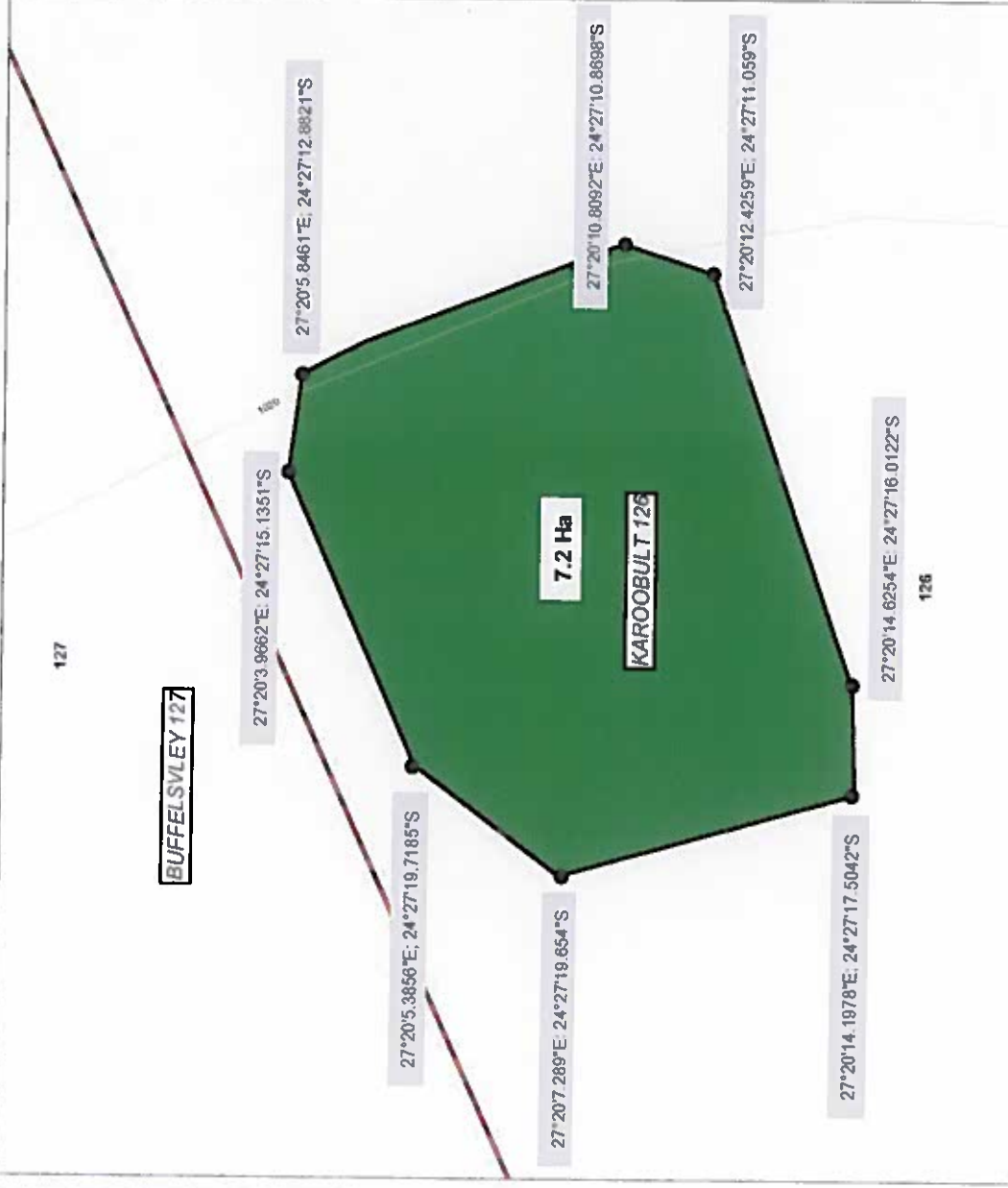
20m

100m

500m

Project Components

BP 30





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure

- Power line
- Secondary road

Railway

House

Servitude areas

Property

Parent farms

Farm portions

Contours

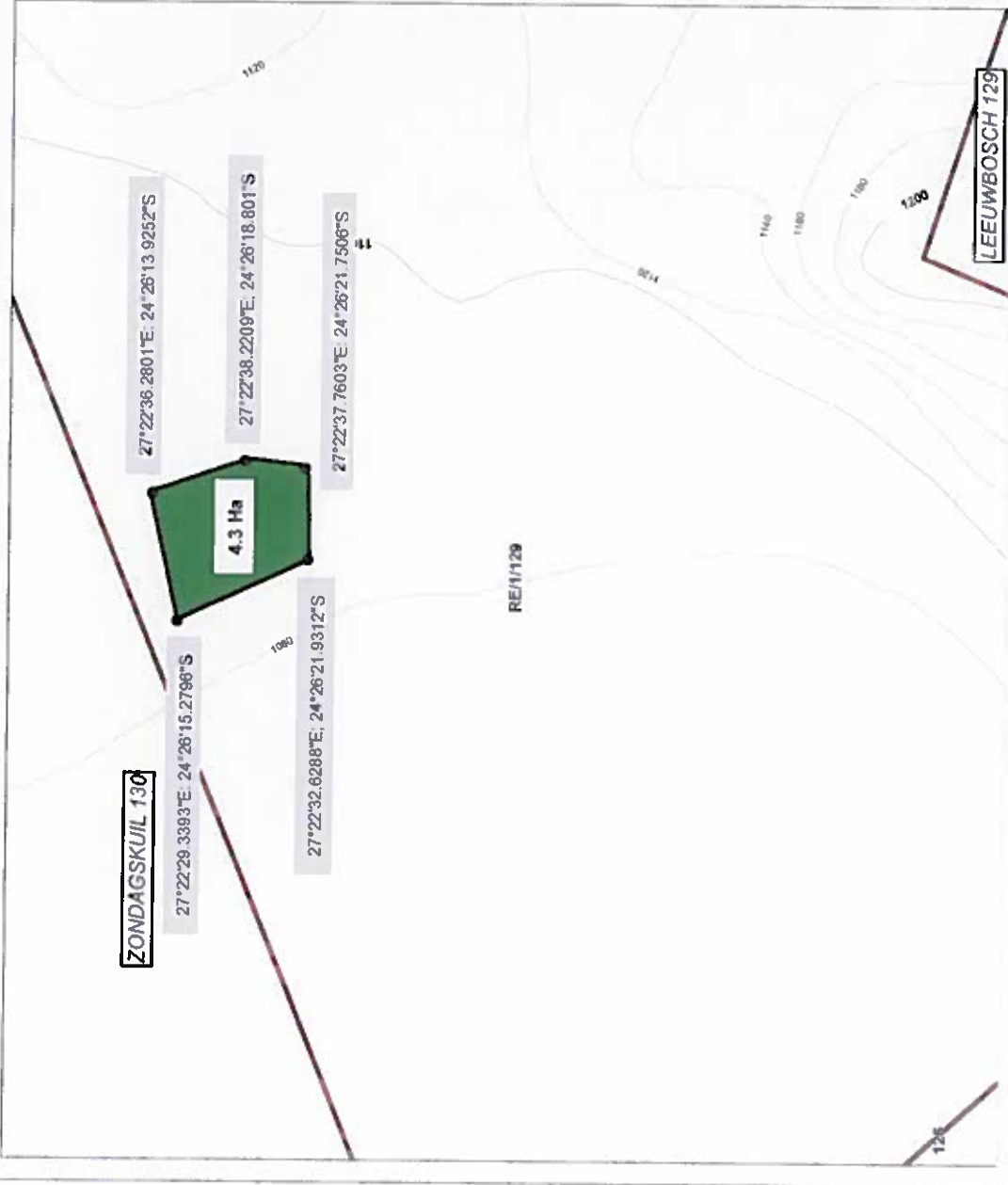
20m

100m

500m

Project Components

BP 35



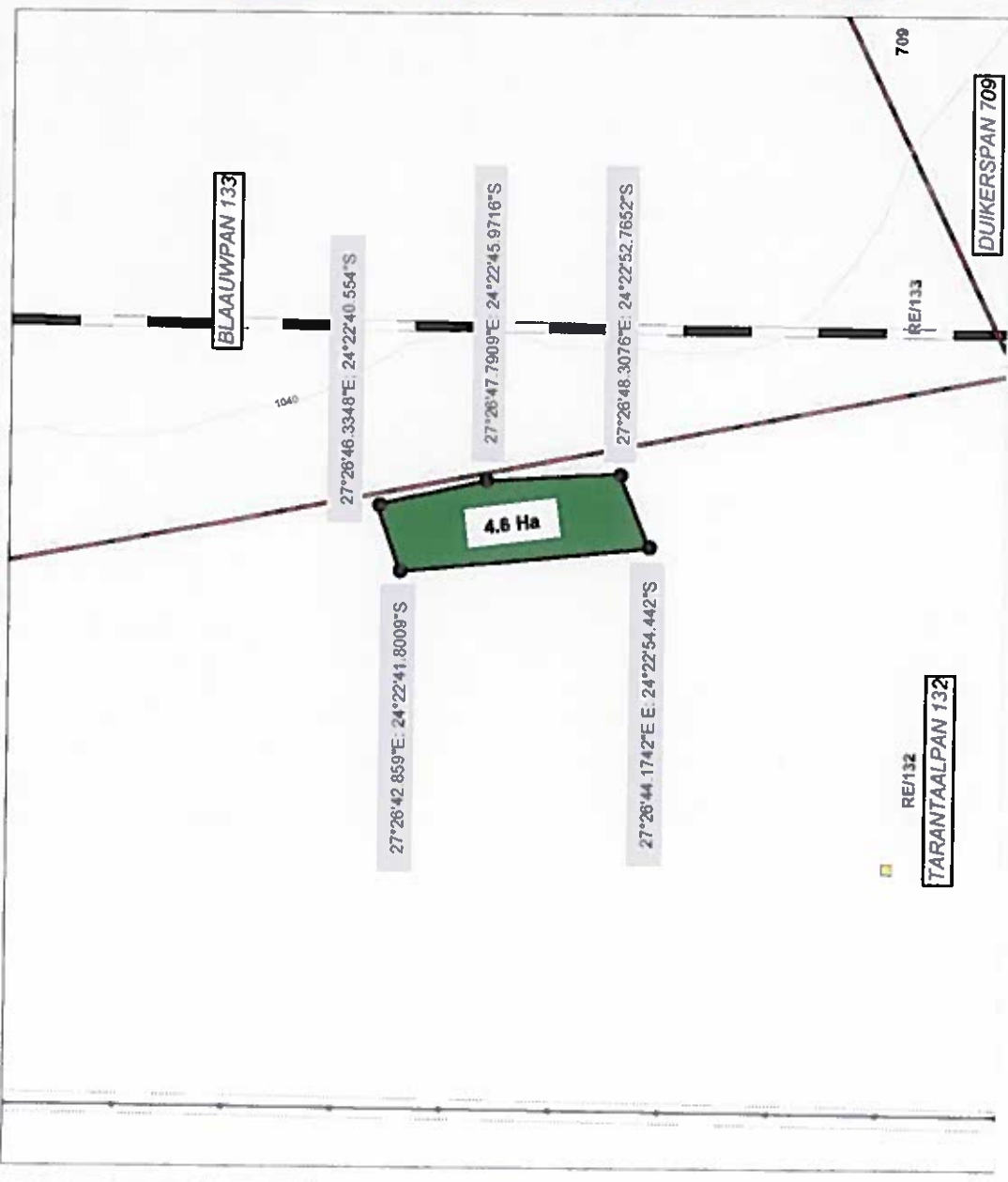


**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

- Structure
- Power line
- Secondary road
- Railway
- House
- Servitude areas
- Property
- Parent farms
- Farm portions
- Contours
- 20m
- 100m
- 500m
- Project Components
- BP 28

Scale 1:8000
0 50 150 250 m





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure

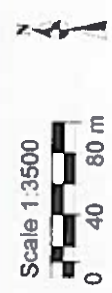
- Power line
- Secondary road
- Railway
- House
- Servitude areas
- Property
- Parent farms
- Farm portions

Contours

- 20m
- 100m
- 500m

Project Components

- BP 33

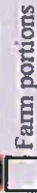
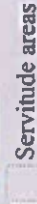
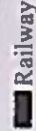




