APPENDIX H

COPY OF DMR APPLICATION FORM

water & sanitation

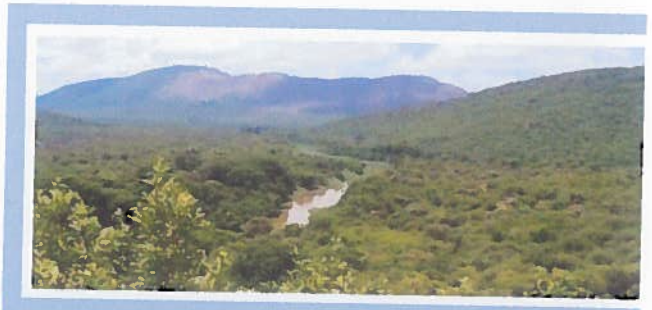
Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

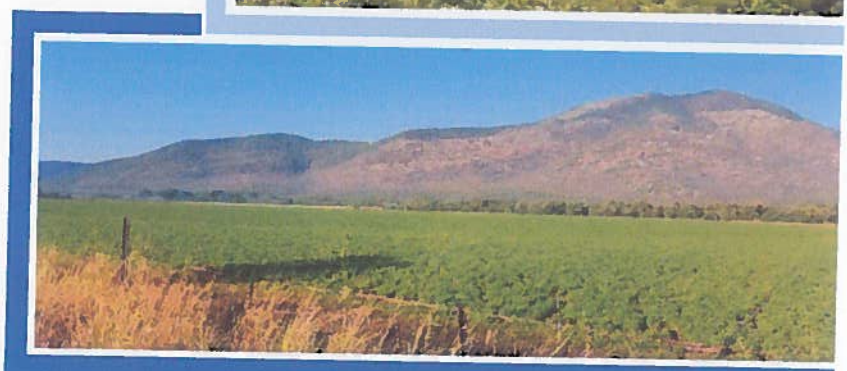
PROPOSED MOKOLO AND CROCODILE RIVER (WEST) WATER AUGMENTATION PROJECT (PHASE 2A) (MCWAP-2A): BORROW PITS

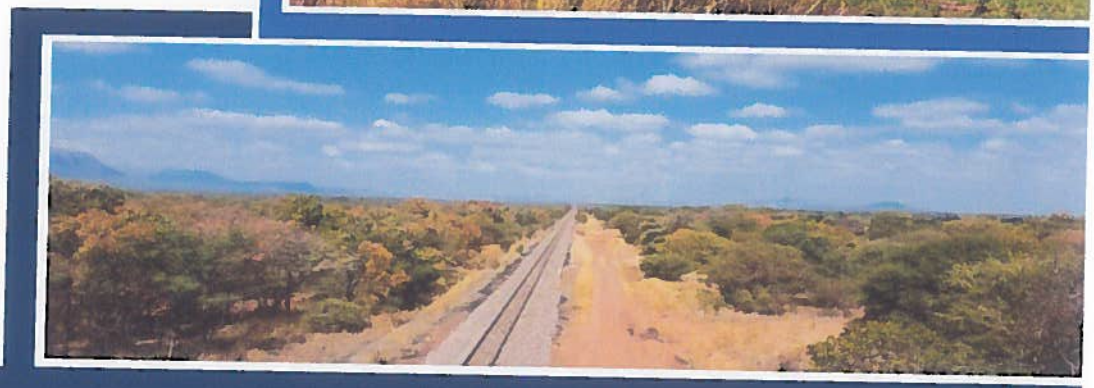
APPLICATION FOR ENVIRONMENTAL AUTHORISATION

ORIGINAL

SEPTEMBER 2018







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):	[redacted]		
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:	*Refer to tables contained in **Appendix 6***
Application area (Ha)	Note: * Borrow Pit Area = total area to be mined ** Management Area = Includes the borrow pit area, allowance of 10% of borrow pit area for topsoil stockpile and 1ha for working space (project footprint)

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

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	*Refer to tables contained in **Appendix 6***
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:

Sampling, Production Right, Exploration Right, Reconnaisance permit, Technical co-operation permit, Additional listed activity)	1. **MCWAP Phase 1 (MCWAP-1):** 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. 2. **MCWAP-2A:** 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. The overall MCWAP-2A consists of the following components: • 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. 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.

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 (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.)	Aerial extent of the Activity Ha or m²	LISTED ACTIVITY (Mark with an X where applicable or affected).	APPLICABLE LISTING NOTICE (GNR 983, GNR 985 or GNR 985)	WASTE MANAGEMENT AUTHORISATION (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: • 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 stormwater (e.g. construct sediment holding basins and divert up-slope water around the mining area);		Activity No.12(ii)(a) X	G.N. R 983	N/A
		Activity No.14 X	G.N. R 983	N/A
		Activity No.19 X	G.N. R 983	N/A
		Activity No. 24(ii) X	G.N. R 983	N/A
		Activity No. 27 X	G.N. R 983	N/A
		Activity No. 30 X	G.N. R 983	N/A
		Activity No. 56(ii) X	G.N. R 983	N/A

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
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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

Note:
*** Borrow Pit Area = total area to be mined**

**** Management Area = Allowance of 10% of borrow pit area for topsoil stockpile and 1ha for working space (i.e. entire borrow pit footprint)**

• 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 – ▪ Grading of site; ▪ Removal of all facilities associated with mining activities; and ▪ Stabilise, reinstate and rehabilitate borrow areas. The mining equipment to be used includes the following: • Excavators • Bull-dozers, front-end loaders, backactors; • Tipper trucks; • Graders • Water trucks; and • Lowbed truck (transporting machines on and off site).				
		Activity No. 4 X	G.N. R 984	N/A
		Activity No. 15 X	G.N. R 984	N/A
		Activity No.4 (e)(i)(ee)(gg) 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

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 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;

	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 Kwêvoël (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) **Public Participation tasks during the EIA Phase will include (but not limited to):** 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).

	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.
Information to be provided to Interested and Affected Parties.	**Compulsory** • 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)
	Other, specify:
Information to be required from Interested and Affected Parties.	**Compulsory** • 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).
	Other, Specify

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).
Identification of impacts and risks. (Describe the process that will be used to identify impacts and risks.	The potential environmental impacts associated with the proposed project will be identified as follows: • 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.
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.	**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.

Process to assess and rank impacts. Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.	**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: **Nature (/Status)** The project could have a positive, negative or neutral impact on the environment. **Extent** • 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. **Magnitude** Degree to which impact may cause irreplaceable loss of resources. • 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. **Duration** • 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. **Probability** • 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. **Significance** 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- 0 – Impact will not affect the environment. No mitigation necessary. 1 – No impact after mitigation. 2 – Residual impact after mitigation. 3 – Impact cannot be mitigated.
Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.	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: • 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. The information obtained from the respective specialist studies will be incorporated into the EIA report in the following manner: 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 1. Salient recommendations made by the specialists will be taken forward to the final EIA Conclusions and Recommendations.
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.	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. The EMPr will address the following: • 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. Provision will be made in the EMPr for the following types of monitoring: • 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
SEMAs				
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 m²)		
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	• Borrow pits to be created, operated and rehabilitated in accordance with the EMPr, 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.	The environmental parameters to be included as part of the environmental monitoring programme, which is to be undertaken by the Contractor, includes the following: Air Quality – Dust fallout; Particulate matter (PM10); Noise; and Water quality. Dust fallout - Comply with ASTM D1739; SANS 1929, SANS 69. Noise levels - Comply with SANS 10103:2008. All water discharges to comply with legal requirements associated with the National Water Act (Act No. 36 of 1998), including GN No. 399. Analysis is to be undertaken at a SANS 17025 certified laboratory.

10. CLOSURE PLAN

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.	
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	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.
Closure objectives Describe the closure objectives and the extent to which they will be aligned to the baseline environment	Specific objectives and targets to be set in the EMPr for the following (where relevant): • 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.
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.	*Refer to table in Section 5 and locality maps in Appendix 2 for the project footprint of the proposed borrow pits.* Rehabilitation plan to be developed for entire borrow area domain. Provision to be made in the EMPr for rehabilitation requirements. 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.
Rehabilitation Cost Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof	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.
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	Contractor to conduct concurrent or progressive rehabilitation of areas affected by construction activities, as required.

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

RONALD GILLMER FOR DEPT OF WATER AND SANITATION

Name of company (if applicable):

3/9/2018

Date:

APPENDIX 1
DECLARATION OF THE EAP

I, Donavan 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:

4 September 2018

Date:

CURRICULUM VITAE – Donavan 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:	• Interim Certification Board for EAP SA • IAIA

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
• 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

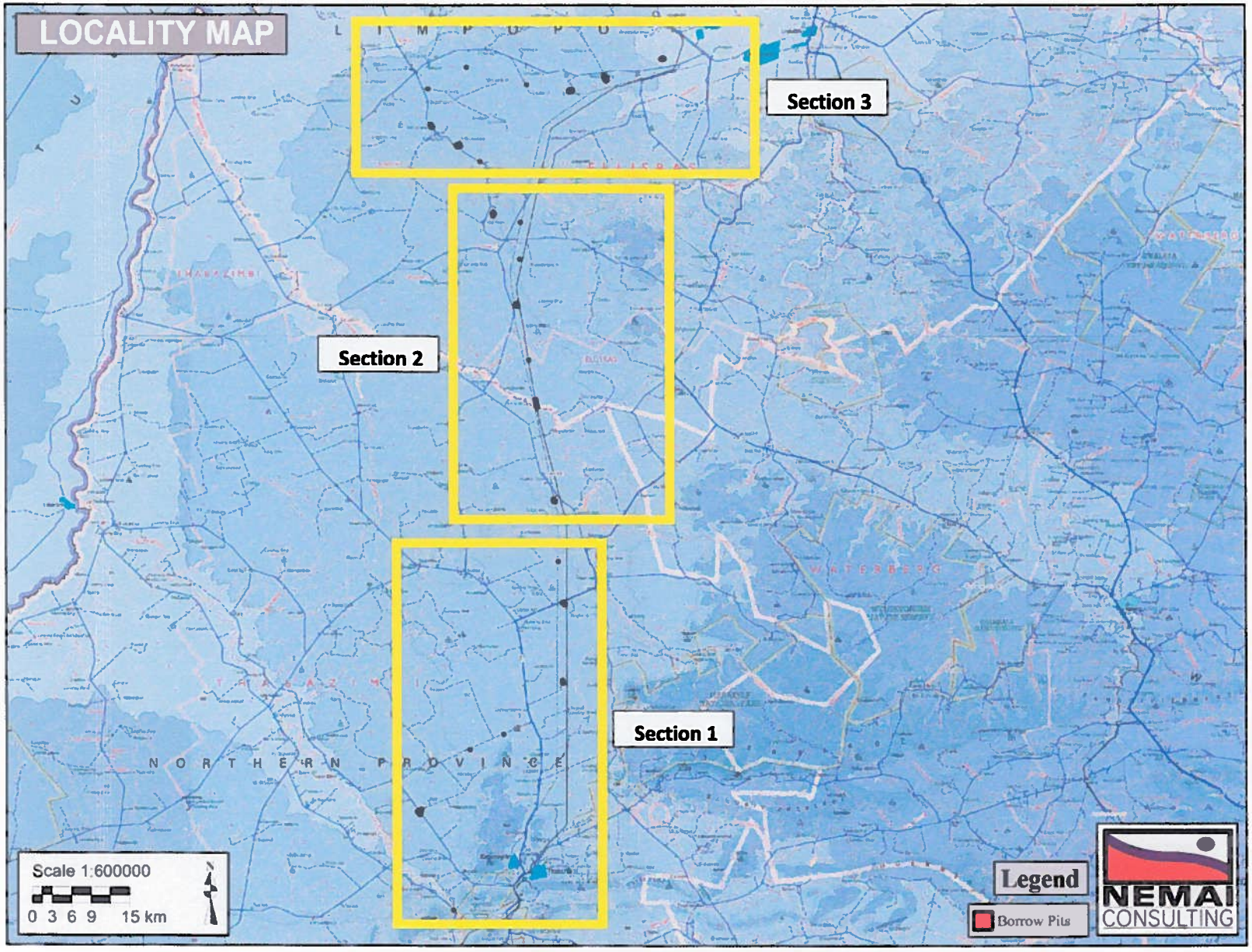


Figure 1: Overall Locality Map

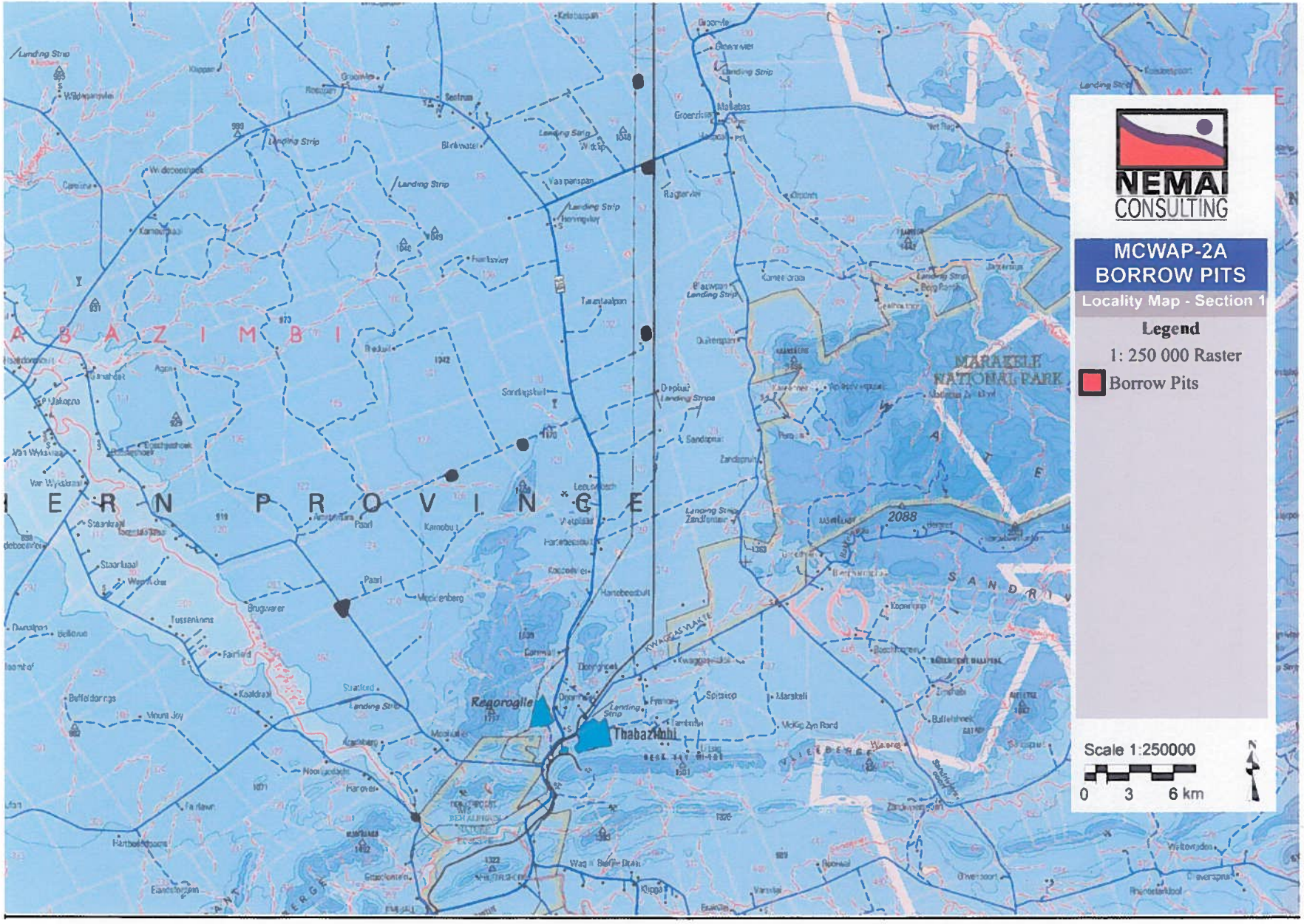


Figure 2: Section 1 Locality Map

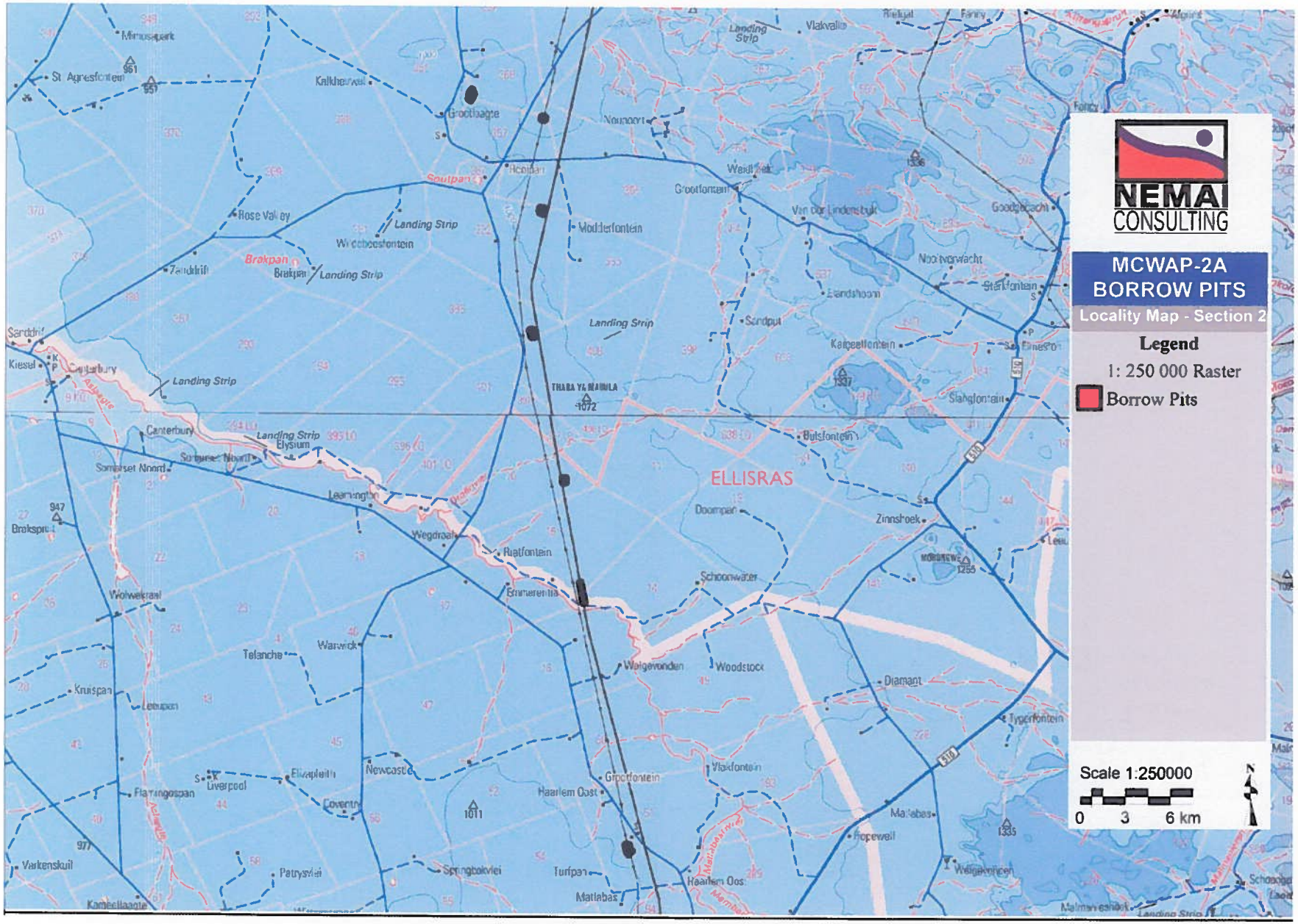


Figure 3: Section 2 Locality Map

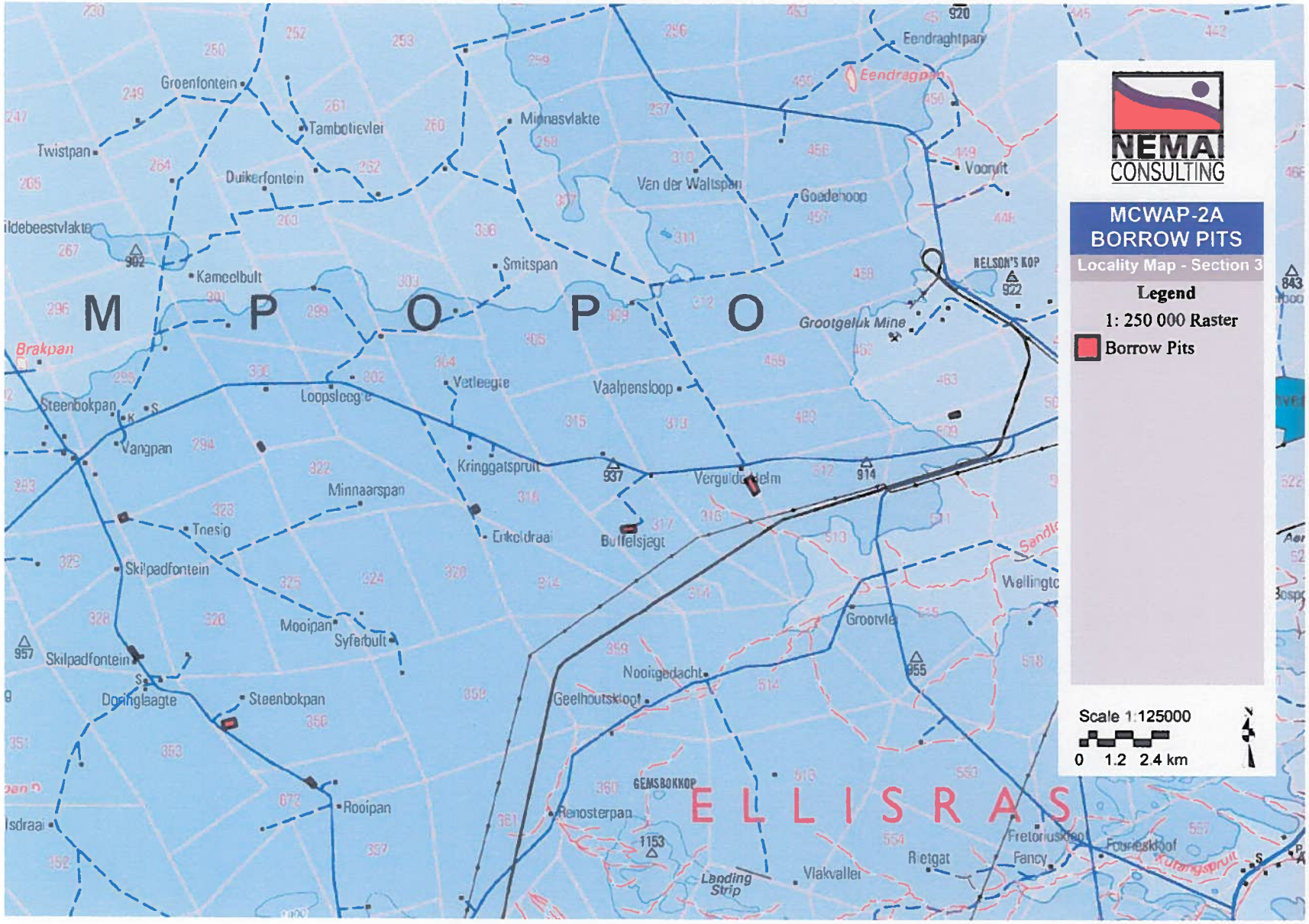


Figure 4: Section 3 Locality Map

APPENDIX 3

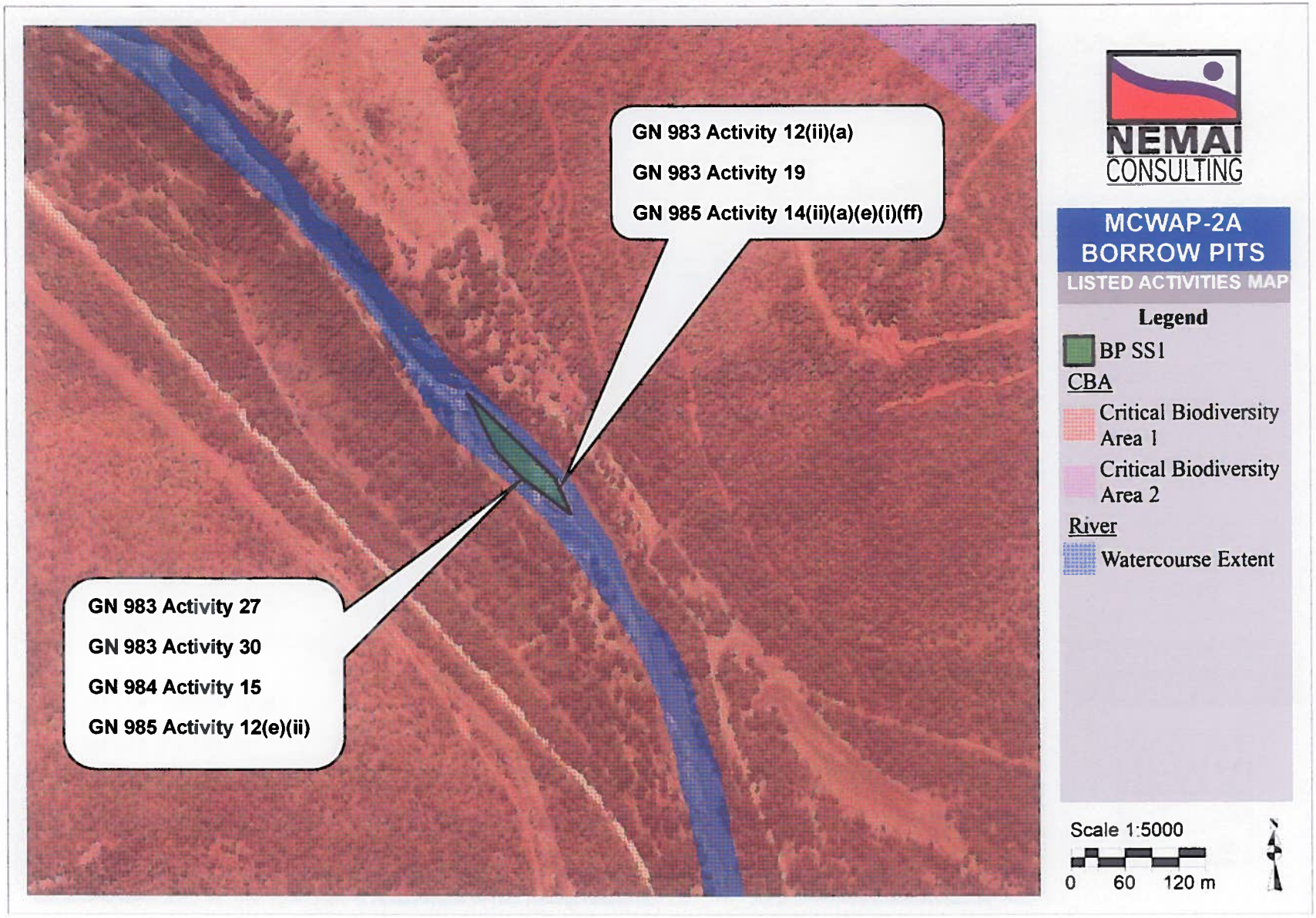
COPIES OF ENVIRONMENTAL AUTHORISATIONS OBTAINED FOR THE SAME PROPERTY

(Not Applicable)

