



# Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA  
REPUBLIEK VAN SUID AFRIKA

Vol. 627

22 September 2017  
September

No. 41132

**PART 1 OF 3**

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ISSN 1682-5843



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**COMMENCEMENT: 1 APRIL 2016**

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Ordinary National, Provincial	2/4 - Half Page	500.00
Ordinary National, Provincial	3/4 - Three Quarter Page	750.00
Ordinary National, Provincial	4/4 - Full Page	1000.00

### EXTRA-ORDINARY

All Extra-ordinary National and Provincial gazette notices are non-standard notices and attract a variable price based on the number of pages submitted.

The pricing structure for National and Provincial notices which are submitted as **Extra ordinary submissions** will be charged at **R3000** per page.

### GOVERNMENT PRINTING WORKS - BUSINESS RULES

The **Government Printing Works (GPW)** has established rules for submitting notices in line with its electronic notice processing system, which requires the use of electronic *Adobe Forms*. Please ensure that you adhere to these guidelines when completing and submitting your notice submission.

#### CLOSING TIMES FOR ACCEPTANCE OF NOTICES

1. The *Government Gazette* and *Government Tender Bulletin* are weekly publications that are published on Fridays and the closing time for the acceptance of notices is strictly applied according to the scheduled time for each gazette.
2. Please refer to the Submission Notice Deadline schedule in the table below. This schedule is also published online on the Government Printing works website [www.gpwonline.co.za](http://www.gpwonline.co.za)

All re-submissions will be subject to the standard cut-off times.

**All notices received after the closing time will be rejected.**

Government Gazette Type	Publication Frequency	Publication Date	Submission Deadline	Cancellations Deadline
National Gazette	Weekly	Friday	Friday 15h00 for next Friday	Tuesday, 15h00 - 3 days prior to publication
Regulation Gazette	Weekly	Friday	Friday 15h00, to be published the following Friday	Tuesday, 15h00 - 3 days prior to publication
Petrol Price Gazette	As required	First Wednesday of the month	One week before publication	3 days prior to publication
Road Carrier Permits	Weekly	Friday	Thursday 15h00, to be published the following Friday	3 days prior to publication
Unclaimed Monies (justice, labour or lawyers)	January / As required 2 per year	Any	15 January / As required	3 days prior to publication
Parliament (acts, white paper, green paper)	As required	Any		3 days prior to publication
Manuals	As required	Any	None	None
State of Budget (National Treasury)	Monthly	Any	7 days prior to publication	3 days prior to publication
Legal Gazettes A, B and C	Weekly	Friday	One week before publication	Tuesday, 15h00 - 3 days prior to publication
Tender Bulletin	Weekly	Friday	Friday 15h00 for next Friday	Tuesday, 15h00 - 3 days prior to publication
Gauteng	Weekly	Wednesday	Two weeks before publication	3 days after submission deadline
Eastern Cape	Weekly	Monday	One week before publication	3 days prior to publication
Northern Cape	Weekly	Monday	One week before publication	3 days prior to publication
North West	Weekly	Tuesday	One week before publication	3 days prior to publication
KwaZulu-Natal	Weekly	Thursday	One week before publication	3 days prior to publication
Limpopo	Weekly	Friday	One week before publication	3 days prior to publication
Mpumalanga	Weekly	Friday	One week before publication	3 days prior to publication
Gauteng Liquor License Gazette	Monthly	Wednesday before the First Friday of the month	Two weeks before publication	3 days after submission deadline
Northern Cape Liquor License Gazette	Monthly	First Friday of the month	Two weeks before publication	3 days after submission deadline
National Liquor License Gazette	Monthly	First Friday of the month	Two weeks before publication	3 days after submission deadline
Mpumalanga Liquor License Gazette	2 per month	Second & Fourth Friday	One week before	3 days prior to publication

## GOVERNMENT PRINTING WORKS - BUSINESS RULES

### EXTRAORDINARY GAZETTES

3. *Extraordinary Gazettes* can have only one publication date. If multiple publications of an *Extraordinary Gazette* are required, a separate Z95/Z95Prov *Adobe* Forms for each publication date must be submitted.

### NOTICE SUBMISSION PROCESS

4. Download the latest *Adobe* form, for the relevant notice to be placed, from the **Government Printing Works** website [www.gpwonline.co.za](http://www.gpwonline.co.za).
5. The *Adobe* form needs to be completed electronically using *Adobe Acrobat / Acrobat Reader*. Only electronically completed *Adobe* forms will be accepted. No printed, handwritten and/or scanned *Adobe* forms will be accepted.
6. The completed electronic *Adobe* form has to be submitted via email to [submit.egazette@gpw.gov.za](mailto:submit.egazette@gpw.gov.za). The form needs to be submitted in its original electronic *Adobe* format to enable the system to extract the completed information from the form for placement in the publication.
7. Every notice submitted **must** be accompanied by an official **GPW** quotation. This must be obtained from the *eGazette* Contact Centre.
8. Each notice submission should be sent as a single email. The email **must** contain **all documentation relating to a particular notice submission**.
  - 8.1. Each of the following documents must be attached to the email as a separate attachment:
    - 8.1.1. An electronically completed *Adobe* form, specific to the type of notice that is to be placed.
      - 8.1.1.1. For *National Government Gazette* or *Provincial Gazette* notices, the notices must be accompanied by an electronic Z95 or Z95Prov *Adobe* form
      - 8.1.1.2. The notice content (body copy) **MUST** be a separate attachment.
    - 8.1.2. A copy of the official **Government Printing Works** quotation you received for your notice .  
(Please see *Quotation* section below for further details)
    - 8.1.3. A valid and legible Proof of Payment / Purchase Order: **Government Printing Works** account customer must include a copy of their Purchase Order. **Non-Government Printing Works** account customer needs to submit the proof of payment for the notice
    - 8.1.4. Where separate notice content is applicable (Z95, Z95 Prov and TForm 3, it should **also** be attached as a separate attachment. (Please see the *Copy Section* below, for the specifications).
    - 8.1.5. Any additional notice information if applicable.
9. The electronic *Adobe* form will be taken as the primary source for the notice information to be published. Instructions that are on the email body or covering letter that contradicts the notice form content will not be considered. The information submitted on the electronic *Adobe* form will be published as-is.
10. To avoid duplicated publication of the same notice and double billing, Please submit your notice **ONLY ONCE**.
11. Notices brought to **GPW** by "walk-in" customers on electronic media can only be submitted in *Adobe* electronic form format. All "walk-in" customers with notices that are not on electronic *Adobe* forms will be routed to the Contact Centre where they will be assisted to complete the forms in the required format.
12. Should a customer submit a bulk submission of hard copy notices delivered by a messenger on behalf of any organisation e.g. newspaper publisher, the messenger will be referred back to the sender as the submission does not adhere to the submission rules.



**GOVERNMENT PRINTING WORKS - BUSINESS RULES****QUOTATIONS**

13. Quotations are valid until the next tariff change.
  - 13.1. **Take note:** GPW's annual tariff increase takes place on **1 April** therefore any quotations issued, accepted and submitted for publication up to **31 March** will keep the old tariff. For notices to be published from 1 April, a quotation must be obtained from **GPW** with the new tariffs. Where a tariff increase is implemented during the year, **GPW** endeavours to provide customers with 30 days' notice of such changes.
14. Each quotation has a unique number.
15. Form Content notices must be emailed to the eGazette Contact Centre for a quotation.
  - 15.1. The *Adobe* form supplied is uploaded by the Contact Centre Agent and the system automatically calculates the cost of your notice based on the layout/format of the content supplied.
  - 15.2. It is critical that these *Adobe* Forms are completed correctly and adhere to the guidelines as stipulated by **GPW**.
16. **APPLICABLE ONLY TO GPW ACCOUNT HOLDERS:**
  - 16.1. **GPW** Account Customers must provide a valid **GPW** account number to obtain a quotation.
  - 16.2. Accounts for **GPW** account customers **must** be active with sufficient credit to transact with **GPW** to submit notices.
    - 16.2.1. If you are unsure about or need to resolve the status of your account, please contact the **GPW** Finance Department prior to submitting your notices. (If the account status is not resolved prior to submission of your notice, the notice will be failed during the process).
17. **APPLICABLE ONLY TO CASH CUSTOMERS:**
  - 17.1. Cash customers doing **bulk payments** must use a **single email address** in order to use the **same proof of payment** for submitting multiple notices.
18. The responsibility lies with you, the customer, to ensure that the payment made for your notice(s) to be published is sufficient to cover the cost of the notice(s).
19. Each quotation will be associated with one proof of payment / purchase order / cash receipt.
  - 19.1. This means that **the quotation number can only be used once to make a payment.**

**GOVERNMENT PRINTING WORKS - BUSINESS RULES****COPY (SEPARATE NOTICE CONTENT DOCUMENT)**

20. Where the copy is part of a separate attachment document for Z95, Z95Prov and TForm03

20.1. Copy of notices must be supplied in a separate document and may not constitute part of any covering letter, purchase order, proof of payment or other attached documents.

The content document should contain only one notice. (You may include the different translations of the same notice in the same document).

20.2. The notice should be set on an A4 page, with margins and fonts set as follows:

Page size = A4 Portrait with page margins: Top = 40mm, LH/RH = 16mm, Bottom = 40mm;  
Use font size: Arial or Helvetica 10pt with 11pt line spacing;

Page size = A4 Landscape with page margins: Top = 16mm, LH/RH = 40mm, Bottom = 16mm;  
Use font size: Arial or Helvetica 10pt with 11pt line spacing;

**CANCELLATIONS**

21. Cancellation of notice submissions are accepted by **GPW** according to the deadlines stated in the table above in point 2. Non-compliance to these deadlines will result in your request being failed. Please pay special attention to the different deadlines for each gazette. Please note that any notices cancelled after the cancellation deadline will be published and charged at full cost.

22. Requests for cancellation must be sent by the original sender of the notice and must be accompanied by the relevant notice reference number (N-) in the email body.

**AMENDMENTS TO NOTICES**

23. With effect from 01 October 2015, **GPW** will not longer accept amendments to notices. The cancellation process will need to be followed according to the deadline and a new notice submitted thereafter for the next available publication date.

**REJECTIONS**

24. All notices not meeting the submission rules will be rejected to the customer to be corrected and resubmitted. Assistance will be available through the Contact Centre should help be required when completing the forms. (012-748 6200 or email [info.egazette@gpw.gov.za](mailto:info.egazette@gpw.gov.za)). Reasons for rejections include the following:

24.1. Incorrectly completed forms and notices submitted in the wrong format, will be rejected.

24.2. Any notice submissions not on the correct *Adobe* electronic form, will be rejected.

24.3. Any notice submissions not accompanied by the proof of payment / purchase order will be rejected and the notice will not be processed.

24.4. Any submissions or re-submissions that miss the submission cut-off times will be rejected to the customer. The Notice needs to be re-submitted with a new publication date.

**GOVERNMENT PRINTING WORKS - BUSINESS RULES****APPROVAL OF NOTICES**

25. Any notices other than legal notices are subject to the approval of the Government Printer, who may refuse acceptance or further publication of any notice.
26. No amendments will be accepted in respect to separate notice content that was sent with a Z95 or Z95Prov notice submissions. The copy of notice in layout format (previously known as proof-out) is only provided where requested, for Advertiser to see the notice in final Gazette layout. Should they find that the information submitted was incorrect, they should request for a notice cancellation and resubmit the corrected notice, subject to standard submission deadlines. The cancellation is also subject to the stages in the publishing process, i.e. If cancellation is received when production (printing process) has commenced, then the notice cannot be cancelled.

**GOVERNMENT PRINTER INDEMNIFIED AGAINST LIABILITY**

27. The Government Printer will assume no liability in respect of—
  - 27.1. any delay in the publication of a notice or publication of such notice on any date other than that stipulated by the advertiser;
  - 27.2. erroneous classification of a notice, or the placement of such notice in any section or under any heading other than the section or heading stipulated by the advertiser;
  - 27.3. any editing, revision, omission, typographical errors or errors resulting from faint or indistinct copy.

**LIABILITY OF ADVERTISER**

28. Advertisers will be held liable for any compensation and costs arising from any action which may be instituted against the Government Printer in consequence of the publication of any notice.

**CUSTOMER INQUIRIES**

Many of our customers request immediate feedback/confirmation of notice placement in the gazette from our Contact Centre once they have submitted their notice – While **GPW** deems it one of their highest priorities and responsibilities to provide customers with this requested feedback and the best service at all times, we are only able to do so once we have started processing your notice submission.

**GPW** has a 2-working day turnaround time for processing notices received according to the business rules and deadline submissions.

Please keep this in mind when making inquiries about your notice submission at the Contact Centre.

29. Requests for information, quotations and inquiries must be sent to the Contact Centre ONLY.
30. Requests for Quotations (RFQs) should be received by the Contact Centre at least **2 working days** before the submission deadline for that specific publication.

## GOVERNMENT PRINTING WORKS - BUSINESS RULES

### PAYMENT OF COST

31. The Request for Quotation for placement of the notice should be sent to the Gazette Contact Centre as indicated above, prior to submission of notice for advertising.
32. Payment should then be made, or Purchase Order prepared based on the received quotation, prior to the submission of the notice for advertising as these documents i.e. proof of payment or Purchase order will be required as part of the notice submission, as indicated earlier.
33. Every proof of payment must have a valid **GPW** quotation number as a reference on the proof of payment document.
34. Where there is any doubt about the cost of publication of a notice, and in the case of copy, an enquiry, accompanied by the relevant copy, should be addressed to the Gazette Contact Centre, **Government Printing Works**, Private Bag X85, Pretoria, 0001 email: [info.egazette@gpw.gov.za](mailto:info.egazette@gpw.gov.za) before publication.
35. Overpayment resulting from miscalculation on the part of the advertiser of the cost of publication of a notice will not be refunded, unless the advertiser furnishes adequate reasons why such miscalculation occurred. In the event of underpayments, the difference will be recovered from the advertiser, and future notice(s) will not be published until such time as the full cost of such publication has been duly paid in cash or electronic funds transfer into the **Government Printing Works** banking account.
36. In the event of a notice being cancelled, a refund will be made only if no cost regarding the placing of the notice has been incurred by the **Government Printing Works**.
37. The **Government Printing Works** reserves the right to levy an additional charge in cases where notices, the cost of which has been calculated in accordance with the List of Fixed Tariff Rates, are subsequently found to be excessively lengthy or to contain overmuch or complicated tabulation.

### PROOF OF PUBLICATION

38. Copies of any of the *Government Gazette* or *Provincial Gazette* can be downloaded from the **Government Printing Works** website [www.gpwonline.co.za](http://www.gpwonline.co.za) free of charge, should a proof of publication be required.
39. Printed copies may be ordered from the Publications department at the ruling price. The **Government Printing Works** will assume no liability for any failure to post or for any delay in despatching of such *Government Gazette(s)*.

## GOVERNMENT PRINTING WORKS CONTACT INFORMATION

#### Physical Address:

**Government Printing Works**

149 Bosman Street

Pretoria

#### Postal Address:

Private Bag X85

Pretoria

0001

#### GPW Banking Details:

**Bank:** ABSA Bosman Street

**Account No.:** 405 7114 016

**Branch Code:** 632-005

**For Gazette and Notice submissions:** Gazette Submissions:

**For queries and quotations, contact:** Gazette Contact Centre:

**E-mail:** [submit.egazette@gpw.gov.za](mailto:submit.egazette@gpw.gov.za)

**E-mail:** [info.egazette@gpw.gov.za](mailto:info.egazette@gpw.gov.za)

**Tel:** 012-748 6200

**Contact person for subscribers:** Mrs M. Toka:

**E-mail:** [subscriptions@gpw.gov.za](mailto:subscriptions@gpw.gov.za)

**Tel:** 012-748-6066 / 6060 / 6058

**Fax:** 012-323-9574

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**GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS**

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**DEPARTMENT OF ARTS AND CULTURE****NO. 1010****22 SEPTEMBER 2017****BUREAU OF HERALDRY****NOTICE OF AMENDMENT UNDER THE HERALDRY ACT (ACT 18 OF 1962)**

The Bureau of Heraldry hereby gives notice of the correction of the particulars of the following person's surname, who has applied under the Heraldry Act (Act 18 of 1962) for the registration of his heraldic representation:

APPLICANT: Borja Vilallonga I Garcia (H4/3/4/1026)

In Government Notice No 434 of 19 May 2017 the surname of Borja Vilallonga I Garcia was inadvertently misspelled. It is hereby corrected.

**DEPARTEMENT VAN KUNS EN KULTUUR****NO. 1010****22 SEPTEMBER 2017****BURO VIR HERALDIEK****KENNISGEWING VAN WYSIGING KRAGTENS DIE HERALDIEKWET (WET 18 VAN 1962)**

Die Buro vir Heraldiek gee hierby kennis van die korreksie van die besonderhede van die volgende persoon se van, wat kragtens die Heraldiekwet (wet 18 van 1962) aansoek gedoen het om die registrasie van sy heraldiese voorstelling:

AANSOEKER: Borja Vilallonga I Garcia (H4/3/4/1026)

IN Goewermentskennisgwing No. 434 van 19 Mei 2017 is die van van Borja Vilallonga I Garcia per ongeluk verkeerd gespél. Dit word hiermee reggestel.

## DEPARTMENT OF ECONOMIC DEVELOPMENT

NO. 1011

22 SEPTEMBER 2017



**competition**commission  
*south africa*

**DRAFT CODE OF CONDUCT FOR COMPETITION IN  
THE SOUTH AFRICAN AUTOMOTIVE INDUSTRY**

**CALL FOR SUBMISSIONS**

1. The Competition Commission of South Africa ("Commission") is conducting advocacy work in the automotive aftermarket industry, with the intention to address anti-competitive behaviour within this industry whilst at the same time promoting the industry's transformation to foster inclusive growth.
2. The Commission has been engaging with numerous private and government entities since early 2017 to fully understand the competitive dynamics that exist within the automotive aftermarket industry. During these engagements, the Commission has paid particular attention to the need to transform this industry to encourage increased economic participation - together with a greater spread of ownership - of historically disadvantaged individuals.
3. The Commission has today, 22 September 2017, published a draft Code of Conduct ("Code") for public comment. The Code has sought to address identified concerns relating to the competitive and transformative dynamics that exist within the automotive aftermarket industry and will bind various original equipment manufacturers, government bodies and industry associations who will become signatories to it.

4. The intended outcomes of the Commission's advocacy are as follows:
  - 4.1. For small and historically disadvantaged independent service providers to undertake service and maintenance work whilst a vehicle is in-warranty;
  - 4.2. For more small, HDI independents to undertake in-warranty auto-body repairs;
  - 4.3. For more historically disadvantaged individuals to own OEM dealerships;
  - 4.4. The use of equal matching spare parts, in addition to OEM and Identical parts, in the repair of motor vehicles.
  - 4.5. The removal of OEM restrictions in the sale and distribution of parts, by retailers whether OEM-approved or independent.
  - 4.6. More price and product options for consumers in the sale of parts.
  - 4.7. Consumer education & awareness of costs entailed in the purchase of a motor vehicle.
5. The Commission invites automotive industry participants (especially small and independent repairers and maintenance service providers), consumers and any other interested party to submit their views and comments on the Code.
6. Kindly note that the deadline for the receipt of all submissions is **03 November 2017**.
7. All submissions must be typed or hand-written (preferably in English) and marked for the attention of Mr Mziwodumo Rubushe and delivered to one of the following addresses:

**Email:** [MziwodumoR@compcom.co.za](mailto:MziwodumoR@compcom.co.za)

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**Hand Delivery:** Office of the Commissioner  
Mulayo Building, Block C, Third Floor  
The DTI Campus,  
77 Meintjies Street, Sunnyside, Pretoria, 0002

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**Post:** Private Bag X23, Lynwood Ridge Pretoria

8. Should you require any assistance in making your submission, please do not hesitate to contact the Commission at the contact details provided herein.
9. Kindly note that in the interest of transparency, the Commission will publish all submissions it receives on its website at [www.compcom.co.za](http://www.compcom.co.za). Should your submission



contain any confidential information, as defined in the Competition Act 89 of 1998, as amended, you are able to claim your submission as such, thus precluding the Commission from publishing it. We would however request that you submit a separate copy of your submission redacting all confidential information, which will then be published.

10. The Commission may hold further engagements with stakeholders pertaining to their submissions where necessary. The Commission will consider all submissions it receives in the development of a final Code.
11. The Commission looks forward to receiving your views and opinions in this regard and we thank you for your participation in creating a growing and inclusive economy for all.



