

VOLUME 3 OF 4: PART B (Included in a different document)

- ✓ Appendix h-4.1.1.2: DAFF
 - ❖ Meeting requests and confirmation in the form of email and/or a letter
 - ❖ Scoping and EIA report submission and other related matters
- ✓ Appendix h-4.1.1.3: DMR
 - ❖ Meeting requests and confirmation in the form of email and/or a letter
 - ❖ Scoping and EIA report submission and other related matters
- ✓ Appendix h-4.1.1.4: DEA
 - ❖ Meeting requests and confirmation in the form of email and/or letter
 - ❖ Scoping and EIA report submission and other related matters
- ✓ Appendix h-4.1.1.5: DWS
 - ❖ Scoping and EIA report submission and other related matters
- ✓ Appendix h-4.1.1.6: Local Authorities
 - ❖ Scoping and EIA report submission and other related matters
- ✓ Appendix h-4.1.1.7: PCC Members
 - ❖ Scoping and EIA report submission and other related matters
- ✓ Appendix h- 4.1.1.8: DCA
 - ❖ Meeting requests and confirmation in the form of email and/or a letter
 - ❖ Scoping and EIA report submission and other related matters
- Appendix h-4.2: Communication from Authorities
- Appendix h-4.3: Communication to Stakeholders (Interested and affected parties)
 - ❖ Scoping notification list
 - ❖ EIA notification list
- ✓ Appendix h-4.3.1: Correspondence regarding meetings
- ✓ Appendix h-4.3.2: Scoping and EIA report notification and other general matters
- Appendix h-4.4: Communication from Stakeholders (interested and affected parties)
 - ✓ Appendix h-4.4.1: Comments from stakeholders and acknowledgement of receipt of comments regarding scoping report

- ❖ Comments from Mr. Gert Le Roux
- ❖ Comments from DAFF
- ❖ Comments from Markus Dawid (Hondelklipbay Community)
- ❖ Comments from Mining and Environmental Justice Community Network of South Africa (MEJCON-SA)
- ✓ Appendix h-4.4-2: Comments from stakeholders and acknowledgement of receipt of comments regarding EIA report
 - ❖ Comments from Mr Gert Le Roux
 - ❖ Comments from Markus Dawid (Hondelklipbay Community)
 - ❖ Comments from DENC
 - ❖ Comments from South African National Parks
- ✓ Response to Stakeholder comments
 - ❖ Response to Mr Gert Le Roux
 - ❖ Response to Markus Dawid (Hondelklipbay Community)
 - ❖ Response to DENC
 - ❖ Response to South African National Parks

VOLUME 3 OF 4: PART C (Included in a different document)

- Appendix h-5: Meetings
 - Appendix h-5.1: Agendas (included as part of minutes)
 - Appendix h-5.2: Presentation (included as part of minutes)
 - Appendix h-5.3: Minutes
 - ✓ Appendix h-5.3.1: DAFF
 - ✓ Appendix h-5.3.2: DENC
 - ✓ Appendix h-5.3.3: DMR
 - ✓ Appendix h-5.3.4: DEA
 - ✓ Appendix h-5.3.5: CAD Mapping
 - ✓ Appendix h-5.3.6: DCA
 - ✓ Appendix h- 5.3.7: PCC

VOLUME 3 OF 4: PART D

- Appendix h-6: Information provided to Stakeholders
 - Appendix h-6.1: Background Information Document
 - Appendix h-6.2: Scoping and EIA report submission and other general matters
 - ❖ To DENC
 - ❖ To Department of Environmental Affairs Oceans and Coasts
 - ❖ To West Coast Resources Offices
 - ❖ To Koingnaas Mine Office
 - ❖ To Springbok Library
 - ❖ To Kleinsee Mariculture
 - ❖ Mining and Environmental Justice Community Network of South Africa
 - ❖ Department of Environmental Affairs
 - ❖ Hondeklipbay Community
 - ❖ Diamond Coast Abalone (Pty) Ltd
 - ❖ Kamiesberg Municipality
 - ❖ Namakhoi Local Municipality
 - ❖ Department of Agriculture Forestry and Fisheries
 - ❖ Department of Water and Sanitation
 - ❖ Department of Mineral Resources (Springbok)
 - ❖ Department of Environmental and Nature Conservation
 - ❖ Sanparks
 - ❖ Mr Gert Le Roux (DCA)
 - ❖ Department of Agriculture, Land Reform and Rural Development (Mr Jonker)

- Appendix h-7: Reply slip

Appendix 2.19.1: Socio-economic investigation and social and labour plan (Included as part of the EIAR (Section 10)

Appendix 2.19.2: Heritage/Archaeological study – Included as part of Volume 4 of the EIAR (Section 1)

Appendix I – Quantum Calculation

Appendix 1: Qualifications, Registrations and Certificates

UNIVERSITY OF TRANSKEI



This is to certify that

BABALWA ATLANTA MBALO

SOUTH AFRICAN POLICE SERVICE	2016 -02- 2
CLIENT SERVICE CENTRE	
SUID AFRIKAANSE POLISDIENST	

having complied with the requirements
of the Act and Statutes was admitted to the Degree of

BACHELOR OF SCIENCE

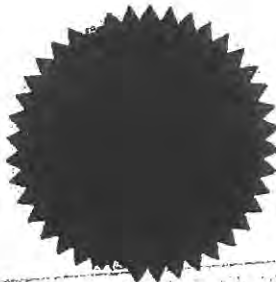
MAJOR SUBJECTS: BOTANY
ZOOLOGY

at a Congregation of the University

held on

18 MAY 1996


REGISTRAR

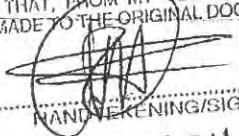


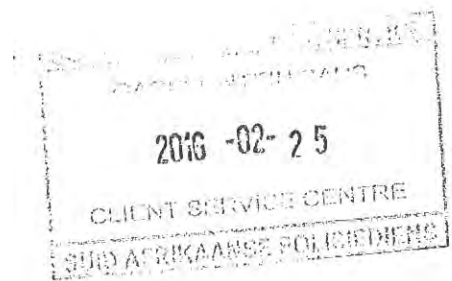

DEAN


VICE-CHANCELLOR

EK SERTIFISEER EN VERDEEL DIE OORSPRONKLIKE DOKUMENT (AFSKRIEF) IS
DIE OORSPRONKLIKE DOKUMENT VAN AAN MY NIE WAARNEMING VOORG
IS. EK SERTIFISEER VERDER DAT, VOLGENS MY WAARNEMINGS, DAAR IN
WYSIGING OF VERANDERING OP DIE OORSPRONKLIKE DOKUMENT AAN
BRING IS NIE.

I CERTIFY THAT THE ABOVE IS A TRUE REPRODUCTION (COPY) OF
ORIGINAL DOCUMENT WHICH WAS HANDSIGNED BY ME.
FURTHER CERTIFY THAT, FROM MY OBSERVATIONS, AN ALTERATION OR
CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.


MAGSNOMMER / FORCE NUMBER: 7121270 RANG / RANK: C 01
NAAM IN DRUKSKRIEF / NAME IN PRINT: MABENYA M02



UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG

At a congregation of the University
held on 24 April 1997

Babalwa Atalanta Mbalu

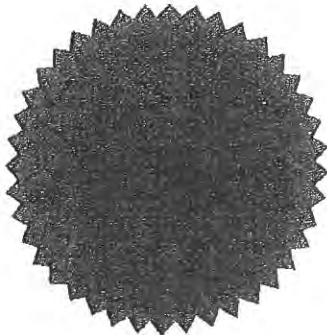
was admitted to the Degree of

Bachelor of Science with Honours

Botany

Dean, Faculty of Science

Vice-Chancellor and Principal



[Signature]
Registrar (Academic)

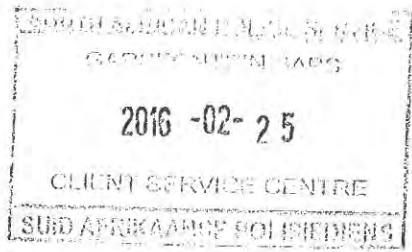
EK SERTIFISEER DAT HIERTOE ...
DIE OORSPRONKLIKE DOKUMENT ...
IS. EK SERTIFISEER VERDER DAT ...
WYSIGING OF VERANDERING OP DIE OORSPRONKLIKE DOKUMENT WANGE-
BRING IS NIE.

I CERTIFY THAT THIS DOCUMENT IS A TRUE REPRODUCTION (COPY) OF THE ORIGINAL DOCUMENT WHICH WAS HANDED TO ME FOR AUTHENTICATION. I FURTHER CERTIFY THAT, FROM MY OBSERVATIONS, AN ALTERMENT OR A CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

[Signature]

HANDTEKENING/SIGNATURE
RANG RANK
MAGNOMME
FUNCH NUMBER
NAAM IN DRUKSKRIF
NAME IN PRINT

Printed by the ...
71360212
CS6
51-001



UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG

At a congregation of the University

held on 9 December 1999

Babalwa Atalanta Mbalu

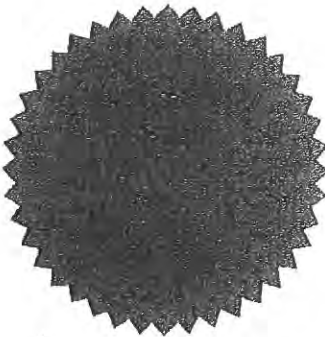
was admitted to the Degree of

Master of Science

(with distinction)

Dean, Faculty of Science

Vice-Chancellor and Principal



EK SERTIFIEERD
DIE OORSPRONKELIKE
IS. EK SERTIFIEER VERTE
WYSIGING OF VERANDERING OP DIE
BRING IS DIE.

I CERTIFY THAT THIS DOCUMENT IS A TRUE AND CORRECT COPY OF THE ORIGINAL DOCUMENT WHICH WAS MARKED FOR AUTHENTICATION. I FURTHER CERTIFY THAT, FROM MY OWN KNOWLEDGE, NO AMENDMENT OR A CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT

Printed by the Central Printing Unit

HANDTEKENING/SIGNATURE

MAGSNOMMER 71271274 RANG RANG

FORCE NUMBER RANG

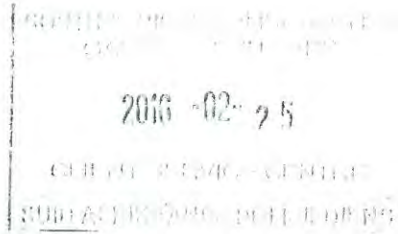
NAAM IN DRUKSKRIEF Masenya MR

NAME IN PRINT

IS VAN
CORGELE
JAAR NIE 'N
AANGE-



INSTITUTE OF ENVIRONMENTAL
MANAGEMENT & ASSESSMENT



Certificate of Registration

This is to certify that

Babalwa Fatyi

is registered as an

Environmental Auditor

Having, in the opinion of the Council of the Institute of Environmental Management and Assessment, met the criteria for this level of registration

This certificate is only valid with a current IEMA membership card

EK SERTIFISEER DAT HIERDIE DOKUMENT (NIE 'N OORSPRONKELIKE OORSPRONG) IS VAN DIE OORSPRONKELIKE DOKUMENT VRY GEMAK. EK SERTIFISEER VERDER DAT, WEGEN WYSGING OF VERHANDLING OP DIE OORSPRONG, DIE OORSPRONG NIE 'N VERANDERING IS.

I CERTIFY THAT THIS DOCUMENT IS A TRUE AND CORRECT COPY OF THE ORIGINAL DOCUMENT. I FURTHER CERTIFY THAT, DUE TO REVISION OR A CHANGE OF THE ORIGINAL DOCUMENT, THE ORIGINAL DOCUMENT IS NOT A REVISION OR A CHANGE OF THE ORIGINAL DOCUMENT.

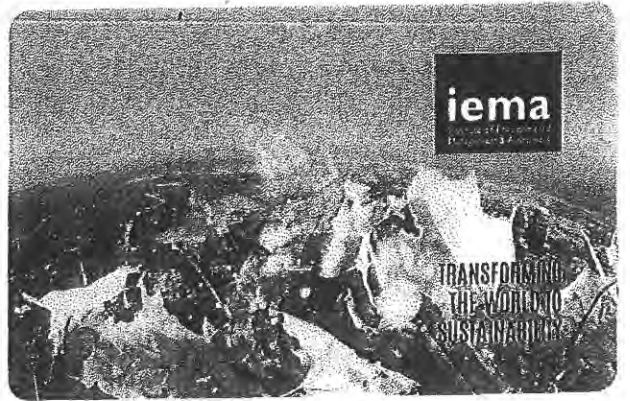
Maseya MR

71371970

Maseya MR

Maseya MR

For and on behalf of the Professional Standards Committee



MEMBERSHIP CARD



Name: Babatwa Fatyi EA

Level: Affiliate Member

Membership no: 0025153

Expiry date: 18/01/2017

This BIO card is fully biodegradable and is designed to decompose within three years. It is fully compostable!