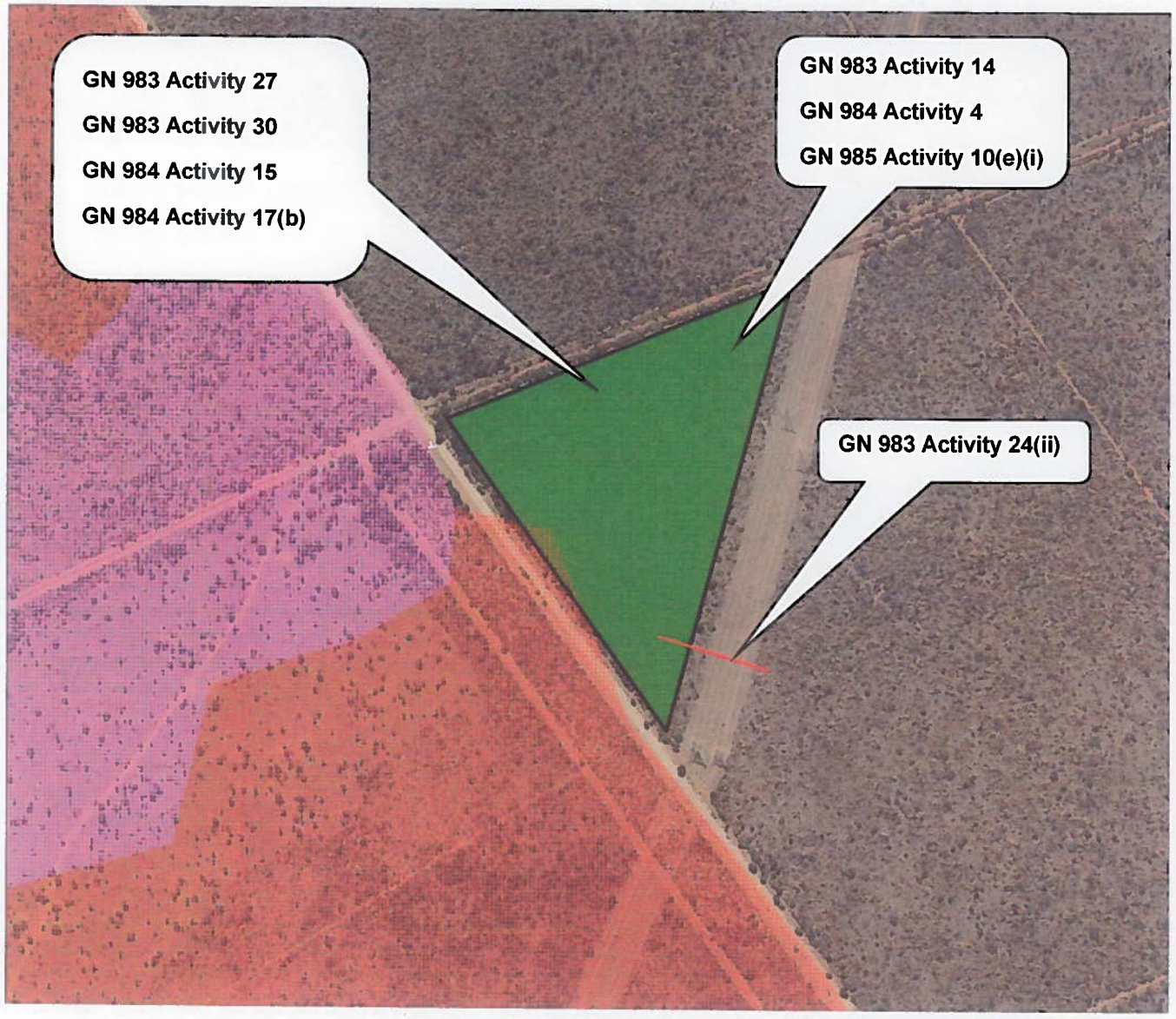
APPENDIX 4

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

BP SS1


GN 983 Activity 12(ii)(a)
GN 983 Activity 19
GN 985 Activity 14(ii)(a)(e)(i)(ff)
GN 983 Activity 27
GN 983 Activity 30
GN 984 Activity 15
GN 985 Activity 12(e)(ii)
NEMAI CONSULTING
MCWAP-2A BORROW PITS
LISTED ACTIVITIES MAP
Legend
BP SS1
CBA
Critical Biodiversity Area 1
Critical Biodiversity Area 2
River
Watercourse Extent
Scale 1:5000
0 60 120 m

BP 25



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

BP 25

Access Road

CBA

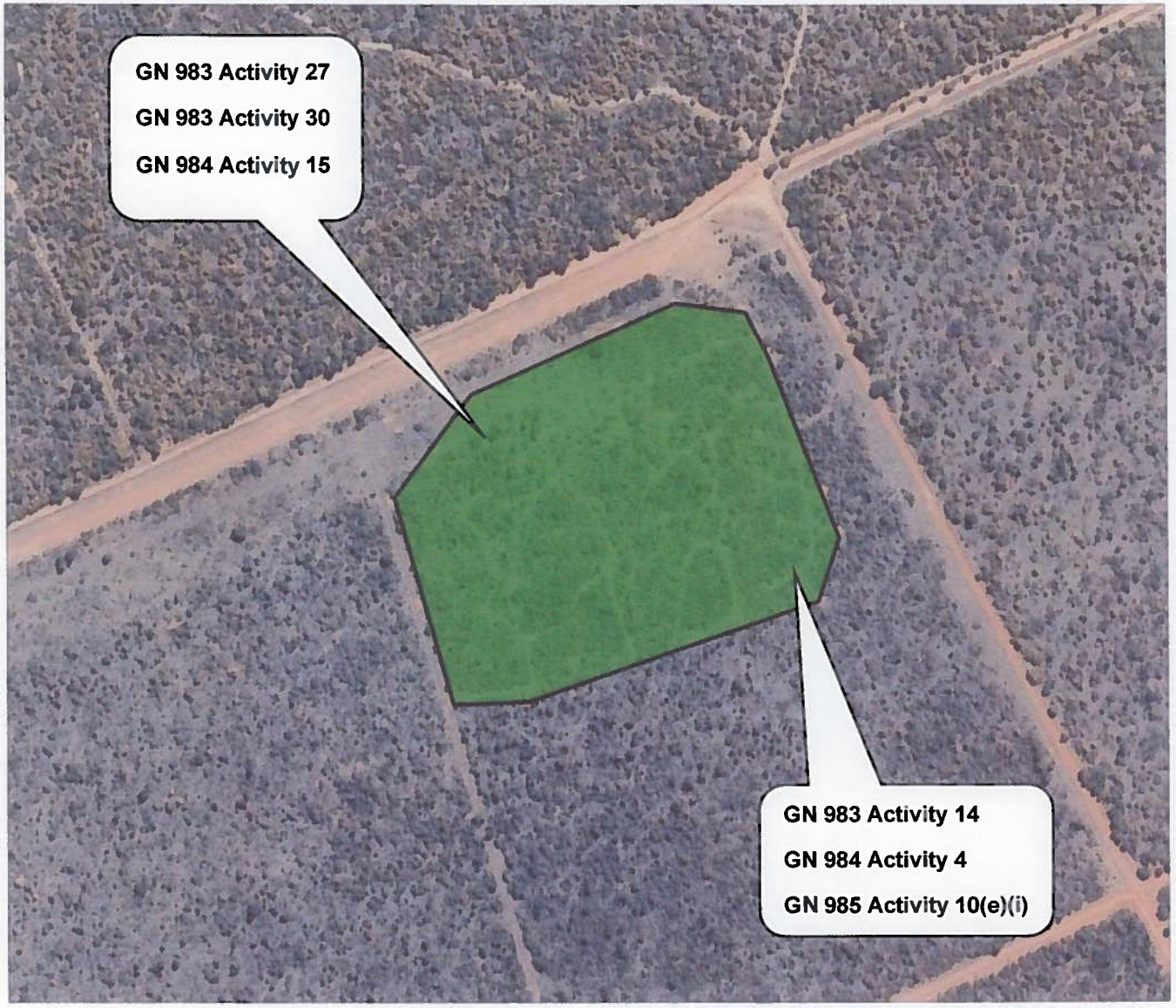
Critical Biodiversity Area 1

Critical Biodiversity Area 2

Scale 1:7500

0 60 150 m

BP 30



NEMAI CONSULTING

MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP

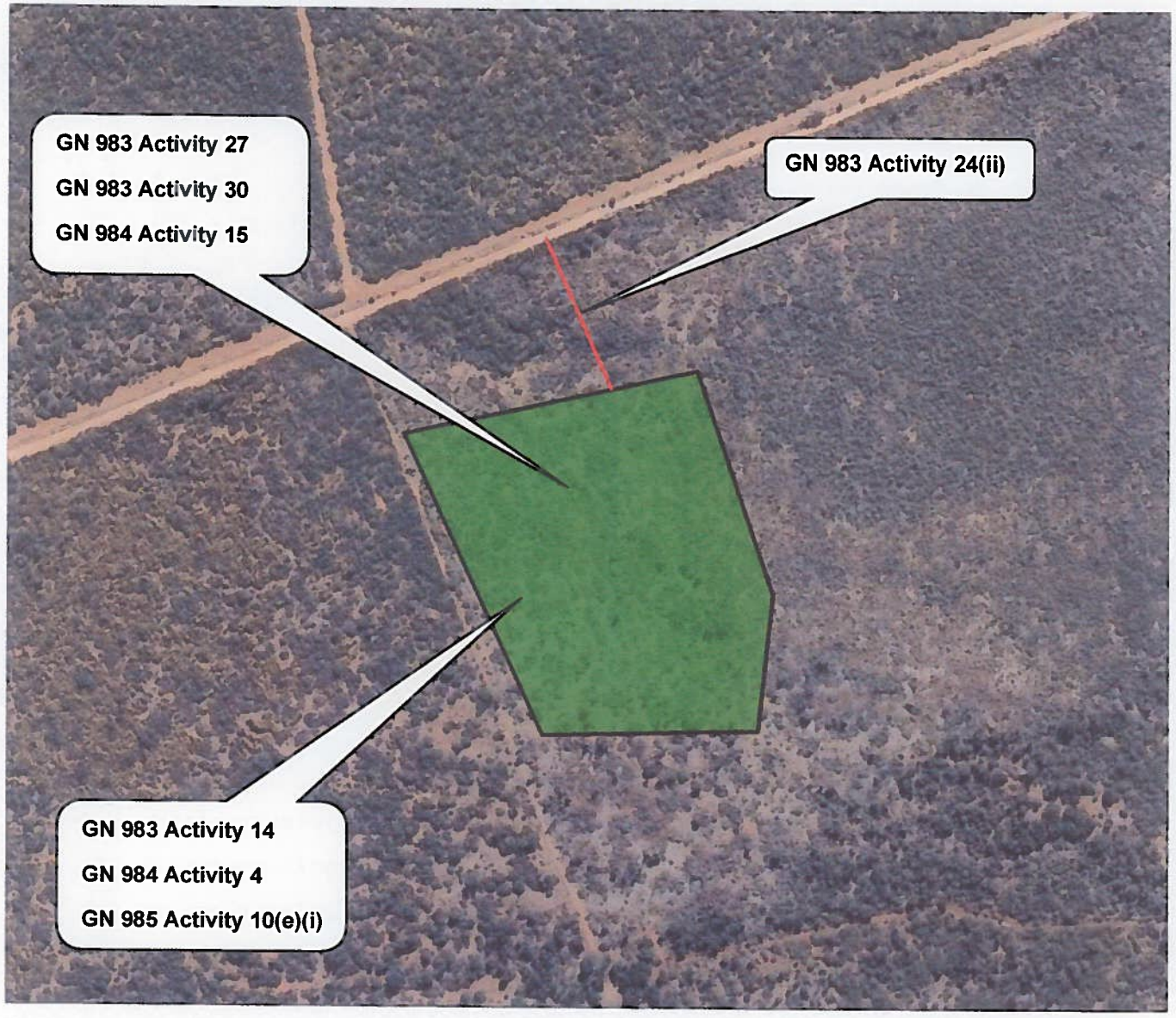
Legend

BP 30

Scale 1:3500

0 40 80 m

BP 35



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

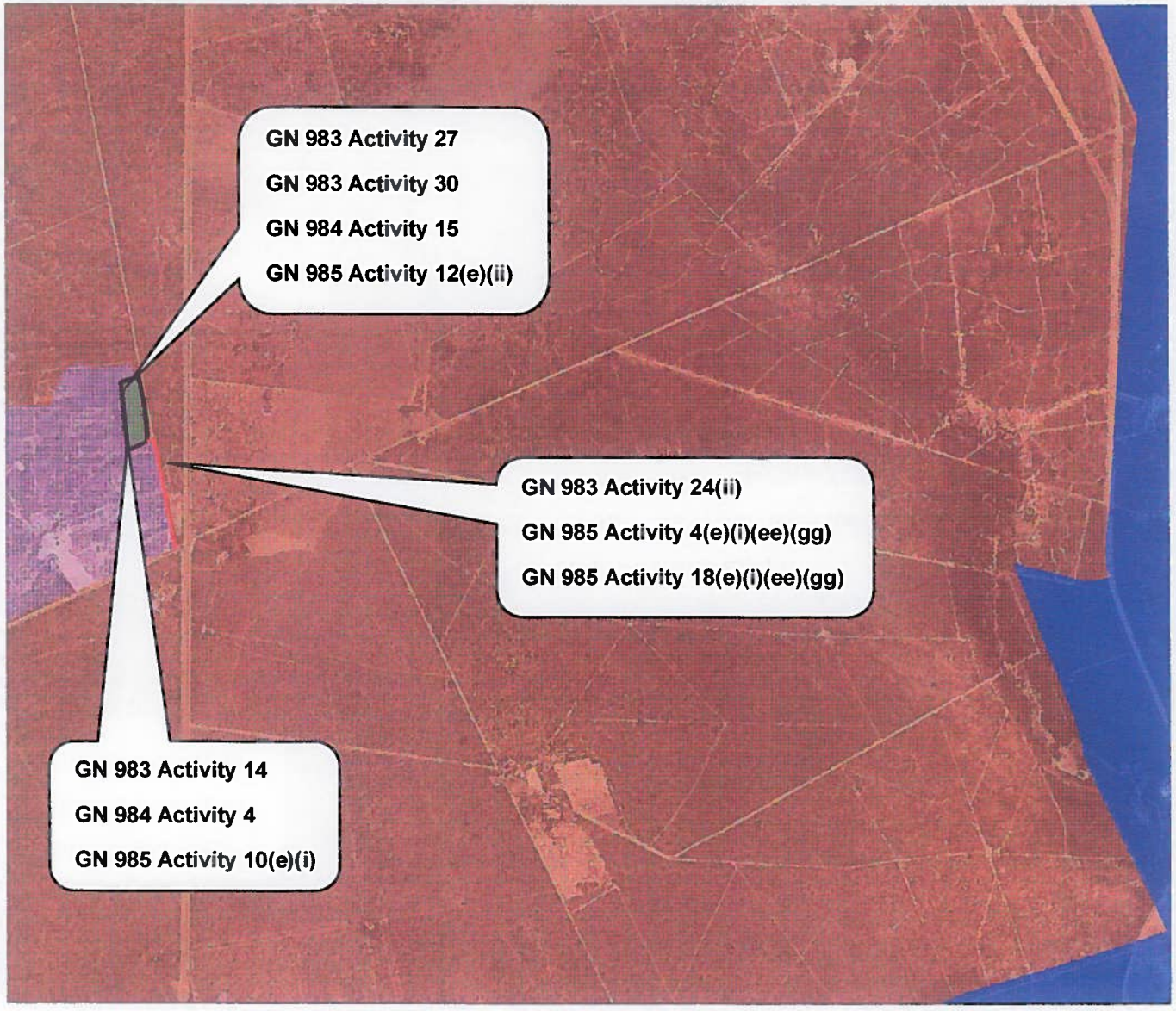
BP 35

Access Road

Scale 1:3500

0 40 80 m

BP 28



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

- BP 28
- Access Road

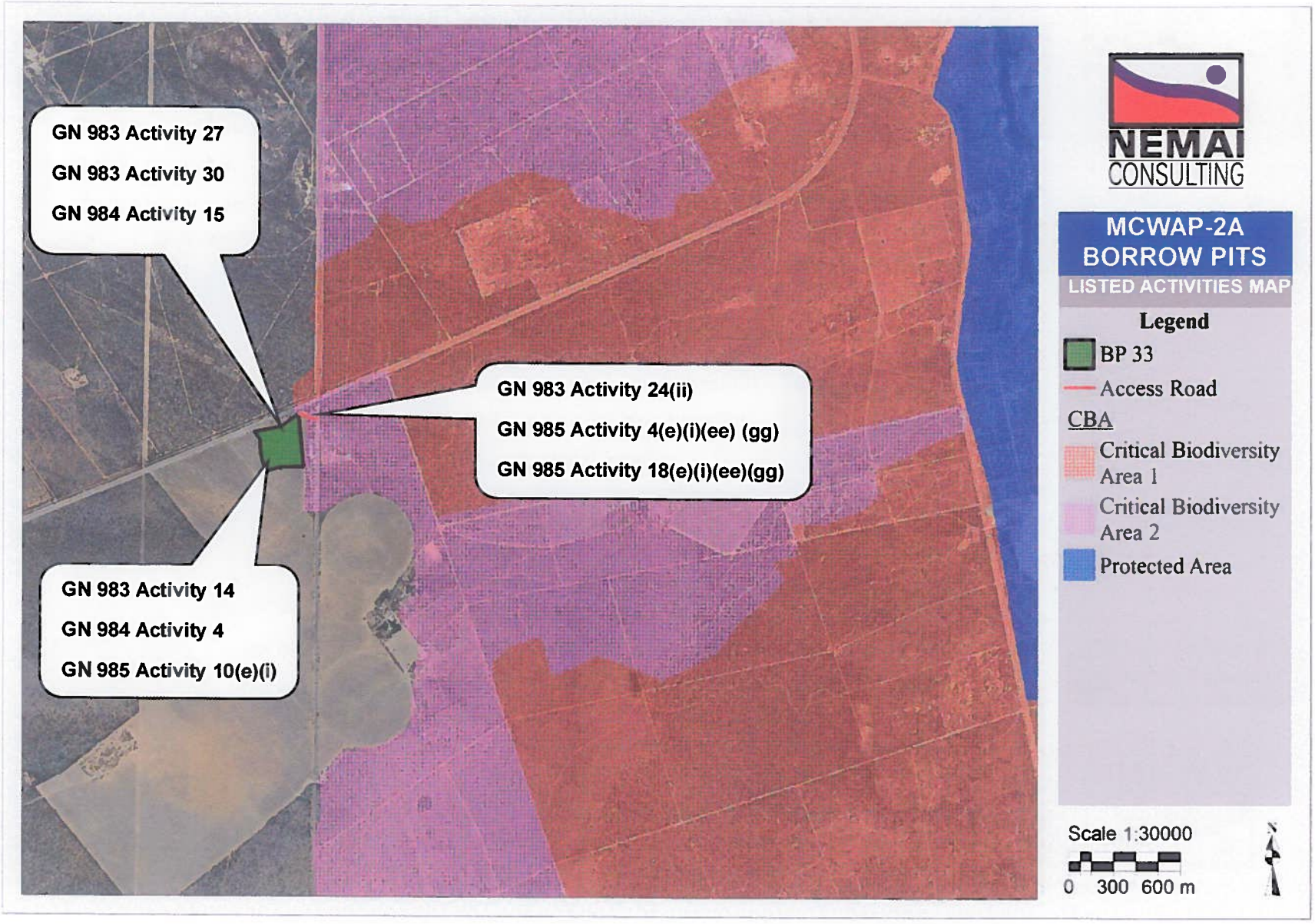
CBA

- Critical Biodiversity Area 1
- Critical Biodiversity Area 2
- Protected Area

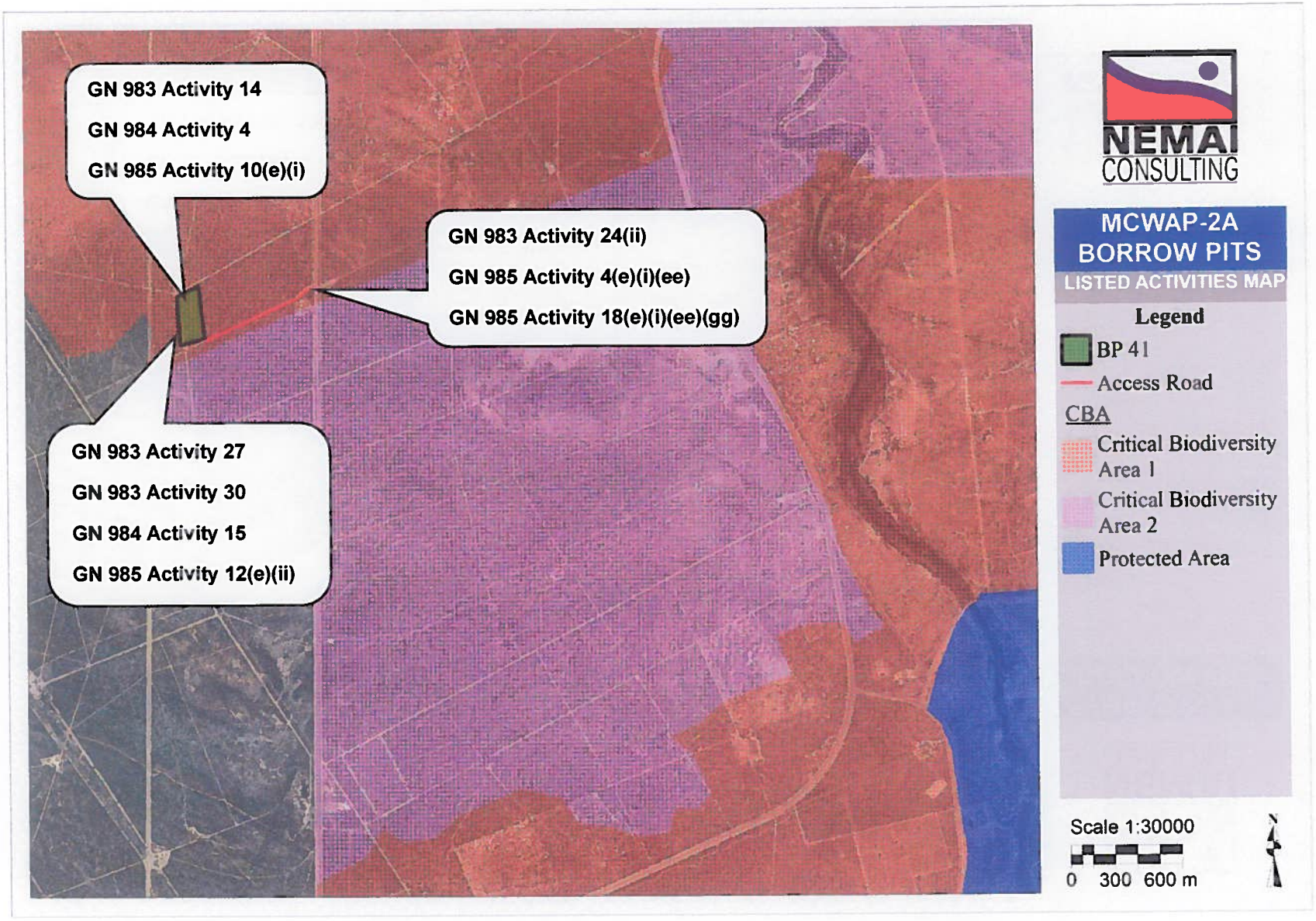
Scale 1:30000

0 300 600 m

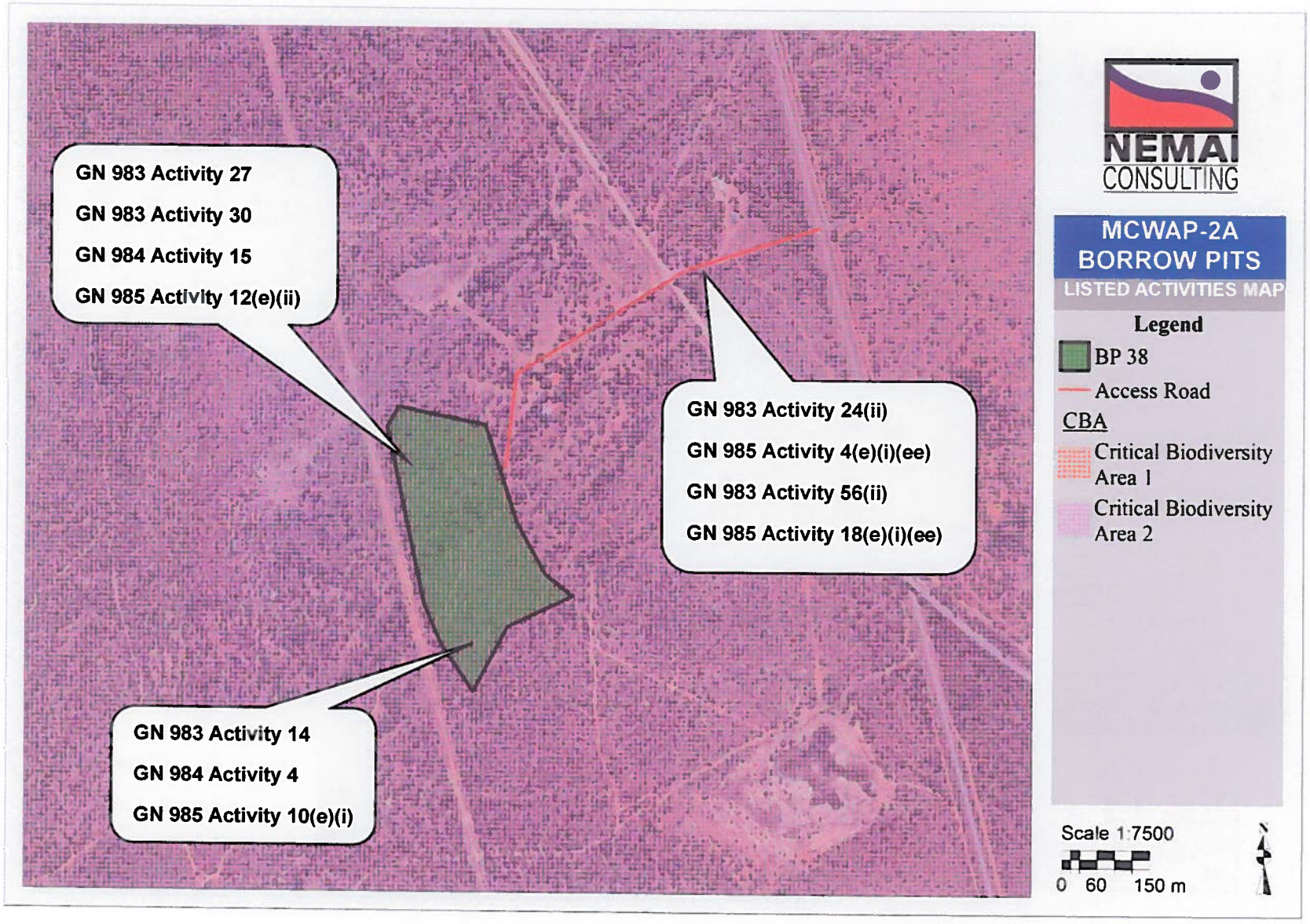
BP 33


GN 983 Activity 27
GN 983 Activity 30
GN 984 Activity 15
GN 983 Activity 24(ii)
GN 985 Activity 4(e)(i)(ee) (gg)
GN 985 Activity 18(e)(i)(ee)(gg)
GN 983 Activity 14
GN 984 Activity 4
GN 985 Activity 10(e)(i)
NEMAI CONSULTING
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
N