***competition*commission**  
***south africa***

**DRAFT CODE OF CONDUCT FOR COMPETITION  
IN THE SOUTH AFRICAN AUTOMOTIVE  
INDUSTRY**

PUBLISHED ON 22 SEPTEMBER 2017

**FOR PUBLIC COMMENT**

**DEADLINE FOR THE RECEIPT OF COMMENTS IS 03 NOVEMBER 2017**

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## 1. PREAMBLE

- 1.1 This is a voluntary Code of Conduct ("Code") aimed at promoting competition in the South African automotive industry. This Code has been drafted by the Competition Commission of South Africa, in consultation with industry stakeholders.
- 1.2 The signatories to this Code are Original Equipment Manufacturers ("OEMs") and other participants in the automotive industry including dealers, repair and maintenance service providers, distributors of spare parts, and insurers of motor vehicles. Various government departments and regulators, who are additional signatories, are in support of this Code.
- 1.3 The signatories commit to the advancement of the following objectives of Competition Act no. 89 of 1998, as amended:
- 1.3.1 To promote the efficiency, adaptability and development of the economy;
  - 1.3.2 To provide consumers with competitive prices and product choices;
  - 1.3.3 To promote employment and advance the social and economic welfare of South Africans;
  - 1.3.4 To expand opportunities for South African participation in world markets and recognise the role of foreign competition in the Republic;
  - 1.3.5 To ensure that small and medium-sized enterprises have an equitable opportunity to participate in the economy; and
  - 1.3.6 To promote a greater spread of ownership, in particular to increase the ownership stakes of historically disadvantaged individuals.

## 2. PURPOSE AND OBJECTIVES OF THE CODE OF CONDUCT

- 2.1. The Code of Conduct is intended to address competition concerns arising from agreements between OEM's and dealers, insurers, and repair and maintenance service providers, which have the effect of substantially lessening or preventing competition and which have created barriers to entry in the automotive industry.
- 2.2. The objectives of the Code are:
- 2.2.1. For independent service providers to undertake in-warranty mechanical (maintenance and service) work;
  - 2.2.2. For more service providers to participate in the OEM networks, particularly firms owned and operated by historically disadvantaged persons;
  - 2.2.3. For an increase in the number of dealerships owned by historically disadvantaged persons;
  - 2.2.4. For increased choice of service providers for consumers for the service, maintenance and repairs of their vehicles;
  - 2.2.5. For increased product choice and competitive prices for consumers for services and spare parts;
  - 2.2.6. For greater consumer awareness of the costs in the sale of a vehicle, including the costs of maintenance and service plans.
- 2.3. The Code seeks to achieve these market changes through inter alia:
- 2.3.1. The removal of restrictions on the provision of maintenance and service work of vehicles whilst under warranty;
  - 2.3.2. The removal of restrictions on the number of independent repairers, dealers and independent parts and other service providers within designated geographic areas;
  - 2.3.3. Promoting the ownership of dealerships by HDI's, by reducing onerous requirements related to the facilities of dealerships; allowing for use of alternative suppliers for marketing and corporate identity-related elements of dealerships;
  - 2.3.4. For dealerships who sell new vehicle and products of competing OEMs to ensure that price-setting is not co-ordinated;
  - 2.3.5. Enabling access to the safety and technical specifications of OEM-parts to enable independent service providers to effect repairs;

- 2.3.6. Enabling access by independent service providers to OEM tools through leasing and renting options;
- 2.3.7. Recognition of "Equal Matching Parts" - which have been approved by SABS- for use or installation in repairs, without losing the OEM warranty;
- 2.3.8. For all Service Providers, whether independent or authorised, to be able to sell or distribute Identical or Equal Matching parts without restrictions;
- 2.3.9. For OEMs to provide product and parts-fitment training to independent service providers, including the processes and mechanisms involved in effecting maintenance and repair work on OEM motor vehicles;
- 2.3.10. For OEMs to separate the costs of a vehicle from the costs of Maintenance & Service Plans, at the point of sale of a vehicle.

### 3. DEFINITIONS

The following definitions apply for the purposes of this Code:

- 3.1. **“Agreement”** includes any contract, arrangement or understanding, whether or not legally enforceable.
- 3.2. **“Approved service providers”** means all firms (including persons, partnerships or trusts) who are currently appointed to a particular OEM's distribution network. This includes, but is not limited to, motor vehicle body repairers such as spray painters or panel beaters; mechanical repairers or firms that effect maintenance services on motor vehicles; distributors of spare parts for motor vehicles; and fitment centres. Approved service providers excludes Dealers, as defined herein.
- 3.3. **“Commercially-sensitive information”** means trade, business or industrial information which has a particular economic value to a firm and its business strategy and is generally not available or known by others.
- 3.4. **“Consumer Protection Act”** means the Consumer Protection Act 68 of 2008.
- 3.5. **“Dealer”** or **“Dealership”** means a business enterprise trading in the sale and resale of new and/or used functioning motor vehicles.
- 3.6. **“Historically disadvantaged Individual”** means:
  - 3.6.1. one of a category of individuals who, before the Constitution of the Republic of South Africa, 1993 (Act No. 200 of 1993), came into operation, were disadvantaged by unfair discrimination on the basis of race;
  - 3.6.2. an association, a majority of whose members are individuals referred to in paragraph (a);
  - 3.6.3. a juristic person other than an association, and individuals referred to in paragraph (a) own and control a majority of its issued share capital or members' interest and are able to control a majority of its votes; or
  - 3.6.4. a juristic person or association, and persons referred to in paragraph (a), (b) or (c) own and control a majority of its issued share capital or members' interest and are able to control a majority of its votes.



- 3.7. **“Independent service providers”** means all firms (including persons, partnerships or trusts) who are not in the appointment of an OEM’s distribution network and who conduct business in compliance with the applicable laws of the Republic of South Africa. This includes, but is not limited to, motor vehicle body repairers such as spray painters or panel beaters; mechanical repairers or firms that effect maintenance services on motor vehicles; distributors of spare parts for motor vehicles; and fitment centres. Independent service providers excludes Dealers, as defined herein.
- 3.8. **“MIOSA”** means the Motor Industry Ombudsman of South Africa, being a non-statutory body established in terms of the Consumer Protection Act 68 of 2008.
- 3.9. **“Motor vehicle”** means any vehicle designed or adapted for propulsion or haulage on a road by means of fuel, gas or electricity or any other means;
- 3.10. **“NRCS”** means the National Regulator for Compulsory Specifications, being a statutory body established in terms of the National Regulator for Compulsory Specifications Act 5 of 2008;
- 3.11. **“OEM”** means Original Equipment Manufacturer as well as any firm over which it has direct or indirect control and includes a distributor, importer, manufacturer or dealer of motor vehicles.
- 3.12. **“OEM network”** refers to Approved Service Providers and/or OEM-authorised or approved Dealers.
- 3.13. **“Policies and Plans”** refers to one or a combination of the following:
- 3.13.1. **“Maintenance Plan”** refers to a financial product, covering the regular maintenance of a motor vehicle on components and parts that are subject to wear and tear. A Maintenance Plan is used at specified pre-determined times or stipulated mileage.
- 3.13.2. **“Service Plan”** refers to a financial product covering the service of a motor vehicle components and parts of a motor vehicle that may need replacing when the motor vehicle is due for a service. The Service Plan does not cover components and parts which need replacing or servicing as a result of normal

wear and tear. A Service Plan is used at specified pre-determined times or stipulated mileage.

3.13.3. **“Warranty”** is an undertaking by the OEM that should certain components or parts of a motor vehicle need replacement or repair due to a manufacturing or factory defect or malfunction, which is not the fault of the driver, the OEM will replace or repair such component or part. The Warranty is only valid within a stipulated timeframe or mileage limit, as determined by the OEM.

3.13.4. **“Extended Warranty”** is an optional and additional warranty that a consumer is able to purchase to extend the application of the Warranty.

3.14. **“Repair work”** refers to all work to the vehicle’s body (such as panel beating and spray painting) and all mechanical repairs to a motor vehicle’s mechanical parts;

3.15. **“SABS”** means the South African Bureau of Standards, being a statutory body established in terms of the Standards Act 24 of 1945, continuing to exist in terms of Section 3 of the Standards Act, No. 8 of 2008;

3.16. **“SANAS”** means the South African National Accreditation System, the body responsible for carrying out accreditations in respect of conformity assessment, as mandated through the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act (Act 19 of 2006).

3.17. **“Service Provider”** includes both independent and approved service providers;

3.18. **“Spare parts”** means products and accessories which are to be installed in or on a motor vehicle, which replace worn or damaged components of that vehicle. Spare parts additionally are to be understood to encompass products such as lubricants that are necessary for the use of a motor vehicle, however excludes fuel that is required to operate the vehicle. There are different categories of Spare Parts and they are each defined as follows:

3.18.1. **“Original spare parts”** are spare parts produced by the OEM or for the OEM under its instruction/order by a manufacturer and in accordance with specifications and production standards provided by the OEM, as well as those

distributed by the OEM/Importer or any other authorised distributors of the OEM/Importer and marked with the trademark of the OEM;

3.18.2. **"Identical spare parts"** are parts produced by the OEM or for the OEM under its instruction/order by a manufacturer, fully equivalent to the specifications and standards of the original spare parts, but not marked with the trademark of the OEM, as well as those spare parts distributed by the OEM/Importer or any other authorised distributors of the OEM;

3.18.3. **"Spare parts of matching quality"** are spare parts that are of the same quality as original or identical parts and which carry legitimate Warranty from its manufacturer, but are not distributed by the OEM/Importer or by the official distributor of the OEM/Importer, and are not marked with the OEM's trademark. Spare parts are deemed to be of matching quality where they have been certified as such by the South African Bureau of Standards or by a testing process through a SANAS-accredited laboratory.

## **4. SALE OF MOTOR VEHICLES**

### **4.1. Dealers Who Sell Competing Vehicles & Products**

4.1.1. Dealers who sell new vehicles and products of competing OEMs shall ensure that they do not engage in price co-ordination. Specifically, the prices of competing vehicles and products shall be determined by different individuals within the Dealership. Persons setting prices for new vehicles and products of competing OEMs shall do so independently.

4.1.2. Dealers who sell new vehicles and products of competing OEMs shall ensure that no commercially-sensitive information is provided or shared with competing OEMs.

### **4.2. Selection of Dealers**

4.2.1. OEMs shall establish fair and transparent processes for the selection of dealers who meet the OEM's respective compliance requirements.

4.2.2. OEMs shall not appoint Dealers exclusively as the sole Dealer within designated geographic areas. Dealers shall be selected based on a realistic evaluation of the market potential for Dealers in a designated geographic area.

4.2.3. OEMs shall give preference to historically disadvantaged persons in appointing dealers to the OEM's network. OEMs shall implement specific measures to give effect to this.

4.2.4. OEMs shall not engage in conduct that will prevent or impede a historically disadvantaged person's entry or expansion as a dealer.

### **4.3. Facilities of Dealerships**

4.3.1. The OEM's compliance requirements shall not impose onerous obligations on prospective Dealers. The requirements for facilities of dealerships should be reasonable and have an economic rationale, particularly in relation to the size of land, show-rooms, furniture, fitting and finishes of dealerships.

4.3.2. OEM's shall not require authorised Dealers to make further investments within established facilities within 5 years from their commencement, if such investments are not objectively required for the continuation of the Dealer's normal business operations.

4.3.3. OEM's shall approve and recommend multiple suppliers for required branding and corporate identity elements of dealerships, from which Dealers can procure. OEMs shall not forbid or penalise Dealers from purchasing the said goods from such approved alternative suppliers if they are of like kind and quality.

4.3.4. OEMs and Dealers shall support those businesses owned by historically disadvantaged persons in their procurement of goods.

#### **4.4. Sale of Policies and Plans**

4.4.1. Policies and Plans sold or provided to Consumers at the sale of a motor vehicle shall not forbid a Consumer from using the services of Independent service providers for repair, service or maintenance work whilst the motor vehicle is covered by the warranty period as well as after the expiration of the warranty period. Policies and Plans sold or provided to Consumers should explicitly indicate as much.

4.4.2. OEMs shall recognise and promote a consumer's choice to:

4.4.2.1. purchase a new motor vehicle separately from a Maintenance Plan, a Service Plan and an Extended Warranty;

4.4.2.2. to select the duration of a Maintenance Plan, a Service Plan and an Extended Warranty on newly purchased vehicle;

4.4.2.3. use any repairer for non-warranty work (service, maintenance, repairs and replacement of parts not covered by a warranty) during both the warranty period and any extended warranty period. This will not have the effect of voiding or cancelling the OEM warranty. In these instances the OEM is not obliged to pay for the repair work;

- 4.4.2.4. use any Independent service provider for Warranty work during the warranty period, provided that the independent service provider uses an Original or Identical Spare Part. In such instances the OEM and insurer shall not withhold payment to the independent service provider.

#### 4.5. Consumers' Rights to Information

- 4.5.1. At the point of sale of a motor vehicle, Dealers shall provide the consumer with a complete disclosure of the following costs:

- 4.5.1.1. purchase price of the motor vehicle;
- 4.5.1.2. Policies and Plans included in the purchase price of the vehicle;
- 4.5.1.3. dealer commissions and other commissions, excluding internal commercial costs of the dealership;
- 4.5.1.4. any other related cost and pricing information, as required by the Consumer Protection Act, Financial Services Board Act and any other applicable legislation.

- 4.5.2. Consumers are entitled to a full disclosure of information regarding the maintenance and repair of their motor vehicle, as well as the terms and conditions under which they are required and/or permitted to maintain and repair their motor vehicle.

- 4.5.3. At the point of sale of a motor vehicle, Dealers shall provide the consumer with details of all inclusions and exclusions included in the Policies and Plans, including the following information:

- 4.5.3.1. the average costs (as they exist at the time of sale of the motor vehicle) for each service interval; and
- 4.5.3.2. the average cost of the parts covered by Policies and Plans which commonly require replacement at specific kilometre intervals or upon the motor vehicle attaining a specific age;

- 4.5.3.3. the interest that a consumer will incur on the upfront payment of Policies and Plans.

## **5. MAINTENANCE, SERVICE AND REPAIR WORK**

- 5.1. OEMs and Insurers shall not exclusively appoint a service provider for effecting repair and/or maintenance work on an OEM's motor vehicles within a designated geographic area.
- 5.2. OEMs and Insurers shall not appoint any service provider for an excessively long term, and shall not continuously renew the appointment of the same service provider, if such appointment or renewals are to the exclusion of the appointment of other service providers capable of effecting repair and/or maintenance work on an OEM's motor vehicles within a designated geographic area.
- 5.3. Independent service providers shall be entitled to effect maintenance and repair work to a consumer's motor vehicle whilst it is still under Warranty or covered by a Maintenance Plan, Service Plan or Extended Warranty.
- 5.4. Insurers shall not withhold payment to Independent service provider who effect repair and maintenance work on a motor vehicle whilst the motor vehicle is under a Maintenance Plan, Service Plan, Warranty or Extended Warranty.
- 5.5. OEMs and Insurers shall give preference to historically disadvantaged persons in appointing service providers to the OEM's network. OEMs and Insurers shall implement specific measures to give effect to this.

## **6. ACCESS TO TECHNICAL MAINTENANCE INFORMATION**

- 6.1. OEMs shall make available to independent service providers, at no cost, all technical maintenance information relating to its motor vehicles. Such information includes but is not limited to the following:
- 6.1.1. unequivocal vehicle identification



- 6.1.2. service handbooks
- 6.1.3. technical manuals
- 6.1.4. component and diagnosis information
- 6.1.5. wiring diagrams
- 6.1.6. diagnostic trouble codes (including manufacturer specific codes)
- 6.1.7. software calibration identification number applicable to a vehicle type
- 6.1.8. information provided concerning, and delivered by means of, proprietary tools and equipment
- 6.1.9. data record information and two-directional monitoring and test data
- 6.1.10. operational software

## **7. PARTS AND ACCESSORIES**

### **7.1. The Certification of Spare Parts**

- 7.1.1. Where no South African national standard exists for a spare part, or the said standard is unregulated by the NRCS or other regulatory body as the case may be, the OEM's must make the specifications of their motor vehicle parts publically available.
- 7.1.2. Spare parts of matching quality must be accredited by the SABS or through a SANAS-accredited laboratory, per the applicable laws and regulations of the Republic of South Africa.
- 7.1.3. The obligation to prove that the spare parts are of matching quality shall lie with the manufacturer, supplier or importer of such spare parts.

## **7.2. The Use of Spare Parts**

- 7.2.1. OEMs shall not forbid Consumers or Service Providers (whether independent or authorised), from using spare parts of matching quality whilst the motor vehicle is covered by the Warranty, provided that the spare parts of matching quality are accredited by the SABS or through a SANAS-accredited laboratory.
- 7.2.2. OEMs shall not forbid Service Providers from using spare parts of matching quality for maintenance, service and non-warranty repairs after expiration of the Warranty period.
- 7.2.3. Insurers shall not withhold payments to a Consumer or a Service Provider if the Service Provider, whether independent or authorised, uses spare parts of matching quality.
- 7.2.4. In instances where spare parts of matching quality are used in the maintenance and/or repair of a motor vehicle, the relevant OEM will not be held liable for any defects or damage caused by a defect in the spare part of matching quality.

## **7.3. The Distribution and Sale of Spare Parts**

- 7.3.1. The various associations active within the automotive industry shall publish a list of parts of matching quality and shall maintain the list.
- 7.3.2. OEMs shall not restrict Service Providers from accessing spare parts of matching quality or their ability to purchase original spare parts or identical spare parts from alternative channels (e.g. parallel imported spare parts).
- 7.3.3. OEMs shall not set minimum retail prices for spare parts and other services as well as related labour rates of service providers.
- 7.3.4. OEMs shall not enter into any agreements regarding components used for the initial assembly of motor vehicles and with the supplier of such components, which will restrain the supplier's ability to place its trade mark or logo effectively and in an easily visible manner on the components supplied or on spare parts.

7.3.5. OEMs shall not restrict a service provider's ability to sell spare parts.

7.3.6. OEMs shall not restrict the sales of spare parts for motor vehicles by members of the OEM's network to independent service providers, which use those parts for the repair and maintenance of a motor vehicle.

7.3.7. OEMs shall not enter into any agreements with suppliers of spare parts, repair tools or diagnostic or other equipment to restrict the supplier's ability to sell those goods to service providers or end users.

## **8. AVAILING OF SPECIAL EQUIPMENT AND TOOLS TO DEALERS AND INDEPENDENT REPAIRERS**

8.1. OEMs and their Approved service providers shall make available to Independent service providers, at a reasonable cost, the special tools and equipment necessary for the provision of maintenance services and repair work of motor vehicles. This may be done through lending, leasing or hiring out of the special tools and equipment.

8.2. OEMs shall not forbid Approved service providers from lending, hiring out or leasing such special tools and equipment to Independent Service Providers nor restrict the sale or supply of such special tools and special equipment to Independent Service Providers,

8.3. Certain safety and security critical tools, equipment and parts may only be obtained from the OEM or suppliers authorised by the OEM. These safety and security critical tools, equipment and parts are those which directly or indirectly interfere with anti-theft, and the active and passive security systems of a vehicle, specifically, alarm and tracking systems, immobilisers, locking and entry systems, electronic control units, airbags, safety belts and similar products .

8.4. OEMs shall not discriminate between Approved Service Providers and independent service providers in terms of the sale and supply of specialised equipment and tools.

## **9. TRAINING**

- 9.1. OEM's shall make available or alternatively, shall provide training to independent service providers who request parts or product-specific training, at a reasonable cost. Such training will encompass the methods used to effect motor vehicle body and mechanical repair, and fitment works on the motor vehicles that a particular OEM manufactures or supplies.
- 9.2. OEMs shall provide Independent service providers with certification of such completed training. These certificates will effectively categorise the trained independent service provider as being as competent and having the knowledge to effect any maintenance, service or repair work on a particular OEM's motor vehicle.
- 9.3. Such certificates will enable independent service providers to be granted admission to the OEM's network and insurers alike, to effect maintenance and repair work on that particular OEM's motor vehicles.

## **10. STATUS OF THE CODE**

- 10.1. The signatories to this Code voluntarily commit to adhere to the provisions herein.
- 10.2. The terms of this Code do not supersede any other obligations that bind the signatories, whether such obligations may be statutory, compulsory and/or voluntary in nature.

## **11. IMPLEMENTATION**

- 11.1. The Code shall take effect, in full, 12 months after its signing.
- 11.2. Each signatory to this Code will be responsible to take steps to give effect to its terms in order to ensure the inclusion and participation of a greater number of service providers, in particular those owned and operated by historically disadvantaged persons, within the automotive industry.

## **12. MONITORING OF ADHERENCE TO THE CODE**

- 12.1. The signatories of this Code shall submit annual reports to the Competition Commission on the implementation and adherence to the principles set out.
- 12.2. The Commission shall prescribe the elements which signatories must report on, which shall include the transformation initiatives effected pursuant to this Code.
- 12.3. The Commission shall aggregate and publish the annual reports submitted by the Signatories.