Your membership card is not transferable. This card is the property of IEMA. If found, please return to: IEMA, Saracen House, Crusader Road, City Office Park, Triton Road, Lincoln, LN6 7AS

IS A REPRODUCTION (COPY) OF THE ORIGINAL DOCUMENT. I HAVE RECEIVED THIS FROM YOU FOR AUTHENTICATION. I HAVE CHECKED THE DETAILS AND CONFIRMATIONS, AN AMENDMENT OR A CHANGE TO THE ORIGINAL DOCUMENT.

1002919

1002919

NAME: MODIMSWANE, MCLAKE

SIGNATURE: [Signature]

RANK: Col

10029791

NAME & PRINT: MODIMSWANE, MCLAKE

SOUTH AFRICAN POLICE SERVICE
 GAIRSFORTHEIN SAPS
 2016 -02- 24
 CLIENT SERVICE CENTRE
 SUID AFRYK GANSE POLISIEDIENS

SACNASP
South African Council for Natural Scientific Professions



The bearer of this card has satisfied the requirements determined by the Council for the relevant category and is subject to a Code of Conduct administered by the Council.

Private Bag X5101 Silverton 01271 Gauteng Prov RSA
www.sacnasp.org.za

The South African Council for Natural Scientific Professions certifies in terms of section 20(B)(a) of the Natural Scientific Professions Act, 2003 (Act 27 of 2003), that

Ms B A Fatyi

is registered as a Professional Natural Scientist; Reg. no

400123/01

Botanical Science

31 MAY 2016

SACNASP

1232

I CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT REPRODUCTION (COPY) OF THE ORIGINAL DOCUMENT WHICH WAS FORWARDED TO ME FOR AUTHENTICATION. I FURTHER CERTIFY THAT FROM MY OBSERVATIONS, AN AMENDMENT OR A CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

Ms B A Fatyi
NAME IN PERMIT
RANK **CST**

MM NCHABECS
NAME IN PERMIT
RANK **CST**

1002979
FORCE NUMBER

SOUTH AFRICAN POLICE SERVICE
GARSFONTEIN SAPS
2016 -02- 24
CLIENT SERVICE CENTRE
RUID ARRIK&NSP POLISIDJENS

iema Membership Card

Name Babalwa Fatyi
Membership and Registration
Affiliate Member

EA
Valid to 18-Jan-2014

Membership No.
0025153

www.iema.net

info@iema.net

iema

INSTITUTE OF ENVIRONMENTAL
MANAGEMENT & ASSESSMENT

Dedicated to creating a sustainable future through
environmental skills, knowledge and thought leadership

Saracen House, Crusader Road, City Office Park,
Tritton Road, Lincoln, LN6 7AS, UK.
Tel: +44(0)1522 540069 Fax: +44(0)1522540090
E-mail: info@iema.net Web: www.iema.net

... (iema) AANKRIEF IS VAN
... (iema) AANKRIEF IS VAN
... (iema) AANKRIEF IS VAN

I CERTIFY THAT THIS DOCUMENT IS A TRUE REPRODUCTION (COPY) OF THE ORIGINAL DOCUMENT WHICH WAS HANDLED TO ME FOR AUTHENTICATION. I FURTHER CERTIFY THAT, FROM MY OBSERVATIONS, AN AMENDMENT OR A CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

L. P. Stemela
HANDTEKENING/SIGNATURE

MAGSNOMMER / FORCE NUMBER: 10029704 RANG / RANK: CST

NAAM IN DRUKSKRIF / NAME IN PRINT: L.P.STEMELA

SOUTH AFRICAN POLICE SERVICE
GARSFONTEIN SAPS
2016 -02- 24
CLIENT SERVICE CENTRE
SUID AFRICAanse POLISIEDIENS

Appendix 2: Curriculum Vitae and Company profile

CURRICULUM VITAE
OF
BABALWA ATALANTA FATYI

PERSONAL DETAILS

Name Babalwa Atalanta Fatyi (South African)

ID Number: 7212252528082

Residential address: No. 68 Sunset Villas, Langeveldt Street, Vorna Valley

Postal address P O Box 13972, Vorna Valley, 1686

Tel: (012) 998-7642 **Cell:** 082 772 2418

Fax: (012) 998-7641

WORK EXPERIENCE

2005 - to date

Myezo Environmental Management Services (Managing Member)

- Environmental management programmes
- Environmental impact assessments
- Environmental auditing
- Public consultation

2003-2005

Trans Hex Operation (Pty) Ltd

Environmental Management Co-ordinator with activities including:

- Development of legal registers
- Water Use Licence applications
- Environmental Auditing (internal audits)
- Environmental management programmes
- Implementation of various statutes for both land and marine operations
- Implementation of environmental management plans
- Rehabilitation and closure plans
- Development of waste management plans
- Stake holder involvement
- Environmental awareness and competence training

1999 - 2003

SRK Consulting - Environmental Department. Activities include:

- Environmental impact assessments
- Public/stakeholder consultation
- Environmental management programme reports
- Environmental training
- Environmental auditing
- Environmental management systems
- Project co-ordination and management

A list of projects undertaken to date is provided in Page 3.

1996-1998

University of the Witwatersrand

- Teaching assistant.
- Participated in Wits Partnership Programme - Teaching biological and physical sciences in high schools.

SKILLS COMPETENCY TRAINING

Executive preparation programme - Preparation for active participation in the mining industry: Provided by Mining Qualifications Authority in conjunction with University of Johannesburg for a period of six months - 2005.

Microsoft Project - Basic/Intermediate Course provided by Companion ICT Training - 20 May 2013
Safety, Health, Environment and Quality Awareness provided by Hydro Training Academy (Pty) Ltd- 28 January 2014

Competence to Perform basic First Aid provided by Hydro Training Academy (Pty) Ltd- 12 February 2014

SHE Representative by Hydro Training Academy (Pty) Ltd-07 March 2014

B-BBEE Champions Course by Transcend Corporate Advisors-21-23 January 2014

EDUCATION

Junior Secondary

Ngqunge Junior Secondary School – Physical Science, Mathematics and Chemistry – Umtata - 1986

High School

Matriculated at St John's College. – Physical Science, Mathematics and Chemistry- Umtata – 1990

Qualifications obtained

- BSc (University of Transkei), 1996
- BSc (Hons) Wits), 1997
- MSc Wits (Cum Laude), 1999

Major courses obtained

- Botany
- Zoology

All the above mentioned courses enhanced my understanding of structure and functioning of ecosystems as well as integrated environmental management and its associated tools such as environmental impact assessment. The research equipped me with thinking and problem-solving skills including drawing well reasoned conclusions from complex data, recognising developing problems and handling them.

OTHER AREAS OF COMPETENCY

Languages

- English: speak, read, write – Excellent
- Xhosa: Speak, read, write – Outstanding
- Zulu: speak; read, write – Good
- Sotho :speak – Basic

Environmental legislation

I have acquired skills in environmental legislation interpretation. I have an excellent understanding of legal requirements with respect to various environmental management tools.

Skills acquired

- Project management skills
- Report writing skills
- Colleague liaison skills
- Communication skills
 - Presentation and facilitation skills
 - Stakeholder and regulatory involvement
- Environmental legislation interpretation and application

- Business development skills
- Client partnering skills
- Budget control and monitoring skills
- Statistical analysis (Stats packages: Systat)

Undertaking environmental impact assessments and public consultation within the consulting industry has strengthened my skills in being able to realise the objectives of the clients as well as empower the public so they better understand their environmental rights and opportunities in a particular development situation. Working in various phases of development projects has enhanced my appreciation of the holistic view/approach in project management. In addition, my role within the mining industry has strengthened my expertise with respect to implementation of various programmes.

AWARDS

- Business Women Association : Finalist for Regional Achiever Awards 2007
- South African Association for Advancement of Science Medal: awarded for an outstanding MSc degree in the Faculty of Science (2000).

AFFILIATIONS

- International Association of Impact Assessments – South African affiliate

PROFESSIONAL REGISTRATION

- Registered in terms of Article 11 of the Natural Scientific Professions Act, 1993 (Act 106 of 1993). Professional title: Pr.Sci.Nat (400123/01)
- Associate Environmental Auditor: Institute of Environmental Management and Assessment (IEMA), Lincoln, UK

PROJECT EXPERIENCE

(Project Manager role in all the projects listed in this section unless otherwise specified)

APPLICATION FOR ENVIRONMENTAL AUTHORISATION

Environmental impact assessments and plans in terms of National Environmental Management Act, 1998 (Act No. 107 of 1998)

- **Rockstar Trading (Pty) Ltd (trading as CDF Chrome):** Environmental management plan in terms of NEMA for a Chrome Beneficiation Plant on Portion 86 of the Farm Hartebeesfontein 445 J0, Madibeng Local Municipality, North West Province (2011).
- **Elgagen (Pty) Ltd:** EMP done for a Chrome Beneficiation Plant on Portion 181 (A Portion of Portion 2 of the Farm Zandfontein 447 JQ Madibeng Local Municipality, North West province.(2011).
- **Athi River Mining South Africa (Pty Ltd):** Environmental impact assessment in terms of National Environment Management Act, 1998 (Act 107 of 1998) for a Proposed Mafikeng Cement Project and Associated Activities, including quarry within Ngaka modiri Molema district Municipality (2010-2011).
- **The GHAAP Abattoir Ostrich (Pty) (Ltd) (GHAAP), funded by Sishen Iron Ore Company – Community:** Development Trust (SIOC-CDT): Environmental impact assessment/basic assessment for a proposed abattoir and deboning plant in Kuruman located at Portion 1 of ERF 1, next to municipal testing grounds, opposite livestock auction premises, and diagonally opposite the red meat abattoir within Ga-Segonyana Municipality under JohnTaolo Gaetsewe District Municipality, Northern Cape (2011).

- **Solid Waste Technologies SA (Pty) Ltd:** Public participation coordination for hazardous waste treatment facility in City Deep- Johannesburg (2009) and application for environmental authorisation for a transfer station in Durban (2010).
- **Sasol Mafutha (Pty) Ltd:** Myezo subcontracted to SE Solutions to assist with public involvement and reports review for four EIA's done for Mafutha Mine, Town development, Coal to Liquid plant and Services corridor (2009-).
- **Independent Development Trust:** EIA for proposed secondary school in Freedom Park (2008-2010).
- **Metsweding District Municipality:** EIA for proposed Cemetery at Ekandustria (2008- 2010).
- **SE Solutions:** Public participation for proposed capacity expansion of the iron making, steelmaking and rolling facilities at ArcelorMittal South Africa, Newcastle Works (2008-current).
- **SES Solutions:** Public participation for planned coke oven expansion at Mittal Steel (2007-2008).
- **SES Solutions:** Public consultation for a planned by-products mixing plant at Mittal Steel (2006).
- **Clear Channel Independent:** EIA for proposed erection of advertising billboards (2006-2007).
- **Toka Outdoor Advertising (Pty) Ltd:** EIA for proposed erection of advertising billboards (2006-2007).
- **Mbokod Outdoor (Pty) Ltd:** EIA for proposed erection of advertising billboard (2006).
- **Dolphin Outdoor:** EIA for proposed erection of advertising billboards (2006).
- **Primedia Outdoor (Pty) Ltd:** EIA for proposed erection of advertising billboards (2006-2007).
- **Matla Consultants:** Environmental scoping study for a road upgrade in the Brits District, Northwest Province (2005).
- **Rustenburg Local Municipality:** Basic assessment/EIA for the proposed construction of Bokamoso Sewage Pipeline, Rustenburg Local Municipality, North West Province (2012).
- **Mafikeng cement (Pty) Ltd:** Environmental Impact Assessment for the proposed Mafikeng Cement Project within Mahikeng and Ditsobotla Local Municipalities, North West Province (2010).
- **Tsosoletso Resources (Pty) Ltd:** Environmental Management Plan for Sunbury Siding Project, within Mpumalanga Province (2012).
- **Trans Hex Operations (Pty) Ltd** -Application For Consolidating Application In Terms Of Sub-Regulation 14(1) of EIA Regulations, 2010 (GNR 543 of 18 June 2010), under the National Environmental Management Act, 1998 (Act No. 107 of 1998) For Environmental Authorization For Sea Concession 5a, 6a, 7a,3b And 5b Within the Administrative District Of Namaqualand.
- **SALP Constructions (Pty) Ltd**-Environmental Management Plan for the proposed development at Masebe Nature Reserve with the Mogalakwane Local Municipality, Limpopo (2014).