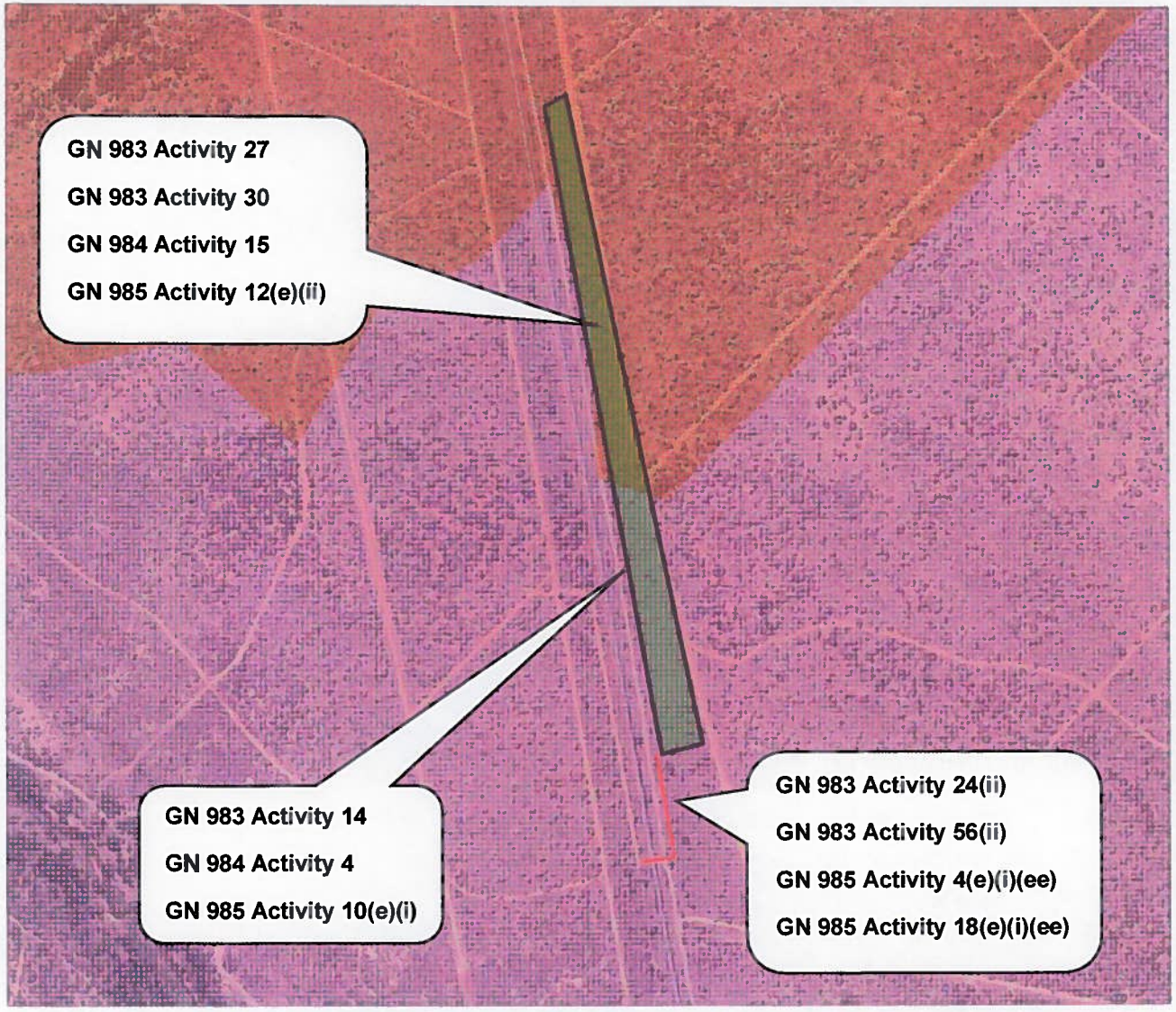
BP 41


GN 983 Activity 14
GN 984 Activity 4
GN 985 Activity 10(e)(i)
GN 983 Activity 24(ii)
GN 985 Activity 4(e)(i)(ee)
GN 985 Activity 18(e)(i)(ee)(gg)
GN 983 Activity 27
GN 983 Activity 30
GN 984 Activity 15
GN 985 Activity 12(e)(ii)
NEMAI CONSULTING
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

BP 38


GN 983 Activity 27
GN 983 Activity 30
GN 984 Activity 15
GN 985 Activity 12(e)(ii)
GN 983 Activity 24(ii)
GN 985 Activity 4(e)(i)(ee)
GN 983 Activity 56(ii)
GN 985 Activity 18(e)(i)(ee)
GN 983 Activity 14
GN 984 Activity 4
GN 985 Activity 10(e)(i)
NEMAI CONSULTING
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

BP 39



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

- BP 39
- Access Road

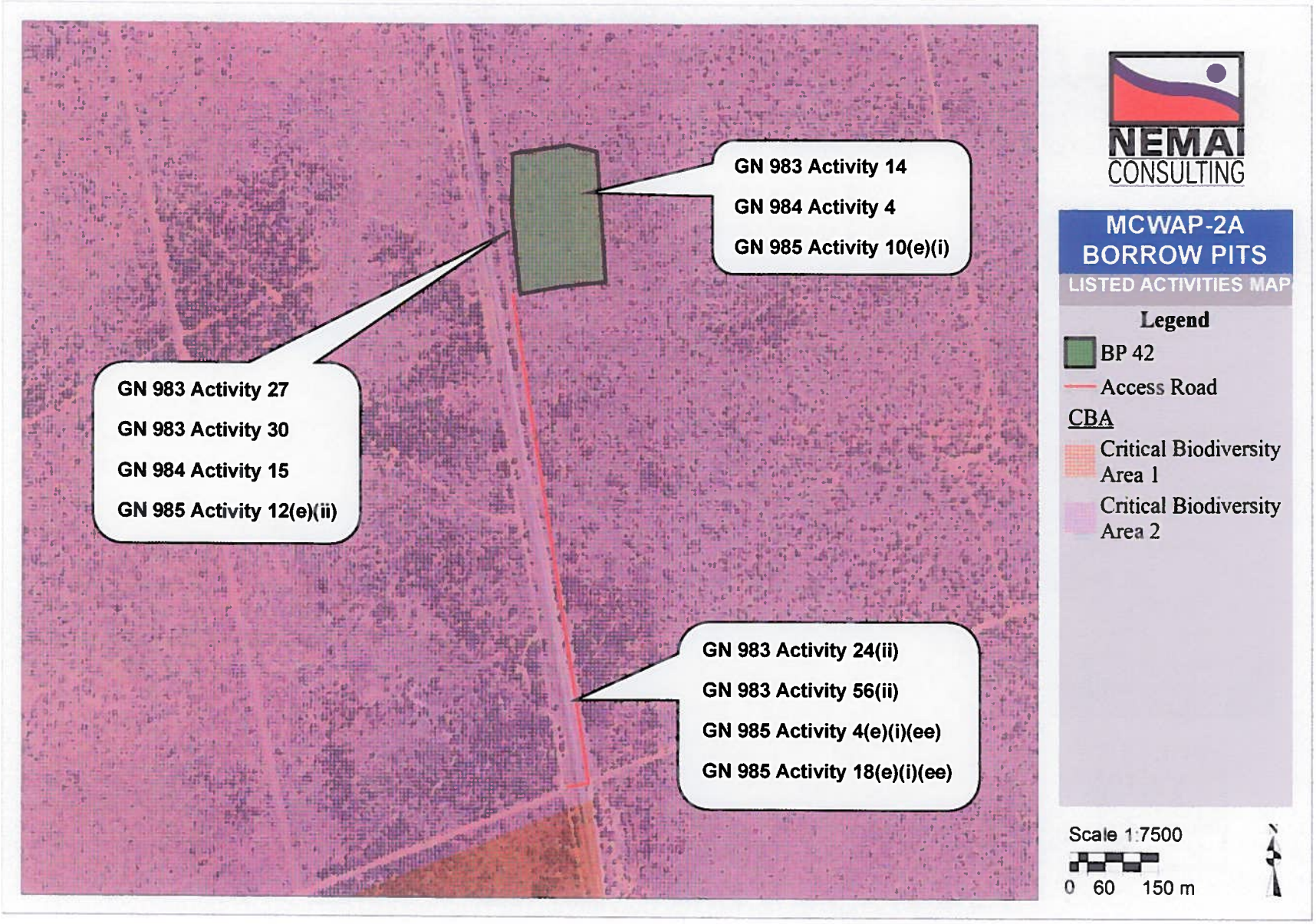
CBA

- Critical Biodiversity Area 1
- Critical Biodiversity Area 2

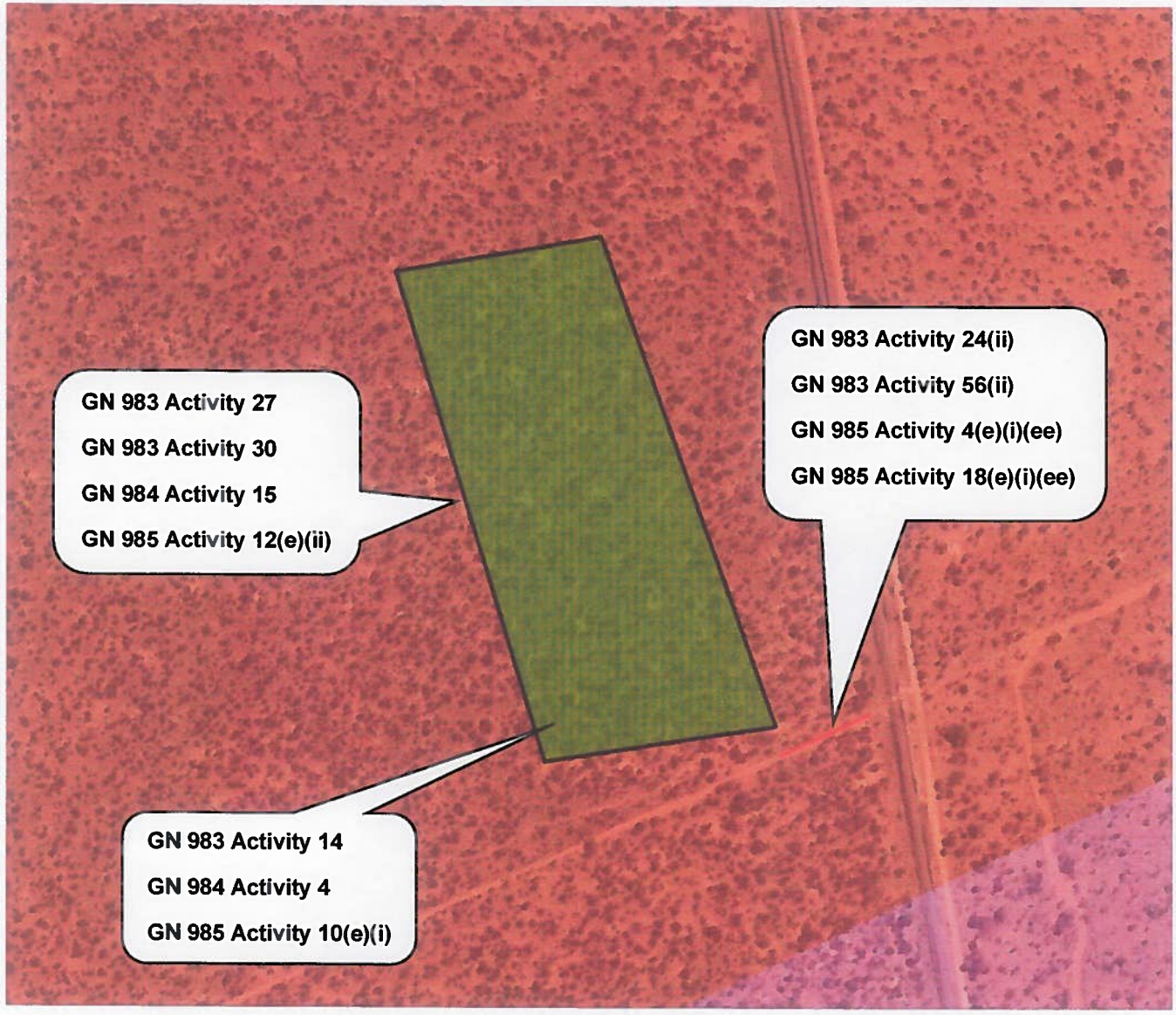
Scale 1:7500

0 60 150 m

BP 42


GN 983 Activity 14
GN 984 Activity 4
GN 985 Activity 10(e)(i)
GN 983 Activity 27
GN 983 Activity 30
GN 984 Activity 15
GN 985 Activity 12(e)(ii)
GN 983 Activity 24(ii)
GN 983 Activity 56(ii)
GN 985 Activity 4(e)(i)(ee)
GN 985 Activity 18(e)(i)(ee)
NEMAI CONSULTING
MCWAP-2A
BORROW PITS
LISTED ACTIVITIES MAP
Legend
BP 42
Access Road
CBA
Critical Biodiversity Area 1
Critical Biodiversity Area 2
Scale 1:7500
0 60 150 m

BP 44



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

BP 44

Access Road

CBA

Critical Biodiversity Area 1

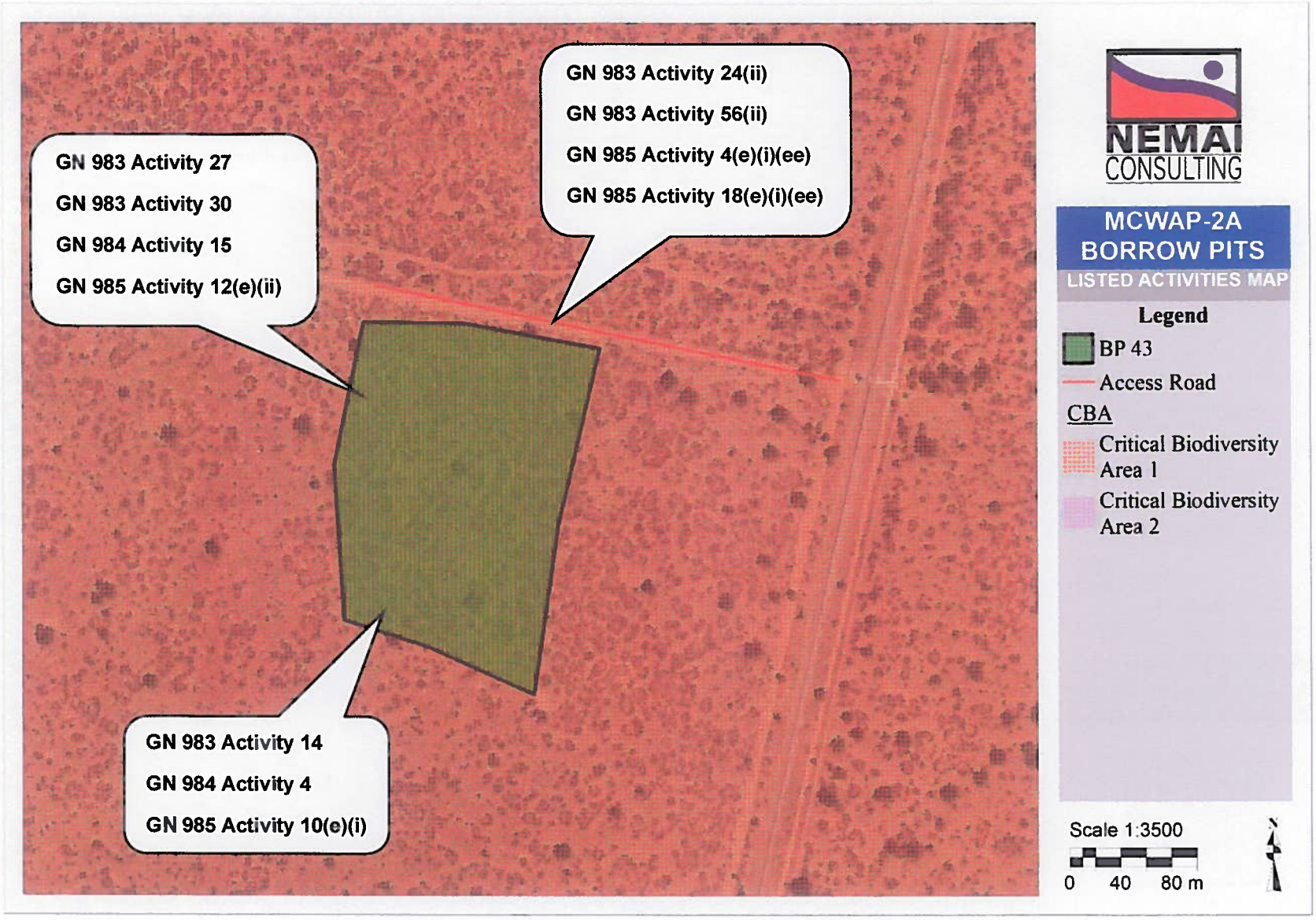
Critical Biodiversity Area 2

Scale 1:3500

0 40 80 m

N

BP 43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GN 983 Activity 56(ii)
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GN 985 Activity 18(e)(i)(ee)
GN 983 Activity 27
GN 983 Activity 30
GN 984 Activity 15
GN 985 Activity 12(e)(ii)
GN 983 Activity 14
GN 984 Activity 4
GN 985 Activity 10(e)(i)
NEMAI CONSULTING
MCWAP-2A BORROW PITS
LISTED ACTIVITIES MAP
Legend
BP 43
Access Road
CBA
Critical Biodiversity Area 1
Critical Biodiversity Area 2
Scale 1:3500
0 40 80 m

BP 53

NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

BP 53

CBA

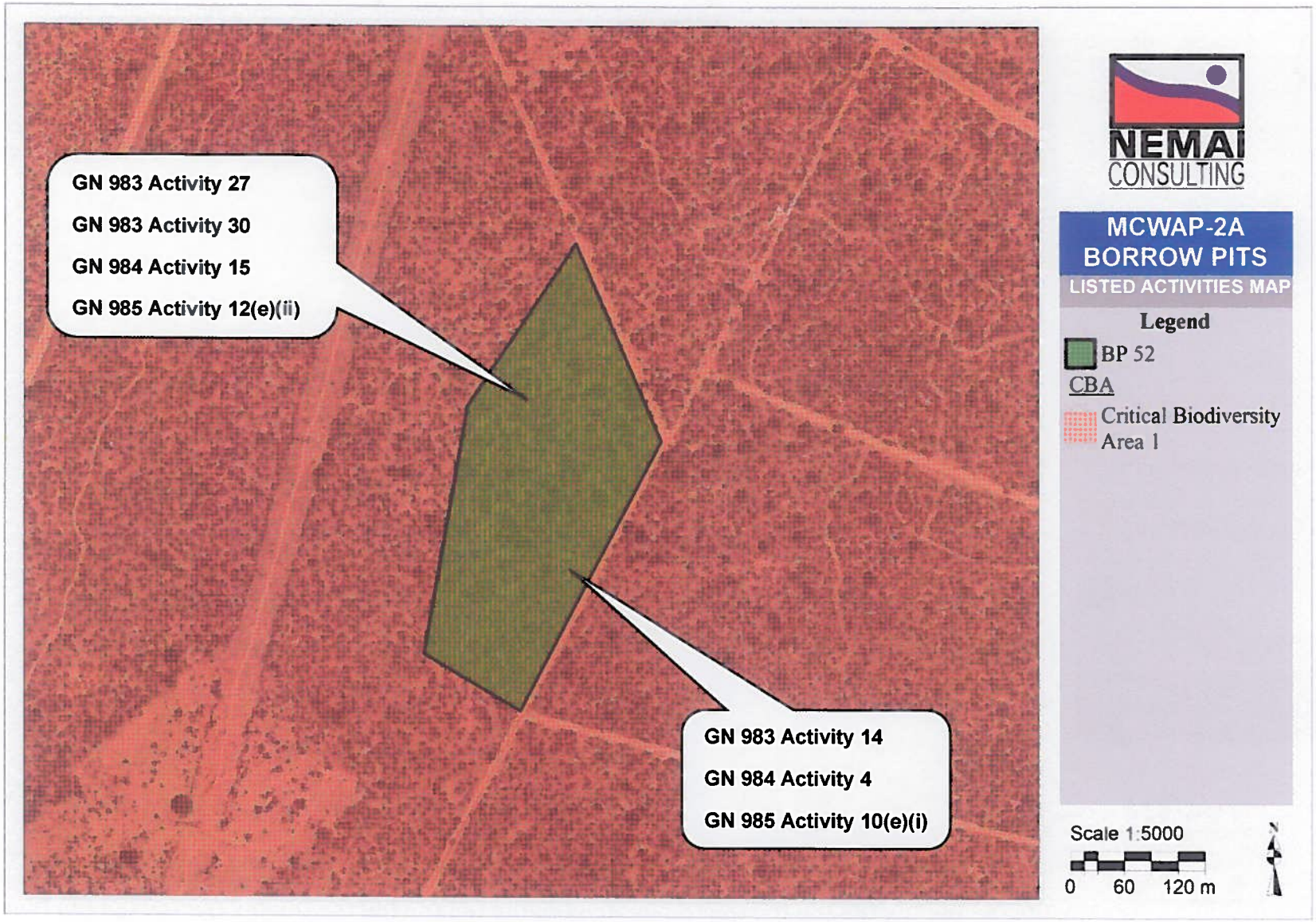
Critical Biodiversity Area 1

Critical Biodiversity Area 2

Scale 1:3500

0 40 80 m

BP 52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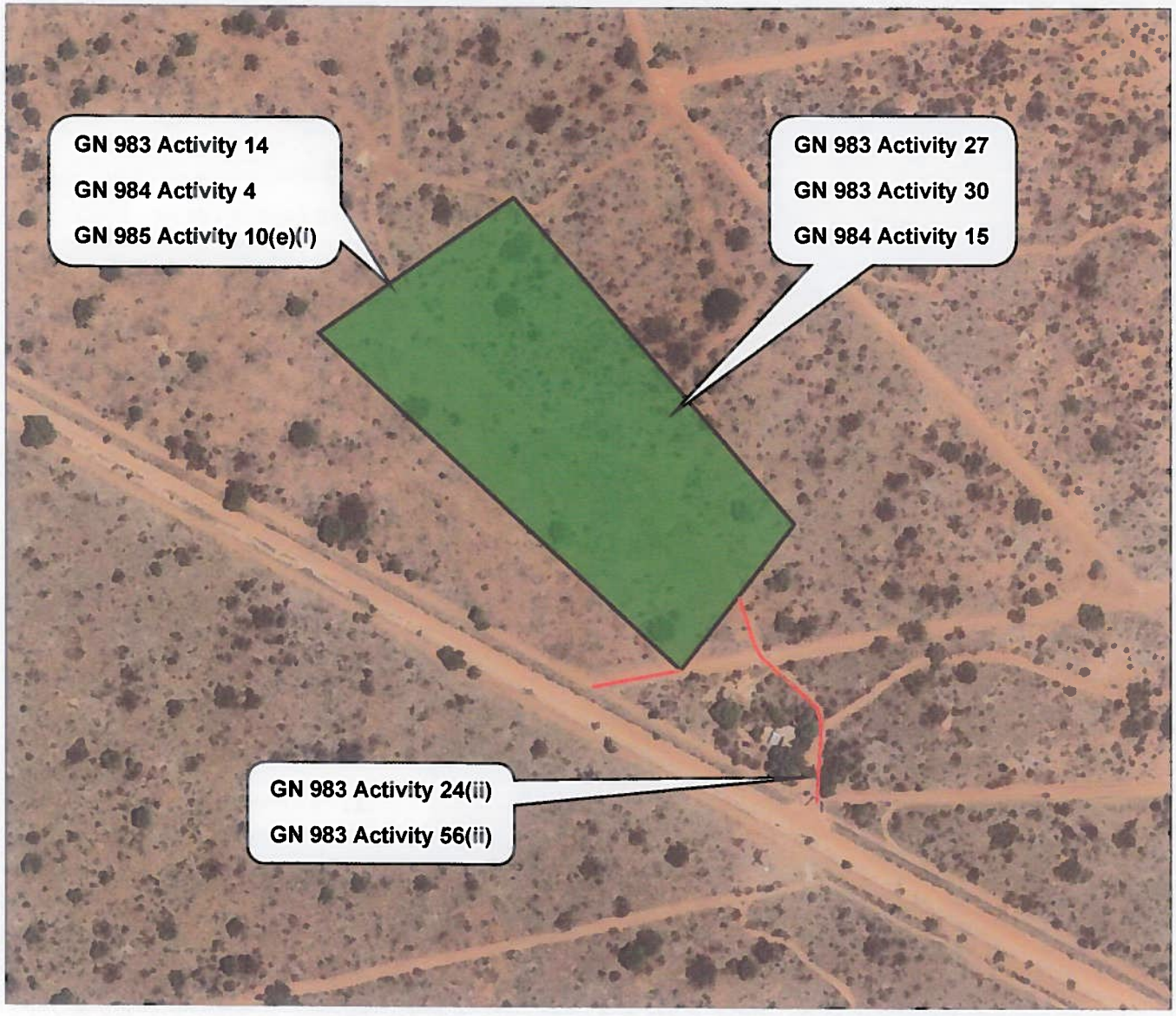
GN 983 Activity 30
GN 984 Activity 15
GN 985 Activity 12(e)(ii)
GN 983 Activity 14
GN 984 Activity 4
GN 985 Activity 10(e)(i)
NEMAI CONSULTING
MCWAP-2A BORROW PITS
LISTED ACTIVITIES MAP
Legend
BP 52
CBA
Critical Biodiversity Area 1
Scale 1:5000
0 60 120 m