## **13. REVIEW OF CODE**

- 13.1. The Code shall remain valid until amended, replaced or withdrawn by the Competition Commission, in consultation with the automotive industry participants.

## **14. DISPUTE RESOLUTION**

- 14.1. Disputes arising from the application of this Code shall be referred to the MIOSA for resolution.
- 14.2. All service providers shall register with MIOSA, for the purposes of dispute resolution.

-End-

## DEPARTMENT OF HIGHER EDUCATION AND TRAINING

NO. 1012

22 SEPTEMBER 2017

**COMMENCEMENT OF THE HIGHER EDUCATION AMENDMENT ACT NO. 9 OF  
2016**

I, Bonginkosi Emmanuel Nzimande, Minister of Higher Education and Training, hereby determine in terms of section 46(1) and (2) of the Higher Education Amendment Act, 2016 (Act No. 9 of 2016), save for section 33 of this Act, the rest of the sections of this Act will come into operation on the date of publication of this Notice.

Section 33 will come into operation on a later date still to be determined.



**Dr BE Nzimande, MP**

**Minister of Higher Education and Training**

**Date:**

21/06/2017



## DEPARTMENT OF HIGHER EDUCATION AND TRAINING

NO. 1013

22 SEPTEMBER 2017

**CALL FOR COMMENTS: DRAFT NATIONAL POLICY ON ANNUAL REPORTING AND  
SUBMISSION OF ANNUAL PERFORMANCE REPORTS BY COMMUNITY EDUCATION  
AND TRAINING COLLEGES AS CONTEMPLATED IN SECTION 41A (b) OF THE  
CONTINUING EDUCATION AND TRAINING ACT, 2006 (ACT NO. 16 OF 2006) AS  
AMENDED**

I, Bonginkosi Emmanuel Nzimande, Minister of Higher Education and Training, hereby invite, in accordance with Section 41A (b) of the *Continuing Education and Training Act, 2006 (Act No. 16 of 2006)* as amended, the draft *National Policy on Annual Reporting for Community Education and Training Colleges*.

All interested persons and organisations are invited to comment on the draft *National Policy on Annual Reporting for Community Education and Training Colleges* in writing and direct their comments to The Director-General, Private Bag X174, Pretoria, 0001 for Attention: The Deputy Director-General-General, Dr EB Mahlobo, email: [Mahlobo.B@dhet.gov.za](mailto:Mahlobo.B@dhet.gov.za) or by fax to 0123242059.

Kindly provide the name, telephone number, fax number and e-mail address of the person or organisation when submitting comments. The draft policy is available on the website of the Department at [www.dhet.gov.za](http://www.dhet.gov.za). The comments on the draft *National Policy on Annual Reporting for Community Education and Training Colleges* should reach the Department within 21 calendar days after publication of this Notice.



**Dr BE Nzimande, MP**

**Minister of Higher Education and Training**

**Date:** 12/09/2017

## DEPARTMENT OF HOME AFFAIRS

NO. 1014

22 SEPTEMBER 2017

**ALTERATION OF FORENAMES IN TERMS OF SECTION 24 OF THE BIRTHS AND DEATHS REGISTRATION ACT, 1992  
(ACT NO. 51 OF 1992)**

The Director-General has authorized the following persons to assume the forename printed in *italics*:

1. Margaret Matsile - 830313 0863 087 - 1045 Molele Street, CENTRAL WESTERN JABAVU, 1809 - *Margaret Molebogeng*
2. Mbango Charles Matjokana - 550530 5661 087 - 5 Ema Road, DEBONAIR PARK, 1914 - *Qasim Alzuhri Mbango Charles*
3. David Malkop Phisi - 730202 7535 080 - 2759 Villa Liza, Extensin 2, BOKSBURG, 1459 - *David Mandla*
4. Looseboy Modupi - 791017 5667 081 - 13054 Lehututu Street, Tihageng Location, KIMBERLEY, 8345 - *Kagiso Looseboy*
5. Nozibele Pamela Makhalima - 790919 0963 087 - 44 Kameeldoring Street, PALMRIDGE, 1458 - *Khadijah*
6. Lame Lucky Molebatsi - 871218 5352 087 - 7744 Phase 2, BRAAMFISCHER, 1863 - *Lesego Lame Lucky*
7. Queenbee Thandiwe Diko - 780614 0417 083 - 4974 Shayamoya Location, KOKSTAD, 4700 - *Thandiwe Queenbee*
8. Harmans Mahlangu - 871103 5621 089 - 429 Kwaggafontein B, Thembisile Hani Local Municipality, MKOBOLA, 0458 - *Harry Lawrence*
9. Nonkululeko Mbalenhle Konrad - 890602 0495 081 - 7 Boskraai Close, Extension 38, Bromhof, RANDBURG, 2188 - *Sky Nonkululeko Mbalenhle*
10. Bongani Sarah Mafokoane - 830417 0290 082 - P O Box 7126, KOPPERMYN, 0719 - *Nyabane Maria*
11. Phindile Qalekiso - 700312 6148 086 - 6990 Extension 6, Tsomo Street, MFULENI, 7100 - *Phindile Mbayi*
12. Ntenne Emeliah Sekgobela - 981106 0533 081 - P O Box 474, JANE FURSE, 1085 - *Kgotso Mamphodi*
13. Vusumusi Nehemiah JR Sibiya - 920523 5347 081 - 8 Laksman Street, Stonehenge, NELSPRUIT, 1200 - *Vusumuzi Nehemiah Jr*
14. Zakhele Ngema - 880518 5731 084 - P O Box 70827, RICHARDS BAY, 3900 - *Zakhele Doctorphuthuma*
15. Wayne Eric Marcus - 711231 5135 083 - 29 Viview Road, Farningham Ridge, PINETOWN, 3610 - *Wayne Eric Goonga*
16. Donovine Almeda Phukuile - 770720 0190 083 - 721 Highwood Avenue, FAERIE GLEN, 0081 - *Donavine Almeda*



17. Lekgalake Noris Monaiwa - 841220 5906 083 - Ga-Mashabela, JANE FURSE, 1085 - *Mpine Moris*
18. Regionald Pelaelo Makhubedu - 571112 5304 086 - Stand no 238, LERORO, 1273 - *Regional Motshabeng*
19. Ncayiyana Elliot Cikwayo - 590310 5400 089 - Mvundla Location, GA-MALAKHA, 4249 - *Sakhephi Johnson*
20. Tungufhadzeni Matodzi - 860303 6055 088 - 3 Opal Street, CARLETONVILLE, 2500 - *Tungufhadzeni Beбето*
21. Lentikule Thomas Mojahi - 511012 5646 085 - 1454 Eagle Street, SCHWEIZER-RENEKE, 2180 - *Lentikile Thomas*
22. Mosetsanagape Eva Edward - 680703 0931 085 - House no 637, Tolo Street, STELLA, 8650 - *Tlhompho Mirriam*
23. Masehlabane Amelia Metsing - 670527 0366 089 - 59 Mopedi Section, KATLEHONG, 1431 - *Seithati Amelia*
24. Ncebakazi Gladys Mpongo - 800424 0891 089 - Esigedleni Location, GAMALAKHE, 4249 - *Nomthuthuzeli Gladys*
25. Eulander Nomthadazo Ngcobo - 871001 0486 088 - Lot 441, GAMALAKHE, 4249 - *Yolanda Palesa*
26. Peter Molatlhegi Metswamere - 801224 5732 083 - 7605 Phase 3, Extension 39, MMABATHO, 2735 - *Peter Thabo*
27. Mabel Khanyile - 780419 0298 081 - 210 Lilac Street, DOBSONVILLE, 1863 - *Zama Mabel*
28. Sunnyboy Mkhawani - 850311 5498 086 - 6827 Ngobese Street, River Park, JOHANNESBURG, 2010 - *Israel Sunny*
29. Sibusiso Dlamini - 800304 6048 084 - House no 135, ISIPINGO RAIL, 4110 - *Sibusiso Mkhumbi*
30. Keolebogile Millicent Mphatwe - 870822 0522 080 - Naole Village, TAUNG, 8584 - *Naledi Millicent Keolebogile*
31. Bohlale Shaku - 920708 0864 087 - P O Box 486, KEDIKETSE, 0454 - *Mmatjatji Bohlale*
32. Molefe Mpho Teane - 920518 5067 085 - Boyne, Ga-Mamabolo, POLOKWANE, 0700 - *Molefe Joseph*
33. Solivha Mabuyangwa - 961105 5464 080 - P O Box 1, XIGALO, 0981 - *Solver*
34. Nokubonga Mkhize - 990528 0654 089 - D 129 Bombo Road, KWAMASHU, 4359 - *Nokubonga Nonkululeko*
35. Motshidisi Veronica Annah Banyane - 900910 0597 089 - 344 Tshepong Location, VERKEERDEVLEI, 9401 - *Matshediso*
36. Liberty Chauke - 970201 6144 083 - 1510 Chokwe, WINTERVELDT, 0198 - *Thabo Liberty*
37. Keneilwe Evodia Sonkwala - 990415 0856 080 - 9400 – K 9, Kutlwanong, ODENDAALSRUS, 9480 - *Nombuyiselo Evodia*
38. Lindiwe Dlamini - 900120 1126 082 - 25 Sparatis Montare, MITCHELLS PLAIN, 7786 - *Lindiwe Ntombikazulu*
39. Khutso Nkadimeng - 970314 5745 089 - Stand no 6091, MARAPYANE, 0459 - *Khutso Edwin Letsepe*
40. Mshingilo Mshingila Sosibo - 201228 5117 084 - Eluphepheni Location, HIGHFLATS, 3306 - *Mshingila Austia*
41. Amstong Batini Lubisi - 900331 5273 081 - 16812 Mojelele Street, MAMELODI EAST, 0122 - *Armstrong Bathini*
42. Desire Kgopotso Riba - 990830 5353 083 - Riba Cross, BURGERSDORP, 9744 - *Desire Kgalagadisha*

43. Augusta Kodua-Agyekum - 930824 0668 085 - 129 Cnr of Main & Penzance Road, Observatory, CAPE TOWN, 7820 - *Augusta Abena*
44. Mogokgo Johannes Tjao - 940414 5214 081 - 385 Ebony Park, Extension 4, Cnr Viola & Vinca Street, MIDRAND, 1685 - *Katlego Gideon*
45. Marumane Tololo Mampholo - 860410 6239 081 - 46 – 9th Avenue, ALEXANDRA, 2010 - *Marumane Steven*
46. Bhekelakhe Tshutsha - 861003 6019 089 - Louisiana Location, PORT SHEPSTONE, 4240 - *Thobelakhe Sinovuyo*
47. Magwinya James Motsili - 680809 5552 089 - Masehlaneng Village, MOKOPANE, 0600 - *Msibi James*
48. Abongile Madziba - 970211 0888 080 - P O Box 278, CREIGHTON, 3263 - *Abongile Zomhle Athembile*
49. Mangale Maria Lechaba - 800308 0542 083 - 16 Pebble Stone Bend, 25 Alcon Avenue, Baccleuch, SANDTON, 2010 - *Nompumelelo*
50. Sumintha Rugbeer - 821123 0060 084 - Lot 68 Door 2, Zone 5, Belvedere, TONGAAT, 4400 - *Samantha*
51. Mosimanegape Edwell Matsile - 591209 5771 086 - 6256 Modiboa Street, Ikageng Location, POTCHEFSTROOM, 2531 - *Mosimanegape*
52. Mmakau Patricia Mmampholo - 770501 0507 082 - 77 Voilta Street, Extension 13, Allendaleview, KAALFONTEIN, 1682 - *Khomotšo*
53. Abigail Siphesihle Mlambo - 890425 1207 085 - P O Box 814, MTUBATUBA, 3935 - *Aphiwe Siphesihle*
54. Bonwayini Silinga Sophie Mahlangu - 551124 0537 085 - 834 Vaalbank, MBIBANE, 0449 - *Sophie*
55. Visky Makwala - 900422 5787 087 - 148 – 11 Th Avenue, ALEXANDRA, 2090 - *Viscar*
56. Jeffrey Mailula - 770219 5348 085 - 48 – 12th Road, Kew, JOHANNESBURG, 2010 - *Jeffrey Nkokonyane*
57. Lungane Tshabalala - 870919 5976 087 - 20 Kinross Street, GERMISTON, 1401 - *Lungani*
58. Zintle Qegu - 840124 0900 086 - 21 Schiedam Avenue, Bloubosrand, RANDBURG, 2188 - *Zintle Khwezilomso*
59. Nontobeko George - 881006 0972 084 - 43 Siphika Street, NYANGA, 7525 - *Nontobeko Yolanda*
60. Shannon Leigh Wilson - 911029 0049 087 - 39 Falcons Nest, 418 Kelly Avenue, BROMHOF, 2154 - *Shannon Leigh Pearce*
61. Kedibone Joyce Nkhabu - 830603 0779 089 - 4901 AA Street, BLOEMSIDE, 9323 - *Rethabile Joyce*
62. Nathaleen Fortune - 890211 0350 088 - 25 Rietbok Avenue, LOTUS RIVER, 7824 - *Najwa*
63. Mamphaka Frans Maphatane - 680817 5385 087 - 2534 Lesotho Street, Cosmo City, RANDBURG, 2194 - *Mamphaka*
64. Faldielah Joseph - 790927 0124 089 - 26 Bayermunich Street, Freedom Park, TAFELSIG, 7785 - *Fadiela*
65. Mariana Pienaar - 630626 0155 085 - 93 Ben Viljoen Street, PRETORIA NORTH, 0183 - *Michelle Bennett*
66. Woomanath Lutchman - 590216 5167 083 - 16 Ilanda Road, Athlone Park, DURBAN, 4126 - *Bobby Woomanath*
67. Moitiri Olma Mmotong - 990927 0651 089 - Stand no 20075, Mmaserumule Park, NEBO, 1059 - *Mafete Olma*

68. Kholiswa Dibela - 910528 1076 081 - 1473 Tennessee Street, Graceland, GERMISTON, 1401 - *Sive Kholiswa*
69. Dhanrajhi Mooideen - 710928 0123 086 - 680 Old Greytown Road, Flat no 2, PIETERMARITZBURG, 3200 - *Nafisa*
70. Cornelia Elizabeth Maria Smith - 680419 0117 084 - 129 Keerom Street, Kleinvlei, EERSTE RIVER, 7103 - *Madelyne*
71. Sakhiwe Nako - 890507 5767 089 - 7311 Pere Road, Lower Cross Road, PHILLIPPI EAST, 7785 - *Sakhiwo*
72. Nomotlo Zondi - 950101 1970 082 - Mshwathi Area, WARTBURG, 3680 - *Nompilo*
73. Recardo Christo Dodomzi Julies - 961207 5146 087 - 569 Hlongwane Street, Ipopeng, KIMBERLEY, 8345 - *Ricardo Christo Ndodomzi*
74. Thabiso Sikobi - 971124 0998 081 - Ward 29, Jerico Location, MARGATE, 4260 - *Zama Thabiso*
75. Alulutho Mahlanyana - 971210 5367 081 - Mabhelani Location, FORT BEAUFORT, 5720 - *Alulutho John-Lu*
76. Mpanyane Lucas Masemene - 970602 5219 083 - 14787 Winnie Jansen, KIMBERLEY, 8345 - *Zandisile Lucas*
77. Banala Eric Nodwala - 950506 5167 081 - 878 Gangca Street, PORT ALFRED, 0170 - *Banele*
78. Deliwe Maria Mkhalihi - 950315 0252 082 - 15967 Somintuli Street, Extension 5 B, Tsakane, BRAKPAN, 1550 - *Deliwe Mbalenhle Natasha*
79. Laduma Gadekhaya - 980715 6115 080 - Zaka A/A, NGQELENI, 5140 - *Ludumo*
80. Ngiphiwe Winston Raphekwane - 741212 5755 082 -, HAMMANSKRAAL, 0407 - *Mpho Winston*
81. Fikile Glenrose Thela - 841127 0436 083 - 1626 Leboeng, Extension 5, TEMBISA, 1632 - *Thandeka Glenrose*
82. Bonolo Alberto Khabae - 800616 6799 089 - 10202 Maphinick Village, KURUMAN, 8460 - *Bonolo Albert*
83. Kempster Phumza Sikhumbuzo Mshubi - 760102 6583 086 - 1196 Ngwaneso Street, CWJ, SOWETO, 1809 - *Kempster Sikhumbuzo*
84. Tshwaragana Motlabepula Pharedi - 990426 0555 085 - 5 Permanent Building, Douglas, KIMBERLEY, 8301 - *Tshwaragano Tracy*
85. Kagiso Nkwana Masha - 980830 5522 085 - Ga-Makua, NGWAABE, 1058 - *Kagiso Hlomishi*
86. Liesbet Gobile - 911222 0461 085 - 1125 Mokhele Street, EDENBURG, 9908 - *Nombulelo Liesbet*
87. Patrick Mabatane - 810224 5784 083 - Mphanama, MARISHANE, 1064 - *Patrick Letšatši*
88. Julia Stamper - 830212 0239 084 - 3 Viva Street, Kwanokuhle Location, PLETTENBERG BAY, 6600 - *Nomveliso Julia*
89. Noah Johannes Sello - 870809 5772 083 - 35348 Extension 6, Moretliwa Street, MAMELODI EAST, 0122 - *Neo Johannes*
90. Halima Ahmad Seshoka - 980416 6027 082 - 1047 Block F 2, New Eersterus, MORETELE, 0429 - *Mpho Ahmad*
91. Sankie Malose Kutumela - 931114 5090 082 - 802 Khumalo Valley, KATLHEHONG, 1431 - *Teboho Sankie Malose*

92. Ngxididi Sigidi - 960727 5544 081 - Chizela A/A, DUTYWA, 5000 - *Aphiwe*
93. Tumelo Masemola - 970708 6113 082 - Stand no 5366, WATERVAL B, 0472 - *Nalebotse Tumelo*
94. Ratanang Venetia Mmutle - 920726 5572 083 - 10104 PHomolong, Extension 6, MAMELODI EAST, 0122 - *Ratanang Kutlwano*
95. Silindile Ngqondoyi - 971216 0945 086 - Makhotyana A/A, LIBODE, 5160 - *Silindile Silindokuhle*
96. Tshepo Nkuna - 910513 5693 081 - X 11 A – 194, MAMELODI EAST, 0122 - *Tshepo Victor*
97. Bonisiwe Pretty Khanyile - 930308 1378 084 - 214 Venyane Street, BENONI, 1501 - *Bonisiwe Alicia*
98. Pulle Paul Sebaka - 940226 5187 087 - E 2514 Gugu Street, Ezakheni, LADYSMITH, 3381 - *Rhakamani Paul*
99. Ntombezintle Ndzoyiya - 940324 1456 083 - Cacadu A/A, MQANDULI, 5050 - *Baliswa Ntombezintle*
100. Tumelo Tsimishi Magaga - 960729 5458 080 - Stand no 151, Zone 1, Kampeng, TAFELKOP, 0474 - *Tumelo Setjeng*
101. Lehlogonolo Mahlodi Mahlokwane - 941223 0907 089 - 2283 Undla Street, KAGISO, 1754 - *Lehlogonolo Mošikidi*
102. Vuyokazi Maheya - 710201 0872 080 - 447 Ilitha Township, KING WILLIAMS TOWN, 5600 - *Vuyokazi Jacqueline*
103. Moagi Chauke - 720114 5690 084 - 6705 Section 5, MAMELODI EAST, 0122 - *Buti*
104. Olivia Ngwanamohuba Segooa - 681120 0377 087 - 169 Block F, SOSHANGUVE, 0152 - *Olivia Ngwanamohuba Mummygirl*
105. Dzudzanani Terror Mashamba - 900813 5697 088 - Siloam, DZANANI, 0970 - *Dzudzanani Terrence*
106. Lebohang Nkuna - 900914 1158 081 - 3609 Mpane Street, ORLANDO EAST, 1804 - *Naledi Lebohang*
107. NOmpamba Sylvia Chemise - 900911 0546 084 - 6355 Kgotong, WELKOM, 9660 - *Thandeka Sylvia*
108. Phumile Sophy Mahlangu - 931111 0496 082 - 2166 Section E, EKANGALA, 1021 - *Phumzile Sophy*
109. Ndandiba Nkonyane - 940905 6087 087 - 612 Europe, GUGULETHU, 7750 - *Ndandiba Asanda*
110. Thina Mafanya - 970426 0824 089 - Y 323 Vapi Crescent, Site B, KHAYELITSHA, 7784 - *Tina*
111. Janica Steyn - 930507 0230 085 - 15 Edna Road, GRASSY PARK, 7945 - *Naseema*
112. Maria Johanna Elizabeth Spies - 730526 0211 087 - 35 Fouche Avenue, Extension 3, Pomona, KEMPTON PARK, 1619 - *Elizabeth*
113. Butityi Bomvana - 550911 5753 084 - 14332 Kwezana Street, PHILLIPPI, 7785 - *Butityi Jack*
114. Nomawethu Gladys Mpaulodi - 880421 0221 088 - 152 Mbabala Street, Motherwell, PORT ELIZABETH, 6211 - *Andiswa Gladys*
115. Ashley Stuurman - 960419 0104 083 - 33 Prunus Street, Bonteheuwel, CAPE TOWN, 7764 - *Asikah*
116. Kayla Correia - 940614 0164 088 - 29 Bay Ridge, MILNERTON RIDGE, 7441 - *Kemo Kayla*
117. Keletso Manji Rapatsa - 971111 0372 086 - 226 Zone B, MAHWELERENG, 0626 - *Keletso Mandy*