Basic Assessment Report in terms of National Environmental Management Act (Act No. 107 of 1998)

- **Aplorox CC**-Basic Assessment Report for the proposed coal storage at Forfar Siding on Portion 131 of the Farm Vaalbank 511-JR with the Kungwini Local Municipality, Gauteng (2014).

APPLICATION FOR MINING AUTHORISATION

Environmental impact assessments and plans in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002)

- **Double Ring Mineral Resources (Pty) Ltd:** Environmental Management Plan for the proposed gold processing site within the Farm Batavia 176 KP in Thabazimbi, Limpopo Province (2012).

- **ALS BEE Projects:** Environmental Management Plan for TCC Gravel Mine in support of mining permit (Site 1 and 2) on Portion of the Remainder Portion 488 of Town and Townlands, 235 JQ Potchefstroom within Tlokwe City Council (2011).
- **Smart Geo Science:** Environmental Management Plan amendment for a mining permit for Batavia Project, within Mpumalanga Province (2012).
- **Smart Geo Science:** Environmental Management Plan for an application for prospecting right, for Remainder and Portion 1 (Samekos) of Farm Kookfontein No 31, Portion 1,2,3,4 and the Remainder of farm No 33, Portion 1 and the Remainder of Farm 49, Portion 1,2,3 and the Remainder of Farm Van Wyksfontein No 50 and Portion 1,2 and Remainder of Farm of Farm No 51. Barkley west, within Northern Cape Province.
- **Smart Geo Science:** Environmental Management Plan for an application for prospecting right, for portion 2 and 63 of the Farm Middelvlei 255 IQ, District of Randfontein (2012).
- **Alizay Properties 31 (Pty) Ltd:** Environmental Management Plan in support of the prospecting operation, in respect of the farms Blaauwkop 271 it, Schimmelhoek 272 it, Steenkoolspruit 275 it, Onverwacht 273 it and others (situated within the Magisterial District of Ermelo, Mpumalanga Province).
- **Silver Unicorn Trading 33 (Pty) Ltd:** Environmental Management Plan for an application for prospecting right, for Silver Unicorn Trading 33 (Pty) Ltd located at portion of the farm and remaining extent of portion 112 of farm Nooitgedacht 268 it, situated within the Magisterial District of Ermelo, Mpumalanga Province (2011).
- **African Exploration Mining and Corporation (Pty) Ltd:** Environmental Management Plan in support of application for a prospecting right, on Farms Paynesvale 608, Kingston 607, Klippan 377, Geduld 661, Thanet 126 and Steyn'Shoek, within the Magisterial District of Kroonstad, Free State Province (2010).

Environmental management programmes in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002)

- **Athi River Mining South Africa (Pty) Ltd:** Environmental Management Programme is support of a mining right in terms of Section 39 and of Regulation 50 and 51 of Mineral and Petroleum Resource Development Act, 2002 (Act No.28 of 2002), Mahikeng, North West Province. (2012-2013).
- **Enermin Africa (Pty) Ltd:** Environmental Management Programme is support of a mining right in terms of Section 39 and of Regulation 50 and 51 of Mineral and Petroleum Resource Development Act, 2002 (Act No.28 of 2002), Mahikeng, North West Province. (2012-2013).
- **Trans Hex Operation (Pty) Ltd:** Development of environmental management plans and environmental performance audits for marine and land operations (2005-2012 (on going). Projects include :
 - Environmental management programme update, audit and closure plan for Brazil Farm.
 - Environmental management programme update for Hondeklip Bay Operation.
 - Environmental management plans for more than 30 prospecting rights application in the Limpopo, Gauteng, Northwest and Northern Cape.
 - Closure plans for more than twenty prospecting rights.
- **Environmental Resource Management (SA):** Coordination and management of an environmental impact statement for a Burkina Faso Zinc Mine (2005).
- **Mineral Capital Assets:** Development of prospecting environmental management plans for farms on the Northwest Province. (2005).
- **Enermin Africa (Pty) Ltd:** Environmental Management Programme Report for the proposed Koi Koi Stone Quarry Project (2012), MR.
- **Mafikeng Cement(Pty) Ltd:** Environmental Management Programme Report submitted for an application for mining right for Mafikeng Cement Project (2012), MR.

- **Trans Hex Operations (Pty) Ltd:** Revised Environmental Management Programme Report updates for Sea Concession 5a, 6a, 7a, 3b and 5b Northern Cape (2013), MR.
- **Alexkor SOC Ltd:** Environmental Management Programme in respect of Sea Concession 1(c) Mining Project, Northern Cape Province (2013) MR.
- **Alexkor SOC Ltd:** Environmental Management Programme in respect of Sea Concession 4(a) Mining Project, Northern Cape Province (2013) MR.
- **Alexkor SOC Ltd:** Section 93 order in for a mining right issued on Portion 14, 15, 16, 17 and 19 of the Farm Korridor WES No.2, Farm 1, Farm Brandkaros No.617, Farm Arrisdraft No.616, Farm No.155 and Remainder of Farm Gypsums No.5 Situated in the Administrative District of Namaqua (2013).

Country reports, sustainability reports and closure plans

- **Department of environmental Affairs and Tourism:** Fourth Country Report for United Nations Convention to Combat Desertification (2008).
- **Wesizwe:** Development of sustainability framework including policies, standards and guidelines (2008-2009).
- **Etruscan Resources Inc:** Environmental Management Programme in support of a mining right application (2007)
- **Trans Hex Operations (Pty) Ltd:** Closure plans and associated performances assessment audits and financial provision calculations for prospecting farms. (200-current).
- **Unimining Joint Venture:** Implementation of environmental measures during rehabilitation of an asbestos Mine – Heningvlei (2006-2007).
- **Department of Minerals and Energy-Council for Scientific and Industrial Research Project for abandoned Mines:** Myezo subcontracted by CSIR for development of Environmental Best Practice guidelines for Granite Mines in the North –West Province. (2005).
- **Alexkor SOC Ltd:** Alexkor's Five Year Implementation Land Rehabilitation Plan at its Alexander Bay Mine in Northern Cape (2014).
- **Trans Hex Operations (Pty) Ltd:** Application for Closure Certificates in terms of Section 43 (4) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), were prepared for various prospecting activities undertaken in the following farms in Northern Cape by Trans Hex. (10 Closure Plans were prepared) (2009).
- **Trans Hex Operations (Pty) Ltd:** Application for Closure Certificates in terms of Section 43 (4) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), were prepared for various prospecting activities undertaken in the following farms in North West by Trans Hex. (23 Application for Closure Plans were prepared) (2009).
- **Trans Hex Operations (Pty) Ltd:** Application for Closure Certificates in terms of Section 43 (4) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), were prepared for various prospecting activities undertaken in the following farms in Limpopo by Trans Hex. (19 Application for Closure Plans were prepared) (2009).
- **Trans Hex Operations (Pty) Ltd:** Application for Closure Certificate in terms of Section 43 (4) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), for Sea Concession 11c, 13c and 18d, Vredendal District, Western Cape (2012).
- **Trans Hex Operations (Pty) Ltd:** Application for Closure Certificate in terms of Section 43 (4) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), in for Portion 1 of Farm Amam No. 46, Namaqualand District, Northern Cape (2013).
- **Alexkor SOC Ltd:** Climate Change Plan As Directed by the Department Of Public Enterprises Climate Change Policy Framework for State Owned Companies (2014).

Environmental Training

- **Gropec (Pty) Ltd:** Developed training material and provided environmental awareness training to about 600 employees of Eskom's Kendal Powerstation on matters related environmental rights as prescribed by Section 24 of National environmental Management Act (107 of 1998) and waste management, auditing and general matters related to pollution control.(2012-2013).
 - **Elgagen (Pty) Ltd:** Environmental awareness training for personnel responsible for implementing the EMP and also awareness provided for the adjacent community to partner with the plant in monitoring environmental commitments (2010).
-

- **Trans Hex Operations (Pty) Ltd:** Ongoing environmental training of employees with environmental obligations to promote compliance with conditions of the environmental management plans – Environmental awareness and competence training on how to implement environmental commitments (for Baken Mine, Bloeddrift Mine and Reuning Mine. Focusing on Mining and Earth moving, Mineral Processing and Support and services such as water supply personnel. Training also incorporated members of community property association who are responsible for monitoring EMP implementation on site. (2005, 2006, 2009 and 2010).
- **Reuning Mine :** Environmental awareness training on waste management for all employees with environmental responsibilities to ensure that there is waste minimisation and proper handling and management of waste disposal landfill sites (2010).
- **CGM Louis Trichardt Joint Venture, Kutama-Senthumule Maximum Security Prison:** Training of senior construction site personnel in environmental management. (2000).
- **Etruscan Diamonds (Pty) Ltd:** Environmental training of employees with environmental obligations to promote compliance with conditions of the environmental management plans (2008).
- **Etruscan Diamonds (Pty) Ltd:** Environmental training of the community who were 26% shareholders in the mining venture to be able to understand the environmental commitments and assist in monitoring compliances (2008).
- **Abongi Bemvelo Services:** Environmental training of personnel in environmental management – introduction to mining (2008).
- **Gropec (Pty) Ltd:** Environmental Awareness Training Course for Eskom's Kendal Power Station employees, Witbank, Mpumalanga (2012).
- **Gropec (Pty) Ltd:** Managing Environmental Aspects – Waste Management Training Course for Eskom's Kendal Power Station employees, Witbank, Mpumalanga (2013).

Environmental Auditing

- **Trans Hex Operations (Pty) Ltd:** Lead auditor for annual external audits undertaken for Trans Hex's mining operations- Baken Mine, Bloeddrift Mine and Reuning Mine, Northern Cape (2005, 2006, 2007 and 2008).
- **Trans Hex Operations (Pty) Ltd :** Lead Auditor for biannual performance assessment external audits for Baken Mine , Bloedfirr Mine and Reuning Mine, Northern Cape (2010, 2012)
- **Trans Hex Operations (Pty) Ltd:** Lead auditor and environmental audit reports compilation for prospecting mining closure applications (More than 20 audits and closure application (2008-ongoing).
- **Trans Hex Operations (Pty) Ltd:** Lead auditor for Annual and quarterly internal audits undertaken for five mining operations in preparation for the external audits (2003-2004).
- **Trans Hex Operations (Pty) Ltd:** Annual and two yearly external monitoring and performance assessment audits and annual financial provision revision for Sea Concession 11(a) and 12(a) and 13(a), Northern Cape 2005-2011 (in progress).
- **Trans Hex Operations (Pty) Ltd:** Performance assessment audits for sea concession area 3(b), 5(b) (5a), 6(a) and 7(a), Northern Cape (2012).
- **Trans Hex Operations (Pty) Ltd:** Performance assessment biannual audits for Hondeklip Bay Mine and Brazil Mine. (2012).
- **Double Ring Mineral Resources (Pty) Ltd:** Performance Assessment for prospecting activities on Farm Goedehoop 196 HT, Piet Retief in Mpumalanga Province (2012).
- **Enermin Africa (Pty) Ltd:** Performance Assessment for Enermin Africa (Pty) Ltd prospecting activities on Farm Molopo Ratshidi 302, within the Mafikeng Local Municipality, North West Province (2013).
- **Alexkor Ltd:** Performance assessment report for the prospecting activities undertaken over Sea Concession 1(c), within the Administrative District of Namaqualand, Northern Cape (2013).
- **Double Ring Mineral Resources (Pty) Ltd:** Performance assessment report for the mining activities on Farm Batavia 176 KP, within the Magisterial District of Thabazimbi, Limpopo province (2013).
- **Trans Hex Operations (Pty) Ltd-**Performance Assessment Report for Sea Concession 11(A), 12(A), 13(A) and corresponding Surf Zones and Admiralty Strip (2013).
- **Trans Hex Operations (Pty) Ltd-**Performance assessment report for Transhex Bloeddrift Agricultural Activities located on Farm 11 and Portion 5 of Bloeddrift within the Richtersveld Local Municipality, Northern Cape Province (2013).
- **Trans Hex Operations (Pty) Ltd-**Performance Assessment Audit for Baken Mine Situated in The Richtersveld Local Municipality Under The Namakwa District Municipality, Northern Cape Province (2014).

- **Trans Hex Operations (Pty) Ltd**-Performance Assessment Audit for Bloeddrift Mine Situated in The Richtersveld Local Municipality Under The Namakwa District Municipality, Northern Cape Province (2014).
- **Trans Hex Operations (Pty) Ltd**-Performance Assessment Audit for Reuning Mine Situated in The Richtersveld Local Municipality Under The Namakwa District Municipality, Northern Cape Province (2014).
- **Alexkor SOC Ltd**: Renewal report for the prospecting activities undertaken over Sea Concession 1(c) within the Administrative District of Namaqualand, Northern Cape Province (2013).
- **Alexkor SOC Ltd**: Performance assessment for the prospected Sea Concession 1(c) located with Administrative District of Namaqualand, Northern Cape Province (2013).