BP 50



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

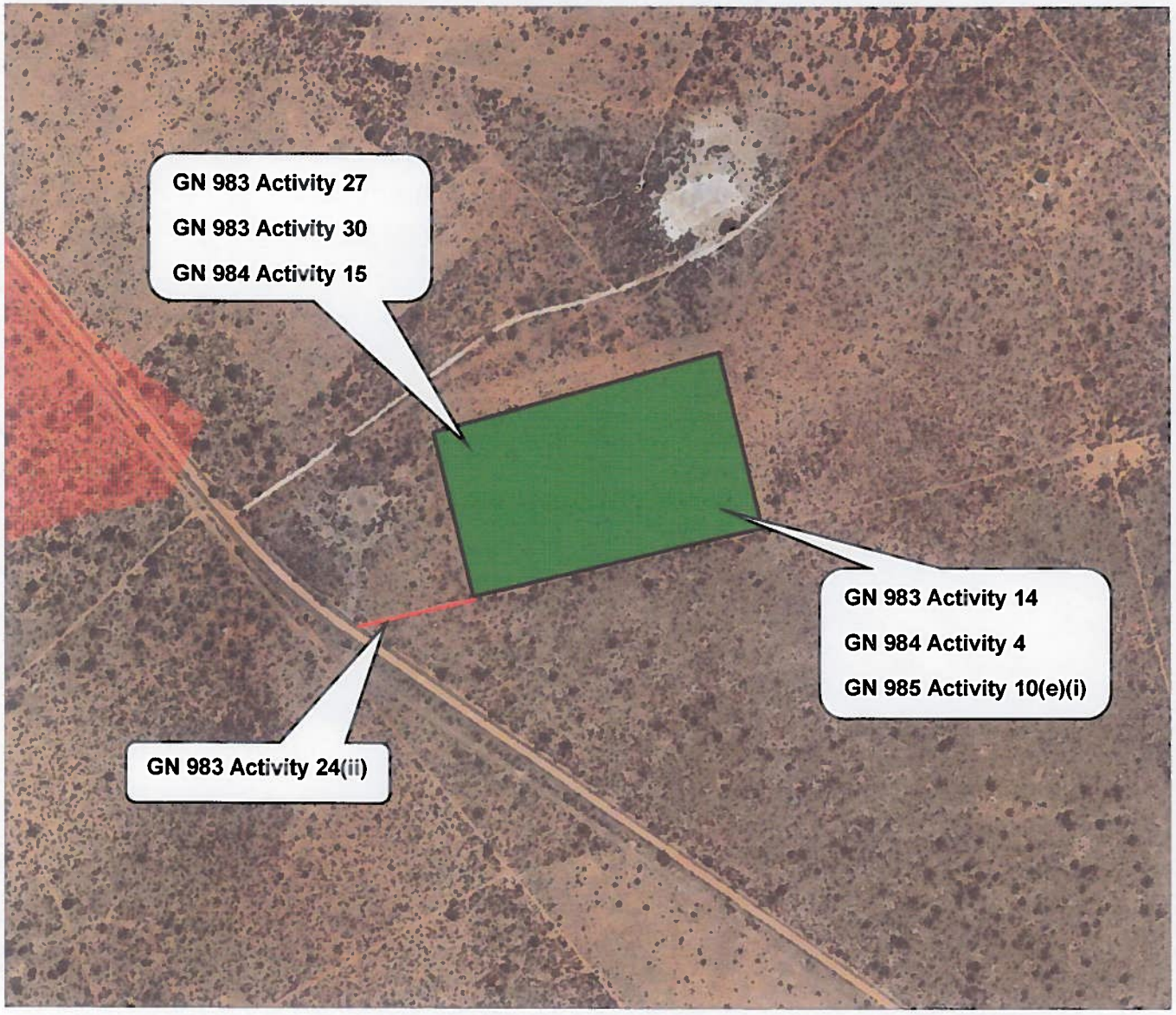
BP 50

Access Road

Scale 1:3500

0 40 80 m

BP 48



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

BP 48

Access Road

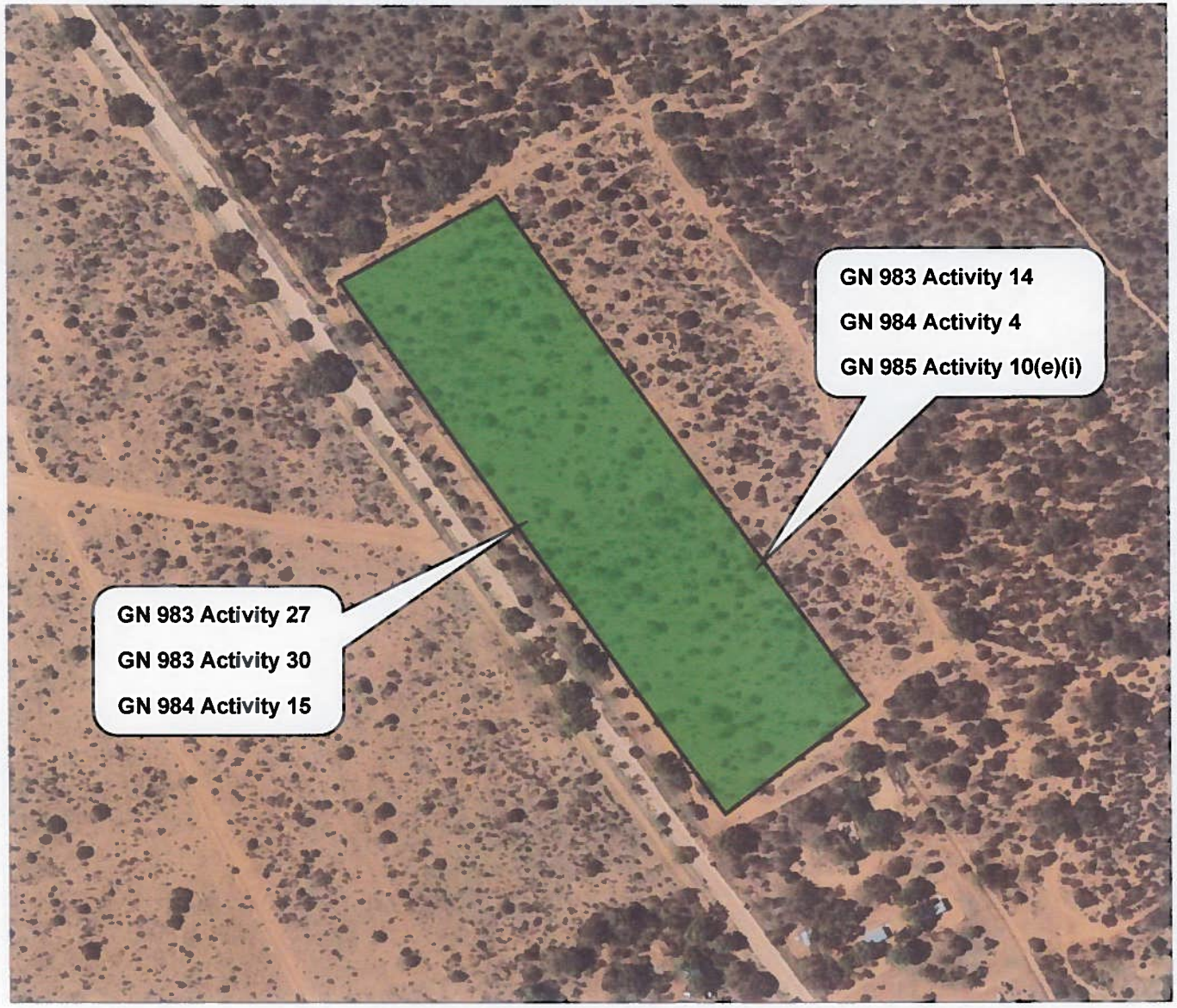
CBA

Critical Biodiversity Area 1

Scale 1:7500

0 60 150 m

BP 49



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

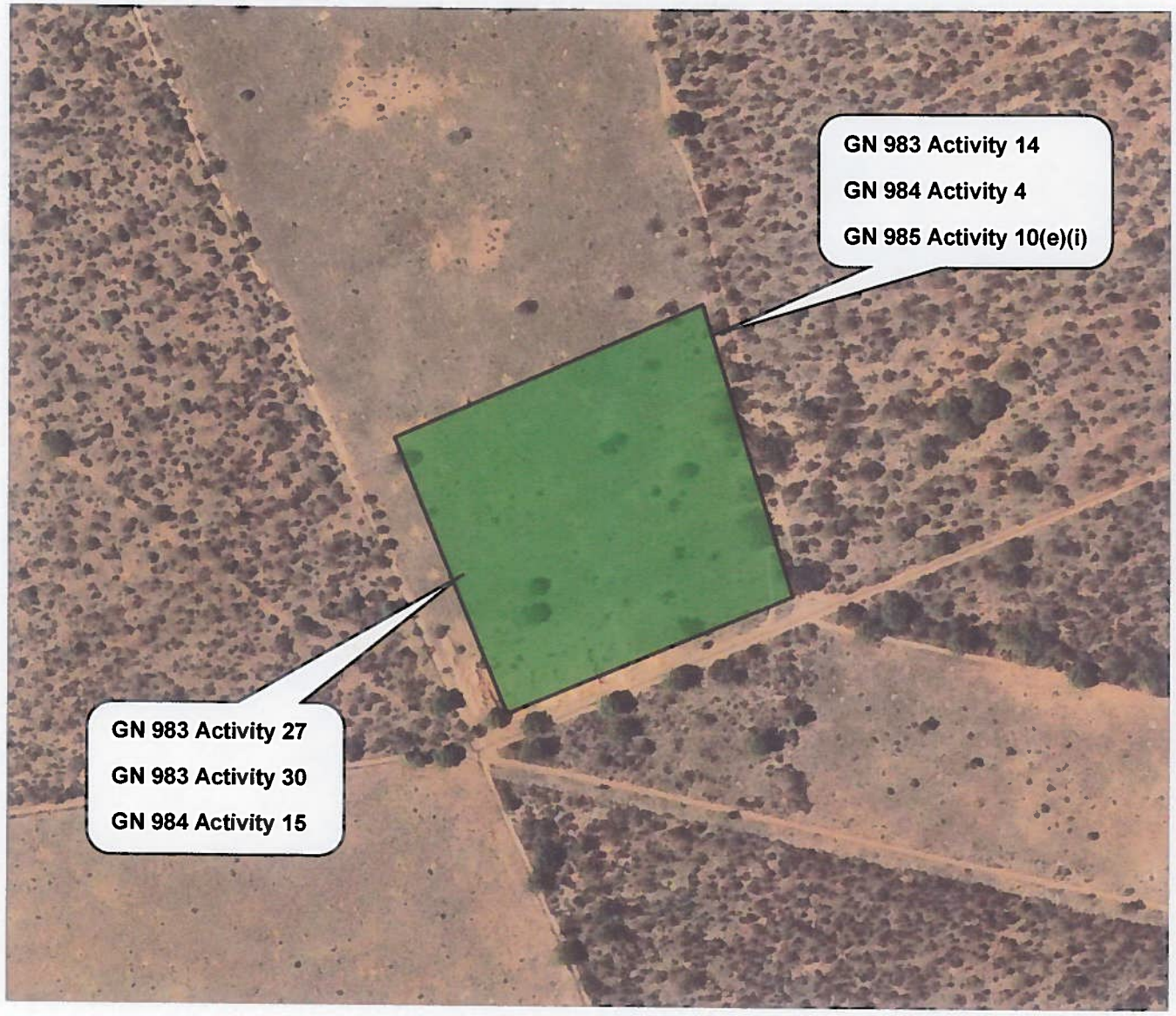
BP 49

Scale 1:3500

0 40 80 m

N

BP 15



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

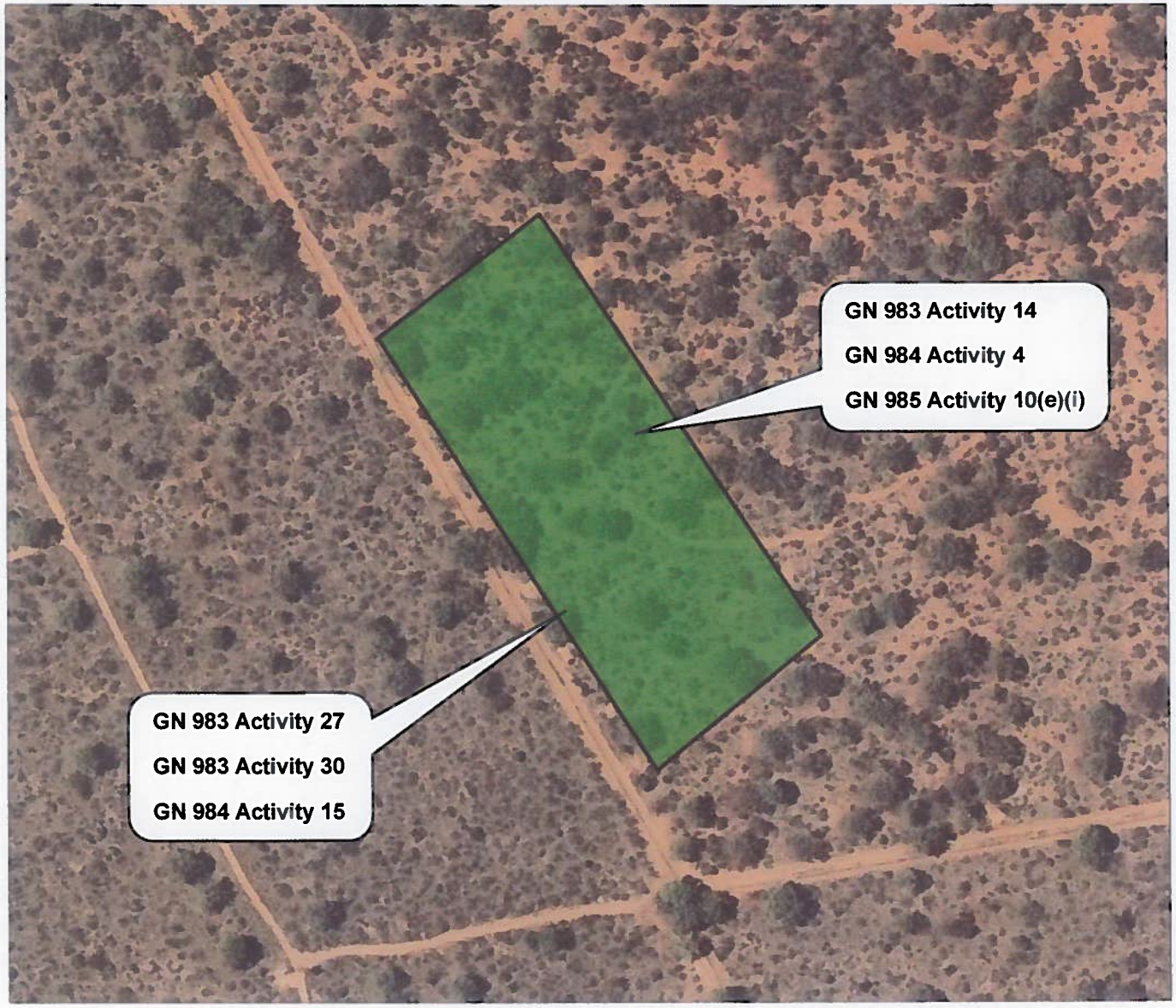
Legend

BP 15

Scale 1:3500

0 40 80 m

BP 46



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

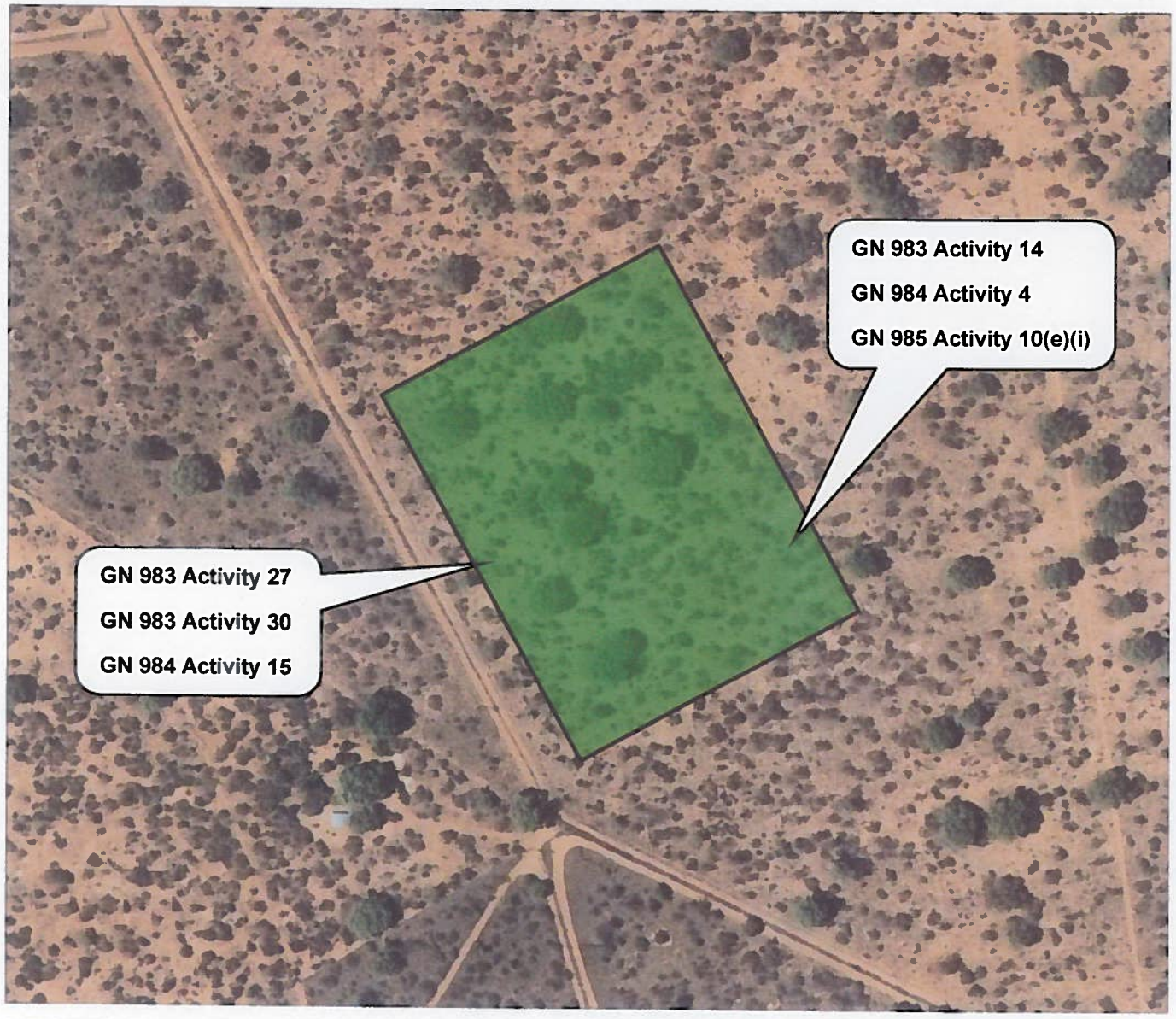
Legend

BP 46

Scale 1:2500

0 30 60 m

BP 59



NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

BP 59

Scale 1:2500

0 30 60 m

BP 13

NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

BP 13

Access Road

Scale 1:7500

0 60 150 m

BP 14

NEMAI CONSULTING

MCWAP-2A BORROW PITS

LISTED ACTIVITIES MAP

Legend

BP 14

Access Road

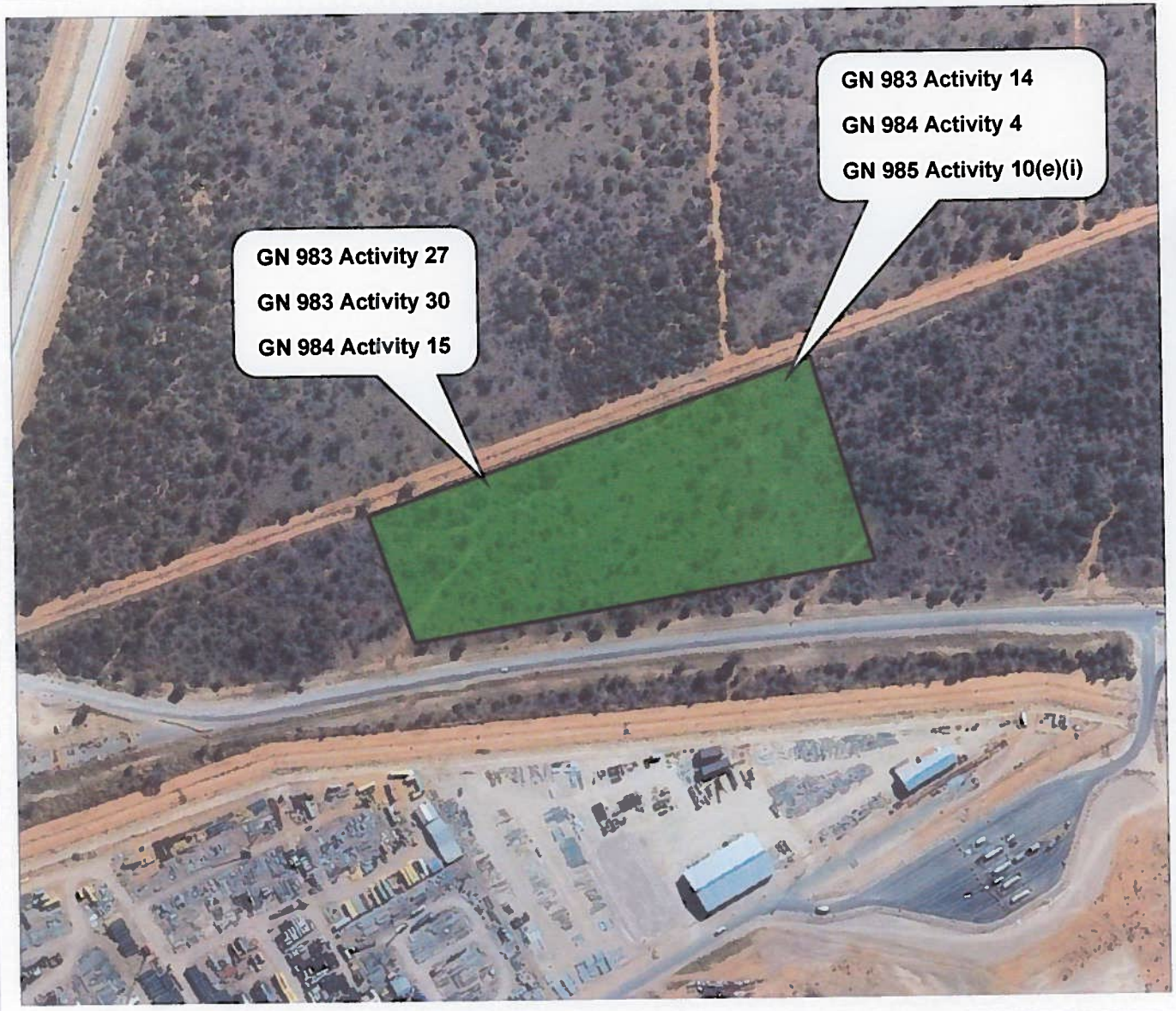
CBA

Critical Biodiversity Area 1

Scale 1:6000

0 60 120 m

BP 51



NEMAI CONSULTING

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 0f 1993);*

APPENDIX 6

DIRECLTY 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	LEEUWBOSCH
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	T0KQ00000000081900000

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	T0LQ00000000038600000

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: Donavan Henning
To:
Cc:
Sent: Mon 16/05/2016 02:22 PM
Bcc: Donavan Henning; 'jpgrobler1@telkomsa.net'; 'hanover@thabanet.co.za'; 'albert.duplessis@angloamerican.com'; 'hellet.hattingh@angloamerican.com'; 'albert.duplessis@angloamerican.com'; 'hellet.hattingh@angloamerican.com'; 'meesaldc@gmail.com'; 'nolte@notesafaris.co.za'; 'marthinus.mare@angloplat.com'; 'willows@webmail.co.za'; 'herton@telkomsa.net'; 'mandscoetzee@absamail.co.za'; 'mhcoetzee1978@gmail.com'; 'coetza@absamail.co.za'; 'koemet@eastrandcranes.co.za'; 'cbotha03@amplats.co.za'; 'chrispy@wol.co.za'; 'carelpelser@gmail.com'; 'albert.duplessis@angloamerican.com'; 'hellet.hattingh@angloamerican.com'; 'rubin@thabatholo.co.za'; 'tusserkoms@telkomsa.net'
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Message: 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf; 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf; 10580- 20160513 - MKWAP-2 AID.pdf; 10580 - 20160513 - Terugvoeringsvorm.docx; 10580 - 20160511 - MCWAP-2 WTS Ortho 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) WATERAANVULLINGSPROJEK (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).

From: Donavan Henning
To:
Cc:
Sent: Mon 16/05/2016 02:22 PM
Bcc: Donavan Henning; 'rubin@thabatholo.co.za'; 'melderberg@gmail.co.za'; 'johanpinsloo@xpress.co.za'; 'tertius.roux@gmail.com'; 'trutool@vodamail.co.za'; 'dixsteel@mweb.co.za'; 'BeccaroA@advancedlab.co.za'; 'pivisser@mweb.co.za'
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Message: 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf; 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf; 10580- 20160513 - MKWAP-2 AID.PDF; 10580 - 20160513 - Terugvoeringsvorm.docx; 10580 - 20160511 - MCWAP-2 WTS Ortho 5.jpg

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) WATERAANVULLINGSPROJEK (MKWAP): WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To:
Cc:
Sent: Mon 16/05/2016 02:22 PM
Bcc: Donavan Henning; 'hannes@gamefest.co.za'; 'leon.fouche@africa.com'; 'dirk@csc.co.za'; 'hennevdlinde@xsnet.co.za'; 'africa-4u@lantic.net'; 'trocgrimes@hotmail.com'; 'sakkoevanderwalt03@gmail.com'; 'meerkat6000@gmail.com'; 'vicki@reinhardt.co.za'; 'denck@reinhardt.co.za'; 'mbenade1@gmail.com'
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Message: 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf; 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf; 10580- 20160513 - MKWAP-2 AID.PDF; 10580 - 20160513 - Terugvoeringsvorm.docx; 10580 - 20160511 - MCWAP-2 WTS Ortho 4.jpg

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) WATERAANVULLINGSPROJEK (MKWAP): WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To:
Cc:
Sent: Mon 16/05/2016 02:22 PM
Bcc: Donavan Henning; 'africahuntlodge@gmail.com'; 'bnpro@tscall.co.za'; 'naanras@absamail.co.za'; 'williams@servest.co.za'; 'theuns@danrec.net'; 'info@matlabesnverlodge.com'; 'info@krabo.co.za'; 'coenen@agrinet.co.za'; 'krayles@global.co.za'; 'esonntag@mweb.co.za'; 'harold@matlabesreserve.co.za'; 'rita@matlabesreserve.co.za'; 'jb@westruzen.co.za'; 'mosseph@vodamail.co.za'
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 3.jpg

NOTICE OF ENVIRONMENTAL ASSESSMENT

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

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To:
Cc:
Sent: Mon 16/05/2016 02:22 PM
Bcc: Donavan Henning; 'info@cheetahsafaris.co.za'; 'pgbsafaris@yahoo.com'; 'tom@fontsi.co.za'; 'berneg@lantic.net'; 'ben@benbos.co.za'; 'bdelta@lantic.net'; 'nmountany@gmail.com'; 'marie@urejindi.com'; 'john@legacycorp.co.za'; 'michelle@legacycorp.co.za'; 'talecastro@hotmail.com'
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 2.jpg

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) WATERAANVULLINGSPROJEK (MKWAP): WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To:
Cc:
Sent: Mon 16/05/2016 02:22 PM
Bcc: Donavan Henning; 'jurisbrahmane@gmail.com'; 'frans.kemp@exxaro.com'; 'maruscbarnard@vodamail.co.za'; 'taffanm@eskom.co.za'; 'frans.kemp@exxaro.com'; 'hennie@fer-min-ore.co.za'; 'peter@estategroup.co.za'; 'leesvolst@vodamail.co.za'; 'bububush@lantic.net'; 'herdus@lantic.net'; 'gerrit.college@lantic.net'; 'spinncity@gmail.com'; 'stampie.nel@exxaro.com'; 'filomaine.swanepoel@exxaro.xom'; 'mansss@mweb.co.za'; 'germhyd@mweb.co.za'; 'hennsuzette@gmail.com'; 'pdb@dmv.co.za'; 'balde.de.beer@gmail.com'; 'hunong@selectsafaris.co.za'; 'weiring.jan@gmail.com'; 'jm@bestmed.co.za'; 'lbnicolai@bokarabelo.co.za'; 'hein.boegman@za.pwc.com'
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 1.jpg

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) WATERAANVULLINGSPROJEK (MKWAP): WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: 'GawieP@fidelitysecurity.co.za'
Cc:
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Tue 17/05/2016 05:00 AM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 2.jpg

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) WATERAANVULLINGSPROJEK (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).

From: Donavan Henning
To: hennedeysel@gmail.com
Cc:
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Tue 17/05/2016 03:25 PM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 1.jpg

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) WATERAANVULLINGSPROJEK (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).