**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure



Project Components





MCWAP-2A BORROW PITS

REGULATION 2.2 PLAN

Legend

Structure

Secondary road

Railway

House

Servitude areas

Property

Parent farms

Farm portions

Contours

20m

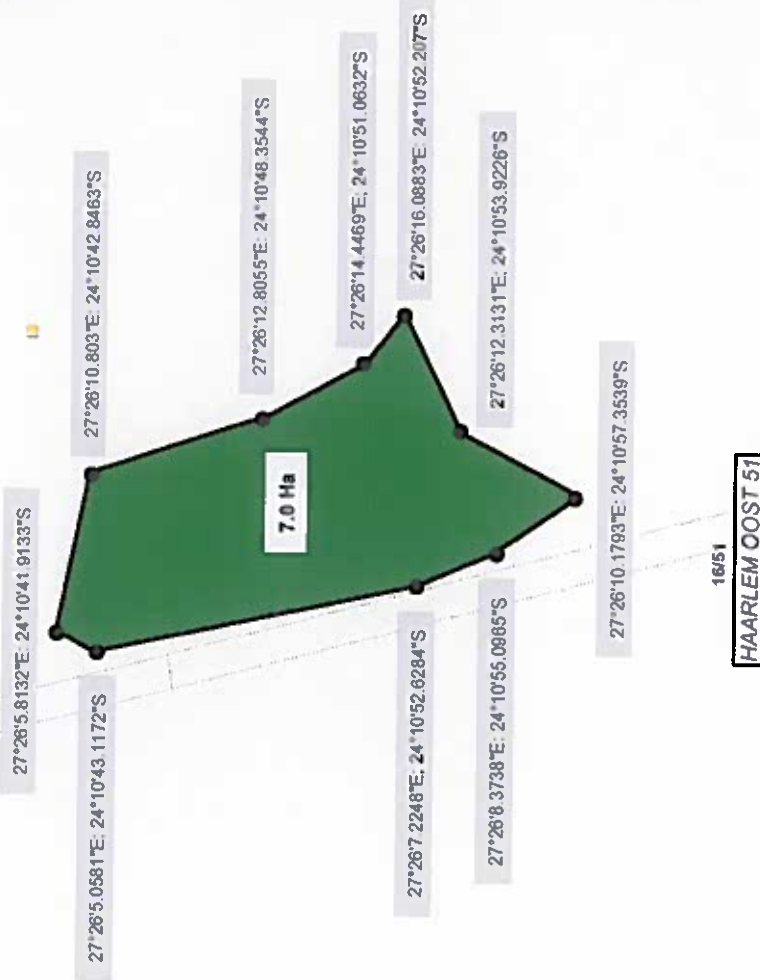
100m

500m

Project Components

BP 38

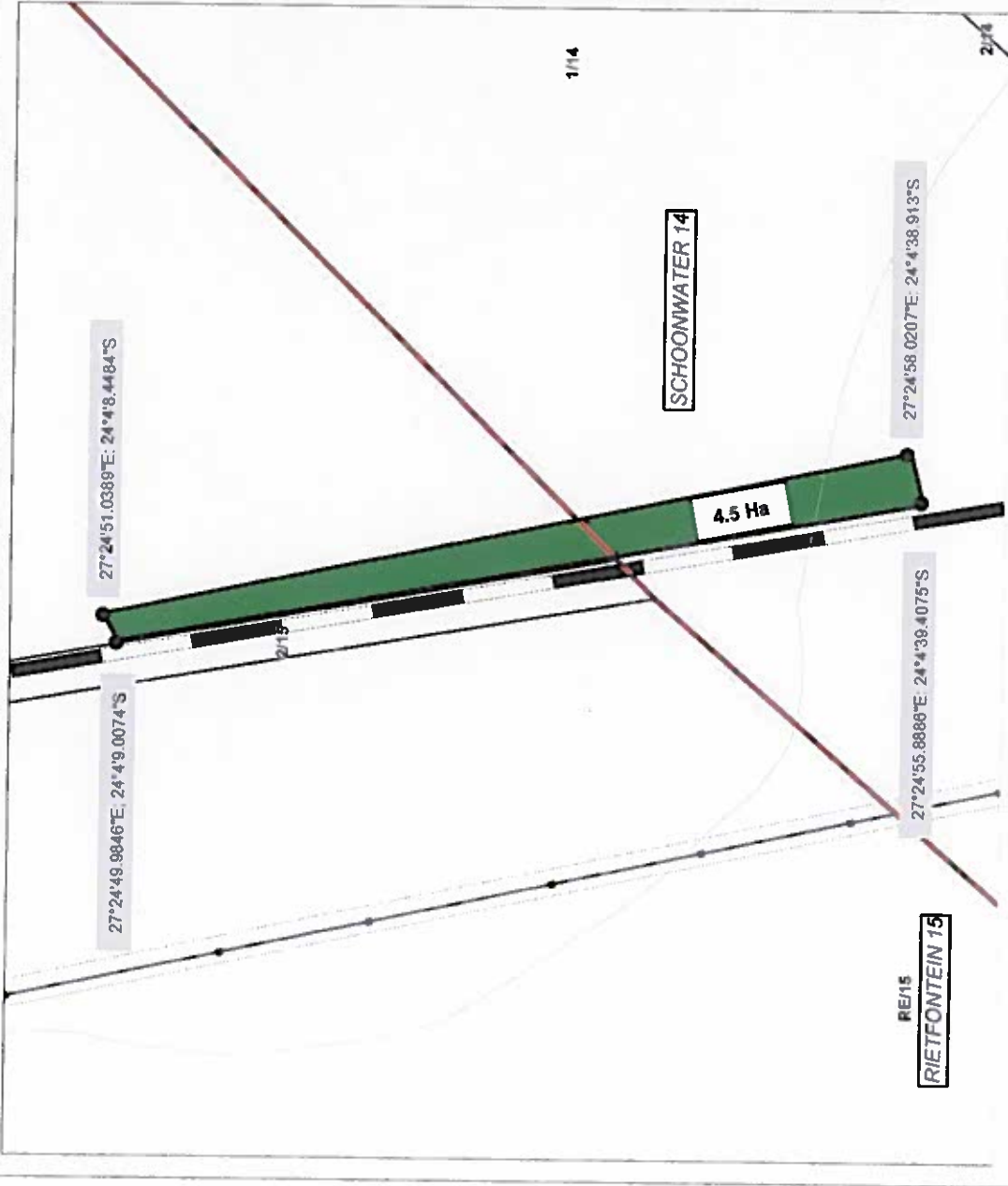
Scale 1:5000
0 60 120 m





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend	
Structure	
Power line	—●—
Secondary road	—
Railway	—+—
House	■
Servitude areas	■
Property	■
Parent farms	■
Farm portions	■
Contours	—
20m	
100m	
500m	
Project Components	
BP 39	■