Boat Launching Application in terms of Regulation 7 of the regulations published in terms of Section 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) and GN No. 1399 of 21 December 2001

- **Trans Hex Operations (Pty) Ltd**: Boat Launching Application in terms of Regulation 7 of the regulations published in terms of Section 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) and GN No. 1399 of 21 December 2001 for the proposed Brazil Boat Launching Site, in Northern Cape (2012).

Waste License Application in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008)

- **Trans Hex Operations (Pty) Ltd**: Environmental Impact Assessment Report for Baken and Bloeddrift Mine Waste Disposal Site, Northern Cape (2012).

Water Use Licence Application in terms of the National Water Act, 1998 (Act No. 36 of 1998)

- **Trans Hex Operations (Pty) Ltd**: Integrated Water and Waste Management Plan (IWWMP) in terms of the National Water Act, 1998 (Act No. 36 of 1998), for De Punt Mine located within the Matzikana Municipality, Western Cape (2013).
- **Trans Hex Operation (Pty) Ltd**: Water use licence applications (2006-ongoing)
- **Enermin Africa (Pty) Ltd**-Water Use Licence Application for Koi-Koi Crushers Project, Situated on Part of Farm Molopo-Ratshidi 302 Jo, within Mafikeng Local Municipality.
- **Vuka Afrika Consulting Engineers and Project Managers**: Water use licence application for the construction of the proposed Bokamoso Sewage Outfall Pipeline (2011-current), North West Province.
- **Aplorox cc**- Water Use Licence Application for the Proposed Operations Of Railway Siding and Associated Environmental Aspects on Forfar Railway Siding Portion 131 of The Farm Vaalbank 511 Jr Within The Kungwini Local Municipality (2014).
- **Clover Alloys (SA) (Pty) Ltd**- Water Use Licence Application for the proposed Crushing and Screening Beneficiation Plant On Portion 23 (Portion 13-Lg 306) of Farm Rietfontein, Under Rustenburg Local Municipality (2014).

Rectification of an Unlawful Activity in terms of Section 24 G of the National Environmental Management Act, 1998 (Act No. 107 of 1998)

- **Alexkor SOC Ltd**- Application for rectification an unlawful activity on Farm No. 1 and Port Nolloth Reserve No. 115 within the Namaqualand District Municipality, Northern Cape.

Environmental Screens

- **Gijima Supply Chain Management Services (Pty) Ltd**-Environmental screen tool designed for use in assessing lease application for Arbor Siding Project within Emalahleni Local municipality, Mpumalanga (2014).

OTHER PROJECTS INVOLVEMENT PRIOR TO 2005

Environmental Impact Assessments

- **BHP/Resolute Joint Venture, Belahouro Gold Project:** Co-ordination of pre-feasibility level environmental scan for Belahouro Gold Mining Project, Burkina Faso (1999).
- **Rio Tinto Zimbabwe, National Power United Kingdom, Zimbabwe Electricity Supply Authority, Gokwe North Project, Zimbabwe:** Gokwe North Power Project environmental impact assessment (EIA), Zimbabwe: Legislation interpretation for an EIA to ensure compliance with World Bank requirements (1999).
- **Maguga dam Joint Venture:** Co-ordinated and managed Environmental impact assessment as required by the Swazi Environmental Authority for the construction of an attenuation dam downstream of Maguga Dam to regulate flow into the Komati River, Swaziland. (2001)
- **Jeffares and Green Inc and Gauteng Department of Public Works and Transport, PWV 9 Road:** Co-ordination and public involvement of the scoping study in support of environmental authorisation for the development of the PWV 9 toll highway, Gauteng. (1999 – 2001).
- **Ericsson Cellular SA (Pty) Ltd / Skanska Telecom Networks (Pty) Ltd / Proconord International OY, Installation of Cellullar Network:** Co-ordinated site screening, visual impact assessment and report writing for the proposed installation of cellular base stations, Gauteng. (2000-2001).
- **Rustenburg Local Municipality:** Basic Assessment for Construction of the Proposed Bokamoso Sewage Pipeline on Portion 1,2,10,13,50 and 86 of the Farm Paardekraal 279 JQ, Portion 19 and 38 of the Farm Waterval 303 JQ and Remainder of Farm Waterval 303 JQ, Rustenburg Local Municipality, North West Province (2013).

Environmental Management Programme Reports

- **Barplats Mines Limited, Re-opening of Crocodile River Mine:** Co-ordination and a management of an EIA for the re-opening of Crocodile River Mine in the North West Province. The EIA was used to produce an environmental management programme report (EMPR) that was submitted to obtain mining authorisation in terms of the Minerals Act (No. 50 of 1991). (1999-2000).
- **Nkomati Joint Venture, Expansion of Nkomati Mine:** Management of a public involvement programme for an EIA to produce an EMPR for expansion of the Nkomati Mine, Mpumalanga, using open cast mining methods. (1999-2000).
- **Kroondal Platinum Mines Limited, Phase II Expansion:** Management of a public involvement programme for an amendment to an environmental management programme report, North West Province (2000-2001).
- **Rustenburg Platinum Mine-Union Section:** Co-ordination of an amendment (tailings dam, opencast section, a railway line and a mineral processing plant) to an environmental management programme report, Northwest, (2001-2002)
- **Rustenburg Platinum Mine-Union Section:** Management of a revision of an approved environmental management programme report into environmental management system format according to ISO 14001 specifications, Northwest Province (2001-2003).
- **Rustenburg Platinum Mine-Rustenburg Section:** Co-ordination of an environmental management programme report for an open cast mine in Waterval 306 JQ farm in Rustenburg, Northwest. (2001-2002).
- **Anglo American Platinum, Potgietersrust Platinums Limited:** Managed compilation of an environmental management programme report amendment for a new tailings dam in Potgietersrust, Northern Province. (2002).

COMPANY CONTRIBUTIONS

- SRK's Business Development Committee: Represented environment department in discussions on general company marketing initiatives and activities (2001).

- Employment Equity Committee: Review, monitor and make recommendations on SRK's employment policies, procedures and practices as stipulated in the Employment Equity Policy and Plan (2000-2003).
- Health and Safety representative (Myezo -current)

PUBLICATIONS

B.A Mbalo (Fatyi) and E. T. F. Witkowski (1997): Tolerance to soil surface temperatures experienced during and after the passage of fire in seeds of selected savanna woody plant species. South African Journal of Botany, 63: 423-425.

N. Mol and B.A Mbalo (Fatyi) (2001): South African Legislation: A step in the right direction. Presented at the Chamber of Mines Conference on Environmentally Responsible Mining: Conference Proceedings, 2001.

ETF Witkowski and BA Mbalo (Fatyi) (2002): Interactive effects of post fire cues, soil nitrate and smoke on germination. Journal of Arid Environments 38: 541- 550.

WITKOWSKI, ETF & MBALO, B (2002). Interactive effects of the post-fire cues, soil nitrate. Journal of Arid Environments 38: 541-550.

SHORT COURSES (Week)

- **Implementing Integrated Management Systems: ISO 9001, ISO 14001 and OHSAS 18001-** Potchefstroom University 2006.
- **Mining Qualifications Authority:** Executive preparation programme focusing on understanding key elements and principles of mining: presented by University of Johannesburg (2005).
- **Microsoft Project 2000:** Introduction: project management tool. Presented by Executrain. 2001.
- **National Environment Management: Integrated Coastal Management Act, 24 of 2008 :** Presented by Imbewu Sustain ability Legal Specialists (1 day) - 2010
- **Environmental Auditing:** Techniques and Methodologies. Presented by Eagle Environmental. 1999.
- **Implementing Environmental Management Systems (SABS/ISO 14001):** Presented by Centre for Environmental management -Potchefstroom University 2002.
- **Waste Management For Environmental Managers:** Presented by Centre for Environmental management -Potchefstroom University 2003.
- **Environmental Management Tools in the Workplace:** Presented by Centre for Environmental management -Potchefstroom University.2003.
- **Sustainable Development short course -** Tools and techniques at mining operations. Presented by centre for sustainability in mining and industry. March 2003.
- **Environmental Auditor's course:** Aspects International, UK - IEMA approved. Presented by Crystal Clear Consulting and Merchants (Pty) Ltd .2004.
- **Business Finances for Non-Financial Managers:** Presented by Weidemann Consulting: Engineering and Management. 2001.
- **Introduction to Ground Water.** Presented by Ground Water Division of the Geological Society of South Africa. 2000.
- **Resource Conservation Biology :** Wits -1998
- **Population and Ecosystem Modelling:** Wits-1998
 - Good understanding of Scenario models -exploring management options; harvesting models adaptive management, surplus production, optimum sustainable yield, stock reduction, over - harvesting, uncertainty and harvest quotas.
- **Resource Economics:** Wits-1998
- **Geographic Information Systems (IDRISI for windows)** Wits: 1998

REFERENCES

Mr Mervyn Carstens

Executive Director: SA Land operations
 Trans Hex Operations (Pty) Ltd
 P O Box 723
 Parow

7499

Tel: 021 937 2000

Email: mervync@transhex.co.za

Mr Muleso Kharikha

Director: Resource use

Department of Environmental Management Services

Private Bag X447, Pretoria, 0001

Tel: 012 310 3451/3578

Cell: 083 2720302

Email: jkharikha@deat.gov.za



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

COMPANY PROFILE



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES (PTY) LTD

*Babalwa Atalanta Fatyi
Founder & Director of Myezo*

Myezo Environmental Management Services (Pty) Ltd. Myezo was founded by Babalwa Atalanta Fatyi – in 2005. Babalwa is the Director and a registered Professional Natural Scientist with Master of Science (Cum Laude). Myezo is an Environmental Consulting Company that Provides a range of Environmental Services, cutting across various sectors, specialising in mining.

Achievements

- Registered Professional Natural Scientist with Master of Science (Cum Laude) (1999).
- Received a SA Association for Advancement of Science Award for an outstanding MSc degree in the Faculty of Science, 1999
- A Business Women Association: Finalist for Regional Achiever Awards, 2007
- Finalist for CEO's Africa's most Influential Women in Business Arts & Culture sector, 2015.

Academic Qualifications

- Master of Science - Wits University (Cum Laude) 1999
- Bachelor of Science Honours (Botany) - Wits 1997
- Bachelor of Science - University of Transkei, 1996

Affiliations

- International Association of Impact Assessments -SAfrican affiliate

Professional Registration

- Registered in terms of Article 11 of Natural Scientific Professions Act, 1993 (Act 106 of 1993). Professional title: Pr.Sci.Nat
- Environmental Auditor: Institute of Environmental Management and Assessment, Lincoln, UK

MYEZO VALUE ADDED SERVICES

We offer our clients a pool of environmental expertise to meet their authorisation, implementation and monitoring needs. The key services are outlined below.

- Environmental impact assessments
- Environmental management programme reports including development / implementation of environmental management plans
- Environmental management systems water use licences
- Integrated waste management plans
- Public involvement (liaisons with stakeholders and regulatory authorities)
- Environmental workshops

Company Mission

To provide wise environmental solutions which promote responsible environmental stewardship, as well as upliftment of social, economic and ecological sanity.

Unique Success Proposition

- Peace of mind through mutual win-win implementable environmental solutions.
- Open engagement, empowerment and facilitation of stakeholder engagements, designed to achieve integrated environmental solutions and transparent governance.
- Good quality reports with jointly tested and assessed alternative solutions that not only comply with your project regulatory requirements, but are tailored to promote easy implementation, monitoring and continuous improvement.
- Environmental solutions, which optimise environmental resource use and promote environmental stewardship.

BUSINESS EXCELLENCE MODEL "CARE"

Our values are our critical assets and we are committed to upholding them. Myezo is built on key values that embody what we term as CARE. Upholding these qualities have helped the business develop and prosper into the environmental management services company, it is today, and has sustained return clientele, including JSE listed companies and those who had been voted amongst the top 100 companies.

The illustration below indicates this model.





MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship



Environmental impact assessments | Management programme reports | Management system | Water use licences | Waste management plans | Public involvement | Env workshops | Env auditing

OUR SERVICE EXCELLENCE GUARANTEE

- We guarantee 100% legal compliance.
- We guarantee delivery by mutually agreed project phases.
- We guarantee delivery on mutually agreed target timelines provided all stakeholders deliver at specified time periods or 1% discount on the overall cost of each project phase that we do not deliver at agreed time frame.

BENEFITS OF WORKING WITH MYEZO

- You will make a difference in your bottom line by avoiding unnecessary environmental authorisation delays and excessive costs.
- You will comply with regulatory requirements.
- You will be in control of your business by integrating implementation and monitoring of your environmental solutions into your existing business systems.
- You will continuously improve on your environmental performance and be an admired environmental steward.