118. Simphiwe Nkosi - 930220 0810 084 - 4744 Sonny Ndala, Ackerville, EMALAHLENI, 1039 - *Simphiwe Shillain*
119. Zandisile Gumede - 790524 0803 083 - 3170 Beno Street, CLERMONT, 3602 - *Zandisile Lindelwa Vanessa*
120. Yvette Tihalefo Setlhapelo - 820121 0595 084 - 35 Prosperity News, GROBLERSDAL, 1724 - *Yvette Tihalefo Bothale*
121. Johannes Andries Smit - 990528 5086 089 - 8 Heelra Road, Raumarais Park, ALEXANDRA, 2090 - *Avi*
122. Thinandhavha Timothy Munyai - 961021 6192 085 - P O Box 1562, DZANANI, 0955 - *Thinandavha Timothy*
123. Dlokwakhe Wonderboy Ngcobo - 930824 5725 088 - D 1288 Milkyway Road, PINETOWN, 3610 - *Wonderboy Luyanda*
124. Itumeleng Maesela Letoka - 840103 5716 085 - P O Box 3880, MOKOPANE, 0600 - *Tumi*
125. Ranlchibi Michael Ngale - 570613 5754 080 - 6671 Ramotse Village, HAMMANSKRAAL, 0400 - *Rankhibi Michael*
126. Mphagahle Kgahlego Maloma - 990505 0382 085 - 757 / 758 Phase Four, Ga-Maloma, SEKHUKHUNE, 1124 - *Disolane Kgahlego*
127. Lekate Katlego Maloma - 951012 0320 089 - 757 / 758 Ga-Maloma, Phase Four, SEKHUKHUNE, 1124 - *Manong Katlego*
128. Johannes Motseothata Metseyotlhe - 800704 5367 080 - Unit 13, Ruimsig, Vandalev Road, ROODEPOORT, 1724 - *Thotho Tshepo*
129. Mohlouwa Elsie Koroloso - 700322 5744 082 - 1813 Itumeleng, ZASTRON, 9950 - *Mohlouwa Elias*
130. Patric Otsile Molebatsi - 790802 5414 084 - 793 Kliplyster Street, Celtisdal X 20, CENTURION, 0157 - *Otsile*
131. Mathudi Wilhelminah Tsatsi - 800903 0651 080 - B 777 Morudi Street, TLHABANE, 0300 - *Mathudi Welheminah*
132. Pakeng Precious Maepa - 961204 5130 088 - 1705 Durban Drive, Slovo Park, SPRINGS, 1559 - *Pakeng Kabelo*
133. Mosibudi Mashoto Mahlo - 950825 0565 085 - Fobeni Village, MODJADJI, 0850 - *Mashoto*
134. Mantombana Mdukulwana - 990128 0960 089 - 20088 Ramtla Street, Extension 3, KWA THEMA, 1575 - *Mantombazana*
135. Victoria Dudu Thekiso - 590829 0578 086 - 2772 Etwatwa East, DAVEYTON, 1520 - *Victoria Dudu Ntshehiseng*
136. Palesa Khasake - 970514 1251 087 - 8 Johannesbrill Street, CW 4, VANDERBIJLPARK, 1900 - *Boikabelo Palesa Caroline*
137. Vusumuzi Nicholas Mthimunya - 910705 5341 089 - 1309 Hartebeespruit Street, HATFIELD, 0083 - *Vusumuzi*
138. Kebogile Nthomatiar Sereo - 960421 0969 085 - 349 Thebe Street, AMALIA, 2786 - *Bofelo Antonecia*
139. Michael Quiton Baptista De Sousa - 930624 5144 086 - 1201 Cobham Street, QUEENSWOOD, 01241 - *Michael Quinton Baptista*
140. Merriam Merien Mangy Moreetsi - 790330 0556 089 - 295 Zambezi Estate, MONTANA, 0151 - *Marry-Ann*
141. Concelia Rammuki - 921002 1195 082 - 24796 Extension 6, SOSHANGUVE, 0152 - *Itumeleng Concelia*



142. Makgotso Fancy Mahlangu - 920110 0438 089 - 9408 Masakhane Street, Etwatwa, DAVEYTON, 1507 - *Makgotso Levi Owami*
143. Anisha Hari - 950912 0112 082 - 1591 Parrot Crescent, LENASIA SOUTH, 1835 - *Anisha Anil*
144. Lerato Palesa Bokako - 901026 0223 086 - 965 Zone, GA-RANKUWA, 0208 - *Lerato Palesa Nozipho*
145. Sadiya Kader - 820515 0041 082 - 30 Boabab Street, S Sekuriteits Hof, MAKHADO, 0920 - *Lizelle-Marié*
146. Pamela Khoza - 850817 0437 085 - Snathing Location, PIETERMARITZBURG, 3200 - *Nolthando Pamella*
147. Otlogetswe Jonah Tongwane - 611120 5854 085 - 89 Unit 2, MMABATHO, 2735 - *Jonah*
148. Tsitsana Palesa Mothibedi - 980715 0635 083 - Stand no 7399, Magogoe Village, MAFIKENG, 2739 - *Tsitsana Palesa Warona*
149. Sam Richard Ntotha - 581225 5874 086 - 18 Tshanga Street, Walmer, PORT ELIZABETH, 6070 - *Sami Richard*
150. Portia Itumeleng Komane - 960907 1169 089 - Malegale, SEKHUKHUNE, 1124 - *Portia Itumeleng Tebogo*
151. Collen Mabulana - 910306 6190 086 - Ramatshinfadi Village, TZANEEN, 0850 - *Ditebogo Morapedi Collen*
152. Kagisho Mampuru - 971101 0316 084 - Dilokong, DRIEKOP, 1129 - *Kagisho Phindile*
153. Isaack Maepa - 900322 6152 085 - D/O, JANE FURSE, 1085 - *Mohube Isaack*
154. Naha Mokhele - 990409 6419 084 - 22039 Bergman, BLOEMFONTEIN, 9300 - *Ishmael*
155. Cecilia Van Wyk - 950627 0017 087 - 1 Wewer Street, Extension 9, RANDPARK RIDGE, 2156 - *Levi*
156. Salome Mmamokwala Motubatse - 821026 0836 082 - Vergelegen, JANE FURSE, 1085 - *Sebolelo Salome*
157. Khanyisile Mashango - 890801 0458 087 - Stand no 13, Louieville, LOWISCREEK, 1302 - *Khanyisile Pretty*
158. Thobeka Inactive Xaba - 950222 1189 083 - 30 / 7 Jabulani Hostel, MSINGA, 1868 - *Thobeka Nontethelelo*
159. Elisa Manganyi - 951212 1272 087 - 496 Chicken Farm, Kliptown, SOWETO, 0982 - *Glory*
160. Kabeio Emmanuel Chauke - 890417 5834 089 - 9 Lockwood Hall Avenue, Phillip Nel Park, PRETORIA, 0183 - *Kabelo Emmanuel*
161. Masibulele Qaqambile Richard Mazwi - 790912 5466 081 - Lot 1862, Lionel Street, MARGATE, 4275 - *Masibulele*
162. Papiki Jappie Kwadi - 770606 6865 085 - Stand no 491, Mzimdala Section, KATJIEBANE, 0517 - *Jappie Papiki*
163. Pulana Philistus Boshego - 651216 0215 081 - 7 Unit A, WHITE RIVER, 1240 - *Pulane Philistus*
164. Buhle Mariah Mkhonto - 970723 0866 080 - N 111 Nkanini, Silobela, CAROLINA, 1185 - *Buhle Partience*
165. Silesta Boroko - 990111 0392 081 - Stand no 51, Phooko, DENNILTON, 1030 - *Cylester Sesi*
166. Zwodangani Cedric Mudau - 970608 5043 084 - Shayandima, VHEMBE, 0945 - *Cedric*
167. Zakhele Mfundo Ngwabe - 960729 5700 085 - Mgyai Location, Ward 12, UMZINTO, 4200 - *Thabiso*

168. Kedisaletse Letie Letlakane - 860428 6294 088 - 939 Ghaudi Street, Letsopa Location, OTTOSDAL, 2610 - *Kagiso Jerry*
169. Morakane Mokoena - 960909 0044 081 - 142 Viljoen Street, KRUGERSDORP, 1739 - *Morakane Zoë*
170. Ningi Penelope Qwabe - 990215 0792 081 - Myanduya Area, SIBHAYI, 3967 - *Zamokuhle Zenande*
171. Cheledi Mison Morota - 960807 5682 089 - Phase 4, SEKHUKHUNE, 1124 - *Cheledi Mission*
172. Kleinbooi Nkina Moganedi - 980829 5563 081 - Ga Magashof, JANE FURSE, 1085 - *Makonoto Tumi*
173. Zwakushiwa Zandeleniimba - 890606 0832 086 - Emhlwazini, LADYSMITH, 3370 - *Zandile Nolwandle*
174. Rustein Abson Zulu - 570405 5804 084 - Burford, LADYSMITH, 3370 - *Phumlani Ronnie*
175. Elvis Goodman Mathevula - 790907 5546 080 - 1 Lark Street, Unit 137, Sparrow Gate, MEREDALE, 2091 - *Goodman*
176. Mabolila Magdeline Manotse - 781008 0529 089 - 7499 Constantia, KROONSTAD, 9499 - *Kgothatso*
177. Adam Ndwakhulu Mbuva - 760414 6090 081 - 44 Everest Street, CE 2, VANDERBIJLPARK, 1911 - *Adam*
178. Nkhetheni Baldwin Mawela - 730227 5715 087 - 86 – 12th Avenue, ALEXANDRA, 2090 - *Nkhetheni Baldwin*
179. Deneo Nchai - 810825 1184 084 - 5328 Lininengoi Street, SAMORA MACHELL, 7785 - *Mariam*
180. Theminkosi Terrence Nkosi - 870303 7117 083 - E 2063 B, FERNIE, 2339 - *Themba Terrence*
181. Nosanelisa Macamba - 720614 0891 082 - R 290 Zuzani Crescent, Site B, KHAYELITSHA, 7525 - *Nosanelisa Nothemba*
182. Nokulunga Sandra Ngobese - 820101 2909 087 - 1554 Kwamakhutha, AMANZIMTOTI, 4126 - *Ramazan Nokulunga*
183. Patricia Ngcenge - 820112 1090 084 - Goudini, RAWSONVILLE, 6845 - *Zukiswa Patricia*
184. Mmapoho Sarah Mothodi - 720322 0733 086 - 4463 Khaya Section, VILJOENSKROON, 9520 - *Mampho Sarah*
185. Tayla Mthembu - 950123 0651 083 - 23 Dunbar Street, YEOVILLE, 2198 - *Sibongile Tayla*
186. Lihle Khandayi - 980527 5428 087 - 11 Jali Road, Lambanathi, TONGAAT, 4400 - *Lihle Justice*
187. Kgabo Kielly Morudu - 900123 1033 084 - 88 – 2 nd Avenue, Salvokop, PRETORIA, 0002 - *Mmakgabo Kelly*
188. Marrida Mtabina - 961123 0201 084 - Stand no 1365, THULAMAHASHE, 1365 - *Miranda*
189. Tatolo Rejoyce Khotle - 890129 0864 082 - 3455 Bluegumbosch, PHUTHADITJHABA, 9870 - *Sibongile Tatolo Rejoyce*
190. Sindisiwe Yvonne Madondo - 930129 0454 084 - A 796, EZAKHENI, 3381 - *Sindiswa Yvonne*
191. Makgauwane Shirley Mohlala - 810430 0401 082 - Mamone, SEKWATI, 1063 - *Madinoge Shirley*
192. Mochabo Izakiel Letlaka - 810717 5663 082 - Malegale, SEKHUKHUNE, 1124 - *Motshabo Hezekiel*
193. Mziwamadoda Samuel Nciphu - 811201 5694 081 - 168 A St George Street, OUDTSHOORN, 6623 - *Mziwamadoda*

194. Wandile Kakaza - 730321 5994 089 - Xume A/A, TSOMO, 5400 - *Wandile Patrick*
195. Magdalena Nemutanzhela - 761006 0847 083 - Thengwe, Thondoni, MUTALE, 0956 - *Rachel Magdalena*
196. Mabole Matholwane Lephera - 811004 5625 083 - Tshilamba, MUTALE, 0956 - *Mabole*
197. Sugendrain Govender - 780727 5098 086 - 62 Road, House no 62, Montford, CHATSWORTH, 4092 - *Sugen*
198. Dithoro William Shai - 531223 5579 087 - 458 Tsenelong Section, TEMBISA, 1628 - *Matswelantle William*
199. Morongoa Nkoana - 901221 0626 087 - 13 Summer Grove, Callington Crescent, TABLE VIEW, 7439 - *Angel Morongoa*
200. Alex Matsipane Mmela - 990109 5276 085 - 35 Umhlunga Street, Extension 3, Hlalanikahle, WITBANK, 1035 - *Alex Bongane*
201. Someleza Nogubhaza - 971029 5209 089 - Nxotwe A/A, QUMBU, 5180 - *Someleze*
202. Nothando Daphne Mbuli - 631023 0390 087 - 45 Dornel Road, HALFWAY GARDENS, 1685 - *Noluthando Daphne*
203. Pinky Cynthia Nxele - 871006 0476 088 - P O Box 71623, PIETERMARITZBURG, 3201 - *Pinky Snethemba*
204. Reginah Modjadji Mashego - 760715 1005 084 - 3467 Extension 7 B, MIDRAND, 1634 - *Regina Monyadi*
205. Kanakhabo Pelgrinah Mahlangu - 581205 0647 083 - 1435 PHola Park, Street 53, KWAMHLANGA, 1022 - *Pelgrinah*
206. Francina Tebogo Phetlhe - 801224 1801 080 - 3559 Leboneng, HAMMANSKRAAL, 0400 - *Tebogo Francina*
207. Tsietsi Benjamin Sohlezi - 830721 5709 081 - 7 – 9 New Main Road, KIMBERLEY, 8300 - *Blessing Benjamin*
208. Surprise Pheladi Malapane - 930116 0958 081 - Mashamothane Village, Zone 5, BURGERSFORT, 1150 - *Surprise Pheladi*
209. Angelina Matjie Mahlatji - 900803 1214 087 - 102 Sandro Flat, 264 Steve Biko Road, GEZINA, 0084 - *Ponelopele Peridot*
210. Tsholofelo Methi - 920524 0315 081 - 57 Celliers Street, Sunnyside, PRETORIA, 0002 - *Onthatile Candice Tsholo*
211. Asanda Thembelani Mbambo - 910325 6357 081 - 7426 Extension 36, Herbage Street, OLIEVENHOUTBOSCH, 0187 - *Asanda Terance*
212. Khabinyane Simon Seraamang - 910517 5704 087 - 54 Parkburg Flat, 328 Minaar Street, PRETORIA, 0002 - *Aobakwe Simon*
213. Clerkness Mphahlele - 970716 1020 087 - 179 Pretorius Street, PRETORIA, 0001 - *Gladness Kgahliso*
214. Nkokhelo Handsome Cele - 990611 5980 087 - 2831 Jamaica, Thembanani Road, CHESTERVILLE, 4138 - *Nkokhelo Handsome Nkululeko*
215. Tselayabotlhe Pertunia Mahmood - 900816 0856 088 - 6 Mariena Flat, General Street, DELAREYVILLE, 2770 - *Samrah*
216. Mlungisi Praisegod Hlophe - 930113 5269 085 - 2056 Kwamakhutha Township, ISIPINGO RAIL, 4110 - *Mlungisi Skhulu*



217. Tracy-Leigh Leonard - 921108 0131 083 - 74 Tafelsig, MITCHELLS PLAIN, 7786 - *Zahra*
218. Susanna Mmatau Leeu - 920318 0332 083 - 4133 Kwakwatsi, KOPPIES, 9540 - *Suzan Matau*
219. Israel Molatlhegi Masipa - 650101 8725 086 - 3045 S Kamfer Street, Extension 25, NATURENA, 2095 - *Israel Izzy Selaelo*
220. Dhiren Meghrajh - 880727 5186 088 - 1 Chalford Road, WESTVILLE, 3630 - *Dhirren*
221. Jolietta Magnolia Hector - 880325 0136 081 - 24 Marigold Street, Lenteguur, MITCHELLS PLAIN, 7789 - *Jawaaria*
222. Sibusiso John Somana - 880530 5777 082 - 14193 Mnixi Drive, Browns Farm, PHILLIPI, 7785 - *Junaid*
223. Jama Sakuba - 540108 5810 088 - 273 Connacher Street, New Bridgton, PORT ELIZABETH, 6200 - *Jama Lungile*
224. Gezani Stanley Chauke - 731110 5512 085 - 1233 SA Loop Street, Tsutsumani Village, ALEXANDRA, 2090 - *Gezani Professor*
225. Velelwa Pinzi - 820917 1190 084 - 545 New Rest, KAREEDOUW, 6400 - *Velelwa Hazel*
226. Daniel Thuso Makhoana - 940629 5145 080 - 323 Johnson Street, BEKKERSDAL, 1772 - *Daniel Seheri Thuso*
227. Dimpho Manyarela - 961212 0758 084 - 13 Blismaut Street, KESTELL, 9860 - *Dimpho Nteboheng*
228. Jan Louis Roux - 951019 5085 088 - 11 Hamilton Street, MARQUARD, 9610 - *Jean Louis*
229. Natacia Deneo Theledi - 890519 1031 089 - 11 Riverside Lodge, Waterford Road, Waterford Estate, FOURWAYS, 2191 - *Natasha Dineo*
230. Cleopatra Boingotlo Maroane - 860208 0557 080 - 158 The Cambridge, 1 Herbert Road, BRYANSTON, 2191 - *Boingotlo Cleopatra*
231. Thapelo Khuduge - 880826 5734 085 - 77 th – 5th Street, HALFWAY GARDENS, 1685 - *Thapelo Timothy*
232. Sebuti Prince Isaac Morake - 710619 5770 084 - 145 Moseja Section, Makgabetloane, JERICHO, 0189 - *Prince*
233. Anna Ngakane - 920311 0727 089 - 507 Tsietsi Moshinini Street, CENTRAL WESTERN JABAVU, 1809 - *Anna Dimakatso*
234. Samuel Claud Marais - 990328 5283 087 - 44 Dickerson Drive, PORT ALFRED, 6170 - *Claude*
235. Karabo Rulph Gwangwa - 950401 5265 087 - 26 Tieroog Street, KATHU, 8446 - *Karabo Ralph*
236. Phumzile Basetsane Gubanca - 970202 0681 088 - 229 Thomas Muir Street, WATERKLOOF GLEN, 0010 - *Phumzile Nikiwe*
237. Thahasello Utlwa - 990216 5084 086 - 19 Loerie Avenue, DOUGLASDALE, 2165 - *Thaasello Zecharia David*
238. Ntombifikile Chili - 910812 0486 081 - 1062 Radebe Street, LAMONTVILLE, 4027 - *Lerato*
239. Sesinyana Nelly Mathye - 990117 0745 087 - P O Box 106, Hubenyi, MAKHADO, 0920 - *Angel Sesi*
240. Riyaadh Moosa Sait - 910319 5192 086 - 14 Michigan Way, Portlands, MITCHELLS PLAIN, 7785 - *Jared*