From: Donavan Henning
To: 'jydmerwe@vodamail.co.za'
Cc:
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Tue 17/05/2016 03:47 PM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 1.jpg

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) WATERAANVULLINGSPROJEK (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).

From: Donavan Henning
To: Hannes@uniqon.co.za
Cc:
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Wed 18/05/2016 10:07 AM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 1.jpg

NOTICE OF ENVIRONMENTAL ASSESSMENT

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KENNISGEWING VAN OMGEWINGSBEPALING

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

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: joseph@wilsonslaw.co.za
Cc:
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Wed 18/05/2016 11:34 AM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 4.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) WATERAANVULLINGSPROJEK (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).

From: Donavan Henning
To:
Cc:
Bcc: willedeswardt@telkomsa.net
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar kennisgewing
Sent: Wed 18/05/2016 03:33 PM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 4.jpg

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: 'buffalocreek@webmail.co.za'
Cc:
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Fri 20-05-2016 11:52 AM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 4.jpg

NOTICE OF ENVIRONMENTAL ASSESSMENT

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

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: 'hlis@absamail.co.za'
Cc:
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Mon 23-05-2016 05:39 AM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 1.jpg

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: 'proteafarms@mtnloaded.co.za'
Cc:
Subject: FW: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Fri 03-06-2016 01:49 PM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580 - 20160516 - General Landowner Notification MCWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.pdf | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 6.jpg

From: Donavan Henning
Sent: 16 May 2016 02:22 PM
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing

NOTICE OF ENVIRONMENTAL ASSESSMENT

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

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: 'hasrath@mweb.co.za'
Cc:
Subject: FW: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Fri 03/06/2016 03:11 PM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 1.jpg

From: Donavan Henning
Sent: 16 May 2016 02:22 PM
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: 'fransmar281@gmail.com'
Cc:
Subject: FW: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing
Sent: Fri 03/06/2016 02:57 PM

Message | 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf | 10580- 20160513 - MKWAP-2 AID.PDF | 10580 - 20160513 - Terugvoeringsvorm.docx | 10580 - 20160511 - MCWAP-2 WTS Ortho 4.jpg

Goeie dag

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

Verwys asseblief na die aangehegte inligting aangaande die beoogde Mokolo En Krokodil (Wes) Wateraanvullingsprojek.

Groete
Donavan Henning

Nemai Consulting
Tel : (011) 781 1730
Fax : (011) 781 1731
Mobile : 082 891 0604
Email : donavanh@nemai.co.za
Address : 147 Brom Fischer Drive Ferndale, 2194
Postal Address : PO Box 1673, Sunninghill, 2157

NEMAI CONSULTING

From: Donavan Henning
Sent: 16 May 2016 02:22 PM
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondeienaar Kennisgewing

NOTICE OF ENVIRONMENTAL ASSESSMENT

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- 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°58'26.99"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

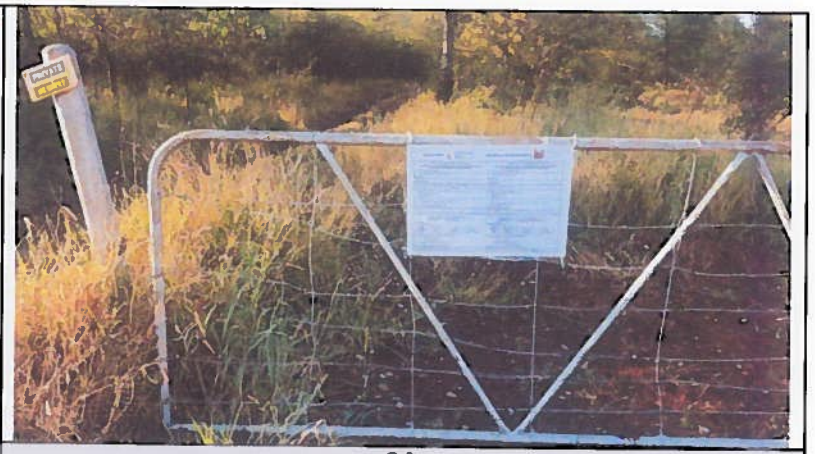
Photo Ref. No.		
		
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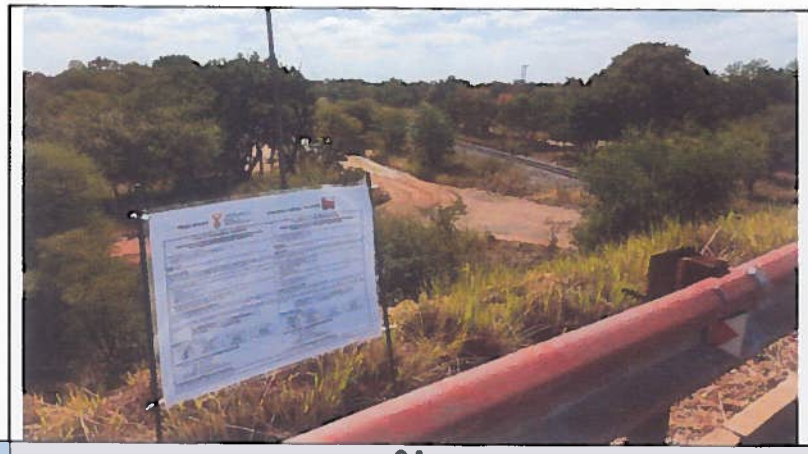
Photo Ref. No.		
		
	3A	4A

		
Photo Ref. No.	5A	6A

		
Photo Ref. No.	7A	8A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	13A	14A

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	15A	16A

Photo Ref. No.	17A	18A
		

Photo Ref. No.	19A	20A
		

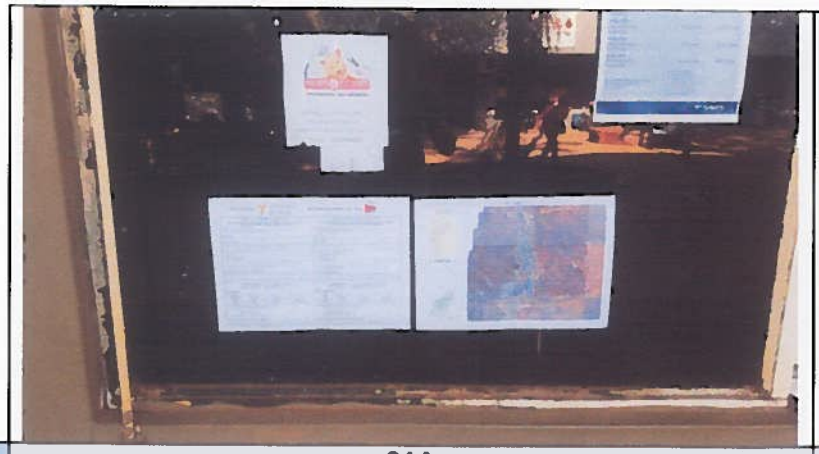
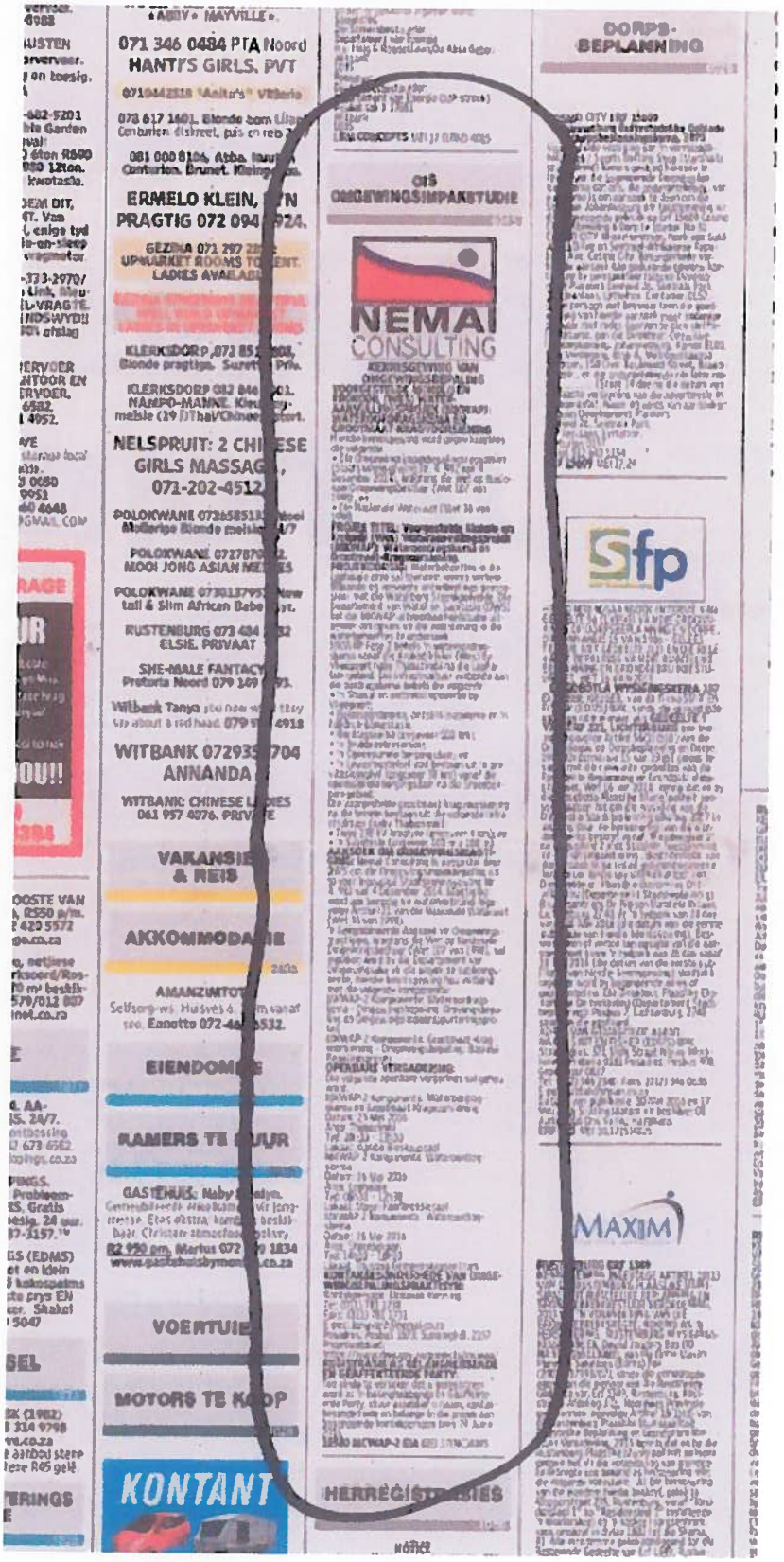
Photo Ref. No.	21A	22A
		

Photo Ref. No.	23A
	

PROOF OF ADVERTS



071 346 0484 PTA Noord
HANTI'S GIRLS. PVT

ERMELO KLEIN,
PRAGTIG 072 094 924.

NELSPRUIT: 2 CHINESE
GIRLS MASSAGE
071-202-4512

WITBANK 072935 704
ANNANDA

VAKANSIE & REIS

AKKOMMODASIE

EIENDOMME

KAMERS TE HUUR

VOERTUIE

MOTORS TE KOOP

KONTANT

DIS
OMGEWINGSIMPAKSTUDIE

NEMAI CONSULTING

DORPS-
BEPLANNING

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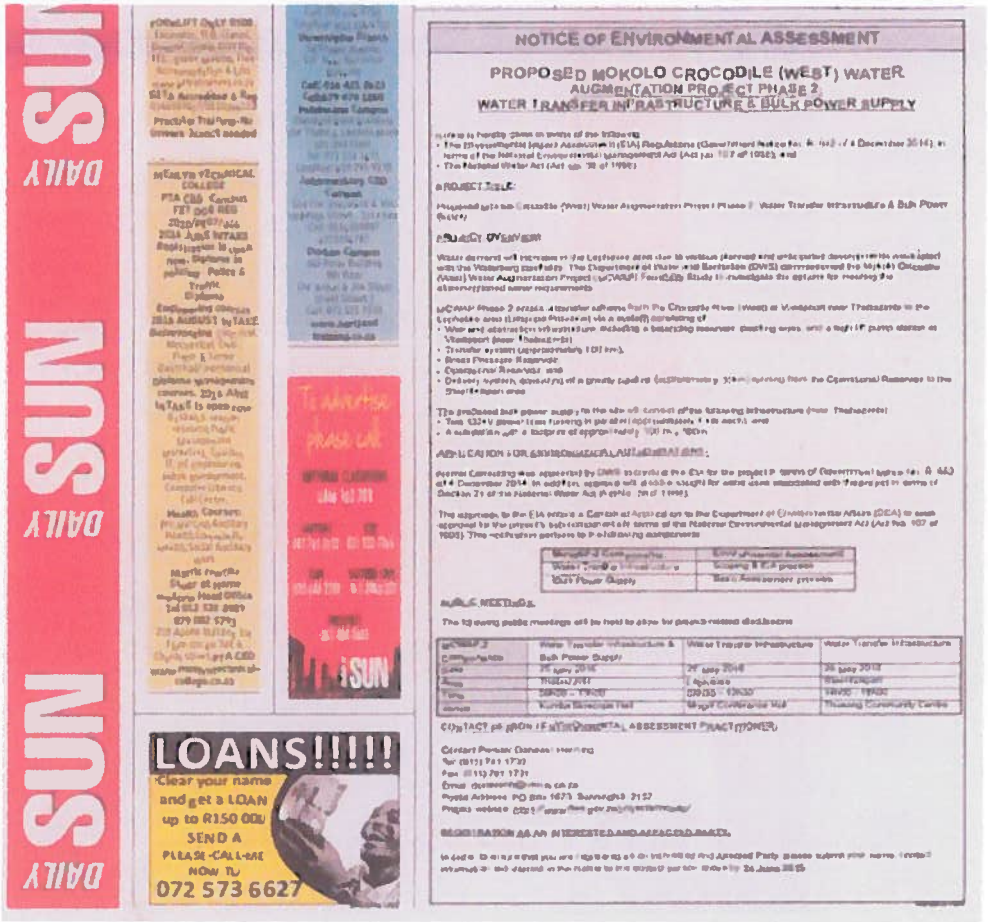
MAXIM

HERREGISTRASIES

DIE BEELD



DAILY SUN

NOTICE OF ENVIRONMENTAL ASSESSMENT

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

LOANS!!!!!
Clear your name and get a LOAN up to R150 000
SEND A PLEASE-CALL-ME NOW TO
072 573 6627

DAILY SUN

Limpopo province shone

The Limpopo leg of the National Tooling Initiative Programme (NTIP) awards that took place at Mokopane on Tuesday 10 May have put Limpopo Province on the map as a province that excels within the tooling and manufacturing sector.

The Awards ceremony forms a partnership between NTIP and the Limpopo Department of Economic Development and Tourism (Ledet) to honour the 37 students who completed the Foundation phase of the Tool, Die and Mould Making (TDM) qualification for Steelport and Lephalale students, a qualification offered by NTIP and certified by the Toolmaking Association of South Africa (TASA).

The top three students are also awarded for performing exceptionally well nationally in their theoretical and practical work, out of the three students the 3rd position was awarded to Ms. Portia Nkadimeng from Lephalale and the 1st position was awarded to Mr. Ocean Seghabe from Steelpoort making the Limpopo province shine with two of the overall national winners coming from the province. The awards were attended by the CEO of the National Tooling Initiative Programme, Mr. Dirk Van Dyk, the Campus Manager of Lephalale TVET College Ms. Rina van Jaarsveld and Ledet officials, led by Mr. John Mohlala, Acting Director of Sector Development, proving that the partnership between the NTIP and the Limpopo province is yielding results in the lives of these young and aspiring toolmakers.

Portia Nkadimeng and Ocean Seghabe

(Photo supplied)

Mogol parkrun

LEPHALALE — The 101st Mogol parkrun was held on Saturday 14 May. Herewith the results:

Male placings:

Dirro MODISE (VM35-39) (Unattached) was first over the line in 18:50 - 12th time in 64 appearances.

Murangi MULAUDZI (JM15-17) (Unattached) was second over the line in 19:41.

Hosea MONTJA (SM25-29) (Unattached) was third over the line in 20:34 - has been first to finish on nine previous occasions.

Current standing in the Men's annual points competition:

Anton DU TOIT (Unattached) 3 737 pts

Dirro MODISE (Unattached) 3 724 pts

Andre STEVENS (Unattached) 3 569 pts

Female placings:

Magagula MARCIA (VW35-39) (Unattached) was first (17th overall) over the line in 25:13 - 6th time in 14 appearances.

Naledi SATEKGE (SW30-34) of Eskom Athletic Club (Limpopo) was second (30th overall) over the line in 26:47.

Linda STAATS (VW50-54) (Unattached) was third (33rd overall) over the line in 29:23 - was first to finish once before.

Current standing in the Women's annual points competition:

Linda STAATS (Unattached) 3 451 pts.

Suna MACKENZIE (Unattached) 3 344 pts.

Rene LUBBE (Unattached) 2 987 pts.

The following runners recorded the best Age Grade scores:

Murangi MULAUDZI (JM15-17) was graded 70.79% for the time 19:41 (second overall).

Dirro MODISE (VM35-39) was graded 70.51% for the time 18:56 (first overall).

Keitumetse LEFAWANE (JM11-14) was graded 66.86% for the time 22:53 (11th overall).

This week there were 117 runners, of whom seven were first timers and 25 recorded new Personal Bests. Representatives of six different athletics clubs took part.

Mogol parkrun started on 14 June 2014, and since then 1 152 different runners, including participants from 29 athletics clubs, have completed 9 672 runs covering a total distance of 48 360 km and there have been 1 660 new Personal Bests.

The female record is held by Bessie GEYSER who ran in a time of 00:21:45 on 2014-09-06 (event number 12).

The male record is held by Caleb MOKHOLOLO who ran in a time of 00:16:26 on 2014-10-18 (event number 18).

The Age Grade course record is held by Caleb MOKHOLOLO who recorded a 78.60% run (16:26) on 18th October 2014 (event number 18).

Saturday's full results and a complete event history can be found on the Mogol parkrun Results Page.

KENNISGEWING VAN OMGEWINGSBEPALING

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- Die Nasionale Waterwet (Wet 36 van 1998).

PROJEK TITEL:

Voorgestelde Mokolo en Krokodil (Wes) Wateraanvullingsprojek (MKWAP): Waterroordragskema en Grootmaat-kragvoorsiening.

PROJEKOORSIG:

Watertekortes in die Lephalale area sal toenemend weens verskeie bestande en verwagte ontwikkelings gekoppel met die Waterberg Steenkoolvelde. The Department van Water en Sanitasie (DWS) het die MKWAP-uitvoerbaarheidstudie uitgevoer om opsies vir die voorsiening in die waterbehoeftes te ondersoek.

MKWAP Fase 2 behels 'n waterroordragskema vanaf die Krokodilrivier (Wes) by Vlieepoort naby Thabazimbi na die Lephalale-gebied. Die infrastruktuur verbonde aan die oordragskema behels die volgende:

- 'n Stuwal en ontrekkingswerke by Vlieepoort;
- Balanswerkstamme, ontlikkingswerke en 'n bedrukpompstasie;
- Oordragskema (ongeveer 100 km);
- 'n Bruikleenreservoir;
- 'n Operasionele bergingsdam; en
- 'n Leweringstelsel wat bestaan uit 'n gravitasiepyplyn (ongeveer 30 km) vanaf die operasionele bergingsdam na die Steenkoolpan-gebied.

Die voorgestelde grootmaat-kragvoorsiening na die terrein bestaan uit die volgende infrastruktuur (naby Thabazimbi):

- Twee 132 kV kraglyne (ongeveer 4 km); en
- 'n Substasie (ongeveer 100 m x 100 m).

AANSOEK OM OMGEWINGSMAGTIGING:

Nemo Consulting is aangestel deur DWS om die Omgewingsimpakbepaling uit te voer ingevolge Staatskennisgewing Nr R. 982 van 4 Desember 2014. Magtiging word ook benodig vir waterverbruike ingevolge Artikel 21 van die Nasionale Waterwet (Wet 36 van 1998).

'n Gekombineerde Aansoek vir Omgewingsmagtiging, kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998), sal ingedien word by die Departement van Omgewingsaake vir die projek se subkomponente. Hierdie kennisgewing hou verband met die volgende komponente:

MKWAP-2 Komponente	Omgewingsbepaling
Waterkontragskema	Omvangsbepaling en Omgewingsimpakrapporteringsproses
Grootmaat-Kragvoorsiening	Basiese Bepalingsproses

OPENBARE VERGADERING:

Die volgende openbare vergaderings sal gehou word:

MKWAP-2 Komponente	Waterroordragskema en Grootmaat-Kragvoorsiening	Waterkontragskema	Waterkontragskema
Datum	25 Mei 2016	26 Mei 2016	26 Mei 2016
Area	Thabazimbi	Lephalale	Steenkoolpan
Tyd	09h00 – 13h00	08h30 – 12h00	14h00 – 18h00
Lokasi	Kumba Bioskoopsaal	Mogol Konferensiesaal	Thusong Gemeenskapsentrum

KONTAKPERSONERHEDE VAN OMGEWINGBEPALINGSPRAKTISYN:

Kontakpersoon: *Dona van Henting*
Tel: *011 781 1730*
Faks: *011 781 1731*
E-pos: *donavann@nemai.co.za*
Posadres: *Postbus 1673, Sunninghill, 2157*
Projekwebblad: *https://www.dwa.gov.za/projects/mkwap/*

REGISTRASIE AS BELANGHEBBENDE EN GEAFFEKTEERDE PARTY:

Ten einde te verseker dat u geregistreer word as 'n Belanghebbende en Geaffekteerde Party, stuur asseblief u naam, kontakbesonderhede en belange in die projek aan bogenoemde kontakpersoon teen 24 Junie 2016.

Efforts paying off

South Africa's Integrated Strategic Management of Rhinoceros is starting to bear fruit, with a recent report showing that the country has turned the tide on rhino poaching.

Acting Minister in The Presidency for Planning, Monitoring and Evaluation, Noseiphe Mapisa-Nqakula, said Cabinet has welcomed the feedback on the Integrated Strategic Management of Rhinoceros, which Environmental Affairs Minister Edna Molewa tabled on Sunday 8 May.

Since the beginning of this year alone, 206 alleged poachers have been arrested.

Between April 2015 and March 2016, there were 49 finalised cases involving 103 accused. Eighty of the accused were convicted, resulting in a conviction rate of 78%.

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.

Skitterende Skemertak

LEPHALALE — Die VLU se Skemertak het skitterende prestasies behaal by die onlangse VLU Noordkongres te Modamolle.

Die tak is besonder trots op Thalina Riesel, wat einde verlede jaar verkies is tot SAVLU president. Sy het die amptelike opening van die kongres waargeneem. Nadat sy VLU Noord gelukgewens het met hul 21ste verjaardag, het sy verduidelik dat die tema, "Werk saam aan 'n beter toekoms", ook die area is van die Wêreldbond van Plattelandse Vroue en dat meer as 10 miljoen vroue oor sewe kontinente saam hieraan werk. "Geen organisasie is ooit suksesvol sonder samewerking nie. Lede word saamgesmee deur 'n gesamentlike doel. Elkeen het sy plek en sy besondere taak en is daarom nodig. Vergeet van persoonlike belange en onrim. Hierdeur is groter as die organisasie nie," sê sy. Sy herinner lede aan die VLU-gebed wat sê, "Dis die klein dingetjies wat verdeel." Sy glo dat swak kommunikasie lei tot misverstande.

Thalina glo dat dit juis nou die tyd is vir samewerking in Suid-Afrika om 'n positiewe toekoms te kan ingaan. Jong lede is die organisasie se toekoms.

Thalina, Delmarie van Zyl, Susanna Eckard en Elana Greyling was almal gelanspreer deur die gaspreker, Lynette Behr, 'n lookkuns-demonstrasie deur Helen Meyer, inspirasie van die Persoonlikheid van die Jaar, Susta Steenkamp, Kunstenaar van die Jaar, dr. Mich Veldman, asook Skrywer van die Jaar, Keina Swart.

"Ons is vol moed en nuwe krag vir die jaar wat voorlê om ons tot die hoogste hoogtes en verdi die laagste lêgtes te neem," sê Elana Greyling.

www.mogolpos.co.za

www.mogolpos.co.za

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).

PROJECT TITLE:

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

PROJECT OVERVIEW:

Water demand will increase in the Lephalale area due to various planned and anticipated developments, coupled with the Water Reconciliation [illegible]. The Department of Water and Sanitation (DWS) commissioned the Mokolo Crocodile (West) Water Augmentation Project (MCWAP) feasibility study to investigate options for meeting the demonstrated water requirements.

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

- Weir and abstraction infrastructure, including a balancing reservoir, desilting weir, and a high lift pump station at Vlieepoort (near Thabazimbi);
- Transfer system (approximately 100 km);
- Break Pressure Reservoir;
- Operational Reservoir; and
- Delivery system, consisting of a gravity pipeline (approximately 30 km) [illegible] the Operational Reservoir to [illegible] Lephalale 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 AUTHORISATIONS

Rensel Consulting was appointed by DWS to conduct the EIA for the project in terms of Government Notice No. R. 982 of 4 December 2014. In addition, approval will also be sought for water uses 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). The notification pertains to the following components:

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

MCWAP-2 Components	Water Transfer Infrastructure & Bulk Power Supply	Water Transfer [illegible]	Water Transfer Infrastructure
Date	25 May 2016	26 May 20[illegible]	26 May 2016
Area	Thabazimbi	Lephalale	Swartbooipan
Time	09h00 – 13h00	08h30 – 12:3[illegible]	4h00 - 18h00
Venue	Lumba Showcase Hall	Marpel Conference [illegible]	Ramaroy Community Centre

CONTACT PERSON / ENVIRONMENTAL ASSESSMENT PRACTITIONER:

Contact Person: Donovan Henning | **Tel:** (011) 781 1730 | **Email:** (011) 781 1731 | **Em** elkdonvanhenning.co.za | **Postal Address:** PO Box 653, Sunninghill, 2157
Project website: https://www.dwa.gov.za/projects/mcwap/

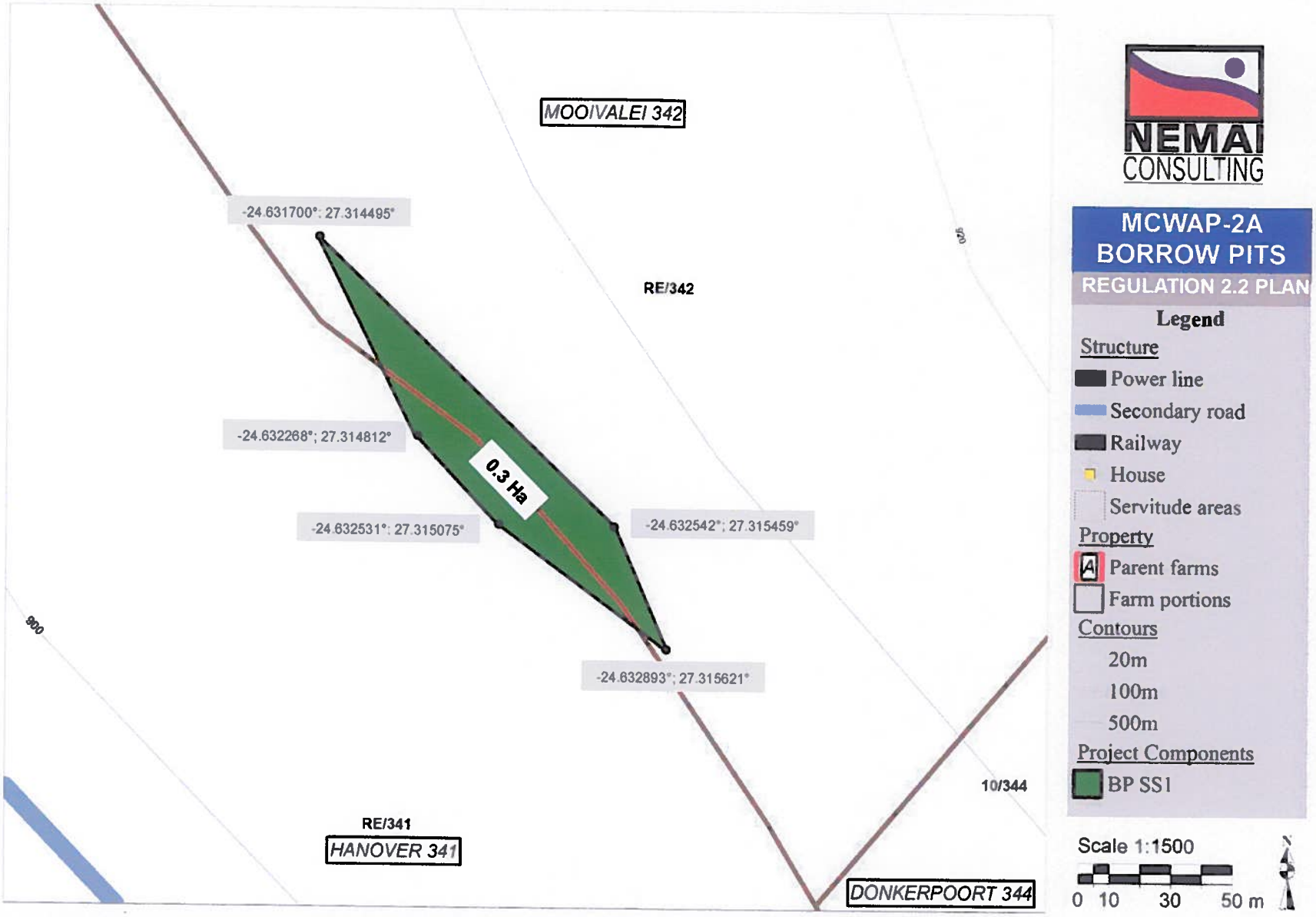
REGISTRATION AS AN INTERESTED AND AFFECTED PARTY:

In order to ensure that you are registered as an Interested and Affected Party, please submit your name, contact information and interest in the matter to the contact person above by 21 June 2016.