ENVIRONMENTAL MANAGEMENT UNIT

- Basic Assessments;
- Scoping and Environmental Impact Assessments;
- Mining and Prospecting Right Applications;
- Environmental Impact Assessments;
- Environmental Management Programmes;
- Water Use Licence Applications;
- Air Pollution Certificates;
- Amendment of Environmental Management Programmes;
- Performance Assessments and Audits in terms of NEMA and MPRDA.

WATER & ENGINEERING UNIT

- Water Resource Management Studies;
- Storm Water Management;
- Applicability of Best Practice Guidelines;
- Water Use Licensing;
- Flood line Delineation;
- Water Balance Studies;
- Water Quality/Management (Including monitoring); GIS applications;
- Water Pollution Prevention Methods;
- Minimization of water retention on rehabilitated lands;
- Effective clean and dirty water separation; and
- Containment of Polluted Water.





OUR TRACK RECORD Environmental Auditing

- Trans Hex Operations (Pty) Ltd:** Lead auditor for annual external audits undertaken for Trans Hex's mining operations - Baken mine, Bloedriif Mine and Reuning Mine, Northern Cape (2005, 2006, 2007, 2008, 2011).
- Trans Hex Operations (Pty) Ltd:** Annual and two yearly external monitoring and performance assessment audits and annual financial provision revision for Sea Concession 11(a), 12(a) and 13(a), Northern Cape 2005-2011 (2014-on-going).
- Trans Hex Operations (Pty) Ltd:** Performance Assessment Report for the mining activities to comply with Regulation 55 and 54 of the Minerals and Petroleum Resources Development Act (Act No. 28 of 2002), for various prospecting activities undertaken in the Remhoogte by Trans Hex Operations. (2014-2015)
- Double Ring Mineral Resources (Pty) Ltd:** Performance Assessment for prospecting activities on Farm Goedehoop 196 HT, Piet Retief in Mpumalanga Province (2012).
- Enermin Africa (Pty) Ltd:** Performance Assessment for Enermin Africa (Pty) Ltd prospecting activities on Farm Molopo Ratshidi 302, within the Mafikeng Local Municipality, North West Province (2013).
- Alexkor Ltd:** Performance assessment report for the prospecting activities undertaken over Sea Concession 1(C), within the Administrative District of Namaqualand, Northern Cape (2013).
- Makson Trading Enterprise CC:** Performance Assessment Report for Makson Trading Enterprise CC, located in Xhalanga Municipality, within the Magisterial District of Chris Hani, in the Eastern Cape Province. (2015-Current)
- Environmental Management Programmes in terms of the Mineral & Petroleum Resources Development Act 2002 (Act No. 28 of 2002)**
 - Athi River Mining South Africa (Pty) Ltd:** Environmental Management Programme is support of a mining right in terms of Section 39 and of Regulation 50 and 51 of Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), Mahikeng, North West Province. (2012-2013).
 - West Coast Resources (Pty) Ltd:** Amendment of an Environmental Management Programme (EMP) and Environmental Impact Assessment (EIA), in support of a mining right held by West Coast Resources (WCR), over the Namaqualand Mines, in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) and Mineral and Petroleum Resources Development Act, (Act No. 28 of 2002) (MPRDA) within the Administrative District of Namaqualand, Northern Cape. (2015-Current).
 - Etruscan Resources Inc:** EMP in support of a mining right application (2007).
- Country Reports, Sustainability Reports and Closure Plans**
 - Environmental management programme update, audit and closure plan for Brazil Farm.
 - Environmental management programme update for Hondeklip Bay Operation.
 - Environmental management plans for more than 30 prospecting rights application in the Limpopo, Gauteng, Northwest and Northern Cape.
 - Closure plans for more than twenty prospecting rights.
- Department of Environmental Affairs & Tourism:** Fourth Country Report for United Nations Convention to Combat Desertification (2008).
- Wesizwe:** Development of sustainability framework including policies, guidelines (200-2009).
- Trans Hex Operations (Pty) Ltd:** Closure plans and associated performances assessment audits and financial provision calculations for prospecting farms (2009-current).
- Unimining Joint Venture:** Implementation of environmental measures during rehabilitation of an asbestos Mine - Henningvlei (2006-2007).
- Department of Minerals and Energy-Council for Scientific & Industrial Research Project for abandoned Mines:** Myezo subcontracted by CSIR for development of Environmental Best Practice guidelines for Granite Mines in the North-West Province (2005).
- Alexkor SOC Ltd:** Alexkor's Five Year implementation Land Rehabilitation Plan at its Alexander Bay Mine in Northern Cape (2014).

- Trans Hex Operations (Pty) Ltd:** Application for Closure Certificates in terms of Section 43 (4) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), for various prospecting activities undertaken on farms in Northern Cape by Trans Hex. (10 Closure Plans were prepared) (2009).

- Trans Hex Operations (Pty) Ltd:** Application for Closure Certificates in terms of Section 43 (4) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), were prepared for various prospecting activities undertaken on farms in North West by Trans Hex. (23 Application for Closure Plans were prepared) (2009).

Environmental Impact Assessments and Plans in terms of National Environmental Management Act 1998 (Act No. 107 of 1998)

- Athi River Mining South Africa (Pty) Ltd:** Environmental impact assessment in terms of National Environmental Management Act 1998 (Act 107 of 1998) for a proposed Mafikeng, a Cement Project and associated activities, including quarry within Ngaka Modiri Molema district Municipality (2010-2011).

- Mafikeng Cement (Pty) Ltd:** Environmental Impact Assessment for the proposed Mafikeng Cement Project within Mahikeng and Ditsobotla Local Municipalities, North West Province (2010).

- The GHAAP Abattoir Ostrich (Pty) Ltd (GHAAP):** Funded by Sishen Iron Ore Company Community, Development Trust (SIOC-CDT), Environmental Impact assessment / basic assessment for a proposed abattoir and deboning plant in Kuruman located at Portion 1 of ERK-1, next to municipal testing grounds, opposite livestock auction premises, and diagonally opposite the red meat abattoir within Ga-Segonyana Municipality under John Taola Gaetsewe District Municipality, Northern Cape (2011).

- Independent Development Trust:** EIA for proposed secondary school in Freedom Park (2008-2010)

- SALP Construction (Pty) Ltd:** Basic Assessment Report in terms of Activity in terms of the EIA regulations R546 National Environmental Management Act, 1998 (Act No. 107 of 1998) for proposed development at Masebe Nature Reserve in Limpopo Province. (2014-2015)

- Vuka Africa Consulting Engineers & Project Managers:** Environmental Impact Assessment /Basic Assessment for an application for Environmental Authorisation for proposed Bokamoso Sewage Pipeline Project in terms of Activity No. 9 (l) in GN. No. R 544 of the National Environmental Management Act, 1998 (Act No. 107 of 1998), in Rustenburg Local Municipality, North West Province. (2013-2015).

Environmental Impact Assessments and Plans in terms of the Mineral & Petroleum Resources Development Act 2002 (Act No. 28 of 2002)

- ALS BEE Projects:** Environmental Management Plan for TCC Gravel Mine in support of mining permit (Site 1 and 2) on Portion of the remainder portion, 488 of town, and townlands, 235 JQ Potchefstroom within Tlokwe City Council (2011).

- Smart Geo Science:** Environmental Management Plan for an application for prospecting right, for Remainder and Portion 1 (Samekos) of Farm Kookfontein No 31, Portion 1,2,3,4 and the Remainder of farm No 33, Portion 1 and the Remainder of Farm 49, Portion 1,2,3 and the Remainder of Farm Van Wyksfontein No 50 and Portion 1,2 and Remainder of Farm No 51, Barkley west, within Northern Cape Province.

- Smart Geo Science:** Environmental Management Plan for an application for prospecting right, for portion 2 and 63 of the Farm Middelvlei 255 IQ, District of Randfontein (2012).

- Alizay Properties 31 (Pty) Ltd:** Environmental Management Plan in support of the prospecting operation, in respect of farms Blaauwkoop 271 It, Schimmelhoek 272 It, Steenkoolspuit 275 It, Onverwacht 273 It/others (situated within Magisterial District of Ermelo, Mpumalanga Province).

- Silver Unicorn Trading 33 (Pty) Ltd:** Environmental Management Plan for an application for prospecting right, for Silver Unicorn Trading 33 (Pty) Ltd located at portion of the farm and remaining extent of portion 112 of farm Nooitgedacht 268 It, situated within the Magisterial District of Ermelo, Mpumalanga Province (2011).

Water Use License Application in terms of the National Water Act 1998 (Act No. 36 of 1998)

- Trans Hex Operations (Pty) Ltd:** Integrated Water and Waste Management Plan (IWWMP) in terms of the National Water Act 1998 (Act No. 36 of 1998), for De Punt Mine located within the Matzikana Municipality, Western Cape (2013).

- Trans Hex Operation (Pty) Ltd:** Water use licence applications (2006-ongoing).

- Enermin Africa (Pty) Ltd:** Water Use Licence Application for Koi-Koi Crushers' Project, Situated on Part of Farm Molopo-Ratshidi 302 Jo, within Mafikeng Local Municipality.

- Vuka Afrika Consulting Engineers and Project Managers:** Water use licence application for the construction of the proposed Bokamoso Sewage Outfall Pipeline (2011-2015), North West Province.

- Aporox cc:** Water Use Licence Application for the Proposed Operations of Railway Siding and Associated Environmental Aspects on Forfar Railway Siding Portion 131 of the farm Vaalbank 511 Jr within the Kungwini Local Municipality (2014).

- Clover Alloys (SA) (Pty) Ltd:** Water Use Licence Application for the proposed Crushing and Screening Beneficiation Plant On Portion 23 (Portion 13-Lg 306) of Farm Rietfontein, under Rustenburg Local Municipality (2014).

ENVIRONMENTAL TRAINING

- **ALS BEE Projects:** Environmental Management Plan for TCC Gravel Mine, in support of a mining permit (Site 1 and 2) on Portion of the remainder portion 488 of town and townlands, 235 JQ Potchefstroom within Tlokwe City Council (2011).
- **Trans Hex Operations (Pty) Ltd:** Ongoing environmental training of employees with environmental obligations to promote compliance with conditions of the environmental management plans Environmental awareness and competence training on how to implement environmental

commitments (for Baken Mine, Bloeddrift Mine and Reuning Mine). Focusing on Mining and Earth moving, Mineral Processing and Support and services such as water supply personnel. Training also incorporated members of community property association who are responsible for monitoring EMP implementation on site. (2005, 2006, 2009 and 2010).

- **Gropec (Pty) Ltd:** Managing Environmental Aspects-Waste Management Training Course for Eskom's Kendal Power Station employees, Witbank, Mpumalanga (2013).



BEE EMPOWERMENT LEVEL ONE Broad-Based Black Economic Empowerment & Accreditations

- Woman led and level 1 BEE Certificate.
- **Publications**
- B.A Mballo (Faty) and E. T. F. Witkowski (1997): Tolerance to soil surface temperatures experienced during and after the passage of fire in seeds of selected savanna woody plant species. South African Journal of Botany, 63: 423-425.
- N. Mol and B.A Mballo (Faty) (2001): South African Legislation: A step in the right direction. Presented at the Chamber of Mines Conference on Environmentally Responsible Mining: Conference Proceedings, 2001.
- ETF Witkowski and BA Mballo (Faty) (2002): Interactive effects of post fire cues, soil nitrate and smoke on germination. Journal of Arid Environments 38: 541- 550.

KEY TEAM LEADER'S PROFILES

Babalwa A. Mballo (Faty) DIRECTOR - ENVIRONMENTAL CONSULTANT



Babalwa's vision as a South African female business owner and entrepreneur is to be a voice of consciousness, and instrument of change in the manner in which development and environmental matters are handled. My environmentally consciousness passion, goes beyond just professional implementation.

She has witnessed, committed and contributed to South Africa's progression as a nation from mere preservation to conservation to environmental responsible development that is with socio-economic responsibility to empower. Babalwa's approach is modest and audacious at the same time as she proposes to learn and impact growth opportunities to those who are within her circle of influence.

Her work experience has allowed Babalwa an insight with respect to structure and functioning of ecosystems, as well as integrated environmental management and its associated tools such as environmental impact assessment. Having also acquired skills in environmental legislation interpretation Babalwa has an understanding of legal requirements with respect to various environmental management tools. These tools are a driving force behind all the environmental and sustainability input in the execution of development projects she has been involved in. Babalwa's vision prompted her founding "Meyozo Environmental Management Services (Pty) Ltd".