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

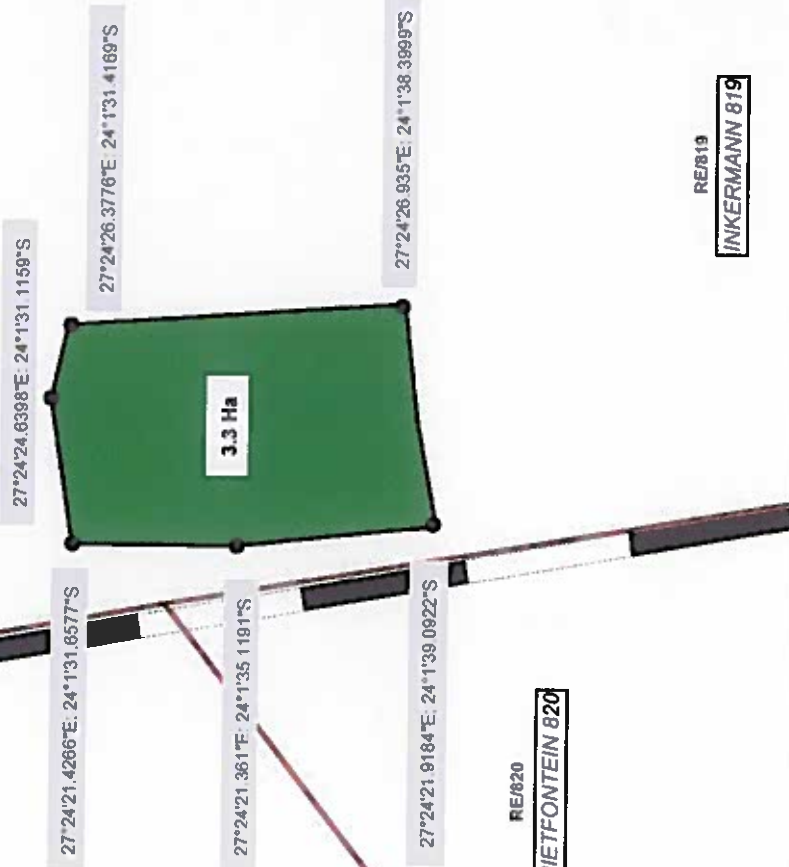
- Legend**
- Structure**
- Power line
 - Secondary road
 - Railway
 - House
 - Servitude areas
- Property**
- Parent farms
 - Farm portions
- Contours**
- 20m
 - 100m
 - 500m
- Project Components**
- BP 42

Scale 1:3500
0 40 80 m

RE/819
INKERMANN 819

RE/820
RIETFontein 820

INKERMANN 10
3/10





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

- Legend**
- Structure
- Power line
 - Secondary road
 - Railway
 - House
 - Servitude areas
- Property
- Parent farms
 - Farm portions
- Contours
- 20m
 - 100m
 - 500m
- Project Components
- BP 44

Scale 1:5000
0 60 120 m

406

MABULSKOP 406

27°23'31.8531"E 23°57'48.0799"S

396

27°23'26.8882"E 23°57'48.9221"S

DIEPSPRUIT 396

5.1 Ha

27°23'35.8152"E 23°57'58.8856"S

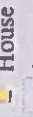
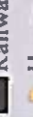
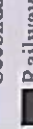
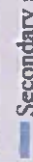
27°23'30.3749"E 23°57'59.808"S



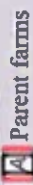
**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