THE STAR

APPENDIX 8

REGULATION 2.2 PLAN


MOOIVALEI 342
RE/342
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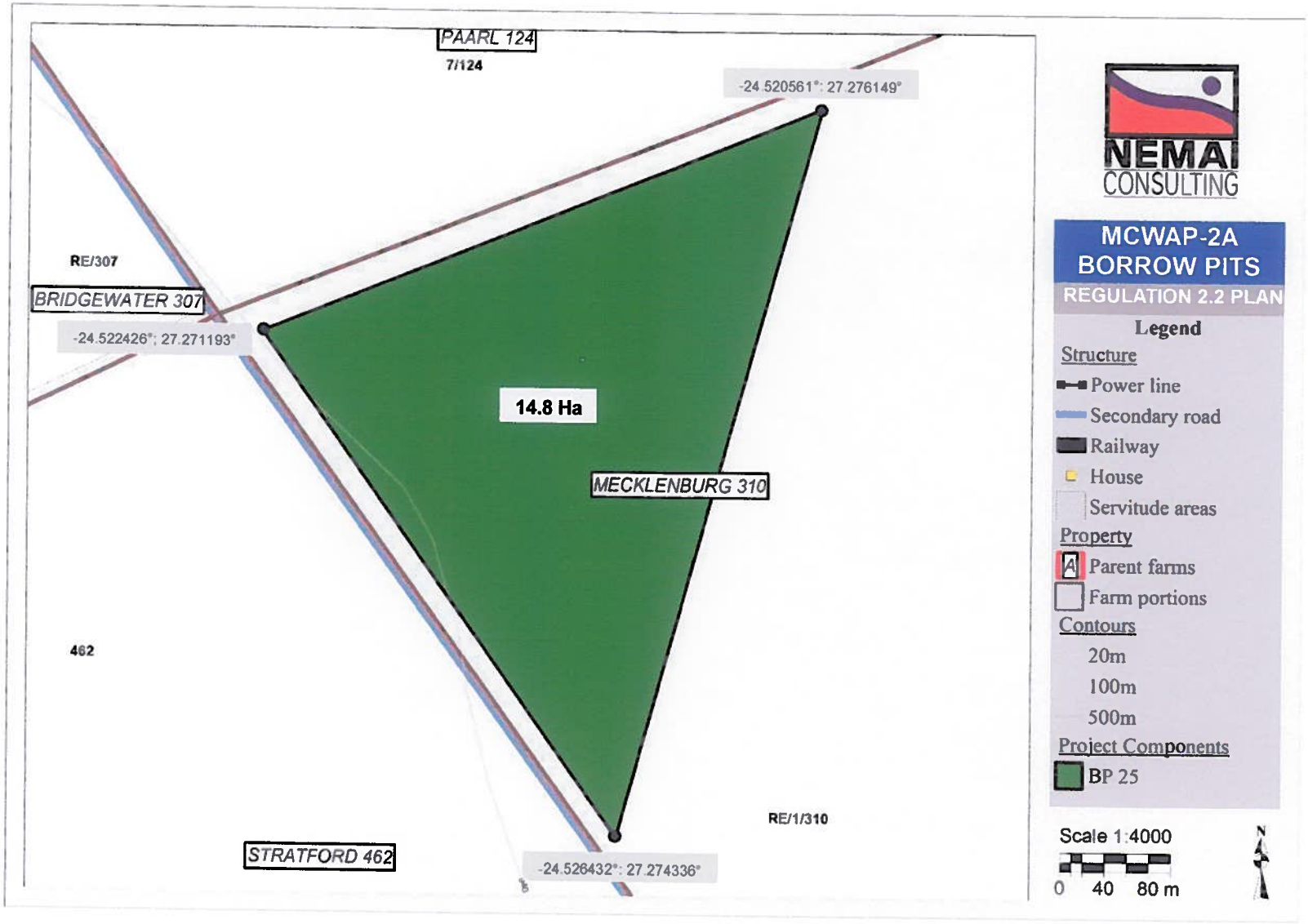
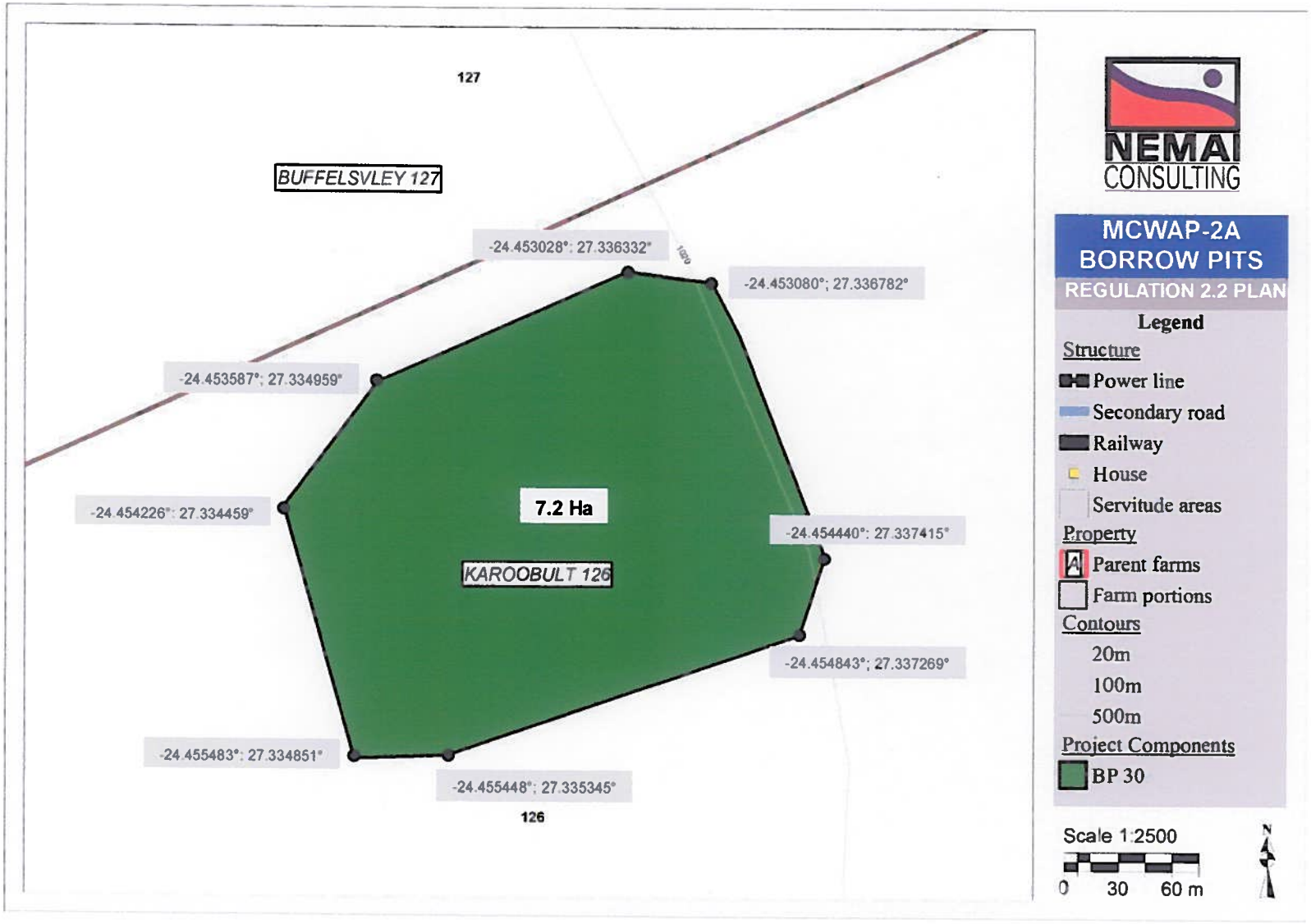
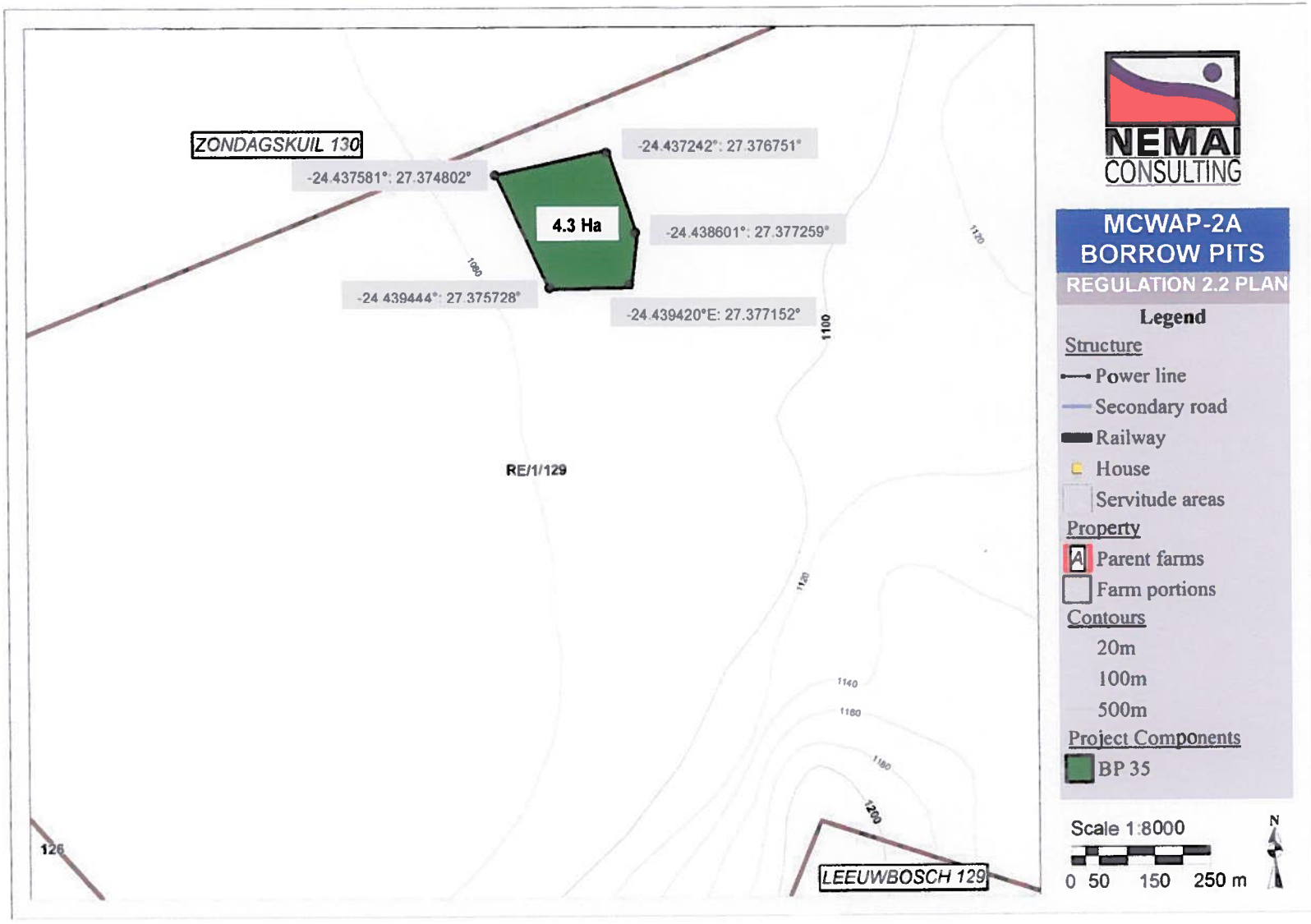
-24.632268°; 27.314812°
0.3 Ha
-24.632531°; 27.315075°
-24.632542°; 27.315459°
-24.632893°; 27.315621°
900
920
10/344
RE/341
HANOVER 341
DONKERPOORT 344
NEMAI CONSULTING
MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
100m
500m
Project Components
BP SS1
Scale 1:1500
0 10 30 50 m
N


PAARL 124
7/124
-24.520561°; 27.276149°
RE/307
BRIDGEWATER 307
-24.522426°; 27.271193°
14.8 Ha
MECKLENBURG 310
462
RE/1/310
STRATFORD 462
-24.526432°; 27.274336°
NEMAI CONSULTING
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 25
Scale 1:4000
0 40 80 m
N


127
BUFFELSVLEY 127
-24.453028°; 27.336332°
-24.453080°; 27.336782°
-24.453587°; 27.334959°
-24.454226°; 27.334459°
7.2 Ha
KAROOBULT 126
-24.454440°; 27.337415°
-24.454843°; 27.337269°
-24.455483°; 27.334851°
-24.455448°; 27.335345°
126
NEMAI CONSULTING
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
Scale 1:2500
0 30 60 m
N


ZONDAGSKUIL 130
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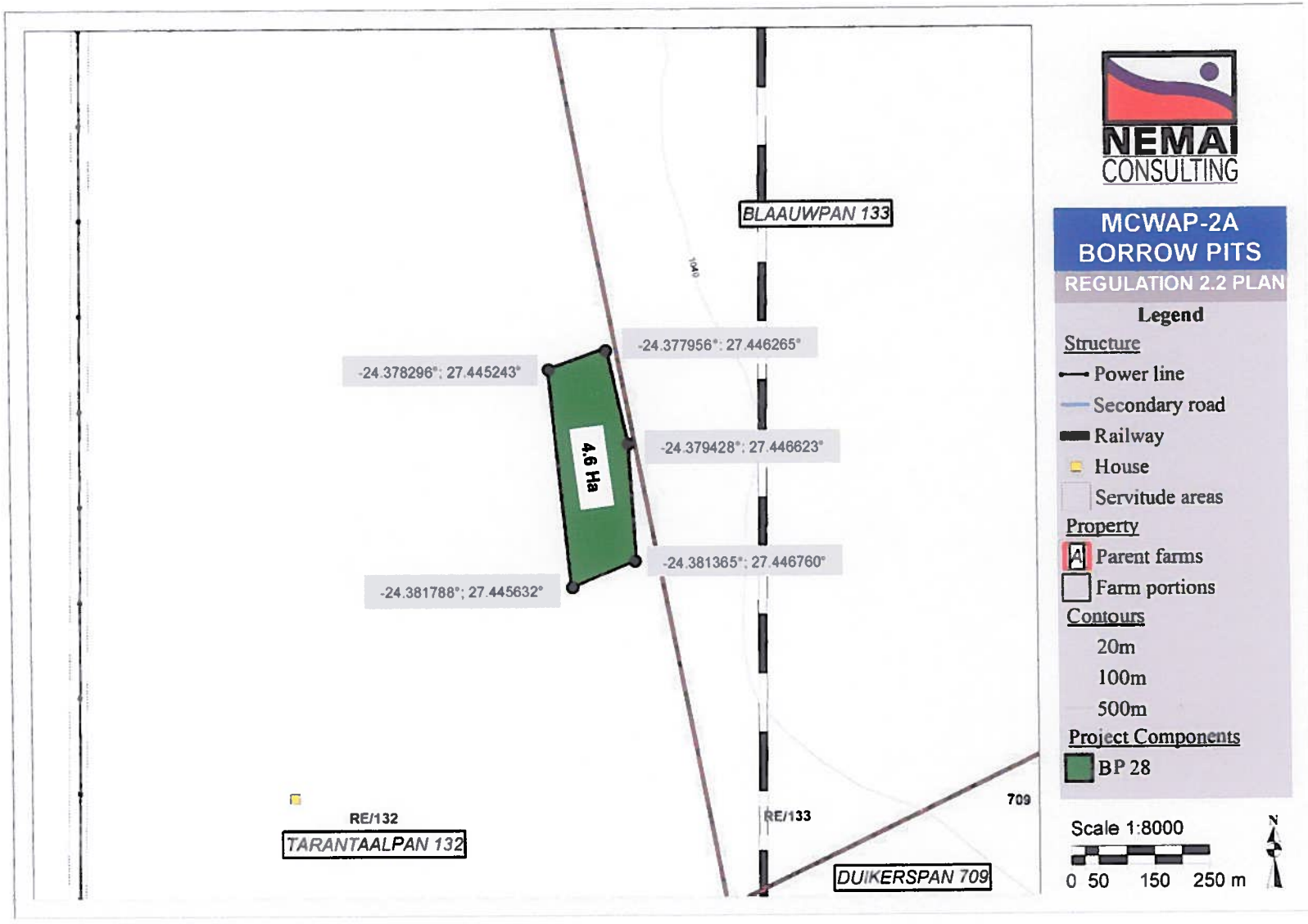
-24.437242°: 27.376751°
4.3 Ha
-24.438601°: 27.377259°
-24.439444°: 27.375728°
-24.439420°E: 27.377152°
RE/1/129
LEEUWBOSCH 129
1080
1100
1120
1140
1160
1180
1200
126
NEMAI CONSULTING
MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
100m
500m
Project Components
BP 35
Scale 1:8000
0 50 150 250 m
N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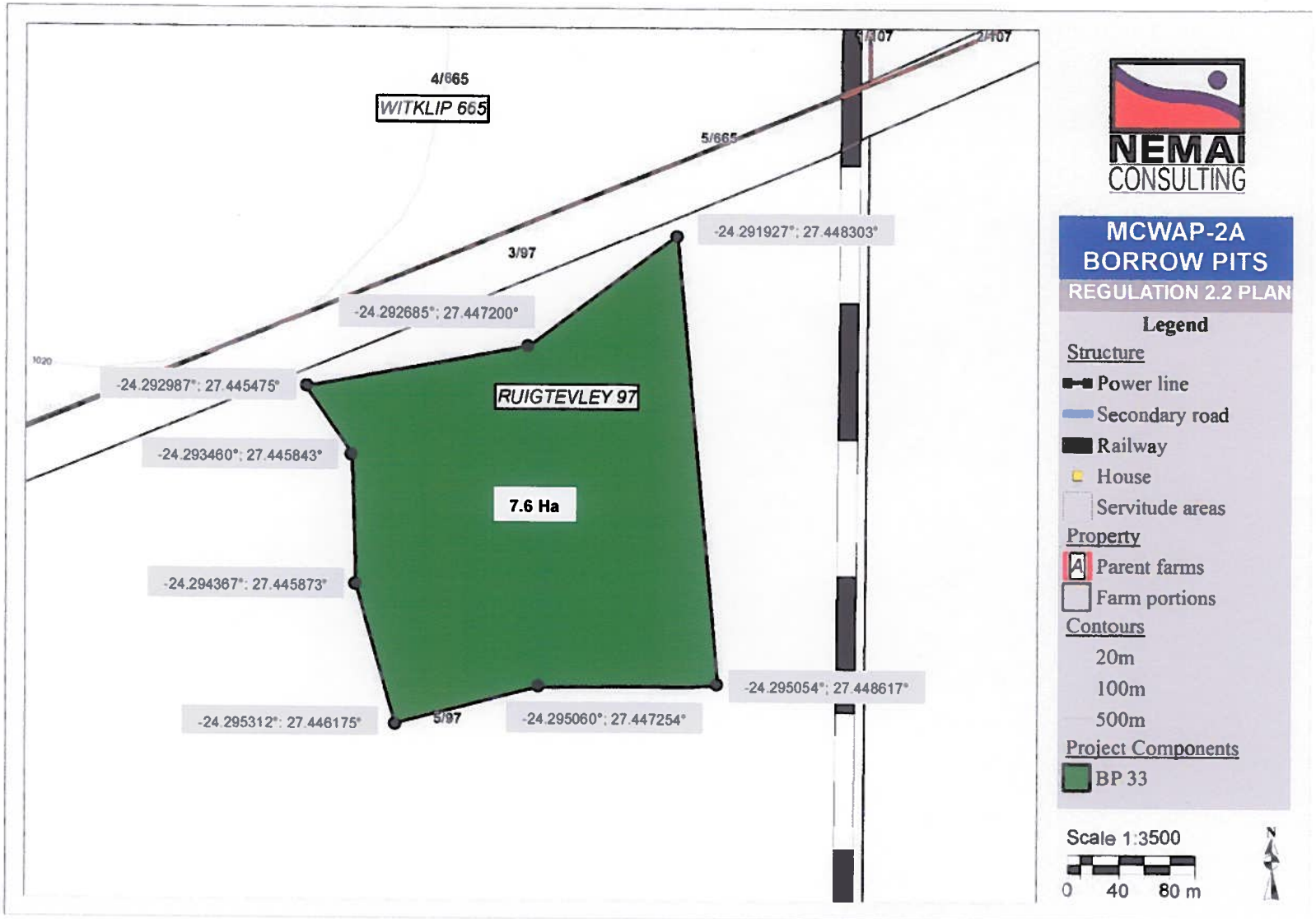
MCWAP-2A BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
100m
500m
Project Components
BP 28
Scale 1:8000
0 50 150 250 m
N
BLAAUWPAN 133
-24.377956°; 27.446265°
-24.378296°; 27.445243°
4.6 Ha
-24.379428°; 27.446623°
-24.381365°; 27.446760°
-24.381788°; 27.445632°
RE/132
TARANTAALPAN 132
RE/133
709
DUIKERSPAN 709


4/665
WITKLIP 665
5/665
3/97
1/97
2/97
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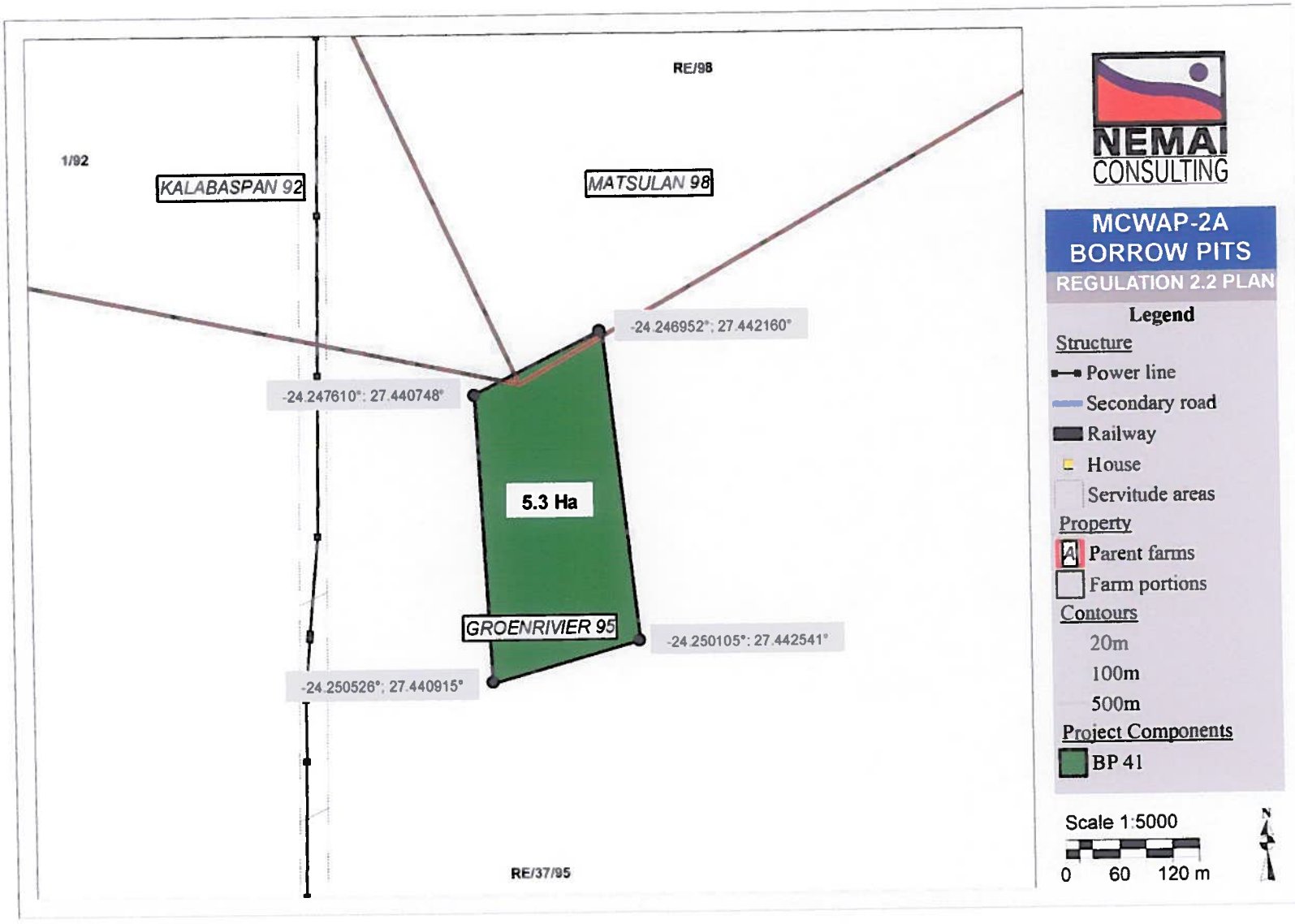
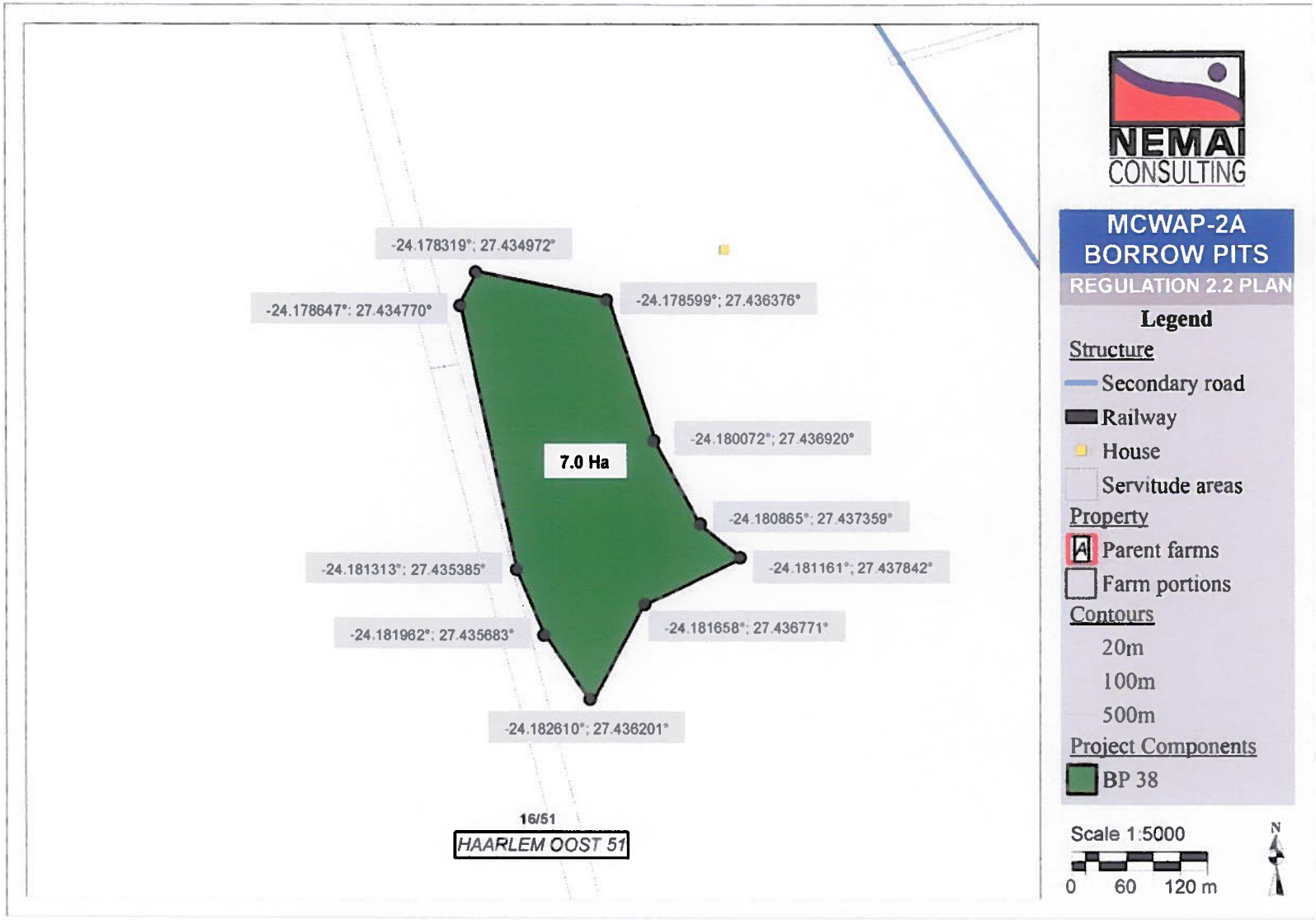
-24.292685°; 27.447200°
-24.292987°; 27.445475°
RUIGTEVLEY 97
-24.293460°; 27.445843°
7.6 Ha
-24.294367°; 27.445873°
-24.295054°; 27.448617°
-24.295312°; 27.446175°
5/97
-24.295060°; 27.447254°
NEMAI CONSULTING
MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
100m
500m
Project Components
BP 33
Scale 1:3500
0 40 80 m
N