Babalwa is experienced in a wide range of environmental services, cutting across various sectors. She has exposure to application of integrated environmental management tools. Application of legislative requirements within the environmental field is her key strength and comprehensive report writing skills. Her work experience has allowed her an insight with respect to sector specific sustainable development requirements ranging from authorisation's, implementation and monitoring. She has been involved in undertaking public consultation for a series of industrial and mining projects amongst

others. She has also worked for a prominent mining company where her role involved overseeing the firms compliance with its environmental obligations. Babalwa partners with large blue-chip companies as well as smaller companies requiring her expertise and they collaboratively design strategies and methodologies for sustainable development for the successful execution of the projects at hand. Babalwa has invested in personal growth and development and also did the same within the in environmental management field and has acquired numerous certificates. She has managed several environmental projects ranging from mining developments and industrial projects as well as sustainability reports.

She has developed a sustainability report for a Platinum Mine and focused on the environmental aspect of this reporting. She also was involved, together with the Department of Environmental Affairs task team for the development of the fourth national country report in the implementation of the United Nation Convention to Combat Desertification. This task entailed planning and facilitating clustered provincial workshops as well as a feedback session in the form of a national workshop. This process sharpened her skills in data collation through engagement of various stakeholders and synthesis of the collected data to produce a structured report that addressed various themes as prescribed by the convention in question.

Babalwa is competent at facilitating result driven meetings, capturing workshop outcomes and highlighting the issues that further need to be investigated to determine the impacts. She has been involved in handling various conflicting situations in the consultation and participatory processes.

She has been engaged in the implementation of the environmental legislation since the environmental conservation Act and its regulations of 1992. She grew with the legislation and saw the development of National Environmental Management Act (No 107 of 1998) and was part of the consultative workshops that were held to get this act into action.

She witnessed the fragmentation that is available in environmental legislation through her implementation of this legislation during her role as a consultant since 1999, Babalwa thus wrote and presented papers on the plethora of environmental legislation and existing fragmentation. She developed management plans for a health care risk waste transfer stations according to the requirements of National Environment: Waste Act of 2008.

Babalwa has undertaken training for various stakeholders who hold a role of executing environmental responsibilities and need to comply with conditions of approval for their authorisation. She is able to develop training materials and deliver training to different employee categories from senior managers to floor supervisors. Her experience in project management commenced in 1995, when she was managing project outputs for both her Honours and Masters degrees which she obtained with distinction and received an Award for advancement of Science in South Africa.

KEY TEAM LEADER'S PROFILES

Shivanda Sibiye

BUSINESS DEVELOPMENT MANAGER



Qualifications: Bachelor of Accounting Science (3rd year - one course to completion)

Sicelo has a financial management background. He is the business development manager at Myezo. Sicelo has business acumen and has previously served the construction industry, where he was also responsible for land acquisitions and thus engagement of key business and stakeholder's role players in the community and industry. Sicelo is responsible for identifying and overseeing of new and continuing business for Myezo.

As part of his role as a business development manager, he is also responsible for stakeholder relations. He supports in the public involvement section of projects that are being undertaken. He contributes in determining key role players in all projects and defines the stakeholder profiles, as well as their geographic distributions. He ensures that all stakeholder registers are kept up to date and effective communication tools are implemented in engaging with stakeholders. In this regard, he plans and facilitates meetings and design workshop or meeting outcomes and ensure proper and timely distribution to stakeholders. The stakeholder issues are then analysed further for determination of impacts and management measures.

He has charisma that ensures that he is able to respectfully engage with diverse potential business clients and stakeholder grouping at all levels. His authentic personality and communication skills ensures that relationships are maintained for the effective betterment of projects. He is also responsible for asset management and health and safety responsibilities at Myezo.



Chesana M. Mthembu

CHIEF OPERATIONS OFFICER



Qualifications: Bachelor of Environmental Sciences
Caspa has a Bachelor of Environmental Science Degree and certificates in implementing Environmental Management Systems (ISO 14001) and Environmental Management (Regulatory framework for environmental management). Caspa joined Myezo as Chief Operations Officer in 2015.

He has previously acted in the role of Duty Operations Manager for a well-known Leisure and Entertainment organisation. Caspa has diverse experience in the environmental management field, with over nine years in environmental management.

His experience in the industry includes the development and implementation of environmental management systems in the gaming and tourism industries. He also has experience in the environmental compliance in the construction field, where he served as a consulting Environmental Officer for construction projects, for government parastatals and Energy organisations.

Caspa's role at Myezo is to assist the company in managing operational requirements of the business by ensuring that operational controls are in place and operating to industry standards. Caspa is also responsible for the environmental management systems at Myezo. His responsibility includes ensuring that the company, through its services is compliant to environmental requirements and aligning the system to ISO 14001 certification. He places a role in determining key role players in all projects and defines the stakeholder profiles as well as their geographic distributions. Caspa is also responsible for the identification of new niche markets in environmental management to add to Myezo's diverse services offered in the company. Caspa is an environmentalist at heart and is passionate about environmental management and contributing to sustainable practices.

SOCIO-ECONOMIC CONTRIBUTIONS & MENTORING



SKILLS TRANSFER, MENTORING, PROVIDING OPPORTUNITY

Every project that Myezo receives is seen as a platform to provide an opportunity to transfer skills to unemployed graduates or those that seek experiential training. This is a contribution to a situation that is currently facing our country. Include amongst others: Skills our future stars and leaders have acquired.

- Implementation of environmental impact assessment
- Project management skills
- Report writing skills
- Colleague liaison skills
- Communication skills
- Presentation and facilitation skills
- Stakeholder and regulatory involvement
- Budget control and monitoring skills
- Environmental legislation interpretation and application
- Data collection (Site visits and investigations)
- Data analysis (analysis of collected data and mapping)
- Report writing and presentation of finding
- General character traits that are critical for development in the professional field we operate in such as those related to taking initiative, punctuality, decision making and reliability.

The unemployed youth, Myezo has coached, have shown their appreciation and all of them are now, either employed at Myezo or absorbed in different industries. They are now actively participating in the economy of this country.



Myezo believes in the Transferring of skills through mentoring of previously disadvantaged unemployed youth and graduates in environmental management by allocating resources for coaching in practical assignments and other key relevant aspects of environmental management.

As part of mentoring, Myezo partnered with Cape Peninsula University of Technology to provide students with six months experiential training programme. This is a structured programme, and Myezo provides the support to students to assist them in obtaining their qualification in the form of mentoring and coaching.

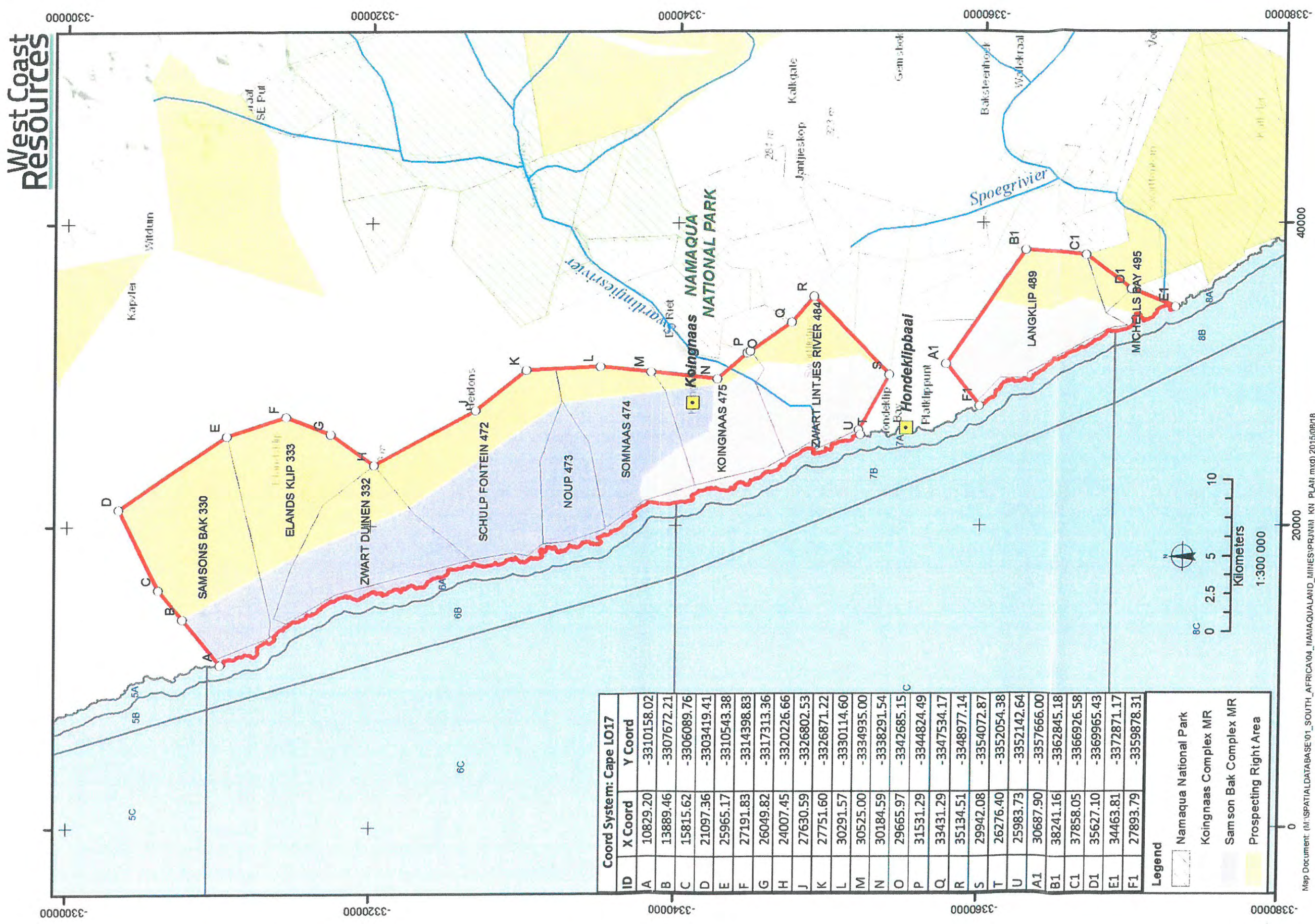
The internship is focused on stimulating the students, to facilitate the:

- ability to reason and be self-aware.
- enhancement of objective analysis of situations,
- application of insights to the interns to unlock the individual's own potential to maximise their performance.
- Ability to achieve their career goals and outcomes



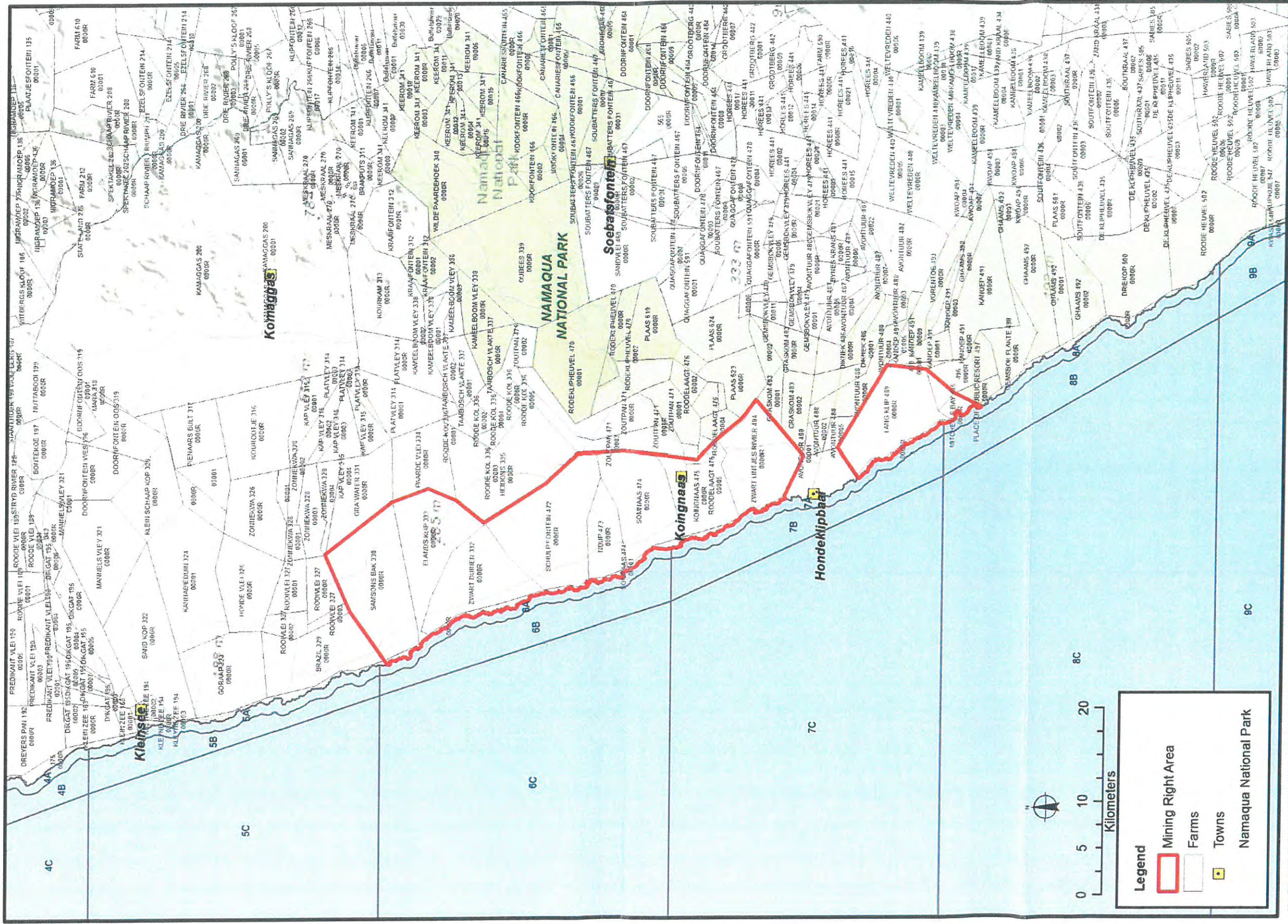
Figure d-16: Potential mine blocks (coffer dam location) for the KN_F7_Ext (6869-Channel Extension) - Beach zone on Koingnaas