241. Jenine Willemse - 951124 0086 089 - 11 Daphne Close, Tafelsig, MITCHELLS PLAIN, 7789 - *Wafeeqah*
242. Makoko Frank Ratau - 800417 5814 080 - Tsfetane, SEKHUKHUNE, 1124 - *Matjile Frank*
243. Nodumo Pinky Buda - 731110 1099 087 - 4096 Vela Street, Extension 9, Windmill Park, BOKSBURG, 1460 - *Pinkie Nodumo*
244. Dorah Ramatsobane Montjane – 790418 0910 081 –Seleteng, GA MPHAHLELE, 0736 - *Dorah Raisibe*
245. Mpumelelo Chimureng Sithole - 920815 5225 089 - P O Box 459, GREYTOWN, 3250 - *Mpumelelo Christopher*
246. Kgabo Obed Modikoa - 820408 5846 087 - 7185 Winnie Mandela, Zone 2, TEMBISA, 1632 - *Albert Mashilo*
247. Saskia Isaacs - 921202 0113 082 - 79 Hilary Drive Southern Hills, RETREAT, 7845 - *Saskia Riley*
248. Seshwahla Phillip Mampa - 700624 5371 083 - 485 Unit C, MANKWENG, 0727 - *Mankokonono Phillip*
249. Tsietsi Isaac Mofamere - 870511 5278 083 - 1505 N Section, BOTSHABELO, 9787 - *Themba Isaac*
250. Mpho Tladi - 990401 5888 088 - Stand No 10260, Krokodil, MARBLE HALL, 0450 - *Ngwanamaswi Bafana*
251. Raesibe Ruth Phohu - 700202 0725 080 - 15 B Riley Road, BEDFORDVIEW, 2008 - *Ramatsobane Ruth*
252. Vincent Mathala - 970906 6204 089 - Stand No 42, Posa Section, Luckau Village, TSHILOANENG, 0491 - *Elias Mmela*
253. Glanton Ramphisa - 980304 5536 081 - Stand No 52, Thabakhubedu, DENNILTON, 1030 - *Glanton Mokgobo*
254. Songezwa Ndabana - 860612 5521 084 - 2558 Jika Main Street, IVORY PARK, 1632 - *Songezwa Ndabana*
255. John Luke De Gouveia - 940218 5020 087 - 426 Greenstone Ridge, Stoneridge Drive, EDENVALE, 1609 - *Loukas Ioannis*
256. Mbulelo Xaba Sibiya - 890224 5340 087 - D88 Riemvasmaak, Phumlani Village, LOTUS RIVER, 7941 - *Mbulelo Maxwell*
257. Tshilidzi Patrick Farisani - 720716 6059 083 - P O Box 991, PHANGAMI, 0904 - *Tshilidzi Patrick Farisani*
258. Godfrey Behari - 741006 5038 089 - 19 Partridge Avenue, Highway Gardens, GERMISTON, 1410 - *Intiaz*
259. Bhekisisa Jerry Lubisi - 690129 5503 083 - Q615 Charles Obermeyer Avenue, Philipnel Park, PRETORIA, 0183 - *Oresto Jerry*
260. Ngqinambi Mntuwebaya - 690601 6389 084 - Zimbane Area, MTHATHA, 5099 - *Mntuwebaya*
261. Aberdeen Joseph King Maphike - 920430 5578 089 - 3 Alletta Court Oswell Drive, CHRISVILLE, 2190 - *Aberdeen Joseph*
262. Masotsha Mateletele - 550622 5766 089 - Tshiulungoma, THOHOYANDOU, 0950 - *Mateletele Masotsha*
263. Walter Moepya - 990129 5962 088 - Stand No 1795, KWAGGAFONTEIN A, 0458 - *Thabiso Walter*
264. Mndiyata Zweni - 660824 0932 081 - Nikwe Location, BIZANA, 4800 - *Zweni*
265. Mamello Ndlazi - 971001 0288 087 - 9750 Kubu Street, TSAKANE, 1550 - *Mamello Zandile*

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266. Matodzi Edward Madzena - 641002 5477 089 - Stand No 918, TSHAULU, 0987 - *Madzena Edward*
267. Veronica Dineo Maholobela - 750909 0313 084 - Stand No 412, Greenvalley, ACORNHOEK, 1360 - *Dineo Veronica*
268. Phuti Maureece Ramaite - 840608 5663 087 - P O Box 743, JUNO, 0748 - *Maphula Phuti Kwena*
269. Pegedi William Kgafane - 870522 6012 082 - P O Box 4721, HLAGATSE, 0737 - *Thaloko Willie*

## DEPARTMENT OF HOME AFFAIRS

NO. 1015

22 SEPTEMBER 2017

## ALTERATION OF SURNAMES IN TERMS OF SECTION 26 OF THE BIRTHS AND DEATHS REGISTRATION ACT, 1992 (ACT NO. 51 OF 1992)

The Director-General has authorized the following persons to assume the surnames printed in *italics*:

1. Celimpilo Immaculate Dlamini - 990514 1087 081 - Msigane, INGWAVUMA, 3960 - *Gumede*
2. Xolani Michael Hlatshwayo - 970120 6170 080 - Ngwelezane, EMPANGENI, 3910 - *Ndlela*
3. Bonakele Matjeke - 890516 0454 080 - 2946 A Zone 10, MEADOWLANDS, 4339 - *Mbele*
4. Refilwe Precious Dikana - 990517 0262 084 - 1264 B Masuku Street, Naledi, SOWETO, 1717 - *Zwane*
5. Neo Sello - 900406 1396 084 - 478 A Mkhonza Street, Jabavu, WHITE CITY, 1809 - *Sekhesa*
6. Refentse Brendon Mathope - 990503 6186 089 - 567 Moshate, MOKOPANE, 0600 - *Makgaloa*
7. Nosisi Nkatshuka - 920730 1173 086 - Nkanunu A/A, LIBODE, 5760 - *Mbi*
8. Kgothatso Lefoka - 980206 0055 084 - 164 Rooibok Village, Naledi, MOKOPANE, 0610 - *Notoane*
9. Mashudu Kenny Lephane - 990515 5328 082 - P O Box 466, SEHWAMOKGOPE, 0815 - *Lephale*
10. Sibusiso Sam Ndlovu - 910629 5456 087 - 1834 Thabo Village, BREYTEN, 2330 - *Vilakazi*
11. Mxolisi Mthethwa - 990622 5786 085 - P O Box 8340, EMPANGENI RAIL, 3910 - *Mathenjwa*
12. Kwanele Melani - 980917 6382 088 - 4316 Joe Gqabi, ALIWAL NORTH, 9750 - *Tshiza*
13. Xitshembiso Mavutana - 900819 5709 088 - Petanenge Village, Ritavi, TZANEEN, 0850 - *Mashele*
14. Gcobani Theo Shumi - 971127 5414 087 - Zone 20, No 34, Langa Township, CAPE TOWN, 7525 - *Ntlanganiso*
15. Nonkosithethile Nkejane - 801019 0440 082 - Lesawang Store, P O Box 171, MATATIELE, 4730 - *Ranosi*
16. Neo Gabriel Motaung - 870427 5996 089 - 358 Block HH, SOSHANGUVE, 0152 - *Mogashoa*
17. Lorraine Mkhasibe - 710531 0439 088 - 284 Mapheto Street, ROCKVILLE, 1818 - *Moloi*
18. Mduduzi Zenzele Mavundla - 980828 6106 080 - Kwavala Area, Loskop, ESTCOURT, 3330 - *Mazibuko*
19. Sifiso Mzothini Phungula - 980905 6400 083 - Private Bag X5509, Magistrate Building, NQUTU, 3135 - *Ntombela*
20. Quintin Harris - 930425 5281 088 - 165 Drakensberg Drive, Barry Hertzog Park, NEWCASTLE, 2940 - *Bezuidenhout*
21. Khanya Tabisa Thebeyapelo - 920415 0219 086 - 22 Northway Street, Kelvin, SANDTON, 2090 - *Batyashe*
22. Lungisa Vundisa - 930428 6248 080 - 13693 Tsietsi, KATLEHONG, 4027 - *Mdunusana*
23. Ouma Sannah Motalaute - 580406 0230 083 - 5176 Phase 5, Itsoseng, ERUSMUS, 0193 - *Mahlatsi*
24. Chokoe Elias Mpedi - 810805 5887 080 - House no 3747, Extension 4, MARAPONG, 0555 - *Marakalala*
25. Kutlo Karabo Jele - 860710 5318 087 - Kameeldoring, Tamboetje, GROOTVLEI, 0407 - *Mopere*
26. Tshepo Siniphiwe Mokalla - 950128 5136 089 - 308 Mmotong Village, BAKENBERG, 0611 - *Makalla*
27. Masabata Molefi - 980914 1135 082 - 4441 Tsoai, BOCHABELO, 9323 - *Mokhuoa*
28. Miranda Mashakeni - 940304 0795 087 - Private Bag X4007, TZANEEN, 0850 - *Mthembu*
29. Sibongile Lydia Matubetube - 940602 0370 086 - 269 Ibaxa Section, TEMBISA, 1632 - *Ndaba*

30. Tsuseletsu Monareng - 930212 6317 081 - 372 Vusimuzi Section, TEMBISA, 1628 - *Lebjane*
31. Thato Matsane - 980506 6168 082 - P O Box 46, ACORNHOEK, 1360 - *Mahlake*
32. Maite Constance Rasekgothoma - 960122 0508 085 - Stand no 193, Tlhatlaganya, SOVENGA, 0727 - *Machethe*
33. Rampai Michael Maloa - 941026 6077 082 - Stand no 1170, Vergelegen C, JANE FURSE, 1085 - *Mogale*
34. Makunyane Joseph Moela - 900715 6309 086 - Ga-Masha, SEKHUKHUNE, 1124 - *Monate*
35. Tshepo Perseverance Masango - 740911 5666 089 - 1848 Thorntree View, SOSHANGUVE, 0152 - *Mothapo*
36. Priscilla Ntobeko Mkhatsa - 830722 0786 082 - Stand no 99466, DAANTJIE, 1215 - *Ncabane*
37. Atenkosi Zola - 960707 5909 088 - 2300 Thembisa Location, BURGERSDORP, 9744 - *Hloyi*
38. Thabang Nkuna - 910713 5144 081 - Private Bag X4007, TZANEEN, 0850 - *Manyike*
39. Mandla Victor Zulu - 950202 5565 082 - 897 Mthethwa Street, JABULANI, 1868 - *Nxumalo*
40. Bongane Ephriam Motlokoa - 900724 5750 084 - Plot 7, Grootvlei Power Station, NIGEL, 1490 - *Dlamini*
41. Kenedy Mogakane - 950906 6174 088 - Street no 389, Masiloane, TLADI, 1868 - *Nonyane*
42. Nathaniel Matshaya Dhlamini - 800620 5456 089 - 238 Mopani Street, Waterfall East, RUSTENBURG, 0300 - *Makama*
43. Jabulane Joseph Dlodlu - 840817 5622 080 - 39 Cedar Valley, Cnr Mimosa & Myrtle Street, SPRINGS, 1559 - *Mzini*
44. Tsepo Christopher Matlala - 790622 5465 088 - 458 Difateng Section, Shoebill Street, TEMBISA, 1632 - *Mbatha*
45. Luvuyo Mpungose - 960812 6199 083 - 8889 Section 5, MADADENI, 2951 - *Ndhlovu*
46. Winnie Portia Khuzwayo - 980705 0882 082 - Schoengesig Farm, VOLKSRUST, 2770 - *Tshabalala*
47. Aviwe Shabangu - 950721 6122 080 - Nyosini A/A, MT AYLIFF, 4735 - *Gqoli*
48. Thandeka Siphesihle Mathenjwa - 970820 1474 086 - Mphafeni Area, PONGOLA, 3170 - *Gina*
49. Nkosinathi Sokhela - 840327 5785 085 - Karkloof, HOWICK, 3290 - *Ngubane*
50. Lucky Malindi - 880510 6406 089 - No 5941 Extension 3, ORANGE FARM, 1805 - *Ntuli*
51. Xolani Golden Madonsela - 790727 5982 089 - 946 Block T, SOSHANGUVE, 0154 - *Mpungose*
52. Lerato Eniccah Tebele - 990101 1226 081 - Stand no 1752, Homeland, DENNILTON, 1030 - *Mdebele*
53. Sijabulile Eric Hlongwane - 860516 6233 088 - A 843 Khangela Road, Ntuzuma Township, KWA MASHU, 4360 - *Dlomo*
54. Arseno Tebogo Mondlane - 900928 6585 080 - 46 Kwela Close, 60 Niveu Avenue, RANDBURG, 2125 - *Pacul*
55. Thulani Vincent Ngwenya - 891126 5104 083 - 7851 Extension 8, IVORY PARK, 1685 - *Nyakane*
56. Magdeline Dimakatso Mothibedi - 540818 0734 089 - 13123 Extension 12, IVORY PARK, 1685 - *Masakala*
57. Gino Thebe Thebeyapelo - 951225 5172 087 - 22 Northway Street, Kelvin, SANDTON, 2146 - *Batyashe*
58. Azasakhe Sinxo - 980829 0163 085 - 1716 Nu 13, MDANTSANE, 5219 - *Jobo*
59. Vuyisa Mlunguzi - 901014 5730 081 - Maqanyeni A/A, LIBODE, 5160 - *Mafumana*
60. Oupa Geelboy Mahlangu - 860210 6091 080 - Stand no 232, Langkloof, BRONKHORSTSPRUIT, 1020 - *Jiyana*
61. David Lifi Mokwena - 630926 5564 087 - 6043 Unit 7, TEMBA, 0407 - *Mdaka*
62. Nontuthuzelo Mgobo - 810626 0591 083 - Unit 162, Malakite Stone Close, Greenstone Hill, EDENVALE, 1610 - *Gugushe*
63. Modisakgotla Stanley Jabari - 701224 6331 084 - Mocoseneng, MAHIKENG, 2745 - *Ntwae*

64. Chadleigh Liam Draai - 960222 5243 082 - 9 F Seabass Road, Newlands East, DURBAN, 4037 - *Josephs*
65. Mpila Andries Tshabalala - 540517 5554 084 - 19 Marula Street, Extension 5, Dowerglen, EDENVALE, 1610 - *Mthethwa*
66. Fortune Johannes Shivuri - 880824 5564 081 - Stand no B200, SIYABUSWA, 0472 - *Moloko*
67. Selloane Elizabeth Moloi - 970410 1322 087 - 2788 H 2, BOTSHABELO, 9781 - *Ramile*
68. Humbulani Clement Maduwa - 861227 6129 081 - Block D 2, Stand no 075, Mpheni Village, MAKHADO, 0920 - *Raulinga*
69. Badiroang Isaac Ntsaoane - 810924 5843 082 - 54043 Tweelaagte II, BLOEMFONTEIN, 9327 - *Molale*
70. Zanele Patience Ntshikilana - 941105 1199 081 - 1572 Sabatha Street, DAVEYTON, 1520 - *Dyamle*
71. Murendeni Neudane - 980417 6160 089 - Phadzima, NZHELELE, 0993 - *Mabala*
72. Nyiko Ndavane - 980915 6610 086 - Ximixoni Village, MALAMULELE, 0982 - *Maluleke*
73. Anathi Siko - 981209 5616 081 - Ngobozana A/A, LUSIKISIKI, 4820 - *Tshawe*
74. Precious Modiehi Dzimbere - 780101 1308 081 - 245 Moshoeshoe Section, Mlangeni Street, KATLEHONG, 1432 - *Motaung*
75. Monwabisi Themba Mbusi - 760410 6272 083 - Tsikelo A/A, BIZANA, 4800 - *Nqala*
76. Khonaye Simanga - 781024 5560 086 - Unit 9, 2 Stone Ark Estate, GERMISTON, 1401 - *Masango*
77. Siphumelele Wendy Ngcobo - 990131 0685 086 - Luphepheni Location, HIGHFLATS, 3306 - *Shezi*
78. Sibonelo Cele - 980514 5345 081 - G 1037 Bhejane Road, DURBAN, 4359 - *Dladla*
79. Sibonelo Ntshangase - 880425 5848 084 - Northdale, PIETERMARITZBURG, 3200 - *Nxumalo*
80. Langa Solomon Ndlela - 591002 5519 088 - NO 430 Unit 18, Ambali, PIETERMARITZBURG, 3200 - *Malevu*
81. Thabang Illinoise Dickson - 850212 5294 089 - 2162 Katlego Street, MUNSIEVILLE, 1739 - *Mabe*
82. Sifiso Saint Dladla - 561214 5701 089 - 890 Mwelase Road, CHESTERVILLE, 4138 - *Mlaba*
83. Samuel Tebogo Majoro - 880529 6101 086 - 22 Paul Street, VEREENIGING, 1930 - *Molefi*
84. Innocent Danadana Mjoli - 631106 5004 082 - Block W Room 6, Kopanong, WESTONARIA, 1780 - *Sitsheke*
85. Emelia Makgauta Tshabalala - 830909 1384 088 - 561002 Zone 3, SEBOKENG, 1982 - *Masooa*
86. Nhlakanipho Khuzwayo - 970425 6092 089 - 327 Claire Road, DURBAN, 4091 - *Gcwensa*
87. Phumlani Khayelihle Phewa - 980709 6021 083 - 102175 Ogodweni Area, INANDA, 4309 - *Hlongwane*
88. Nkanyiso Patrick Nala - 970418 5826 086 - A 44 Umvoti Road, NTUZUMA, 4359 - *Nkosi*
89. Jabulani Prinselouw Malatje - 860719 5424 084 - 2305 Dlongolo Street, Sakhile, STANDERTON, 2430 - *Madonsela*
90. Tsholofelo Daniel Kgwadi - 841013 5382 086 - 17917 Extension 8, Boitekong, RUSTENBURG, 0300 - *Mohami*
91. Celumusa Mbongeleni Mtshali - 760808 5795 089 - 2705 Mahoro Street, THOKOZA, 1426 - *Dlamini*
92. Johannes Mabokela - 731011 5583 086 - Stand no 303, MAKHADO, 0920 - *Muavha*
93. Rasibe Christina Somo - 310207 0159 083 - Madibaneng Village, LEPHALALE, 0555 - *Rantlhakgwe*
94. Nkululeko Hedley Gumede - 660702 5272 085 - 227 Mofolo South, Hlongwane Street, SOWETO, 1717 - *Cebekhulu*
95. Neo Romeo Tihole - 970603 5298 085 - 1293 Seeisoville, KROONSTAD, 9499 - *Mchunu*
96. Kagiso Patricia Mokwasheni - 970612 1047 081 - 100306 Madateng Village, GA-MASHASHANE, 0743 - *Legodi*
97. Omphile Moilwa - 990526 1164 082 - House no M5116, MOROLWENG, 8614 - *Ramankashu*



98. Modike Michael Maboko - 980319 5815 087 - L/O, TZANEEN, 0850 - *Malekutu*
99. Tshepo Richard Machaya - 930221 5711 087 - 6984 Moedins Section, RAMOTSE, 0400 - *Seerane*
100. Ntsoaki Maria Mbele - 731212 1521 084 - 15294 Palm Ridge, Extension 9, KATLEHONG, 1437 - *Maduna*
101. Bongani Jayson Makatini - 910515 5222 084 - 26 Nyameni Street, KWA THEMA, 1575 - *Ndlovu*
102. Mmapaseka Ofentse Morulane - 960405 0324 086 - Block B, LETLHABILE, 0264 - *Letsoalo*
103. Consecrated Goitseone Selaledi - 890101 1291 086 - Moshana Village, LEHURUTSHE, 2888 - *Maletswa*
104. Evelyn Sikonyela - 971115 0485 087 - 1872 Section F, MABOLOKA, 0147 - *Sibeko*
105. Moses Sikonyela - 921028 5374 084 - 1872 Section F, MABOLOKA, 0197 - *Sibeko*
106. Collen Skhumbuzo Nkambule - 940205 5471 089 - House no B418, Jikeleza Street, RAMOKGELETSANE, 0459 - *Dhlamini*
107. Lerato Lovedelia Seeme - 900409 0817 084 - 5 Rhino Street, RANDFONTEIN, 1760 - *Monnamme*
108. Makunutu Johnson Semetse - 650605 6564 081 - P O Box 285, MOROKWENG, 8614 - *Tiro*
109. Kaone Eric Phetoe - 830826 5510 080 - 10227 Makgobistad Village, MMABATHO, 2735 - *Sechele*
110. Cairo Cas Galehose - 830209 6123 080 - House no 439, GAMANYAI, 8616 - *Motshwari*
111. Penelope Dineo Mahome - 891031 0326 089 - 8194 A Mhlanga Road, Zone 6, DIEPKLOOF, 1864 - *Ramokgopa*
112. Elias Samuel Seleke - 500501 5757 085 - 33 mathole Street, ATTERIDGEVILLE, 0008 - *Mogale*
113. Raseakgwe Adolph Kabelo Padi - 830716 5361 081 - 231 Kgokane Street, GA-RANKUWA, 0200 - *Phalatse*
114. Kabelo Edward Molepo - 841115 5923 080 - 884 B Mapetla Section, MMAKAU, 0194 - *Mataboge*
115. Emmanuel Thabang Mokotedi - 990624 6327 083 - 10156 Phuting Section, SEGAKWANENG, 0365 - *Moraope*
116. Motsatsi Paulina Sekgale - 970903 1139 089 - Serare Village, Naphuno, TZANEEN, 0850 - *Ramogale*
117. Boipelo Onneile Hazel Mogokotleng - 940910 0455 082 – and a minor child – Katlego Mogokotleng – 130820 6284 081 - 12651 Walter Sisulu Street, Extension 8, KAGISO, 1754 - *Moeti*
118. Tello Johannes Lihaba - 741010 5741 080 – and a minor child – Madillo Suzan Lihaba – 020709 0583 080 - 1518 Mokodumela, CLOCOLAN, 9735 - *Mashiya*
119. Pontsho Francis Sekosana - 840204 5588 084 – and a minor child – Rethabile Monica Sekosana – 131004 0165 088 - 356 Phadima Section, KATLEHONG, 1432 - *Letshela*
120. Mmadumane Crisalda Mosehla - 790524 0340 086 – and a minor child – Bonolo Kapei Mosehla – 040509 5873 080 - P O Box 2537, MASWANENG, 0479 - *Bapela*
121. Gabriel Kweke Khumalo - 780828 6495 089 – and your wife – Lerato Prudence Khumalo – 790829 0745 089 – 3990 - Ntoagae Street, DUDUZA, 1496 - *Mnyanda*
122. Dumisani Simon Zwane – 860407 5359 084 - and three minor children – Sibusiso Ntethelelo Zwane – 120308 6654 083 – Phiwokuhle Thandoluhle Zwane – 170120 0800 086 – Cebelihle Zwane – 131101 1290 087 - P381 Section 7, MADADENI, 2951 - *Nkosi*
123. Sydney Bekunina Mhlambi - 581015 5865 089 – your wife – Dusese Rachel Mhlambi – 620319 0448 088 – and two minor children – Jabulile Vallery mhlambi – 000319 0098 081 – Phindile Caroline Mhlambi – 031122 0063 086 - 1002 Montintinyane Street, Mailula Park, Extension 3, VOSLOORUS, 1475 - *Motloutung*
124. Melase Calystus Mokoena - 900609 5033 088 – and a minor child Masesi Caditian Mokoena – 160523 0245 081 - 5473 Extension 2, BETHLEHEM, 9700 - *Mosikidi*
125. Nomthandazo Monicah Masangane - 920514 1260 089 – and a minor child – Reitumetse Sarah Masangane – 101218 0293 080 - 013 Mphatlagatsane Village, QWA- QWA, 9870 - *Maleka*