RE/98
1/92
KALABASPAN 92
MATSULAN 98
-24.246952°; 27.442160°
-24.247610°; 27.440748°
5.3 Ha
GROENRIVIER 95
-24.250105°; 27.442541°
-24.250526°; 27.440915°
RE/37/95
NEMAI CONSULTING
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 41
Scale 1:5000
0 60 120 m
N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-24.178647°; 27.434770°
-24.180072°; 27.436920°
7.0 Ha
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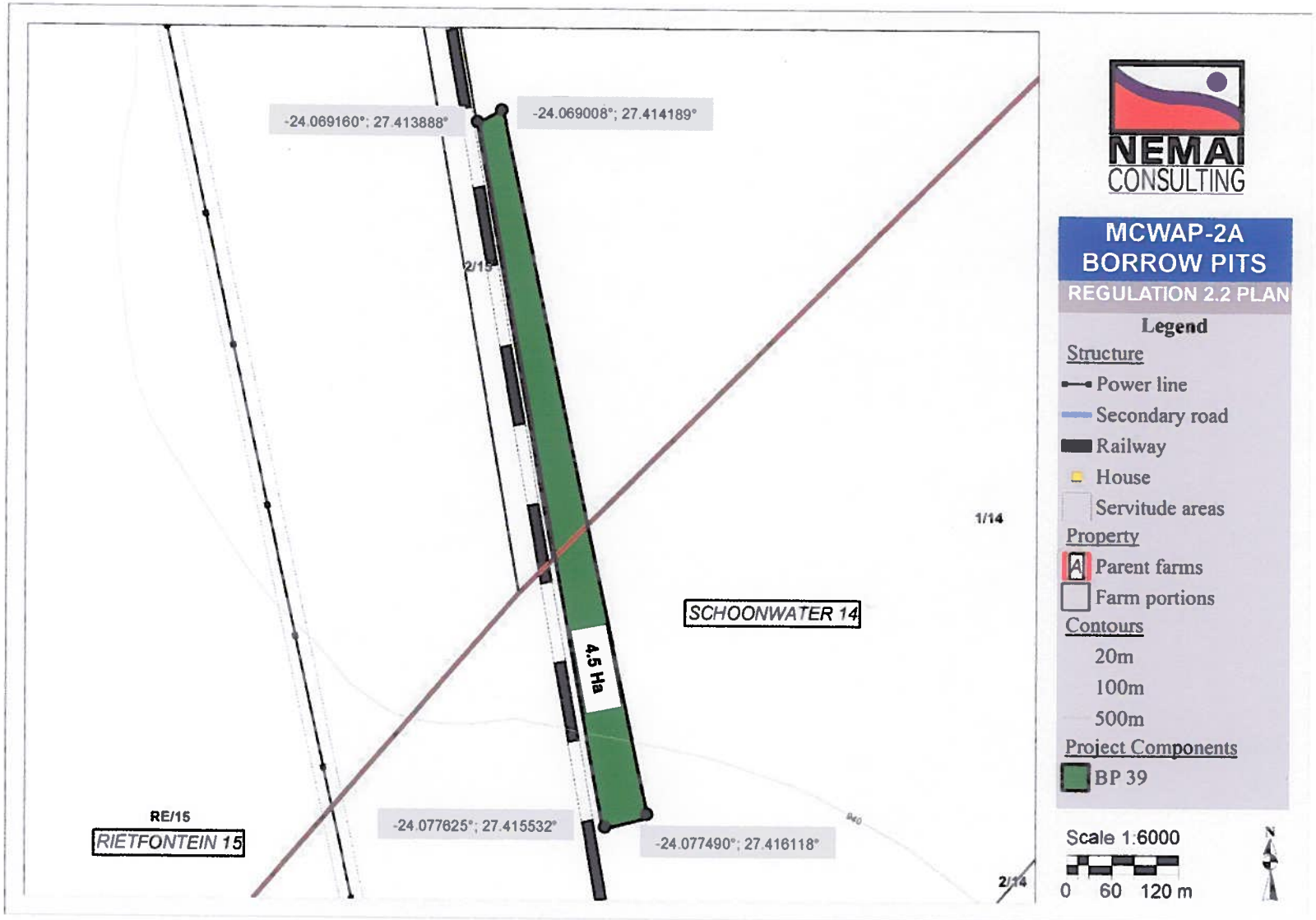
-24.181313°; 27.435385°
-24.181161°; 27.437842°
-24.181658°; 27.436771°
-24.181962°; 27.435683°
-24.182610°; 27.436201°
16/51
HAARLEM OOST 51
NEMAI CONSULTING
MCWAP-2A BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
100m
500m
Project Components
BP 38
Scale 1:5000
0 60 120 m
N


-24.069160°; 27.413888°
-24.069008°; 27.414189°
2/15
1/14
SCHOONWATER 14
4.5 Ha
RE/15
RIETFONTEIN 15
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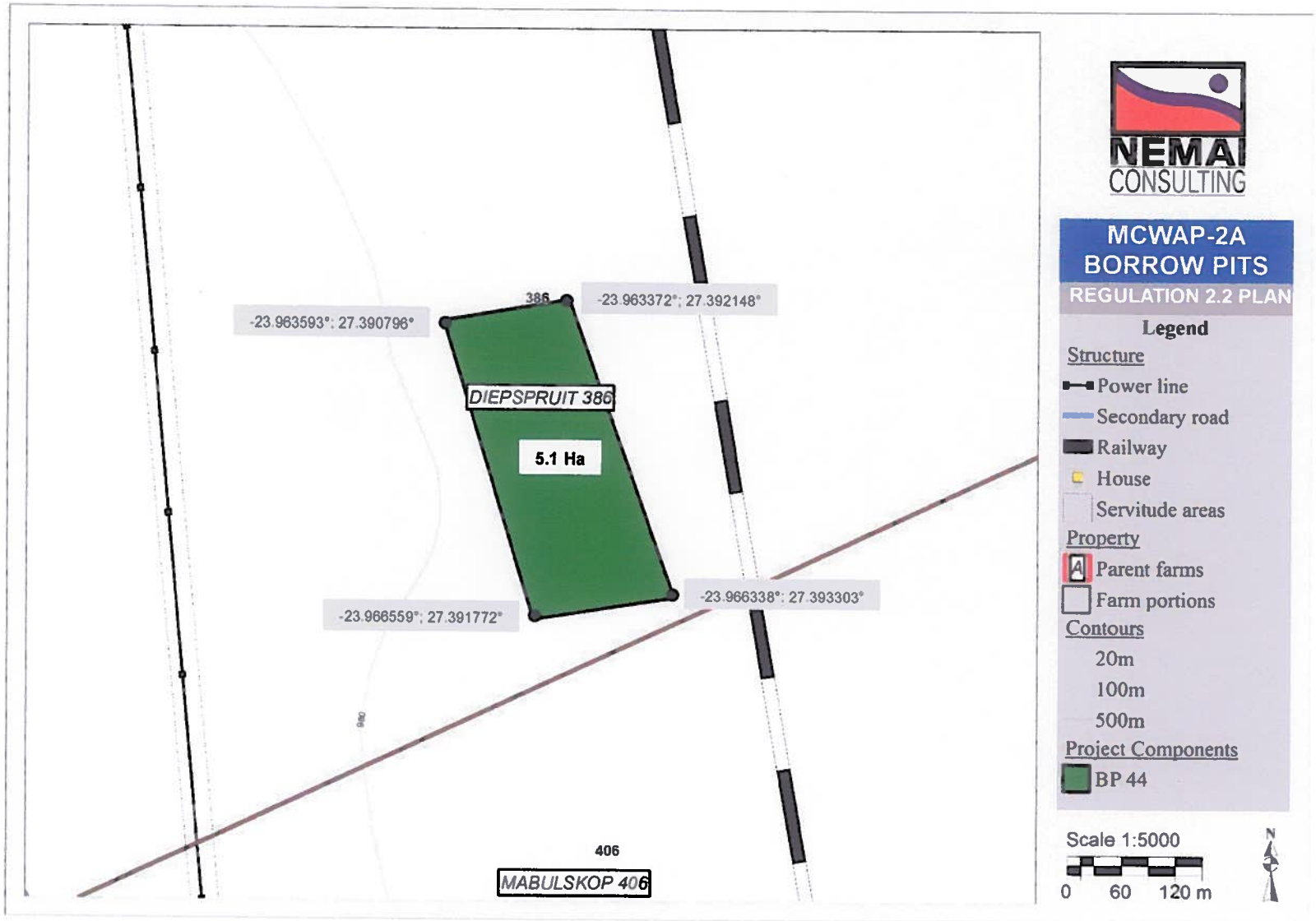
-24.077490°; 27.416118°
2/14
NEMAI CONSULTING
MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
100m
500m
Project Components
BP 39
Scale 1:6000
0 60 120 m
N


INKERMANN 10
3/10
-24.025305°; 27.406868°
-24.025450°; 27.405977°
-24.025417°; 27.407329°
3.3 Ha
-24.026419°; 27.405967°
-24.027359°; 27.407483°
-24.027537°; 27.406095°
RE/820
RIETFONTEIN 820
RE/819
INKERMANN 819
NEMAI CONSULTING
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
N


386
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-23.963593°; 27.390796°
DIEPSPRUIT 386
5.1 Ha
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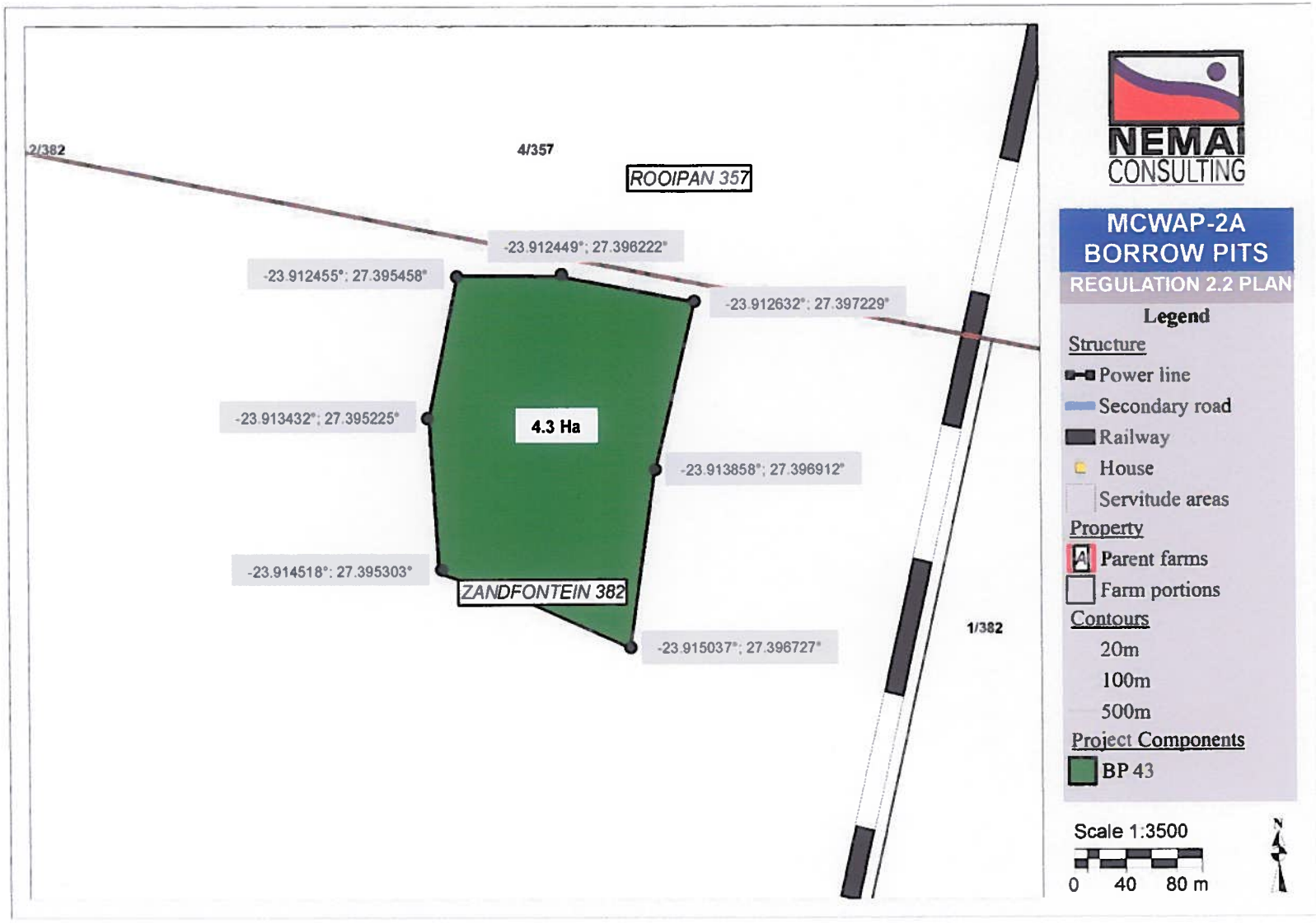
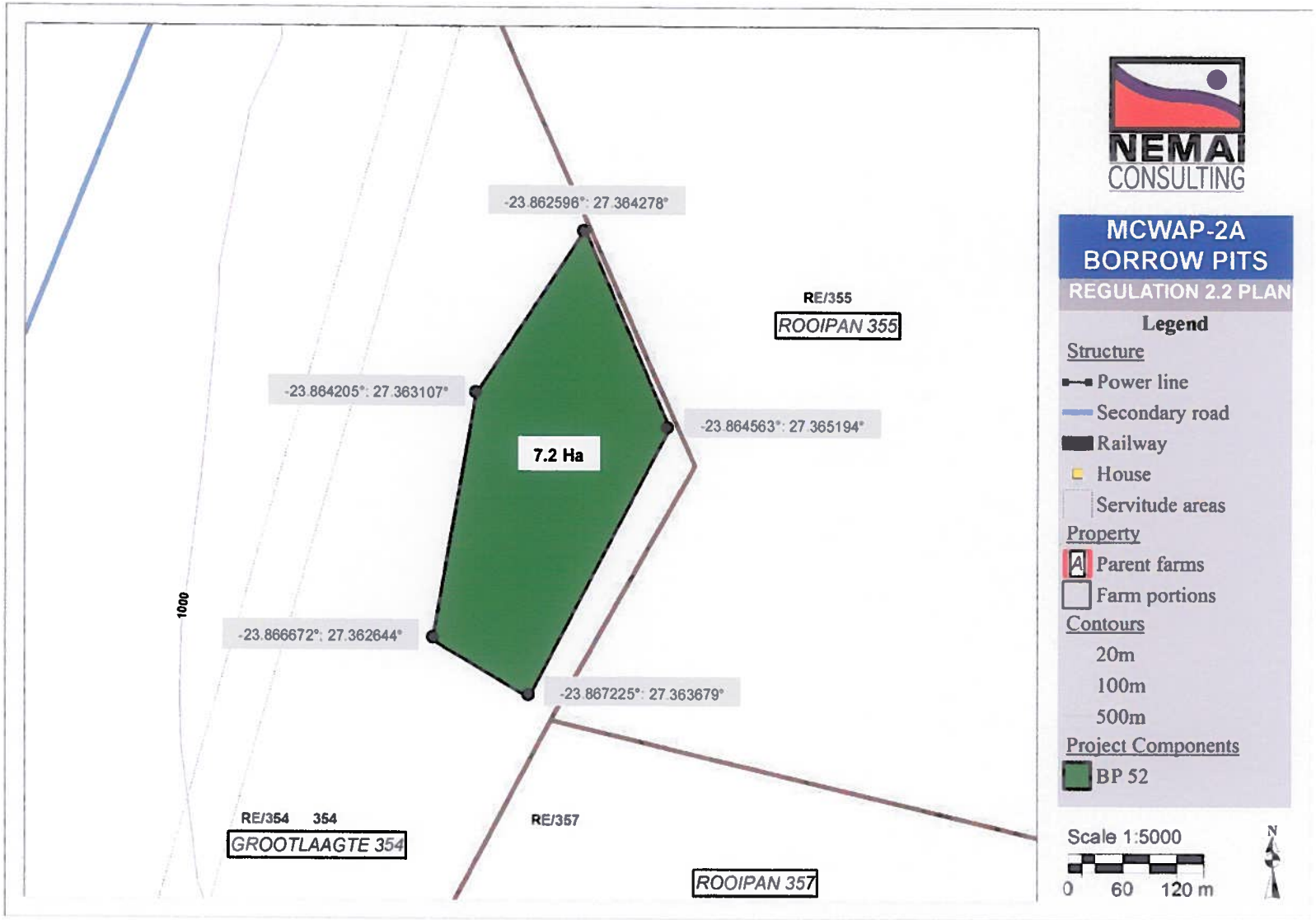
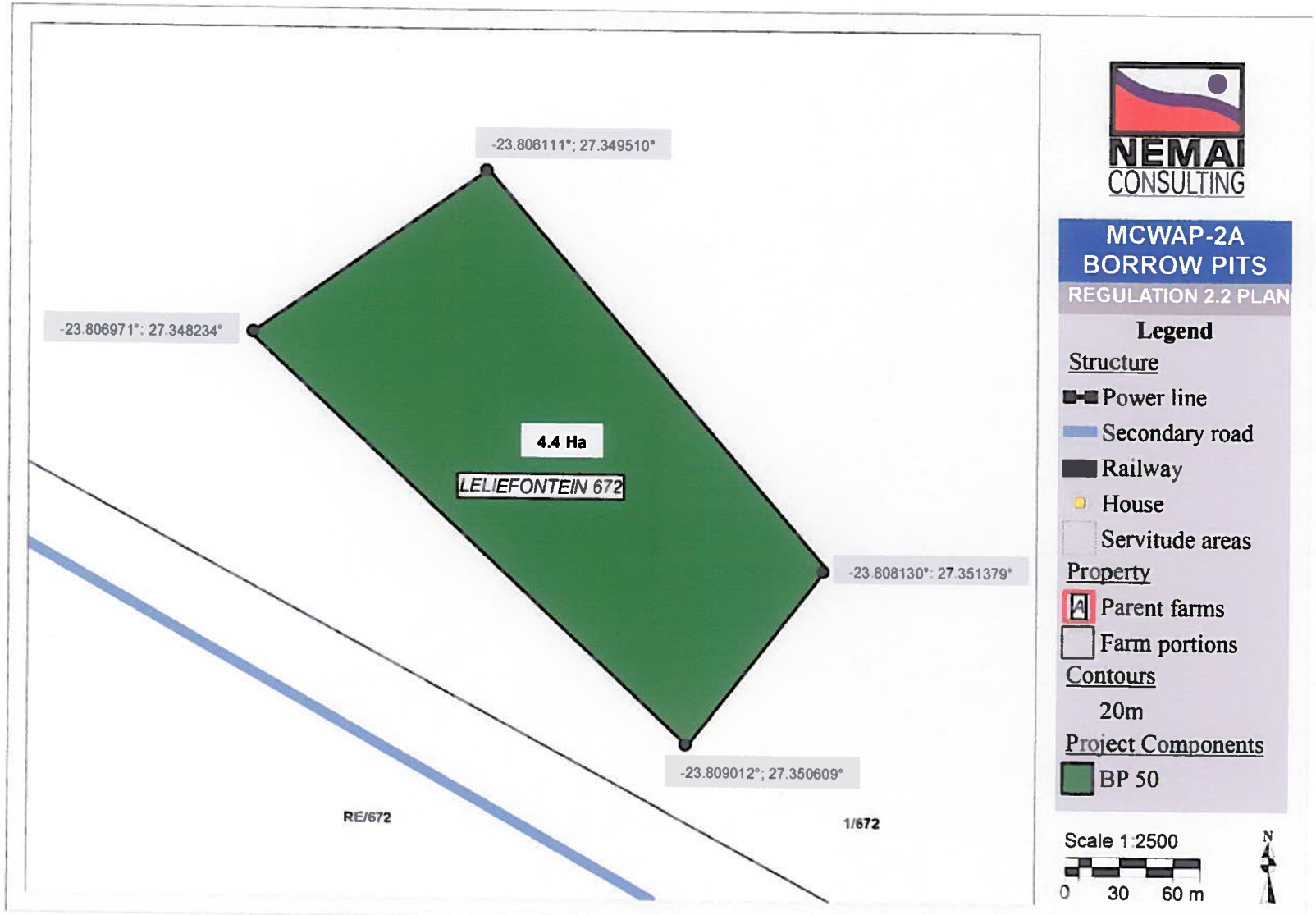
-23.966559°; 27.391772°
406
MABULSKOP 406
NEMAI CONSULTING
MCWAP-2A
BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
100m
500m
Project Components
BP 44
Scale 1:5000
0 60 120 m
N


2/382
4/357
ROOIPAN 357
-23.912449°; 27.396222°
-23.912455°; 27.395458°
-23.912632°; 27.397229°
-23.913432°; 27.395225°
4.3 Ha
-23.913858°; 27.396912°
-23.914518°; 27.395303°
ZANDFONTEIN 382
-23.915037°; 27.396727°
1/382
NEMAI CONSULTING
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 43
Scale 1:3500
0 40 80 m
N


2/355
ROOIPAN 355
-23.874121°; 27.396131°
-23.874326°; 27.397722°
2.3 Ha
ROOIPAN 357
4/357
-23.875344°; 27.395884°
-23.875556°; 27.397488°
NEMAI CONSULTING
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
N


NEMA CONSULTING
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 52
Scale 1:5000
0 60 120 m
N
-23.862596°: 27.364278°
-23.864205°: 27.363107°
-23.864563°: 27.365194°
-23.866672°: 27.362644°
-23.867225°: 27.363679°
7.2 Ha
RE/355
ROOIPAN 355
RE/354 354
GROOTLAAGTE 354
RE/357
ROOIPAN 357
1000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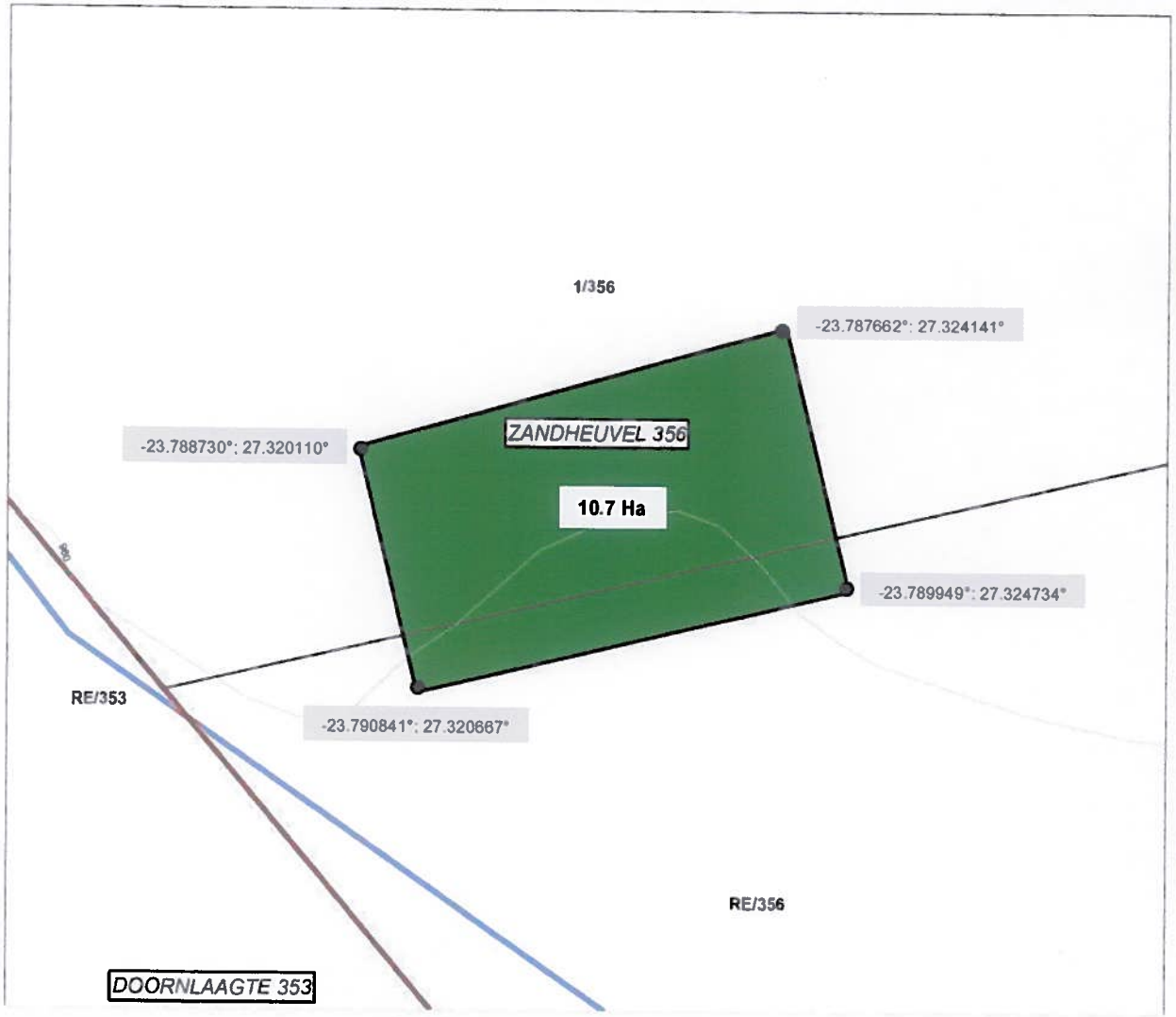
-23.806971°; 27.348234°
4.4 Ha
LELIEFONTEIN 672
-23.808130°; 27.351379°
-23.809012°; 27.350609°
RE/672
1/672
NEMAI CONSULTING
MCWAP-2A BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
Project Components
BP 50
Scale 1:2500
0 30 60 m
N