Appendix 3 - Figure 1



Appendix 3 - Figure 2

West Coast Resources

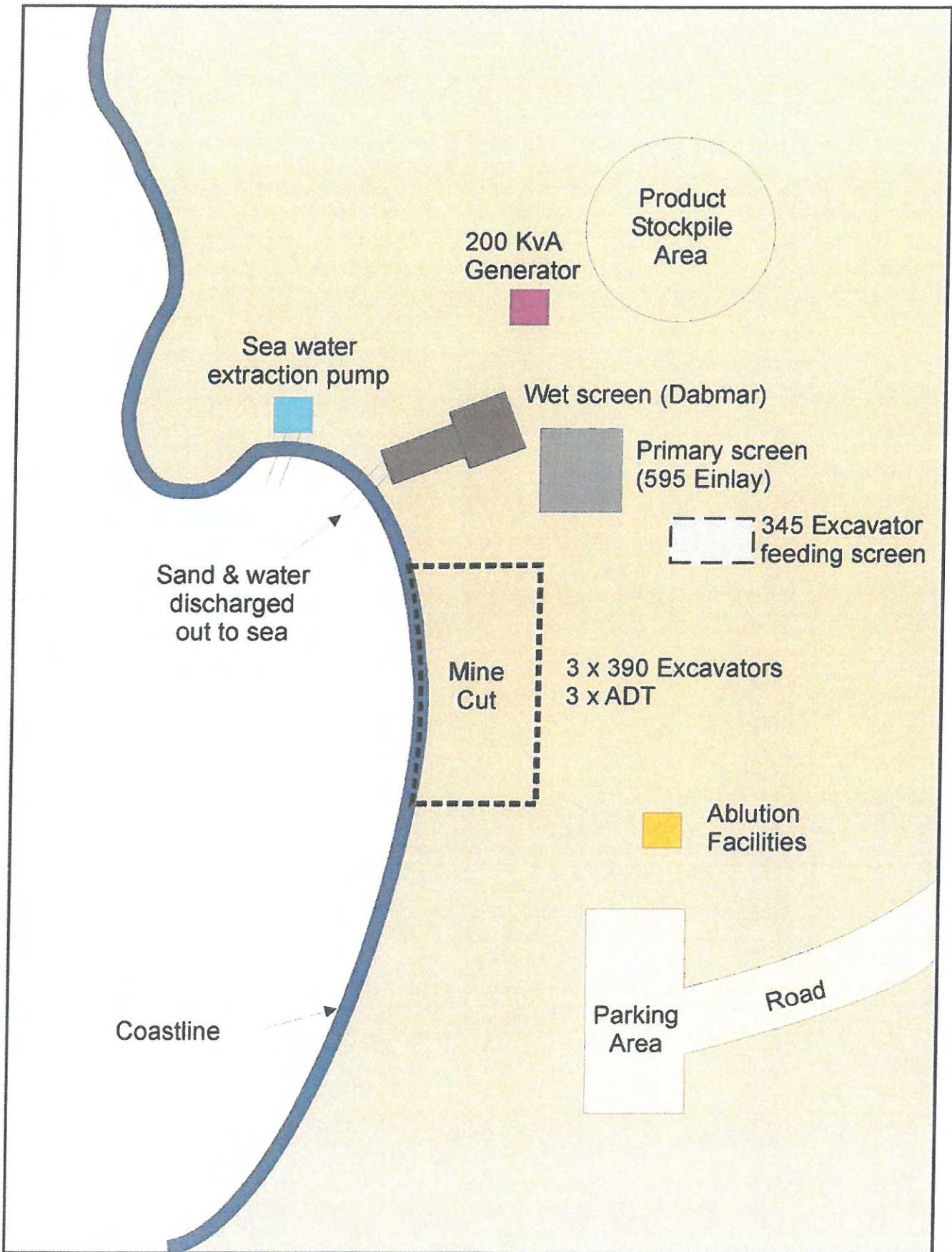


Map Document (M:\SPATIALDATABASE01_SOUTH_AFRICA\04_NAMAQUALAND_MINES\PRJ\NM_KL_LOCALITY.mxd) 2015/02/25

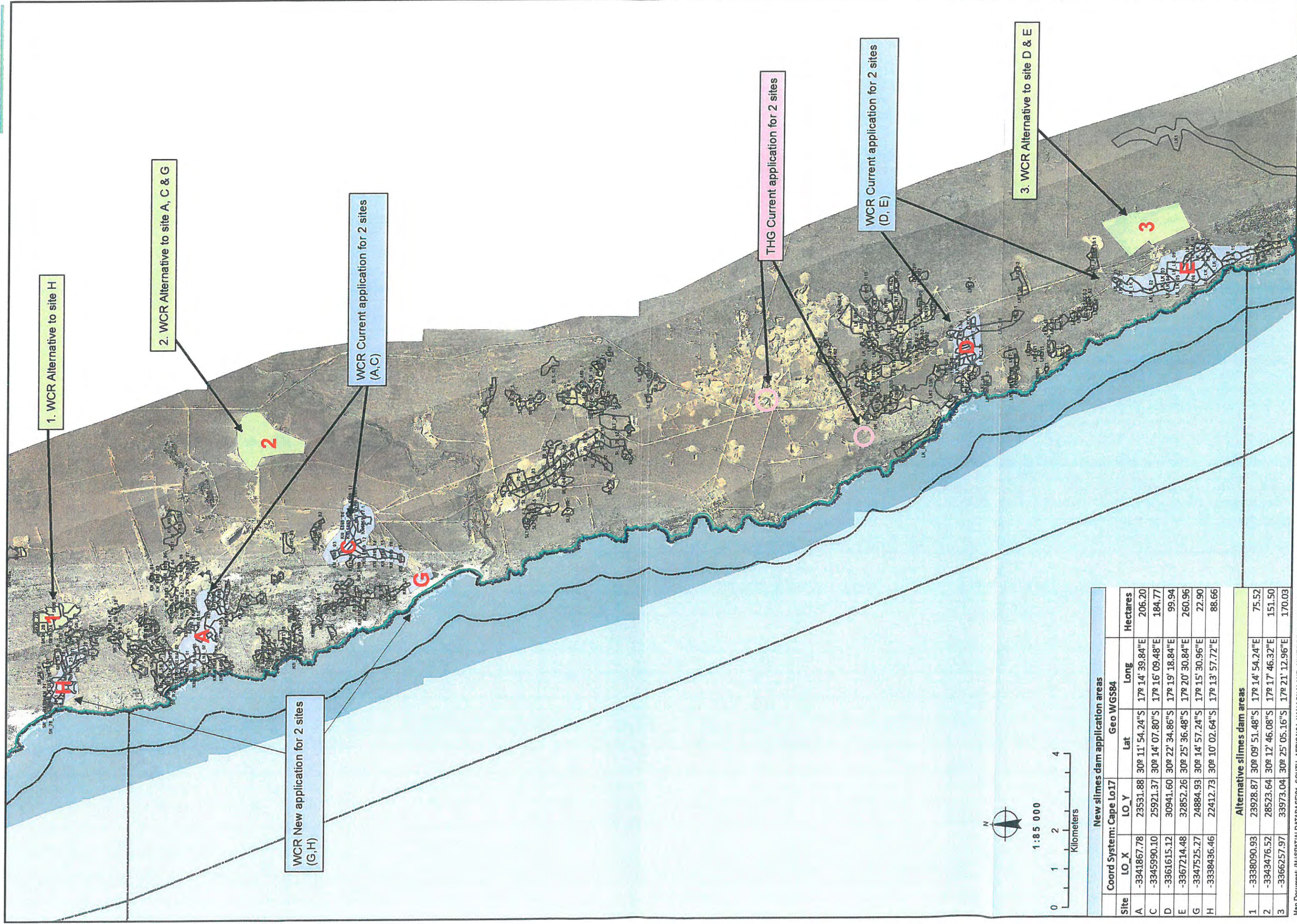
Appendix 4.1: Layout of mobile wet screening plant.

Appendix 4: surface infrastructure layout plan (Drawing 001)

Appendix 4.1: Layout of mobile wet screening plant



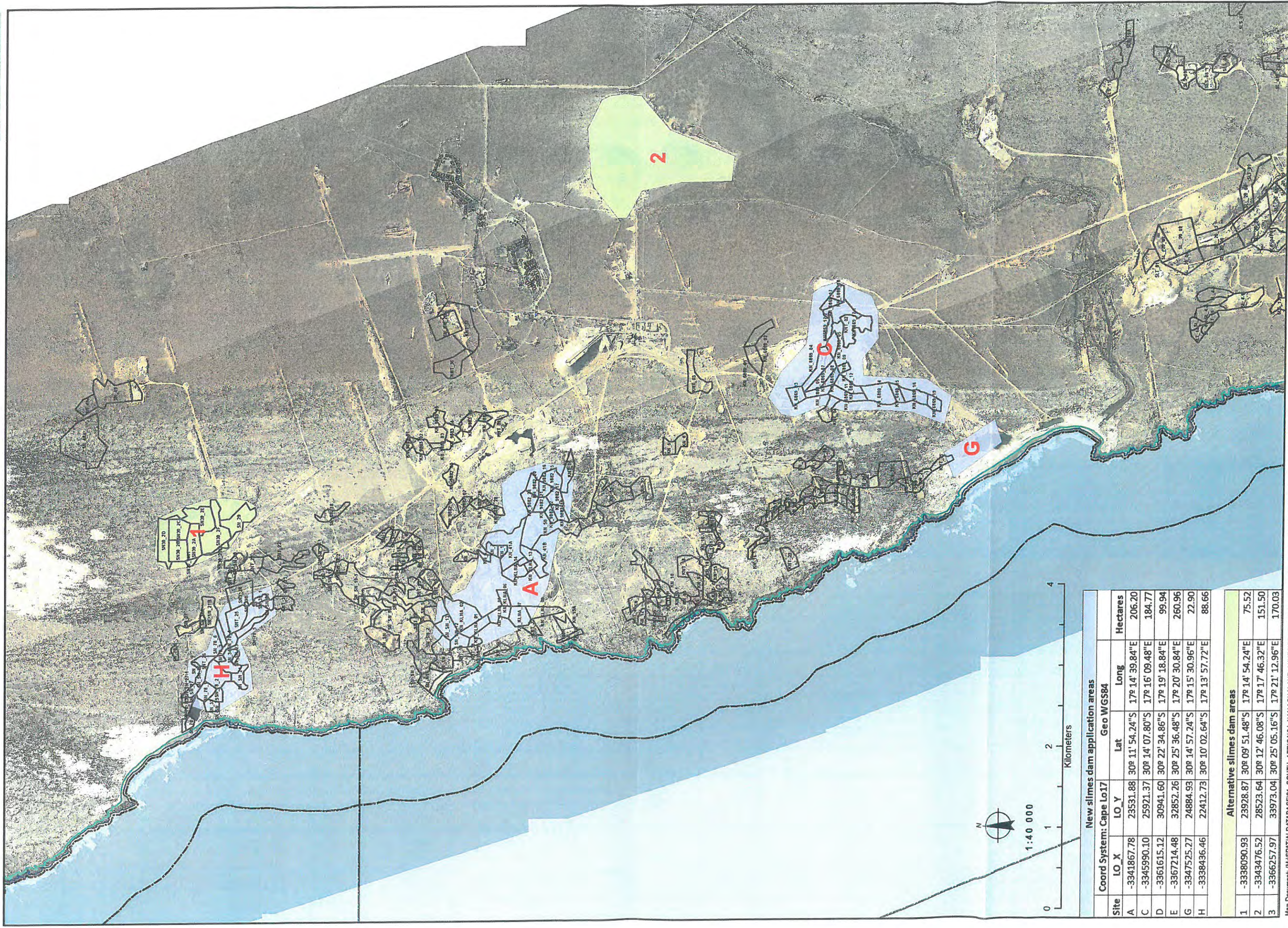
Appendix 4.2: Existing and proposed slimes dam location sites.