126. Zacharia Msibi - 611210 5816 083 – and your wife Zanele Martha Msibi – 630915 0401 080 - 285 Ntomela Street, DUDUZA, 1496 - *Makhubo*
127. Phumzile Pretorius Neer - 561017 5584 086 – and your wife – Ndileka Cheryl Neer – 590801 0827 086 - Mdingi Location, KING WILLIAMS TOWN, 5600 - *Ngcetane*
128. Nonhlanhla Pretty Zingithwa - 861202 0343 087 – Linda Danny Zingithwa – and two minor children - 061111 6156 088 – Sthandiwe Rose Zingithwa – 080420 0747 082 - Groundville Location, STANGER, 4450 - *Shange*
129. Keitumetse Ester Gababoe - 821004 1125 086 – and two minor children – Wanani Pfunzo Gababoe – 110205 5928 082 – Masakona Truly Gababoe – 050323 1318 083 - 13078 Extension 08, Sebenzisa Street, KAGISO 2, 1758 - *Mooki*
130. Siphwe Siph Gerald Mbatha - 611124 5716 088 – your wife – Ntombikayise Goodness Mbatha – 620720 0626 088 – and a minor child – Banele Lindokuhle Gantweni – 010220 5647 088 - 313 Ekuvukeni, WASBANK, 2920 - *Mazibuko*
131. Molatelo Anna Makwela - 790907 0555 086 – and two minor children – Tshepo gift Makwela – 120419 5361 081 – Tebogo Monny Makwela – 150606 1084 088 - House No 1782, Springs, BOTLOKWA, 0812 - *Sathekge*
132. Wantwa Jeremiah Motlhacwi - 440705 5373 081 - and your wife – Kagiso Chrisseldah Motlhacwi – 760516 0601 083 - House No 11 B, Mangopa, PAMPIERSTAD, 8566 - *Mokgosi*
133. Kadebona Richard Dlamini - 710221 5357 085 – your wife Zuzeni Susan Dlamini – 790427 1012 086 – and two minor children – Sinelisiwe Dlamini – 160419 1113 081 – Londiwe Dlamini – 100906 0592 086 - Diza Road, 130256 Embo Reserve, HILLCREST, 3610 - *Hlopho*
134. Simphiwe Shadrack Jas - 751206 5837 087 – your wife – Zameka Jas – 821229 0835 084 – and a minor child – Kwakhanya Tuku – 101030 0323 084 - 17 New Castle Street, DUNOON, 7441 - *Dyasi*
135. Salphirah Malese Phala - 691029 0447 089 – and two minor children - Lucia Nareadi Phala – 000420 0612 085 – Martin Phala – 030825 6051 084 - P O Box 9040, BURGERSFORT, 1150 - *Malepe*
136. Siph Try Dibakoane – 740606 5762 082 – and two minor children – Katiso Dibakoane – 010506 5708 080 – Xoliswa Dibakoane – 050125 1464 084 - P O Box 668, ACORNHOEK, 1360 - *Pilusa*
137. Joshua Bhekizizwe Mosea - 661223 5519 085 – your wife – Fihliwe Salvatorius Mosea – 671216 0505 081 and a minor child – Thembisile Mosea – 070327 1472 085 - 22553 Extension 26, EMBALENHLE, 2285 - *Dlamini*
138. Lindelwa Edith Bushula – 701220 0958 088 - and three minor children – Siya bushula – 120614 6144 086 Azola Palesa Bushula – 000803 0286 085 – Alizwa Bushula – 080418 0440 088 - 9163 Meuvale, QUEENSTOWN, 5329 - *Payiyana*
139. Tshwarelo Matasha Masemola - 950705 1423 080 and two minor children – Gift David Masemola – 090912 6353 087 – Mapaseka Bonolo Angela Masemola – 150403 1075 088 - Stand 55, Mototo, ZABEDIELA, 0632 - *Matlhape*
140. Mothusi Rratsatsi – 870130 5522 083 – your wife – Mpho Louryn Rratsatsi - 860830 0808 088 – and two minor children – Kgaogelo Mojaki – 090216 6190 089 – Kutlo Lucus Mojaki – 150302 5597 081 - P O Box 4149, BATLHAROS, 8476 - *Maneedi*
141. Kgompela Johannes Mohlala - 831025 5770 088 – your wife – Lebeko Maphefo Mohlala – 870623 1217 088 – and two minor children – Praise Makgopola Mohlala – 130502 6173 080 – Boitshepo Taile Mohlala – 100216 1565 085 - Mabotsha, BURGERSFORT, 1150 - *Lawrence*
142. Herman Oktober – 610505 5182 084 – your wife – Ellen Oktober – 640412 0915 085 – and a minor child – Alina Dineo Tsilo – 020325 0748 084 - 176 Thompson Street, JACOBSDAL, 8710 - *Mohapi*
143. Dorah Ramatsobane Montjane – 790418 0910 081 – and two minor children – Phakisho Montjane – 051027 0724 089 – Modiegi Annah Montjane – 041008 0640 080 - Seleteng, GA MPHAHLELE, 0736 - *Seepe*
144. Mpumelelo Chimureng Sithole- 920815 5225 089 -P O Box 459, GREYTOWN, 3250 - *Walker*
145. Kgabo Obed Modikoa- 820408 5846 087 -7185 Winnie Mandela, Zone 2, TEMBISA, 1632 - *Magoro*
146. Saskia Isaacs- 921202 0113 082 -79 Hilary Drive Southern Hills, RETREAT, 7845 - *Carney*
147. Seshwahla Phillip Mampa- 700624 5371 083 -485 Unit C, MANKWENG, 0727 - *Mahlatji*
148. Tsietsi Isaac Mofamere- 870511 5278 083 -1505 N Section, BOTSHABELO, 9787 - *Menyela*
149. Mpho Tladi- 990401 5888 088 -Stand No 10260, Krokodil, MARBLE HALL, 0450 - *Shaku*



150. Raesibe Ruth Phohu- 700202 0725 080 -15 B Riley Road, BEDFORDVIEW, 2008 - *Mphahlele*
151. Vincent Mathala- 970906 6204 089 -Stand No 42, Posa Section, Luckau Village, TSHILOANENG, 0491 - *Maredi*
152. Glanton Ramphisa- 980304 5536 081 -Stand No 52, Thabakhubedu, DENNILTON, 1030 - *Tjiane*
153. Songezwa Ndabana- 860612 5521 084 -2558 Jika Main Street, IVORY PARK, 1632 - *Gunundu*
154. John Luke De Gouveia- 940218 5020 087 -426 Greenstone Ridge, Stoneridge Drive, EDENVALE, 1609 - *Perdikis*
155. Mbulelo Xaba Sibiya- 890224 5340 087 -D88 Riemvasmaak, Phumlani Village, LOTUS RIVER, 7941 - *Xaba*
156. Tshilidzi Patrick Farisani- 720716 6059 083 -P O Box 991, PHANGAMI, 0904 - *Mabada*
157. Godfrey Behari- 741006 5038 089 -19 Partridge Avenue, Highway Gardens, GERMISTON, 1410 - *Ebrahim*
158. Bhekisisa Jerry Lubisi- 690129 5503 083 -Q615 Charles Obermeyer Avenue, Philipnel Park, PRETORIA, 0183 - *Bonini*
159. Ngqinambi Mntuwekaya- 690601 6389 084 -Zimbane Area, MTHATHA, 5099 - *Ngqinambi*
160. Aberdeen Joseph King Maphike - 920430 5578 089 -3 Alletta Court Oswell Drive, CHRISVILLE, 2190 - *King*
161. Masotsha Mateletele- 550622 5766 089 -Tshiulungoma, THOHOYANDOU, 0950 - *Mufamadi*
162. Walter Moepya- 990129 5962 088 -Stand No 1795, KWAGGAFONTEIN A, 0458 - *Shoba*
163. Mndiyata Zweni- 660824 0932 081 -Nikwe Location, BIZANA, 4800 - *Mndiyata*
164. Mamello Ndlazi- 971001 0288 087 -9750 Kubu Street, TSAKANE, 1550 - *Sithole*
165. Matodzi Edward Madzena- 641002 5477 089 -Stand No 918, TSHAULU, 0987 - *Matodzi*
166. Veronica Dineo Maholobela- 750909 0313 084 -Stand No 412, Greenvally, ACORNHOEK, 1360 - *Thulare*
167. Phuti Maureece Ramaite- 840608 5663 087 -P O Box 743, JUNO, 0748 - *Mailula*
168. Pegedi William Kgafane- 870522 6012 082 -P O Box 4721, HLAGATSE, 0737 - *Matsimela*
169. Nhlahla Luthuli - 980711 5568 080 - Ezindophi Reserve, ESHOWE, 3815 - *Ngema*
170. Lebohang Neo Khanye - 980831 5635 083 - 17 Mark Street, VILLIERS, 9830 - *Tsotetsi*
171. Muntu Robinn Lukhele - 980624 1175 083 - Stand No 180 A, Block C Trust, KOMATIPOORT, 1340 - *Dlamini*
172. Andile Lungani Mathunjwa - 980907 6420 087 - Mpumazi Area, ESHOWE, 3815 - *Ndlela*
173. Nosipho Chappelo Sishwili - 990114 1140 087 - P O Box 852, NONGOMA, 3950 - *Nxumalo*
174. Nduduzo Mthimkhulu - 970529 5972 082 - Mawudla Area, ESHOWE, 3815 - *Mbambo*
175. Karabo Keabetswe Ramarumo - 900308 5324 080 - 27 A Kersieboom Street, Ormonde, JOHANNESBURG, 2190 - *Nkwe*
176. Jabu Kleinboo Ntuli - 731204 5571 082 - No 8057, Extension 5, MHLUZI, 1053 - *Msiza*
177. Amos Vusumuzi Mabena - 620720 5754 083 - No 7382/37, SOSHANGUVE, 0152 - *Nkosi*
178. Bhuki Joyce Shoba - 691218 0286 080 - House No 305, Extension 5, KWA-GUQA, 1073 - *Mahlangu*
179. Alfredo Matea - 711225 5830 081 - Stand No 183, Matshipe, SIYABUSWA, 0472 - *Mokone*
180. Sifiso Mthembu - 860829 5619 086 - Mvuzane Area, ESHOWE, 3815 - *Mlaba*
181. Siyabonga Zungu - 850923 6386 084 - Okhukhu Area, MAHLABATHINI, 3838 - *Madinana*
182. Bhokokwakhe Mthembu - 850125 5743 089 - Mvuzane Reserve, ESHOWE, 3815 - *Mlaba*

183. Bongiwe Princess Zungu - 850923 1495 088 - Okhukhu Area, MAHLABATHINI, 3865 - *Madinana*
184. Khulekani Siyabonga Ngema - 850902 5807 084 - P O Box 6, ULUNDI, 3838 - *Nkosi*
185. Nongcebo Bongephiwe Ngema - 870410 0750 081 - P O Box 6, ULUNDI, 3838 - *Nkosi*
186. Njabulo Duncan Mthembu - 831019 5499 087 - Mvuzane Area, ESHOWE, 3815 - *Mlaba*
187. Thembi Mthembu - 850125 0696 084 - Mvuzane Area, ESHOWE, 3815 - *Mlaba*
188. Sihle Brenda Hlabangwane - 820616 0597 089 - 211 Kanyamazane, MBIBANE, 0449 - *Ndala*
189. Dumsani Sthembiso Ndlovu - 870321 5927 089 - L 853 Sibisi Road, KWAMASHU, 4359 - *Ntshalintshali*
190. Pule Phineas Mankga - 890315 5593 087 - 1309 G Lithuli Park, SESHEGO, 0742 - *Manyatsa*
191. Basimane Mothibe - 840709 5770 086 - Gapodile, TUBATSE, 1150 - *Phelane*
192. Monneng Elmon Moropa - 540117 5368 088 - Longtil, Steelpoort, PRAKTISEER, 1150 - *Masehlele*
193. Mpho Innocentia Tapa - 830228 0497 084 - 1947 Sethebe Street, EVATON, 1984 - *Mmono*
194. Luyanda Tshapha - 980909 5660 085 - Deyi, UMZUMBE, 4220 - *Cele*
195. Peter Sonki Maphosa - 950119 5084 080 - 5561 Hawai Crescent, Extension 5, Cosmo City, RANDBURG, 2170 - *Ndlovu*
196. Yuzaine Ashwill Frans - 990624 5277 081 - 10 Gaoka Street, Bayview, STRANDFONTEIN, 7798 - *Philander*
197. Dumisani Mputa - 790104 5375 088 - 114 Nu 10, MDANTSANE, 5219 - *Mbete*
198. Thozamile Sidney Yengeni - 580704 5463 083 - 82 Freemantle Street, Kwa-Nobuhle, UITENHAGE, 6242 - *Mbunge*
199. Margaret Eliza Morta - 690223 0284 086 - 6 Andromeda Close, Rocklands, MITCHELLS PLAIN, 7789 - *Chothia*
200. Rampesi Gitney Mokoena - 970518 5704 082 - 1114 Thabana, WITSIESHOEK, 9870 - *Lenkwe*
201. Bucks Samuel Ndlovu - 780220 5312 087 - Shatale Trust, MHALA, 1365 - *Mohlala*
202. Nduduzo Bhekizenzo Dlamini - 890120 6090 087 - P O Box 629, MBAZWANA, 3974 - *Nxele*
203. Siyabulela Pontsi - 760526 5658 087 - 7 Sibakulu Street, Kamvelihle, MOTHERWELL, 6211 - *Moyikwa*
204. Wiseman Arnold Sbongiseni Zondi - 830420 5752 080 - 3054 Solomon, GREYTOWN, 3250 - *Mhlongo*
205. Albert Masego Mogapi - 831214 5426 087 - House No 503, Unit 1, MOGWALE, 0314 - *Sibanda*
206. Nolvuyo Majyolo - 821119 0976 089 - 79 Ntutyana Street, Ilitha Park, KHAYELITSHA, 7784 - *Singaphi*
207. Buyisile Nicholas Makoki - 611020 5645 089 - 18 Makhotshamela Street, Kwa-Nobuhle, UITENHAGE, 6242 - *Mthimkhulu*
208. Boyboy Gaelae - 511010 6022 082 - 10004 Obakeng, MADIKWE, 2840 - *Nkele*
209. Innocent Xolani Cele - 830604 5958 082 - House No 628, O.R. Tambo, INCHANGA, 3730 - *Mntungwa*
210. Zandile Promise Ndaba - 871130 1168 088 - Verdrift, DANNHAUSER, 3080 - *Zwane*
211. Nontokozi Mthembu - 871224 1458 084 - Mpumuza Location, PIETERMARITZBURG, 3201 - *Madonda*
212. Wiseman Sithembiso Lutango - 710204 5387 088 - North Crest, UMTATA, 5099 - *Nightingale*
213. Thabiso Peea Molefe - 840528 5852 086 - Stoffelton Location, IMPENDLE, 3227 - *Mokoena*
214. Nompilo Shella Madlala - 790310 0631 082 - 820 Vilakazi Drive, Sobanto, PIETERMARITZBURG, 3200 - *Cele*
215. Thomas Willem Dhlamini - 891007 5963 084 - 3573 Extension 6, Sakhile, STANDERTON, 2430 - *Mgaga*
216. Perry Alphios Mpofana - 570529 5426 083 - Ocweweni Location, Ward 4, Kwamachi, HARDING, 4680 - *Nciki*

217. Nhlakanipho Aubrey Ngwenya - 961003 5803 086 - 389 Mlaba Street, VOSLOORUS, 1475 - *Nhlengethwa*
218. Mpho Ndlovu - 901023 0226 086 - 239 Mathobela Street, Skosana Section, KATLEHONG, 1431 - *Hlalele*
219. Khodani Bridgette Nemaangani - 990703 0673 088 - P O Box 1237, MAKHADO, 0920 - *Mahangani*
220. Mhlengi Nkabinde - 951205 5909 084 - Sweetwaters Location, PIETERMARITZBURG, 3200 - *Ngcobo*
221. Nompumelelo Siphesihle Mtetwa - 990120 1474 087 - Mduku Area, HLUHLUWE, 3960 - *Nyawo*
222. Sibusiso Blessing Zondi - 950916 5782 088 - 1112 Majola Road 25, Chesterville, DURBAN, 4001 - *Ndaba*
223. Talent Mongezi Dhlamini - 960825 5969 082 - Stand No 1988, THULAMAHASHE, 1365 - *Selowe*
224. Thabang Donald Mofokeng - 990627 6106 084 - 2859 Tsweleng, WOLMARANSSTAD, 2630 - *Mohanoe*
225. Walter Phadishi Letageng - 930226 5557 083 - 1733 Jan Lion Cachet Street, Extension 8, Duvha Park, WITBANK, 1035 - *Chego*
226. Calvin Sebetha - 920811 5964 082 - 7852 Zone 1, Winnie Mandela, CENTURION, 0140 - *Mangwale*
227. Lungelo Terence Mhlongo - 900821 5607 080 - 10 Trenthill Place, Hillgrove, NEWLANDS WEST, 4037 - *Sangweni*
228. Lathiswa Sidubulekana - 950804 1338 081 - 55 – 687 Kuyasa, KHAYELITSHA, 7784 - *Palele*
229. Asandiswa Rasai - 981206 0440 087 - Dt 816 Site C, Nyandeni Street, KHAYELITSHA, 7784 - *Gqomo*
230. Siphon Thulani Zwane - 910314 5923 085 - 3275 Extension 22, BETHAL, 2310 - *Ngwenya*
231. Kobela Kopano Goeieman - 971228 0241 085 - 100 Cerise, 106 Clayton Street, Monavoni, CENTURION, 0140 - *Matjekana*
232. Gerald Witbooi - 790202 5391 087 - 406 Injabulo Street, River Park, ALEXANDRA, 2090 - *James*
233. Sifiso Mvambi - 830523 5607 087 - L 434 Khamlamazu Road, UMLAZI, 4031 - *Ngcobo*
234. Bulelani Vuzane - 811126 5597 085 - 33 – 858 Gaya Street, HARARE, 7784 - *Yena*
235. Sibusiso Goodman Nyawo - 670530 5540 088 - Makhowe Area, HLUHLUWE, 3960 - *Songca*
236. Petros Nkosinathi Nkosi - 780827 5863 081 - 1709 New Town, MHLUZI, 1053 - *Mamabolo*
237. Mfundo Mlingani Cele - 760808 5462 086 - Cornfields, ESTCOURT, 3310 - *Nzuza*
238. Thabo Patrick Mokhari - 720517 5757 085 - Private Bag X2249, VHEMBE, 0970 - *Mathoho*
239. Malusi Shadrack Tuswa - 940429 5746 080 - Ngababa Location, Mkhomaas, PORT SHEPSTONE, 4240 - *Mkize*
240. Tshipetho Tshillo - 930211 5989 080 - M 79 Orol Street, Extension 2, DIEPSLOOT, 2189 - *Mulaudzi*
241. Mluleki Blessing Khowa - 950205 5664 086 - Kwa Mphelwa, IZINGOLWENI, 4260 - *Nyawose*
242. Jeremiah Matlawe - 640802 5679 084 - 224 Block Dd, Tau Street, SOSHANGUVE, 0152 - *Makgata*
243. Molefinyana Isak Mokoena - 701201 5588 088 - 727 Metdimaholo Location, ORANGEVILLE, 1995 - *Khumalo*
244. Lindela Maqhina - 980827 5994 082 - Saki Location, MIDDLEDRIFT, 5685 - *Rasi*
245. Lungani Zuma - 980531 5836 083 - Haza Location, MERRIVALE, 3291 - *Mchunu*
246. Mandisa Truelove Nxumalo - 980911 0444 085 - 070491 Umzinyathi Area, TONGAAT, 4342 - *Mdima*
247. Queen Dimakatso Maesela - 981202 1046 080 - Stand No 101, MOROKE, 1124 - *Ntoampe*
248. Thabang Jean-Claud Mokwana - 971021 6215 082 - Stand No 277, MATSHIDING, 0472 - *Monareng*
249. Ayanda Simphiwe Mbonambi - 900921 6288 086 - H 555 Alison Road, UMLAZI, 4031 - *Khambule*
250. Gopolang Isaac Moreosele - 990404 5790 080 - 1346 Block C, MABOPANE, 0190 - *Siko*