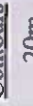
Structure



Property



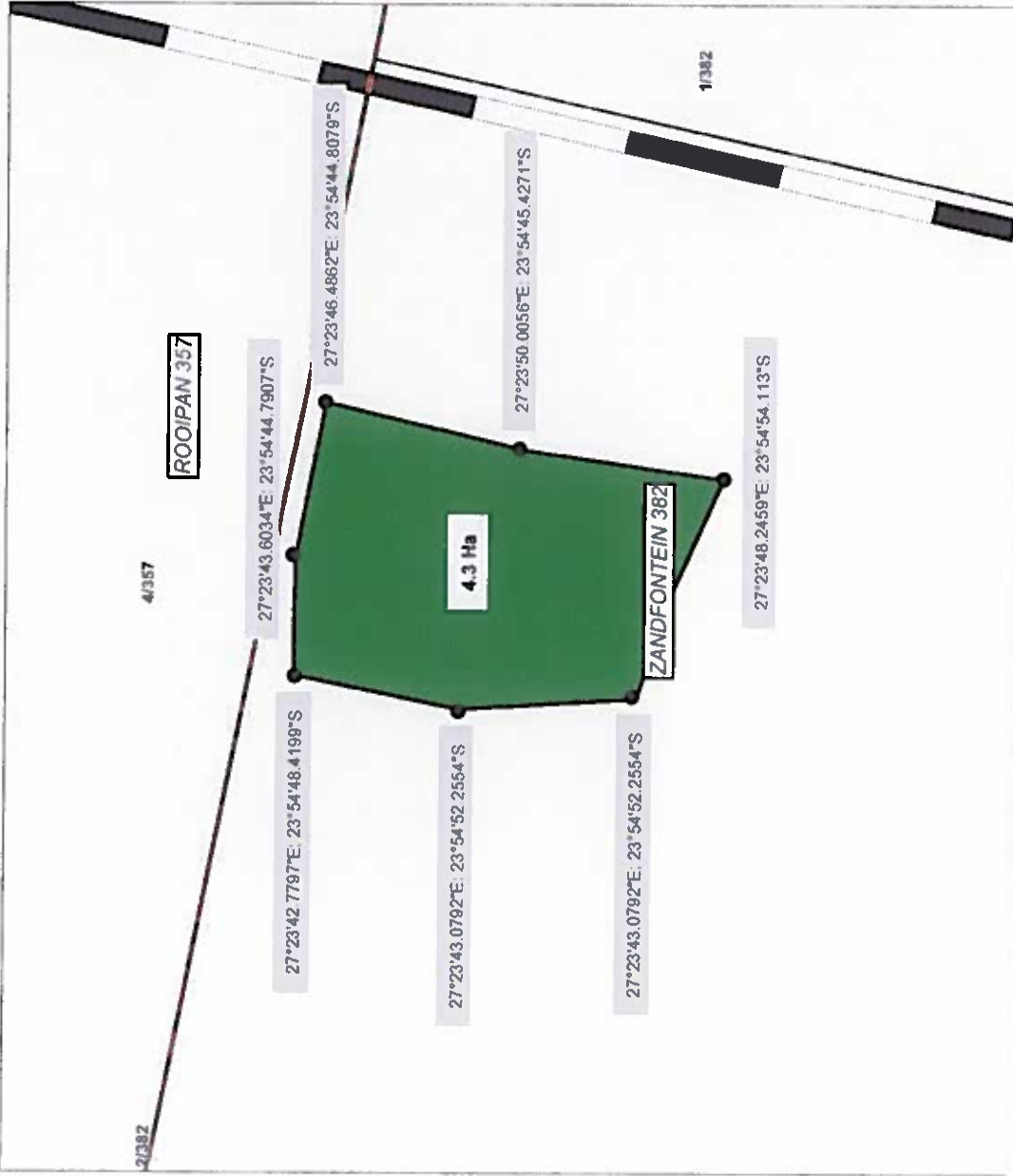
Contours



Project Components



BP 43





MCWAP-2A BORROW PITS

REGULATION 2.2 PLAN

Legend

Structure

Power line

Secondary road

Railway

House

Servitude areas

Property

Parent farms

Farm portions

Contours

20m

100m

500m

Project Components

BP 53

Scale 1:1500
0 10 30 50 m

2/355

ROOIPAN 355

27°23'46.0188"E: 23°52'28.771"S

27°23'51.751"E: 23°52'27.577"S

2.3 Ha

ROOIPAN 357

48359

27°23'45.1659"E: 23°52'31.2644"S

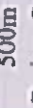
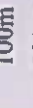
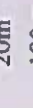
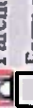
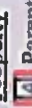
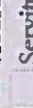
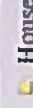
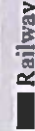
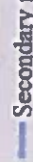
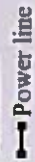
27°23'50.8855"E: 23°52'32.0169"S



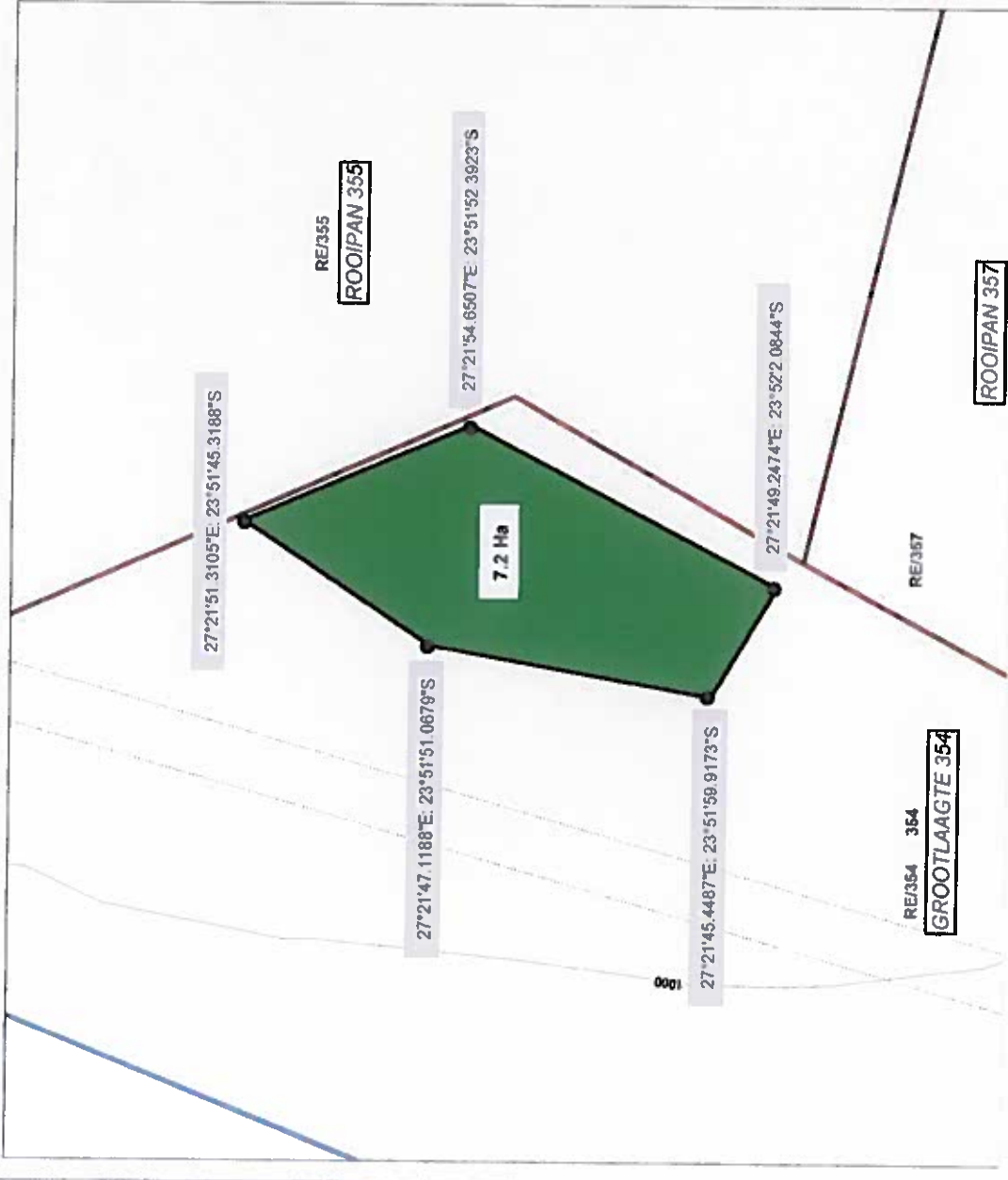
**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure



Scale 1:5000





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure

■ Power line

■ Secondary road

■ Railway

■ House

■ Servitude areas

Property

■ Parent farms

■ Farm portions

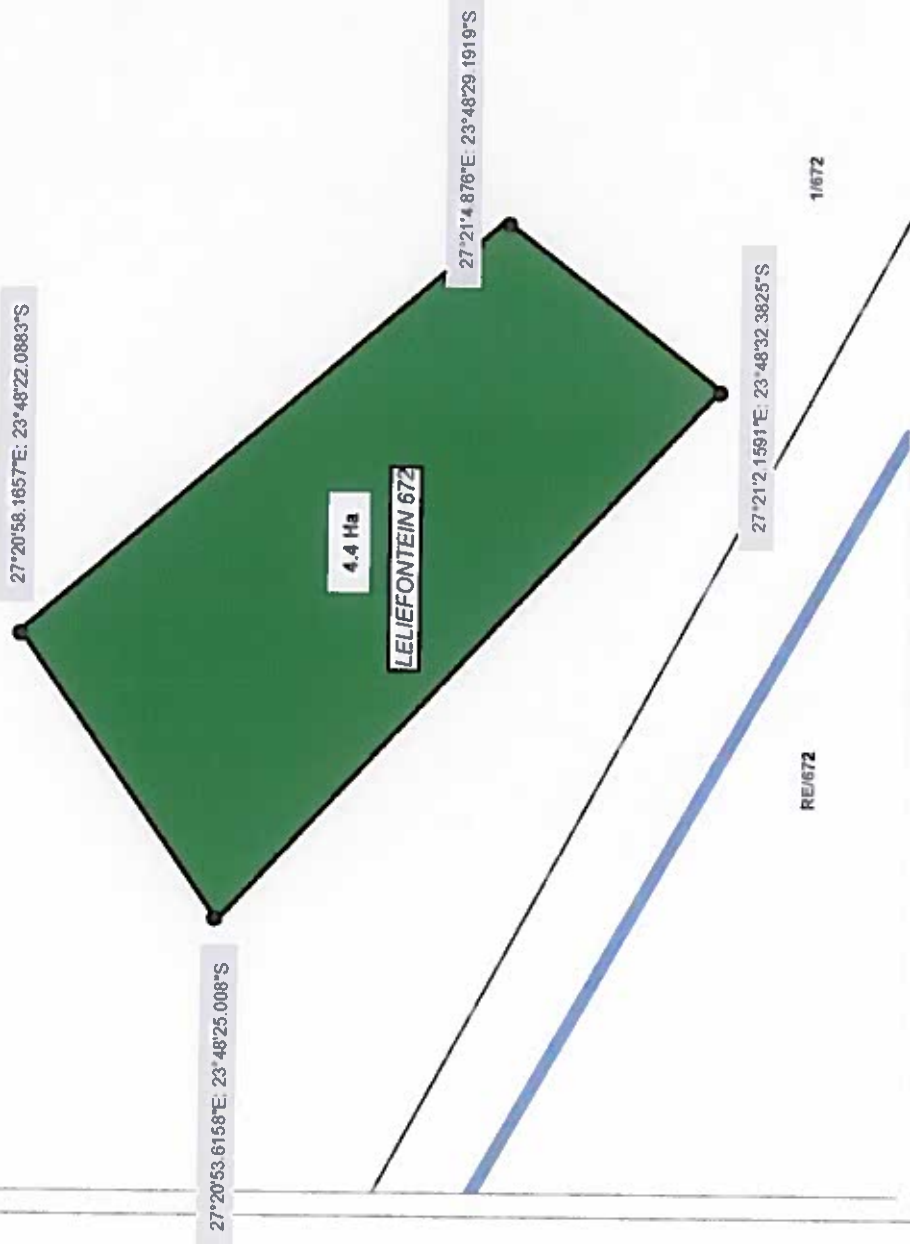
■ Contours

20m

Project Components

■ BP 50

Scale 1:2500
0 30 60 m





MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN

- Legend**
- Structure
- Power line
 - Secondary road
 - Railway
 - House
 - Servitude areas
- Property
- Parent farms
 - Farm portions
- Contours
- 20m
- Project Components
- BP 48



1/356 27°19'26.8712"E 23°47'15.8468"S

1/356



27°19'12.3071"E 23°47'19.3878"S

27°19'29.022"E 23°47'23.7953"S

RE/353

27°19'14.3643"E 23°47'27.0849"S

RE/356

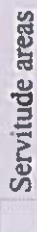
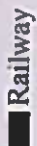
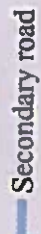
DOORNLAAGTE 353



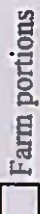
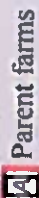
**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure



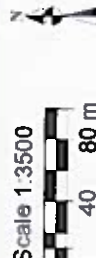
Property



Contours

20m

Project Components





MCWAP-2A
BORROW PITS

REGULATION 2.2 PLAN

Legend

Structure

Power line

Secondary road

Railway

House

Servitude areas

Property

Parent farms

Farm portions

Contours

20m

Project Components

BP 15

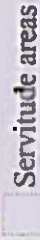
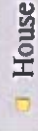
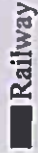
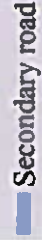
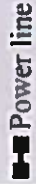




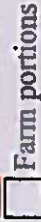
**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure



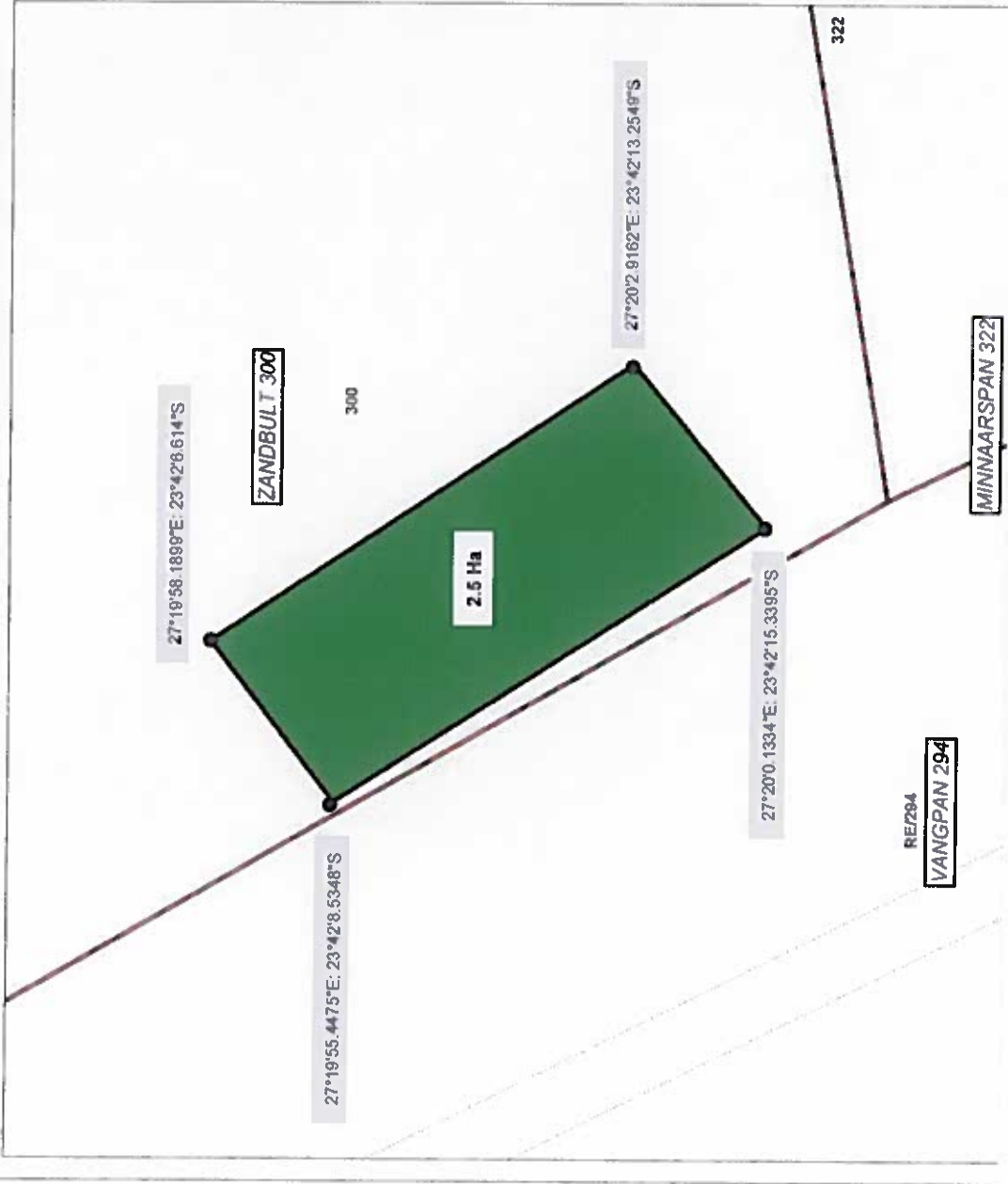
Property



Contours

20m

Project Components

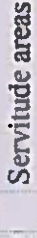
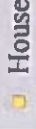
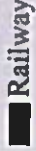
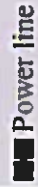




**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure



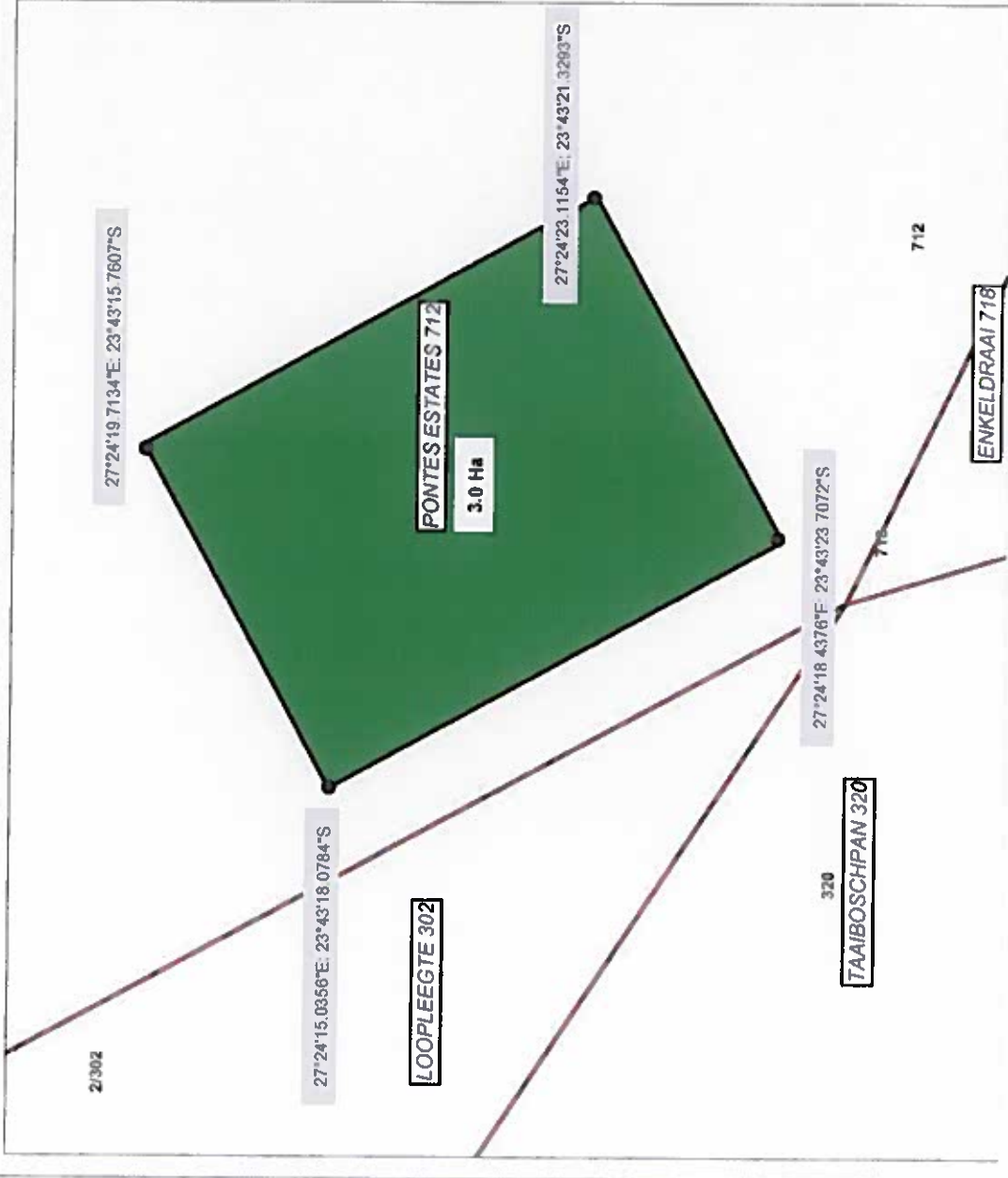
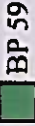
Property