New slimes dam application areas					
Site	Coord System: Cape Lo17		Geo WGS84		
	LO_X	LO_Y	Lat	Long	Hectares
A	-3341867.78	23531.88	30° 11' 54.24"S	17° 14' 39.84"E	206.20
C	-3345990.10	25921.37	30° 14' 07.80"S	17° 16' 09.48"E	184.77
D	-3361615.12	30941.60	30° 22' 34.86"S	17° 19' 18.84"E	99.94
E	-3367214.48	32852.26	30° 25' 36.48"S	17° 20' 30.84"E	260.96
G	-3347525.27	24884.93	30° 14' 57.24"S	17° 15' 30.96"E	22.90
H	-3338436.46	22412.73	30° 10' 02.64"S	17° 13' 57.72"E	88.66

Alternative slimes dam areas					
1	-3338090.93	23928.87	30° 09' 51.48"S	17° 14' 54.24"E	75.52
2	-3343476.52	28523.64	30° 12' 46.08"S	17° 17' 46.32"E	151.50
3	-3366257.97	33973.04	30° 25' 05.16"S	17° 21' 12.96"E	170.03

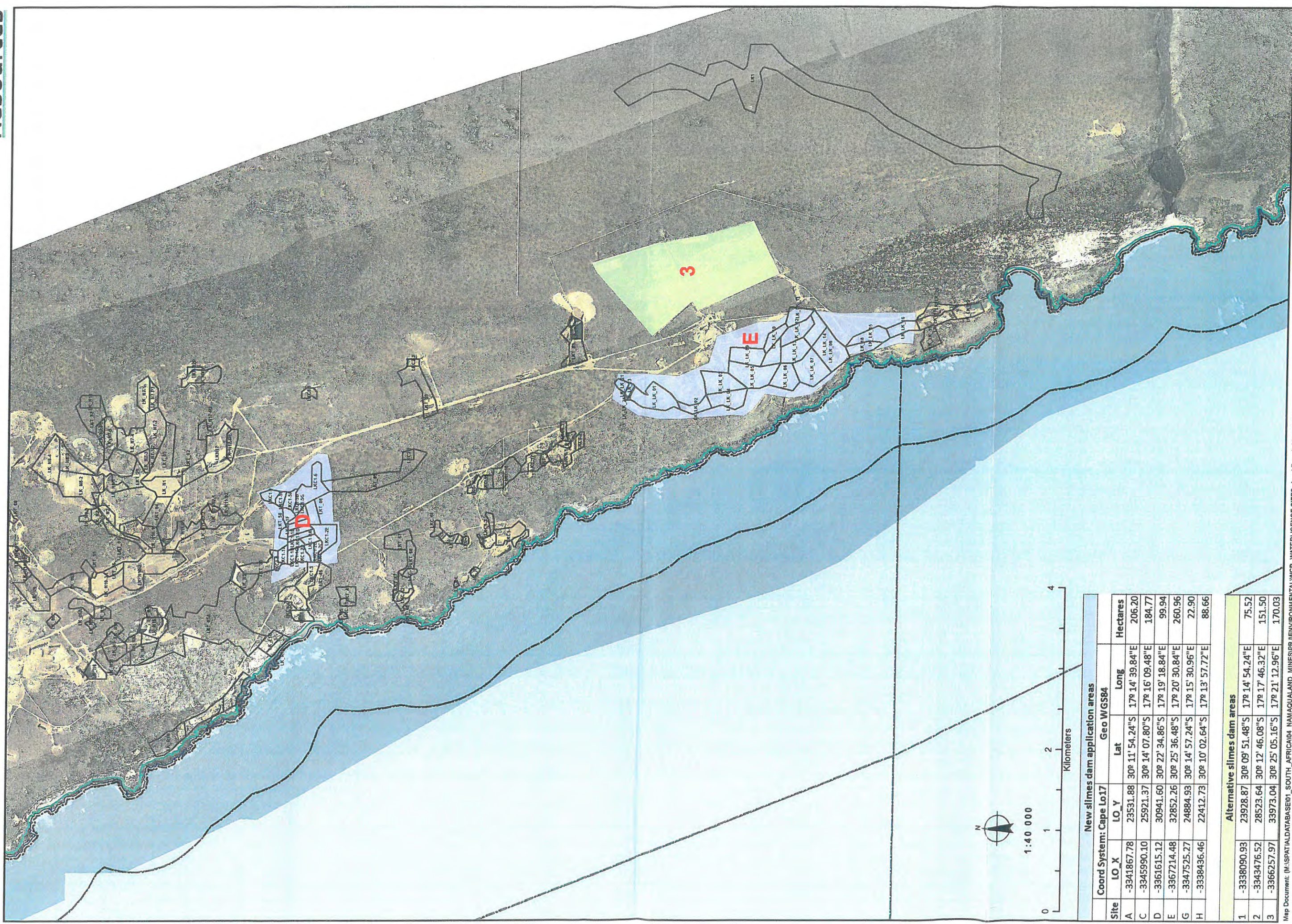
Appendix 4.2.1: Existing and proposed slimes dams location sites (North)



New slimes dam application areas					
Coord System: Cape Lo17		Geo WGS84			
Site	LO_X	LO_Y	Lat	Long	Hectares
A	-3341867.78	23531.88	30° 11' 54.24"S	17° 14' 39.84"E	206.20
C	-3345990.10	25921.37	30° 14' 07.80"S	17° 16' 09.48"E	184.77
D	-3361615.12	30941.60	30° 22' 34.86"S	17° 19' 18.84"E	99.94
E	-3367214.48	32852.26	30° 25' 36.48"S	17° 20' 30.84"E	260.96
G	-3347525.27	24884.93	30° 14' 57.24"S	17° 15' 30.96"E	22.90
H	-3338436.46	22412.73	30° 10' 02.64"S	17° 13' 57.72"E	88.66
Alternative slimes dam areas					
1	-3338090.93	23928.87	30° 09' 51.48"S	17° 14' 54.24"E	75.52
2	-3343476.52	28523.64	30° 12' 46.08"S	17° 17' 46.32"E	151.50
3	-3366257.97	33973.04	30° 25' 05.16"S	17° 21' 12.96"E	170.03

Appendix 4.2.1: Existing and proposed slimes dam location sites (North).

Appendix 4.2.2: Existing and proposed slimes dam location sites (South).



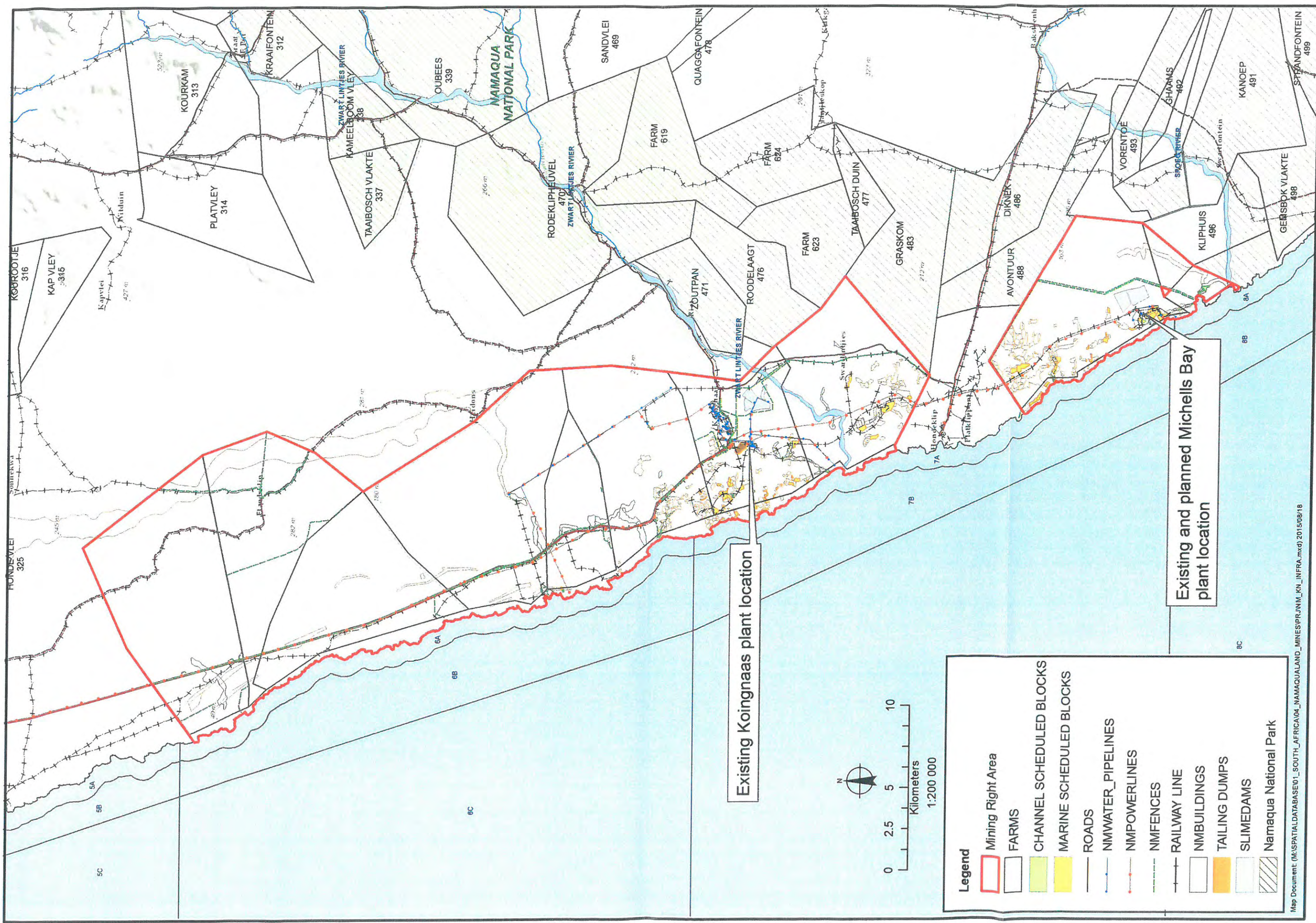
New slimes dam application areas					
Site	Coord System: Cape Lo17			Geo WGS84	
	LO_X	LO_Y	Lat	Long	Hectares
A	-3341867.78	23531.88	30° 11' 54.24"S	17° 14' 39.84"E	206.20
C	-3345990.10	25921.37	30° 14' 07.80"S	17° 16' 09.48"E	184.77
D	-3361615.12	30941.60	30° 22' 34.86"S	17° 19' 18.84"E	99.94
E	-3367214.48	32852.26	30° 25' 36.48"S	17° 20' 30.84"E	260.96
G	-3347525.27	24884.93	30° 14' 57.24"S	17° 15' 30.96"E	22.90
H	-3338436.46	22412.73	30° 10' 02.64"S	17° 13' 57.72"E	88.66

Alternative slimes dam areas					
1	-3338090.93	23928.87	30° 09' 51.48"S	17° 14' 54.24"E	75.52
2	-3343476.52	28523.64	30° 12' 46.08"S	17° 17' 46.32"E	151.50
3	-3366257.97	33973.04	30° 25' 05.16"S	17° 21' 12.96"E	170.03

Map Document: (M:\SPATIAL\DATABASE01_SOUTH_AFRICA\04_NAMAQUALAND_MINES\PR\ENVIRONMENTAL\WCR_WATERLICENSE SITES_App4.7.mxd) 2018/03/01

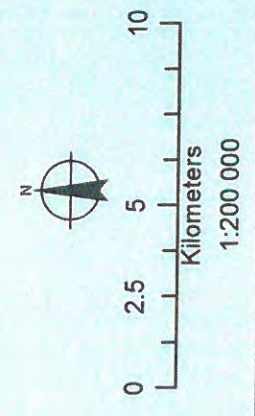
Appendix 4.3: Existing and planned infrastructure network.

Appendix 4.3: Existing and planned infrastructure network



Legend

- Mining Right Area
- FARMS
- CHANNEL SCHEDULED BLOCKS
- MARINE SCHEDULED BLOCKS
- ROADS
- NMWATER_PIPELINES
- NMPOWERLINES
- NMFENCES
- RAILWAY LINE
- NMBUILDINGS
- TAILING DUMPS
- SLIMEDAMS
- Namaqua National Park



Existing Koingnaas plant location

Existing and planned Michells Bay plant location

Appendix 4.3.1: Schematic electrical network for the Kleinzee - Koingnaas area.

Appendix 4.3.1: Schematic electrical network for the Kleinzee - Koingnaas area