251. Lesego Maphangela - 970624 5996 080 - No 10030, Phadima Village, MAHIKENG, 2745 - *Mokoetsi*
252. Masego Maphangela - 970624 1012 080 - 10030 Phadima Village, MAHIKENG, 2745 - *Mokoetsi*
253. Masakhana Ntantala - 870527 6225 089 - Mawusheni A/A, TSOMO, 5400 - *Mlotya*
254. Tshegofatso John Qotwana - 871005 5267 088 - 6958 Extension 12, JOUBERTON, 2574 - *Molefe*
255. Falakhe Mathiki Hlophe - 681229 5455 085 - Kwa-Hlophe Area, NDWEDWE, 4450 - *Shangase*
256. Rinae Maumela - 931219 5954 086 - Stand No 271, Mashau Village, ELIM, 0943 - *Mutavhatsindi*
257. Ripfumelo Remember Maluleke - 960621 5480 083 - Stand No 195, Bungeni Village, ELLIM, 0960 - *Ntshani*
258. Sihle Mkhize - 960905 5990 088 - Kwanyuswa, BOTHAS HILL, 3660 - *Msomi*
259. Paulus Frans Phetla - 720612 6560 081 - 73 Extension 2, Mahube Valley, MAMELODI EAST, 0122 - *Mokhothu*
260. Elias Tshupo Motsamai - 880126 5540 081 - 10172 Tlapeng Village, MAHIKENG, 2745 - *Dinao*
261. Moeketsi Emmanuel Sello - 820729 5525 086 - 30125 Phatsima Section, BODIBE, 2741 - *Rakhoabe*
262. Tinah Merriam Nhlapo - 790301 0908 083 - Private Bag X1012, ATAMELANG, 2732 - *Matlala*
263. Samantha Mbali Mbonani - 951116 0315 088 - 8185 Mba & Stevekgame, Extension 2, DOBSONVILLE, 1863 - *Mthimkulu*
264. Themba Abel Mangali - 970728 5215 084 - 3906 Zone 12, SEBOKENG, 1983 - *Mazibuko*
265. Olwethu Kegomoditswe Hangana - 950409 5113 082 - 6534 Mkhwanazi Street, Extension 5, Chiawelo, SOWETO, 1717 - *Diale*
266. Bongeka Ncazela - 910530 0254 081 - Ntlonze Village, COFIMVABA, 5380 - *Moli*
267. Max John Swartz - 970121 5228 085 - 36 C Parkwood Avenue, Parkwood, WYNBERG, 7824 - *Amansure*
268. Yanela Nduna - 950806 5946 082 - K 2357853 Site B, KHAYELITSHA, 7525 - *Pamla*
269. Thabiso Thamane - 950729 5512 086 - 4187 Zone 1, ZONKIZIZWE, 1432 - *Matentsi*
270. Lucky Makhubu - 741103 5418 088 - 222 Extension 2, EVANDER, 2280 - *Khumalo*
271. Ishmael Makgobatlou - 840522 5778 086 - Gawula Village, GIYANI, 0826 - *Shiburi*
272. Morris Petrus Mashiloane - 860811 5298 087 - K 36 Kanana, Mzoni, BETHAL, 2310 - *Maila*
273. Lerato Abigail Mametse - 810226 0575 085 - Magobadingi, DRIEKOP, 1129 - *Thobejane*
274. Sihle Mbali Ndlovu - 990608 0736 084 - Ezindlozi, ESHOWE, 3815 - *Gazu*
275. Duncan Tumelo Ephane - 990310 5354 084 - 2626 Sehlakwane, GROBLERSDAL, 1047 - *Pule*
276. Bhekumuzi Pat Ndhala - 971220 5498 083 - Stand No 147, MAHUSHU, 1253 - *Dube*
277. Wisdom Welcome Mkhwanazi - 981007 5659 089 - 1091 Mbuli Street, TSAKANE, 1548 - *Bhembe*
278. Thabiso William Nkosi - 931008 5916 082 - Stand No 808, Nhalzatshe No 2, ELUKWATINI, 1192 - *Mhlanga*
279. Emmanuel Nkosinathi Masimula - 900822 5780 083 - 30024 Zakheni, KWAMHLANGA, 1022 - *Nduli*
280. Kamogelo Surprise Mabena - 971203 5159 087 - No 408, Monjaneng, TEMBISA, 1628 - *Masemola*
281. Given Sphiwe Masuku - 840228 5938 080 - 457 Adcock Avenue, Gezina, PRETORIA, 0001 - *Legodi*
282. Pamela Sibongile Masombuka - 890622 0457 089 - 4685 Mogwera Street, Extension 2, NELLMAPIUS, 0122 - *Mahlangu*
283. Lungile Pius Phooko - 851003 5368 083 - 1490 Motsatsi Street, Extension 3, RATANDA, 1441 - *Mntungwa*
284. Mandla Simon Nkosi - 800223 5631 080 - Stand No 1636, Badplaas, DLAMINI, 1190 - *Nhlabathi*

285. Ephraim Sicelo Tembo - 780806 5761 081 - 48 Ithambo Avenue, MALUKAZI, 4110 - *Majozi*
286. Nkanyiso Douglas Shangase - 871006 5897 080 - V 1026, UMLAZI, 4031 - *Ndlovu*
287. William Keitumetse Monareng - 910304 5661 082 - 7715 Extension 3 B, SOSHANGUVE, 0152 - *Kodisa*
288. Abongile Buda - 970419 0600 088 - Mthombeni Butchery, Private Bag X52570, UMTATA, 5099 - *Mbusi*
289. Alex Ncedo Mashaba - 980223 5730 082 - Stand No 1691, STEENBOK, 1347 - *Lusibane*
290. Jan Joseph Mzwathi - 931029 5763 084 - Stand No 6166, Extension 4, DELMAS, 2210 - *Masango*
291. Jeffrey Mtshali - 830519 5635 086 - 1313 Mussel Cracker, Extension 1, LAWLEY, 1824 - *Mabaso*
292. Sebolawang David Mathibela - 681230 5406 086 - 14 Charles Sloaet Avenue, Peace Haven, VEREENIGING, 1930 - *Ramotsoeli*
293. Lehlohonolo Ferdinand Mokhothu - 840517 5970 089 - 4686 Zone 7, FICKSBURG, 9730 - *Lebitsa*
294. Koos Tsieko Sithole - 890903 5481 088 - 66 Main Street, Venterspost, WESTONARIA, 1780 - *Rossouw*
295. Papi Rapelang Medupe - 980301 5257 080 - 162 Tsetse Section, Rankotea, BRITS, 0250 - *Pelo*
296. Philani Blessing Mdletshe - 840213 5140 085 - G 692 Ufelaphakathi Road, KWA MASHU, 4360 - *Mnguni*
297. Motsamai Johannes Moeti - 700123 5463 081 - 10426 Verdwaal 2, ITSOSENG, 2744 - *Kubelo*
298. Mpho Marime - 810204 5827 082 - 1723 B Section 6, LEFATLHENG, 0403 - *Matjeke*
299. Mohale Patrick Mokoena - 851228 5356 081 - 1252 Polokong, SEBOKENG, 1983 - *Tau*
300. Refiloe Sirenqe - 960209 0230 081 - 19412 Zone 14, SEBOKENG, 1982 - *Mohono*
301. Mbalenhle Precious Malefe - 920318 0410 087 - 8163 Dove Street, ETWATWA, 1519 - *Thela*
302. Aubrey Mahlangu - 850110 6575 086 - 20874 Buffer Zone, MAMELODI EAST, 0177 - *Mokonyane*
303. Mahlatsi Maleka - 920423 5399 085 - 32941 Tshukudu Street, Extension 12, MAMELODI EAST, 0122 - *Boshielo*
304. Nompumelelo Pearl Mondlane - 950730 0575 086 - 65 Makhulong Section, TEMBISA, 1632 - *Tshabalala*
305. Bongani Ronald Maseko - 900504 5648 086 - 2909 Raymond Makwakwa Street, WITBANK, 1035 - *Hlophe*
306. Nkululeko Percyvale Radebe - 980913 5428 089 - Mgangeni Area, INANDA, 4310 - *Mlaba*
307. Zithulele Khanyisile Limba - 820624 5491 084 - 1768 Sikhethale Street, Sileme View, KATLEHONG, 1432 - *Zondeka*
308. Lihle Yolanda Nduli - 970810 0341 089 - 178 Kilkenny Close, Bonella, MAYVILLE, 4058 - *Nombela*
309. Smiso Xulu - 990616 5975 086 - Matimatolo Area, GREYTOWN, 3250 - *Ngubane*
310. Saziso Nxumalo - 970926 5885 084 - 4818 Mphophomeni Township, HOWICK, 3290 - *Duma*
311. Lungelo Thamsanqa Khowa - 971119 5543 080 - Umzinyathi Area, INANDA, 4310 - *Ndlovu*
312. Nonkululeko Angeline Motsoeneng - 900929 0246 083 - 7985 Kanana, SEBOKENG, 1983 - *Ndobe*
313. Siphokazi Vayise - 960407 1252 084 - No 2187, Mazulini Smash Block, THABAZIMBI, 0380 - *Mbi*
314. Joké Danielle Alice Venter - 981022 0089 083 - 8 Vleis Street, HENNENMAN, 9445 - *Lehanie*
315. Dyanti Huisamen - 950712 0083 089 - 31 Suikerbekkie Street, Joostenberg Vlakte, BLOEMFONTEIN, 9300 - *Mentz*
316. Londiwe Samanzi Phutini - 980326 1220 089 - J 1488, UMLAZI, 4031 - *Phuthini*
317. Nobuhle Philile Hlongwa - 970204 0633 085 - 2750 Khulula North, NEWLANDS WEST, 4037 - *Mdletshe*
318. Ndumiso Msawenkosi Mthokozisi Gift Buthelezi - 980721 5213 082 - J 1 – 744 Gwalagwala, ESIKHAWINI, 3887 - *Mthethwa*



319. Spheisihle Gwamanda - 981125 5789 084 - Empolweni Reserve, PIETERMARITZBURG, 3200 - *Ncube*
320. Tebogo Sekati - 960319 0067 084 - 88 Johannesburg Road, Unit 4, Gabienne Mews, LYNDHURST, 8301 - *Mofokeng*
321. Moloantsoa Joseph Mantlhoa - 930603 5503 087 - 626 Rdp, Matlelerekeng, PRETORIA, 0001 - *Sithole*
322. Londiwe Precious Dlamini - 941027 1110 084 - Hlathiwini Area, ESTCOURT, 3310 - *Ndlovu*
323. Malibongwe Mthethwa - 980513 6044 081 - Mevamhlophe Reserve, EMPANGENI, 3910 - *Mkhwanazi*
324. Philisiwe Mntungwa - 970501 1214 082 - P/ 3 No 78, Pakkiesi, COPESVILLE, 3254 - *Zondi*
325. Minenhle Ndlovu - 980117 6014 084 - 19 Primrose Road, Northdale, PIETERMARITZBURG, 3201 - *Dube*
326. Pittwell Phakamile Qoza - 600611 5615 081 - 51872 Dice Street, Reeston, Wilsonia, EAST LONDON, 5200 - *Nobatyi*
327. Sinethemba Simangalis Mthembu - 981024 5807 089 - Shikishela Area, MTUBATUBA, 3935 - *Mhlongo*
328. Bheki Danda Gumede - 900630 6292 085 - Clere Estate, 1094 Quarry Road, DURBAN, 4023 - *Khumalo*
329. Siphwe Pretty Masilela - 990308 1263 085 - 0078 Marothobolong, MKOBOLA, 0458 - *Mabena*
330. Claudia Nomcebo Ndlovu - 970826 0598 080 - 755 Storom Fall Avenue, HAZYVIEW, 1242 - *Mokoena*
331. Sithembile Lizwe Ngcobo - 941213 5991 089 - Luphepheni Location, HIGHFLATS, 3306 - *Shezi*
332. Nokwanda Princes Msimanga - 981103 0491 089 - 852 – 19th Street, NEWLANDS WEST, 4037 - *Kunene*
333. Maphuti Marcus Sekwakwa - 980930 5131 083 - 252 C Mzombana, MOKOPANE, 0600 - *Lamola*
334. Kemorapetse Thato Seripe - 960502 0477 086 - House No 3119, Unit 8, MOGWALE, 0314 - *Oageng*
335. Muzi Shedrack Moroke - 790521 5509 087 - 102 Italian Road, Newlands, JOHANNESBURG, 2092 - *Manana*
336. Dean Anton Roestof - 920924 5114 085 - 6 Mostert Street, Naudiaville, WELKOM, 9459 - *Famdell*
337. Ntsikelelo Mkhize - 980525 5302 088 - Manonga Location, PORT SHEPSTONE, 4240 - *Mnguni*
338. Thabiso Kenneth Maleho - 970526 5536 081 - 17051 No, MARABASTAD, 0002 - *Ndala*
339. Floyd Lucious Mokua - 950923 5377 083 - 258 Blaigorie Section, RUSTENBURG, 0310 - *Katane*
340. Lunga Ngedle - 960405 5783 088 - 1431 Old Location, UGIE, 5470 - *Stemela*
341. Oumach Ubisi - 960802 5077 083 - P O Box 593, BUSHBUCKRIDGE, 1280 - *Chiloane*
342. Solomon Tebogo Sepotokele - 970316 5187 089 - 46 Flametree Street, KAREN PARK, 0118 - *Makhatsywa*
343. Masego Millicent Dithole - 950424 0526 089 - 774 Phase 4, Seraleng, RUSTENBURG, 0300 - *Mataboge*
344. Alfred Manabela - 490603 5510 084 - 11419 Mtipa Street, ORLANDO WEST, 1804 - *Khumalo*
345. Makhosonke Given Dlamini - 880726 5710 087 - 11839 Mtipa Street, ORLANDO WEST, 1804 - *Mhlophe*
346. Prince Vusimuzi Mafu - 861223 5557 083 - House No 1054, LULEKANI, 1392 - *Puggens*
347. Chennattuparambil Kurian Chennattuparambil - 490605 5724 086 - 25 Weyer Street, PHALABORWA, 1390 - *Joseph*
348. Mosima Ramadimetja Motlhaka - 340120 0260 088 - 10030 Rammetlwana, MOLETJIE, 0709 - *Rathokolo*
349. Lina Nontombi Mxabo - 510423 0589 082 - 58903 Site C, KHAYELITSHA, 7784 - *Diko*
350. Thabo Alfred Matlhare - 790927 5704 083 - House No 293, Pote Section, MONAKATO, 0229 - *Magano*
351. Dikeledi Onicah Matlhare - 721011 0735 089 - House No 293, Pote Section, MONAKATO, 0229 - *Magano*
352. Sekomikhana Lina Matlhaela - 370127 0209 083 - 14605 Motlape Street, ATTERIDGEVILLE, 0008 - *Mokoma*

353. Ramapo Office Mothepu - 700703 5830 080 - House No 20422, SHONGOANE, 0607 - *Mosime*
354. Maleabuse Vincent Legomo - 820226 6034 085 - P O Box 11, PAULUSWEG, 0814 - *Madula*
355. Monwabisi Mjamba - 801105 5632 086 - Zixholosini A/Area, NGQELENI, 5140 - *Sixiba*
356. Shongile Protesia Makhathini - 631227 0897 088 - No 1348, KWAMAKHUTHA, 4126 - *Mncwabe*
357. Matechara Joseph Molaudzi - 540416 5570 085 - No 1453, Botlokwa, PHALABORWA, 1390 - *Rambau*
358. Sipho Joseph Kasayi - 880829 6241 084 - 3993 Extension 7, Movhango, BOPHELONG, 1913 - *Miya*
359. Mzikayise Abel Dlamini - 691003 5806 086 - C Section, Wembezi, ESTCOURT, 3310 - *Mazibuko*
360. Bekinkosi Sindane - 461015 5196 084 - Springvale Location, HIGHFLATS, 3306 - *Khoza*
361. Bongani Redds Nkosi - 780619 5558 088 - 137 Isivana, THEMBISA, 1632 - *Mthembu*
362. David Happy Mtshweni - 891225 5359 083 - 35 Block H, SOSHANGUVE, 0152 - *Mokhondo*
363. Evans Mamaila - 841020 5905 089 - P O Box 5149, MOLOTOTSI, 0827 - *Motseo*
364. Ben Thebe - 890920 6394 086 - 1151 Block G, SOSHANGUVE, 0152 - *Mabitsela*
365. Mosiwa David Sello - 840514 5295 088 - 30125 Phatsimo Section, BODIBE, 2741 - *Rakhoabe*
366. Bhekithemba Fano Chamane - 661125 5804 088 - Ntshawini Area, KWADUKUZA, 4450 - *Ndimande*
367. Noluthando Ethelina Ngezana - 700820 0484 083 - 58 A Gemtoos Drive, Extension 4, NORKEM PARK, 1618 - *Miya*
368. Levy Rantlakeng Lekalakala - 640505 5623 081 - 2395 Block Gg, SOSHANGUVE, 0152 - *Ngako*
369. Tebogo Collin Radebe - 830406 5766 089 - 343 Tsepo Section, TEMBISA, 1632 - *Komane*
370. Mashudu Thomas Malema - 810303 6509 085 - 04 Henkeldoring Street, Edleem, KEMPTON PARK, 1620 - *Legau*
371. Zakhele Rakere Ledwaba - 840915 6042 082 - 1593 Extension 1, Elangeni Street, TOKOZA, 1421 - *Ngwekazi*
372. Eric Velile Nhlangothi - 841110 5248 083 - B 12 Rooms, Besuthwini Hostel, VOSLOORUS, 3100 - *Mazwai*
373. Vusi Sanele Dlamini - 890720 5980 087 - 13 Rochester Street, Crown Gardens, JOHANNESBURG, 2091 - *Mthethwa*
374. Godfrey Moeketsi Sekwati - 861230 5917 084 - 550 Zulu Section, LEDIG, 0338 - *Maseko*
375. Thabiso Johannes Motshodi - 840812 6329 082 - 4915 Braamfisher Ville, SOWETO, 1724 - *Aphane*
376. Dingaan Fanie Mavimbela - 620529 5438 088 - No 1901, KWAGGAFONTEIN, 0458 - *Mthimunya*
377. Joyce Nomvula Mtshweni - 830228 1042 087 - 141 Verina C, KWAGGAFONTEIN, 0458 - *Mahlangu*
378. Adelaide Nkadameng - 730113 0583 086 - Stand D 39, Maganeng, DENNILTON, 0472 - *Sebothoma*
379. Ishmael Odirile Segoe - 800225 5289 082 - 285 Phomolo Street, Borolelo Location, SWARTRUGGENS, 2835 - *Modibedi*
380. Nelly Mashiane - 880314 0403 089 - No 269, Vries, MKOBOLA, 0458 - *Mbonani*
381. Christopher Senalane - 871128 5775 080 - 520 King Street, PABALELLO, 8801 - *Mgcawu*
382. Derick Xolani Phewa - 750505 6057 087 - Intake Road, MARIANNHILL, 3610 - *Cele*
383. Emihle Ndongeni - 970707 5691 080 - Mgungundlovu, MT FRERE, 5090 - *Ngqasa*
384. Lunga Thusi - 910919 5187 083 - 26 Lawcing, 12 Kings Road, PINETOWN, 3610 - *Mhlongo*
385. Lerato Lepheana - 981216 0837 083 - Nchodu Location, MATATIELE, 4730 - *Jafta*
386. Musawenkosi Mgcini Shangase - 980315 5633 082 - Wosiyane Area, NDWEDWE, 4342 - *Nzama*