NEMAI CONSULTING

MCWAP-2A BORROW PITS

REGULATION 2.2 PLAN

Legend

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

Property
- Parent farms
- Farm portions

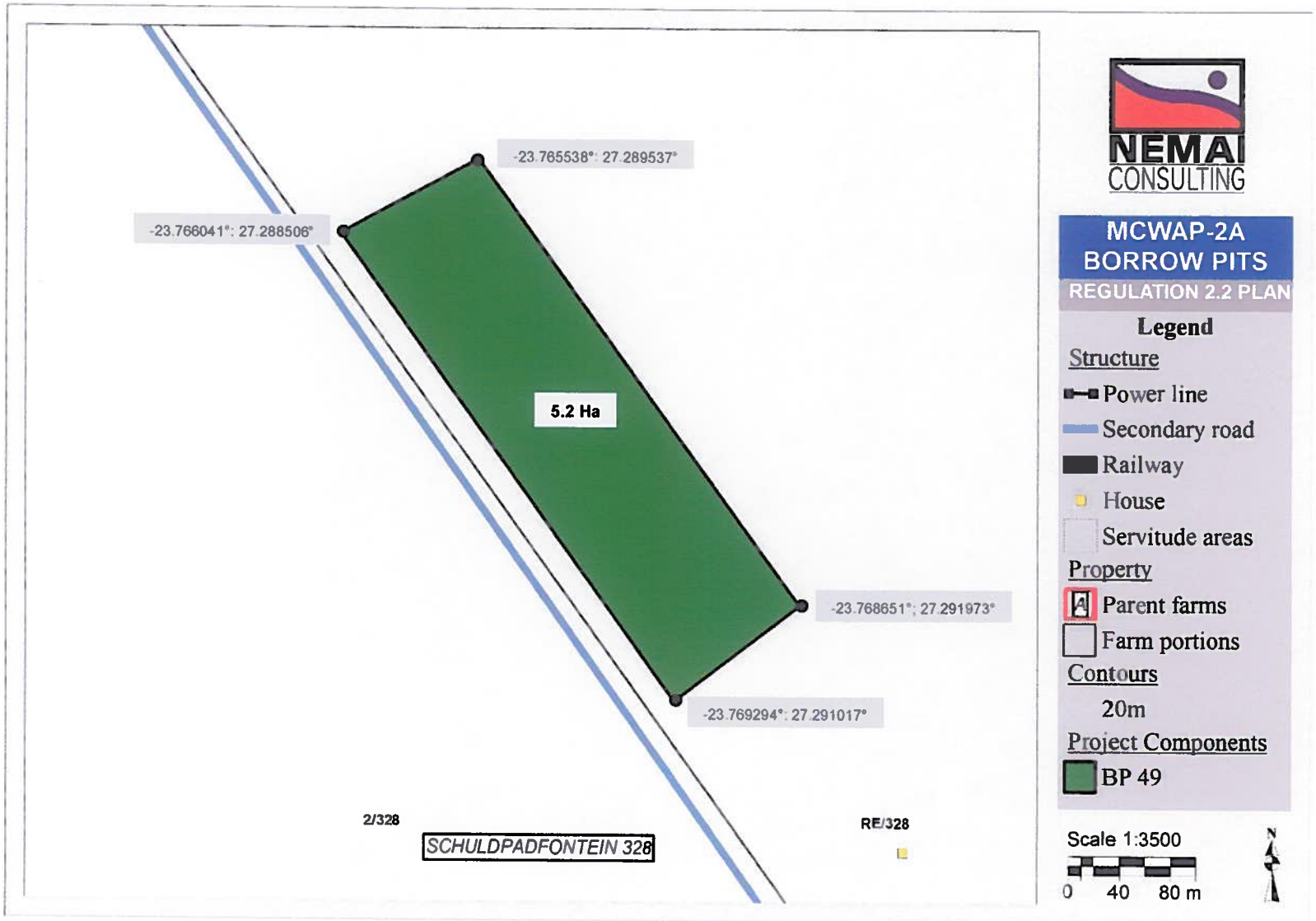
Contours
- 20m

Project Components
- BP 48

Scale 1:5000

0 60 120 m

N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-23.766041°: 27.288506°
5.2 Ha
-23.768651°; 27.291973°
-23.769294°: 27.291017°
2/328
SCHULDPADFONTEIN 328
RE/328
NEMAI CONSULTING
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 49
Scale 1:3500
0 40 80 m
N


NEMAI CONSULTING
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
Scale 1:2500
0 30 60 m
N
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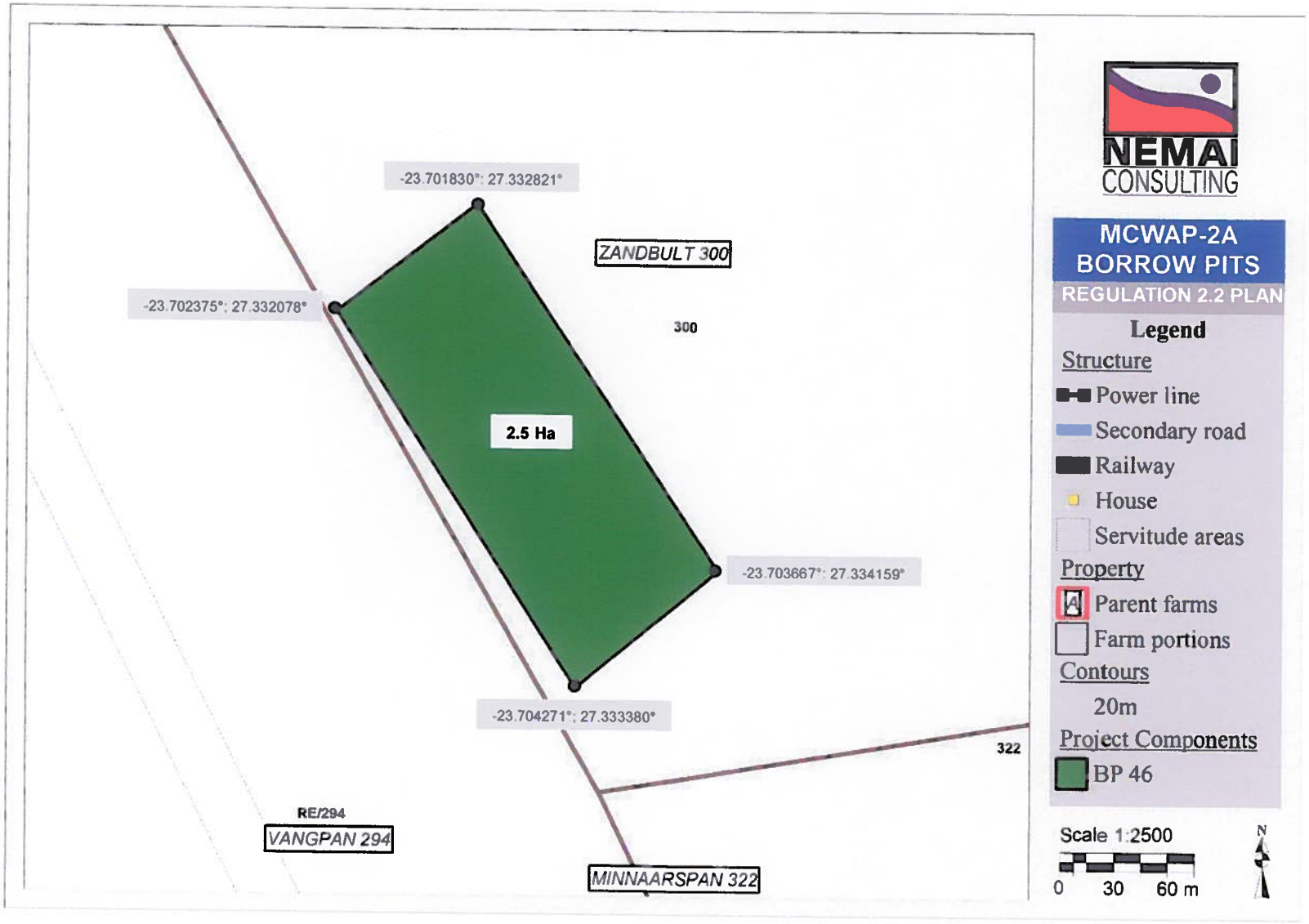
-23.724859°; 27.285357°
-23.725791°; 27.287980°
-23.726536°; 27.286110°
23/293
VANGPAN 294
1/294
3.3 Ha
THEUNISPAN 293
RE/323
1/329
PAARDEVLEY 329
TOEZICHT 323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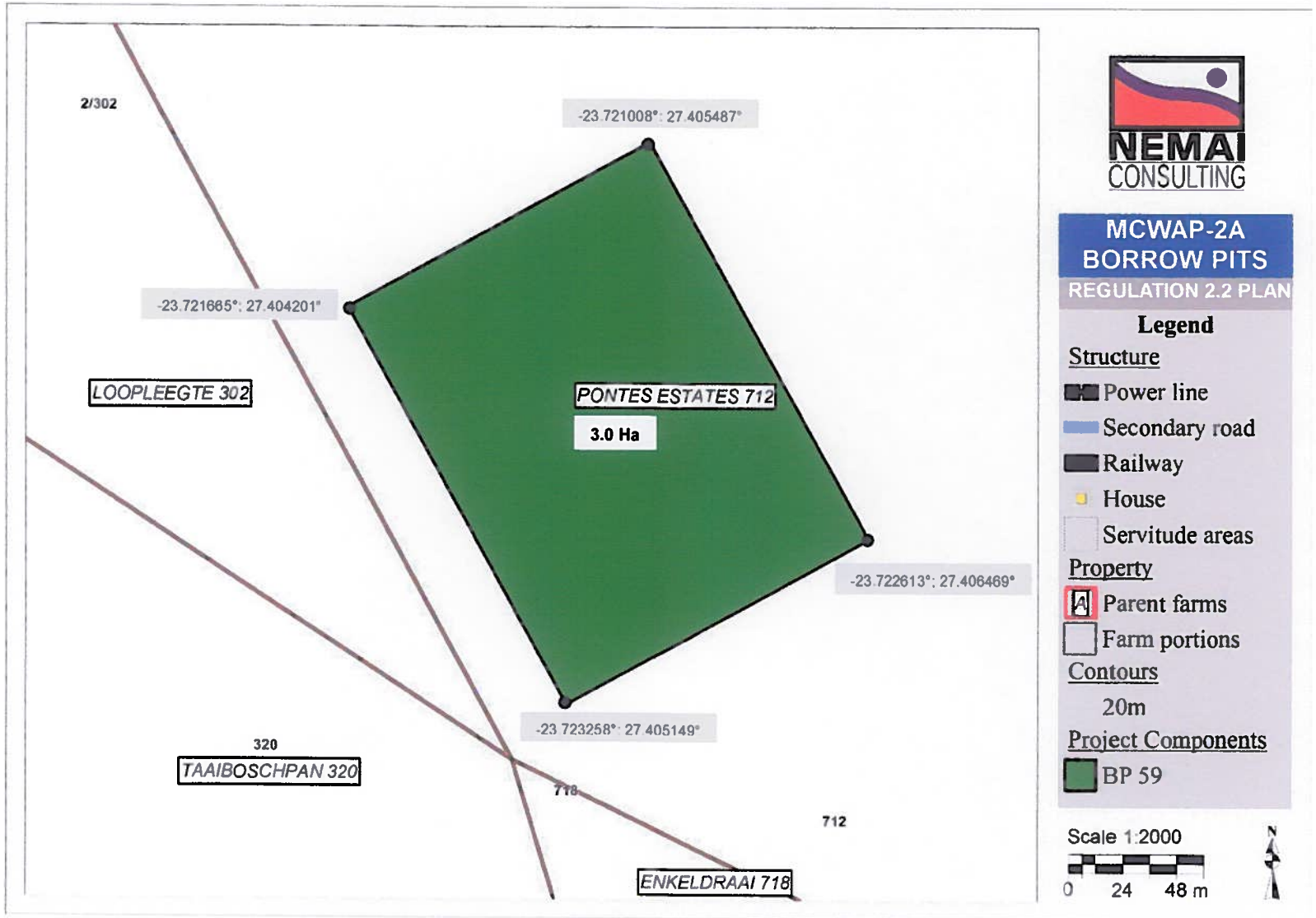
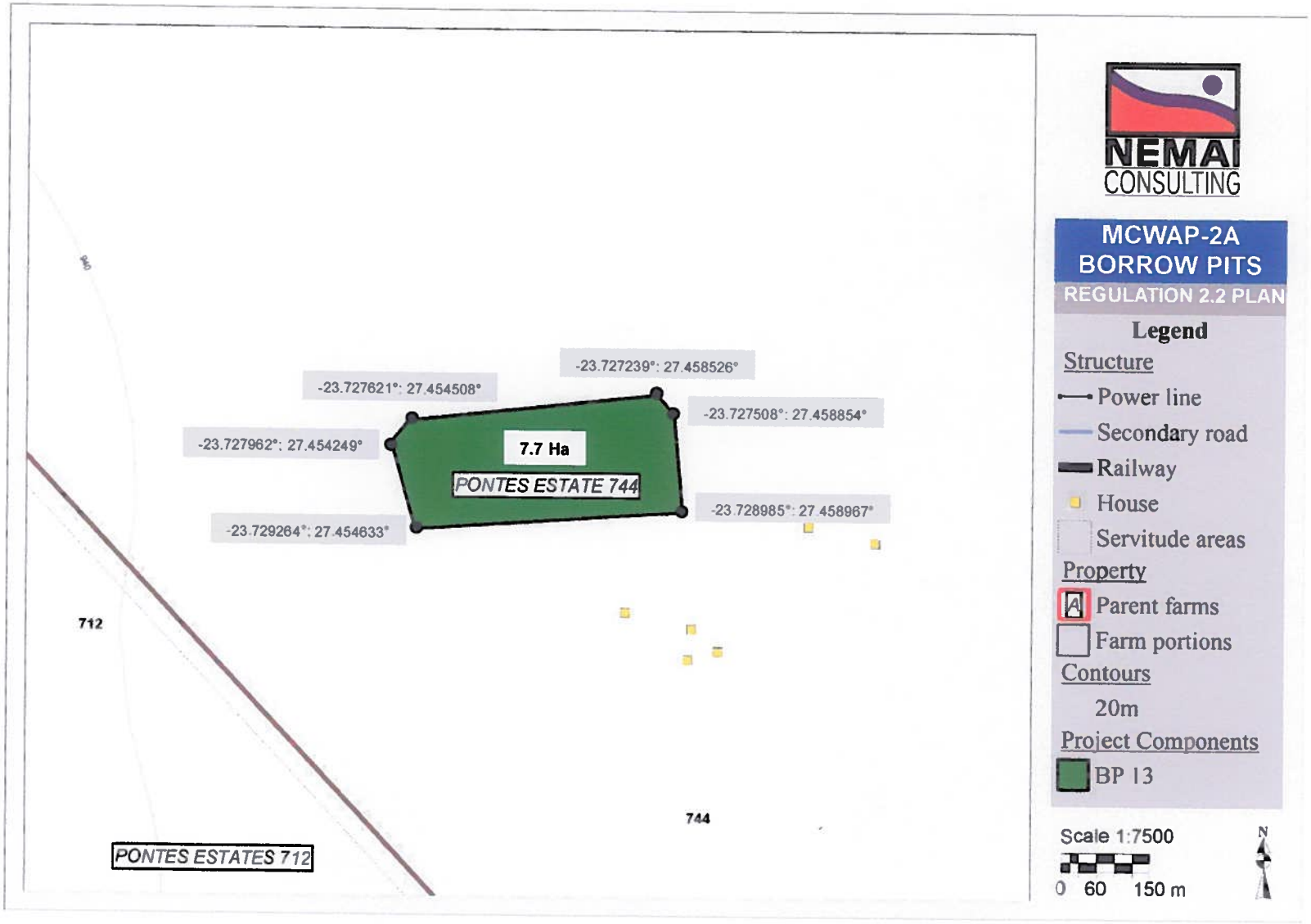
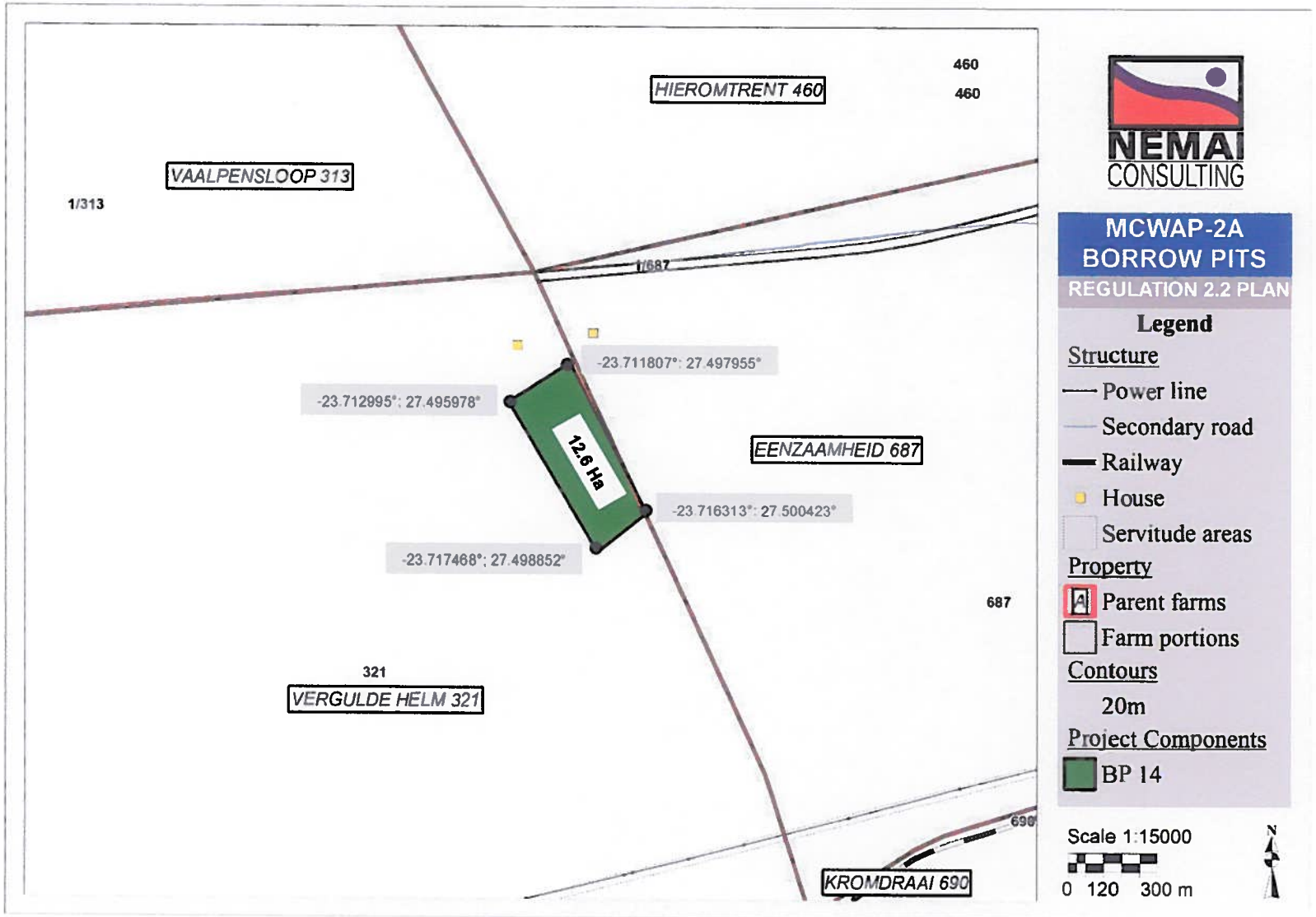
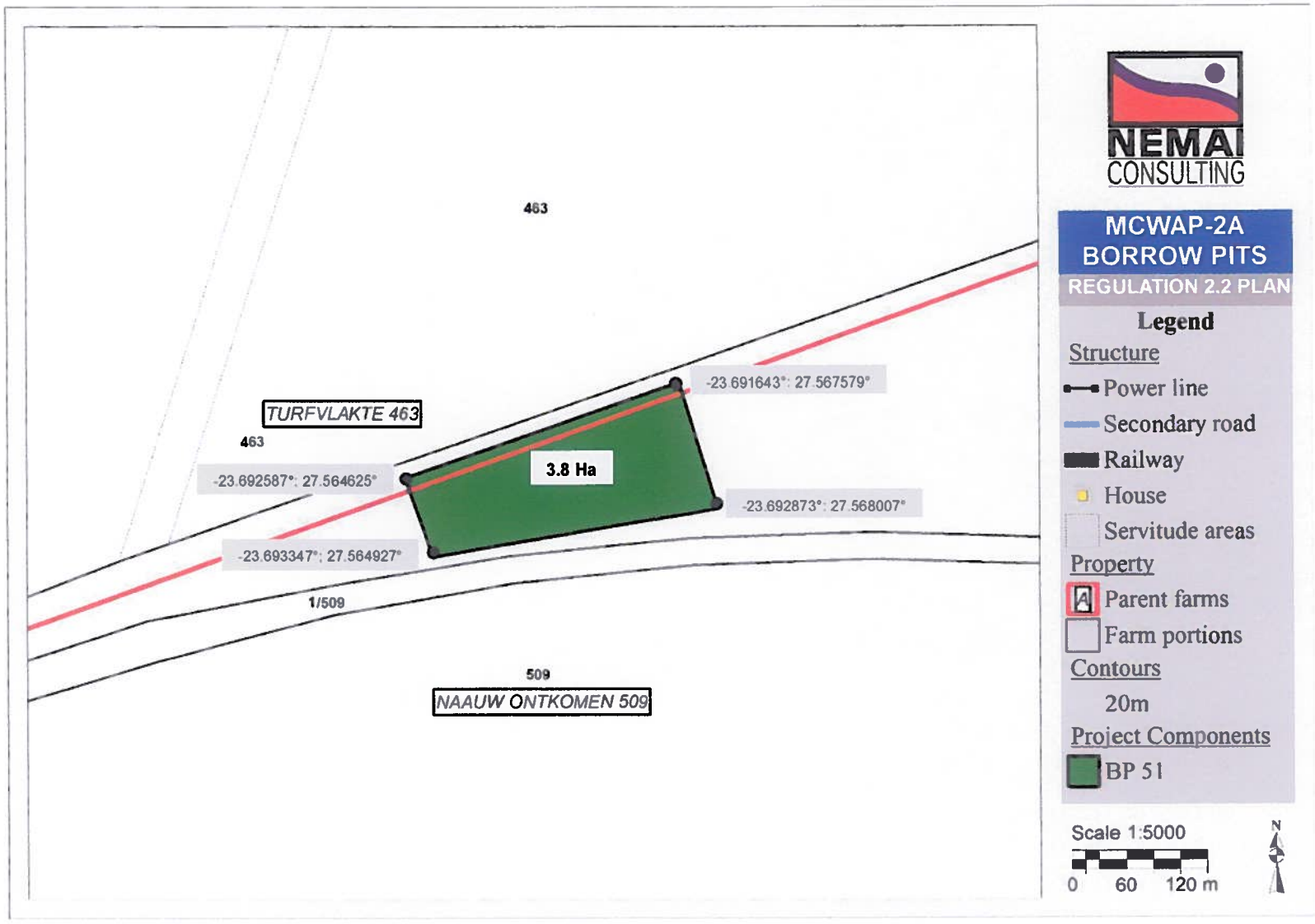
ZANDBULT 300
-23.702375°; 27.332078°
300
2.5 Ha
-23.703667°; 27.334159°
-23.704271°; 27.333380°
322
RE/294
VANGPAN 294
MINNAARSPAN 322
NEMAI CONSULTING
MCWAP-2A BORROW PITS
REGULATION 2.2 PLAN
Legend
Structure
Power line
Secondary road
Railway
House
Servitude areas
Property
Parent farms
Farm portions
Contours
20m
Project Components
BP 46
Scale 1:2500
0 30 60 m
N


2/302
-23.721008°: 27.405487°
-23.721665°: 27.404201°
LOOPLEEGTE 302
PONTES ESTATES 712
3.0 Ha
-23.722613°: 27.406469°
-23.723258°: 27.405149°
320
TAAIBOSCHPAN 320
718
712
ENKELDRAAI 718
NEMAI CONSULTING
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 59
Scale 1:2000
0 24 48 m
N


-23.727239°: 27.458526°
-23.727621°: 27.454508°
-23.727508°: 27.458854°
-23.727962°: 27.454249°
7.7 Ha
PONTES ESTATE 744
-23.728985°: 27.458967°
-23.729264°: 27.454633°
712
744
PONTES ESTATES 712
NEMAI CONSULTING
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
N


HIEROMTRENT 460
460
460
VAALPENSLOOP 313
1/313
1/687
-23.711807°; 27.497955°
-23.712995°; 27.495978°
12.6 Ha
EENZAAMHEID 687
-23.716313°; 27.500423°
-23.717468°; 27.498852°
687
321
VERGULDE HELM 321
KROMDRAAI 690
NEMAI CONSULTING
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
N


463
TURFVLAKTE 463
463
-23.691643°; 27.567579°
3.8 Ha
-23.692587°; 27.564625°
-23.692873°; 27.568007°
-23.693347°; 27.564927°
1/509
509
NAAUW ONTKOMEN 509
NEMAI CONSULTING
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
N