Contours

20m

Project Components





MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN

Legend

Structure

- Power line
- Secondary road
- Railway
- House
- Servitude areas

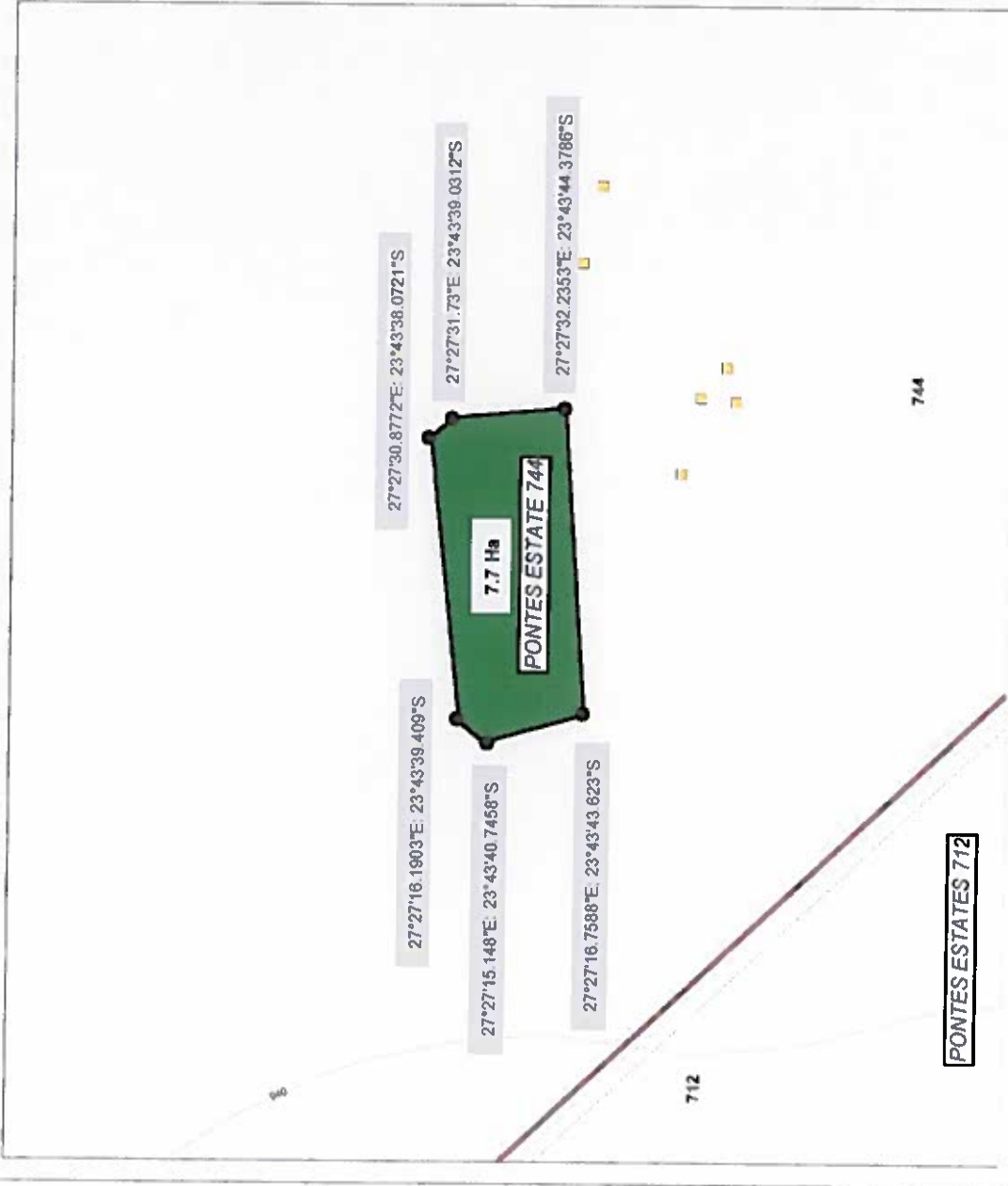
Property

- Parent farms
- Farm portions
- Contours
- 20m

Project Components

- BP 13

Scale 1:7500
0 60 150 m





**MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN**

Legend

Structure

— Power line

— Secondary road

— Railway

■ House

■ Servitude areas

Property

■ Parent farms

■ Farm portions

— Contours

20m

Project Components

■ BP 14

Scale 1:15000



0 120 300 m



460

460

HIEROMTRENT 460

VAALPENSLOOP 313

1/313

1687

27°29'53.0967"E: 23°42'44.836"S

27°29'45.4621"E: 23°42'48.5507"S

EENZAAMHEID 687

27°30'1.409"E: 23°42'58.5708"S

27°28'55.8348"E: 23°43'2.6628"S

687

321

VERGULDE HELM 321

KROMDRAAI 690

690





MCWAP-2A BORROW PITS

REGULATION 2.2 PLAN

Legend

Structure

— Power line

— Secondary road

— Railway

— House

— Servitude areas

Property

— Parent farms

— Farm portions

— Contours

20m

Project Components

— BP 51

Scale 1:5000

0 60 120 m