387. Andile Samuel Khumalo - 970707 6515 080 - N 119, UMLAZI, 4031 - *Mqadi*
388. Thamsanqa Thami Gumede - 970706 5693 088 - P O Box 14, MBAZWANA, 3974 - *Shange*
389. Fhulufhedzani Khorombi - 960104 6320 087 - Gokolo, VHEMBE, 0970 - *Lidzhade*
390. Malose Solomon Machaka - 981105 5688 080 - No 20 Monama Street, ROEDTAN, 0580 - *Lebelo*
391. Vuyisile Robin Radebe - 950917 5412 080 - Stand No 832, DENNILTON, 1030 - *Majola*
392. Thabang Lehihi - 970608 5357 088 - 218 Koloi Street, SCHWEIZER REINEKE, 2780 - *Moamogwa*
393. Luzandre Mc Cloen - 980128 0280 084 - 28 Timmerman Street, POTCHEFSTROOM, 2531 - *May*
394. Tlamelo Vincent Tshilo - 980811 6211 084 - 40450 Cokonyane Village, TAUNG, 8584 - *Kujane*
395. Calvin Ngwatoana - 981011 5787 080 - 3975 / 47 Mahube Valle, Extension 3, MAMELODI EAST, 0122 - *Seloana*
396. Sipiwe Ndlovu - 790715 6257 080 - Thengani Area, KWANGWANASE, 3973 - *Mlungwana*
397. Tebogo Moloto - 920427 1463 084 - 1732 Msimang Street, ORLANDO EAST, 1804 - *Ntuli*
398. Thembela Maki - 910920 6612 087 - Qokolweni, UMTATA, 5099 - *Dukada*
399. Pumza Meke - 890808 1096 089 - 65 Slovo Park, Nu 6, MDANTSANE, 5219 - *Mhlawuli*
400. Thabo Johannes Matlala - 850904 5368 083 - 745 Moteti C, MOTETI, 0477 - *Lepota*
401. Nato Luckyboy Kuduntwane - 741127 5242 081 - Mokareng, TAUNG, 8584 - *Phiri*
402. Ayanda Ntlanla Mijji - 790615 5594 089 - 1325 Masingafi Street, Zondi I, SOWETO, 1868 - *Lunga*
403. Thobile Masithini Peter - 671115 5778 083 - Brakloof Village, QUEENSTOWN, 5320 - *Manana*
404. Lindelani Ntuli - 871128 5707 083 - Magwaveni Area, TONGAAT, 4399 - *Zungu*
405. Thobile Mabena - 960226 0284 082 - 878 Bendile Road, JABULANI, 1868 - *Motha*
406. Tshwana Rebecca Nhlapo - 720224 0774 088 - Private Bag X1012, ATAMELANG, 2732 - *Matlala*
407. Nozipho Nombuyiselo Sabani - 940503 1463 088 - P O Box 184, NQUTU, 3817 - *Ngubane*
408. Nombuyekezo Matanzima - 971026 1020 080 - Zinduneni A/A, NGQELENI, 5140 - *Doli*
409. Knowledge Lwazi Mazibuko - 771212 6069 080 - B 1243, UMLAZI, 4031 - *Ngcobo*
410. Rencia Balungile Dlamini - 780301 0923 084 - Cabhane Location, PORT SHEPSTONE, 4220 - *Mkhize*
411. Margaret Thokozile Matsabisa - 750522 0845 086 - P O Box 199, CREIGHTON, 3263 - *Mtolo*
412. Nkosinathi Henry Sithole - 730119 5450 080 - 810 Madiba Road, MOLWENI, 3653 - *Mkhize*
413. Nhlanhla Bethuel Linda - 851005 6437 080 - 05 Simunye Street, CHESTERVILLE, 4091 - *Shandu*
414. Itumeleng Patrick Malekanyo - 770718 5399 089 - 1709 Mokgareng Village, TAUNG, 8584 - *Ratlhaga*
415. Lerato Pretty Ngwato - 940330 0269 088 - 55 Letsoalo Street, ATTERIDGEVILLE, 0152 - *Letsoalo*
416. Katleho Ndlovu - 970117 0180 081 - 239 Motnobelo Street, KATLEHONG, 1431 - *Hlalele*
417. Mutshinya Nemaangani - 951212 0945 089 - P O Box 1237, MAKHADO, 0920 - *Mahangani*
418. Ayanda Gwetyana - 930803 6421 087 - 47 Umbilo Road, DURBAN, 4001 - *Kuzwayo*
419. Thembinkosi Phineas Gumede - 940925 5486 080 - Esikhawini, EMPANGENI, 3880 - *Mlambo*
420. Glen Khomotso Letageng - 990609 5681 085 - 1733 Jan Lion Cachet Street, Extension 8, Dvvhva Park, WITBANK, 1035 - *Chego*



421. William Tshweu Mbongo - 730817 5934 082 - 16452 Walter Sisulu, ZAMDELA, 1949 - *Motsitsi*
422. Avhasei Albert Malise - 691025 6026 083 - Stand No 160, PHIPHIDI, 0970 - *Nemurangoni*
423. Nhlanhla Khoza - 971218 5155 083 - 10 B Visrivier, MIDDLEBURG, 1050 - *Molepo*
424. Tshililo Marvel Rambau - 970328 6177 084 - Stand No 727, HA-RAVELE, 0920 - *Mamburu*
425. Ashwin Maikoo - 920302 5203 085 - No 6 Barite Place, Copesville, PIETERMARITZBURG, 3200 - *Ramkissoo*
426. Angelo Jantjies - 980809 5309 081 - Plot 79, Andries Street, RIETVLEI, 1739 - *Sibuyi*
427. Thulani Quiet Thabiso Gumede - 990504 5388 080 - P O Box 128, ARNEYLEY, 4230 - *Madlala*
428. Mzamo Freeman Ngubo - 990124 5693 080 - Mafunze Location, ELANDSKOP, 3226 - *Sithole*
429. Sipho Goodman Mtshali - 990223 5555 081 - Sweetwaters Location, PIETERMARITZBURG, 3200 - *Gwamanda*
430. Kelebogile Chipi - 980312 0494 081 - 2416 Bella Donna Avenue, Extension 13, Kosmosdal, MIDRAND, 0152 - *Magagane*
431. Lebone Delight Mobopane - 980910 1460 082 - P O Box 100, ACORNHOEK, 1360 - *Moropane*
432. Kearabilwe Theophilus Mokopi - 960709 5409 085 - 19 Eiland, RUSTENBURG, 0300 - *Moatshe*
433. Tumisang Jacob James Mohale Bojosi - 940301 5539 080 - 209 Kremetart Avenue, Geelhout Park, RUSTENBURG, 0299 - *Makgale*
434. Simphiwe Praise-God Buthelezi - 980727 5827 086 - M 173 Emalangen, HAMMARSDALE, 3700 - *Mtshali*
435. Thembekile Maseko - 800730 0579 080 - 180 Kastaiing Street, WELTEVREDEN PARK, 1709 - *Maistry*
436. Lehlohonolo Maluke - 811022 5841 088 - 667 Segodi Street, Marapong, LEPHALALE, 0556 - *Skenke*
437. Mccolen Siphwe Sibeko - 831123 6088 087 - 1441 Grootvlei Security Estate, Modder B Close, SPRINGS, 1559 - *Zondo*
438. Sipho Petros Dhlamini - 880516 5370 085 - 4746 Masichaba View, Extension 2, DUDUZA, 1496 - *Mabuza*
439. Nimrod Mbongeni Ntombela - 791223 6037 080 - 1963 Mthethwa, Hammanskraal, STINKWATER, 0400 - *Nhleko*
440. Mokgabudi Cicilia Mokgotho - 641215 0822 089 - Shakung, MOROKE, 1154 - *Masete*
441. Morebula Repson Seanego - 850729 5962 084 - P O Box 362, Ramatatane, MOKOPANE, 0638 - *Mpedi*
442. Ndumiso Thabele Kheswa - 870520 5443 084 - Dindi Location, PIETERMARITZBURG, 3201 - *Mkhize*
443. Sifiso Nicholas Mjoko - 791011 5946 082 - Ezwelisha, BERGVILLE, 3350 - *Mchunu*
444. Puseletso Vanessa Selota - 940403 0220 086 - 11 – 6 Avenue, ALEXANDRA, 2090 - *Maswanganye*
445. Mangaliso Allie Madini - 931105 5285 086 - 637 Sefumba Street, Dithake Location, KOFFIEFONTEIN, 9986 - *Mayoba*
446. Nokwanda Julia Zungu - 990813 0241 081 - Gabela Area, TUGELA FERRY, 3010 - *Khanyile*
447. Amstrong Samson Dlamini - 741214 5737 086 - 4369 No, OSIZWENI, 2952 - *Mkhize*
448. Khathutshelo Michael Mphaga - 640210 5062 089 - P O Box 3577, MAKGABO, 0700 - *Sadiki*
449. Makhudu Sam Mamabolo - 490328 5611 084 - 70 Middle Crescent, Westpark, PRETORIA WEST, 0183 - *Letsoalo*
450. Mduduzi Radebe - 761015 5612 087 - 2384 Nyanga Street, Zone 2, Diepkloof, KHOTSO, 1864 - *Mngadi*
451. Pakiso Meshack Mzizi - 830509 5634 080 - 689 Mantshobo Street, BOPHELONG, 1913 - *Mochologi*
452. Thulani Menzi Mathe - 870520 6298 081 - Mamfene Next To Mjindi High School, JOZINI, 3969 - *Gumbi*
453. Agnes Mahlangu - 810318 0710 083 - Unit 9, Block C, Mabitteng Family Units, MAMELODI WEST, 0152 - *Skosana*

## NATIONAL TREASURY

NO. 1016

22 SEPTEMBER 2017

**DETERMINATION OF AMOUNTS FOR PURPOSES OF THE MILITARY PENSIONS ACT, 1976 (ACT 84 OF 1976)**

1. The Minister of Finance has, in terms of the provisions of sections 1 and 5 of the Military Pensions Act, 1976 (Act 84 of 1976), read with section 3 (2) of the Act, determined that, with effect from 1 April 2017—
  - (a) for the purposes of formula I as defined in section 1 of the said Act, factor A of the said formula shall represent an amount—
    - (i) mentioned in the Schedule; or
    - (ii) the amount as determined by the Director-General to a minimum of **R78 128.76** according to which one of the said amounts is the most advantageous to the member:
  - (b) for the purposes of formula II, as defined in section 1 of the said Act, factor C of the said formula shall represent the amount of **R12 968.88** and
  - (c) the gratuity payable to the member who suffers from a pensionable disability which has in terms of the said Act been determined at 10 per cent or less shall be **R8 647.00**;
  - (d) the gratuity payable to a member who suffers from a pensionable disability which has in terms of the said Act been determined at more than 10 per cent but less than 20 per cent shall be **R17 291.00**.
2. All members who are in possession of a three-year bachelor's degree or a matriculation certificate and who have, immediately prior to 1 April 1998, received an amount as contemplated in paragraph 1 (a) of Government Notice No. R.1280 of 3 October 1997 shall receive an amount as set out in the Schedule.
3. Government Notice **No. R 40335 of 7 October 2016** is hereby withdrawn.

**Mr MKN Gigaba, (MP)**  
**Minister of Finance**

**SCHEDULE OF ANNUAL PENSIONS**

Percentage disablement	Basic pension	Matriculation certificate	Three- year bachelor's degree
100 .....	78 128.76	81 080.40	90 391.68
90 .....	70 315.68	72 972.48	81 352.32
80 .....	62 503.56	64 864.80	72 313.92
70 .....	54 690.00	56 756.28	63 274.20
60 .....	46 877.40	48 648.60	54 235.32
50 .....	39 064.80	40 540.68	45 196.44
40 .....	31 251.48	32 432.04	36 156.60
30 .....	23 438.76	24 324.24	27 117.36
20 .....	15 625.56	16 215.96	18 078.24

## NASIONALE TESOURIE

NO. 1016

22 SEPTEMBER 2017

**BETALING VAN BEDRAE VIR DOELEINDES VAN DIE WET OP MILITÊRE  
PENSIOENE, 1976 (WET 84 VAN 1976)**

1. Die Minister van Finansies het kragtens die bepalings van artikels 1 en 5 van die Wet op Militêre Pensioene, 1976 (Wet 84 van 1976), saamgelees met artikel 3 (2) van die Wet, met ingang van 1 April 2017—
  - (a) vir die doeleindes van formule I, soos omskryf in artikel 1 van vermelde Wet, faktor A van bedoelde formule I, 'n bedrag voorstel—
    - (i) die toepaslike bedrag volgens die Bylae; of
    - (ii) die bedrag soos deur die Direkteur-generaal bepaal tot 'n minimum van **R 78 128.76** na gelang van watter een van sodanige bedrae vir die lid die voordeligste is;
  - (b) vir die doeleindes van formule II, soos omskryf in artikel 1 van vermelde Wet, faktor C van bedoelde formule die bedrag van **R12 968.88** voorgestel; en
  - (c) die gratifikasie betaalbaar aan 'n lid wat ly aan 'n pensioengewende ongeskiktheid wat ingevolge vermelde Wet op 10 persent of minder vasgestel is, bedra **R 8 647.00**;
  - (d) die gratifikasie betaalbaar aan 'n lid wat ly aan 'n pensioengewende ongeskiktheid wat ingevolge vermelde Wet op meer as 10 persent en minder as 20 persent vasgestel is, bedra **R 17 291.00**.
2. Alle lede wat in besit van 'n driejarige baccalaureusgraad of 'n matrikulasie sertifikaat is en wat onmiddellik voor 1 April 1998 'n bedrag bedoel in paragraaf 1 (a) van Goewermentskennisgewing No. R.1280 van 3 Oktober 1997 ontvang het, moet 'n bedrag soos uiteengesit in die Bylae ontvang.
3. Goewermentskennisgewing **No. R 40335 of 7 October 2016** word hierby herroep.

**Mr MKN Gigaba, (LP)**  
**Minister van Finansies**

**SCHEDULE OF ANNUAL PENSIONS**

Percentage disablement	Basic pension	Matriculation certificate	Three- year bachelor's degree
100 .....	78 128.76	81 080.40	90 391.68
90 .....	70 315.68	72 972.48	81 352.32
80 .....	62 503.56	64 864.80	72 313.92
70 .....	54 690.00	56 756.28	63 274.20
60 .....	46 877.40	48 648.60	54 235.32
50 .....	39 064.80	40 540.68	45 196.44
40 .....	31 251.48	32 432.04	36 156.60
30 .....	23 438.76	24 324.24	27 117.36
20 .....	15 625.56	16 215.96	18 078.24

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1017

22 SEPTEMBER 2017

**GENERAL NOTICE IN TERMS OF SECTION 11A (4) OF THE RESTITUTION OF LAND RIGHTS ACT, NO. 22 OF 1994 (AS AMENDED).**

**WHEREAS** a land claim was lodged by Mr Johannes Motau, which claim was published in terms of Section 11(1) of the Restitution of Land Rights Act, No. 22 of 1994 (as amended), hereinafter referred to as "the Act".

and

**WHEREAS** during further investigation of the land claim in so far as it relates to erf 2250 referred to below, the Regional Land Claims Commissioner, has reason to believe that the criteria set out in Section 11(1)(b) of the Act, has not been met.

**NOW THEREFORE NOTICE** is hereby given in terms of Section 11A (4) of the Act that the notice of the claim previously published in terms of section 11(1) of the Act in Gazette No. 40593, under Notice 93 of 2017, dated 3 February 2017, to the extent that it relates to erf 2250 will be withdrawn unless cause to the contrary is shown to the satisfaction of the Regional Land Claims Commissioner.

The details of the Gazette No. 40593, under Notice 93 of 2017, dated 3 February 2017, relevant for this notice include the following:

**Reference No:** XX 053  
**Claimant:** Mr Johannes Motau  
**Property Description:** See below  
**Total extent:** See below  
**Owner:** See below  
**Date Submitted:** 31 December 1998

No.	Property Description	Extent (sqm)	Land Owner
1	Erf 2250 Garsfontein Ext 8	800	Stephanus Francois and Christa Maria Marais
2	Erf 2251 Garsfontein Ext 8 (consolidated into portion 3558 Garsfontein Ext 8)	6477	Nededitse Gereformeerde Kerk van Transvaal-Pretoria Garsfontein.

The reasons the Regional Land Claims Commissioner believes that the criteria in section 11(1) of the Act may not have been met, is that:

- (a) The claimed land does not extend to erf 2250 Garsfontein Ext 8;
- (b) The claimed land only affects portion of Erven 2251, and 2252 (both erven currently consolidated into portion 3558 Garsfontein Ext 8), Alex Miller Street, and Emmie Hartmann Street of Garsfontein Ext 8.



**MR L H MAPHUTHA**  
**The Regional Land Claims Commissioner**  
Private Bag X 03  
ARCADIA  
0007  
Tel: (012) 310-6500  
Fax: (012) 323-2961



## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1018

22 SEPTEMBER 2017

**GENERAL NOTICE IN TERMS OF SECTION 11A (4) OF THE RESTITUTION OF LAND RIGHTS ACT, NO. 22 OF 1994 (AS AMENDED).**

**WHEREAS** a land claim was lodged by Mr Johannes Motau, which claim was published in terms of Section 11(1) of the Restitution of Land Rights Act, No. 22 of 1994 (as amended), hereinafter referred to as "the Act".

and

**WHEREAS** during further investigation of the land claim in so far as it relates to erf 2250 referred to below, the Regional Land Claims Commissioner, has reason to believe that the criteria set out in Section 11(1)(b) of the Act, has not been met.

**NOW THEREFORE NOTICE** is hereby given in terms of Section 11A (4) of the Act that the notice of the claim previously published in terms of section 11(1) of the Act in Gazette No. 40593, under Notice 93 of 2017, dated 3 February 2017, to the extent that it relates to erf 2250 will be withdrawn unless cause to the contrary is shown to the satisfaction of the Regional Land Claims Commissioner.

The details of the Gazette No. 40593, under Notice 93 of 2017, dated 3 February 2017, relevant for this notice include the following:

**Reference No:** XX 053  
**Claimant:** Mr Johannes Motau  
**Property Description:** See below  
**Total extent:** See below  
**Owner:** See below  
**Date Submitted:** 31 December 1998

No.	Property Description	Extent (sqm)	Land Owner
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The reasons the Regional Land Claims Commissioner believes that the criteria in section 11(1) of the Act may not have been met, is that:

- (a) The claimed land does not extend to erf 2250 Garsfontein Ext 8;
- (b) The claimed land only affects portion of Erven 2251, and 2252 (both erven currently consolidated into portion 3558 Garsfontein Ext 8), Alex Miller Street, and Emmie Hartmann Street of Garsfontein Ext 8.



**MR L H MAPHUTHA**  
**The Regional Land Claims Commissioner**  
Private Bag X 03  
ARCADIA  
0007  
Tel: (012) 310-6500  
Fax: (012) 323-2961

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1019

22 SEPTEMBER 2017

**GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994), AS AMENDED**

Notice is hereby given in terms of section 11(1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) as amended, that a claim for Restitution of Land Rights has been lodged on within R/E of the Kleinfontein 1006 LS situated within the Polokwane Local Municipality, Capricorn District, Limpopo.

The claimant lost rights on 117.45 hectares of the land which is within R/E of the Kleinfontein 1006 LS and R/E of the farm Veerfontein 1004 LS. The claimant has opted for financial compensation as a form of redress as provided for by the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) as amended.

The land claim was lodged by Motsepe Matiga on behalf of Seabela family.

PROPERTY	CURRENT OWNER	TITLE DEED	EXTENT	BONDS AND RESTRICTIVE CONDITIONS
R/E of the Kleinfontein 1006 LS	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	T19821/1937	117.45	Not available
	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	T60599/2001		
R/E of the farm Veerfontein 1004 LS	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	T3134/1895		Not available
	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	T50433/2014		Not available

**Take further notice** that the Office of the Regional Land Claims Commissioner: Limpopo is in a process of settling this land claim. Any party that has an interest in the above-mentioned property is hereby invited to submit in writing within **14** days of publication of this notice, any comment, and/ or objection to this land claim to the Office of the Regional Land Claims Commissioner: Limpopo at the address set out below under reference number **KRP: 479**

Office of the Regional Land Claims Submissions may also be delivered to:

Commissioner: Limpopo  
Private Bag x9552  
POLOKWANE  
0700

First Floor, 96 Kagiso House  
Corner Rissik & Schoeman Streets  
POLOKWANE  
0700



L.H. MAPHUTHA  
REGIONAL LAND CLAIMS COMMISSIONER: LIMPOPO  
DATE: 2017/08/24

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1020

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994) as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Ms. Mthobi Agnes Msibi (Identity No. 410505 0233 082)** on behalf of **Msibi family** on the following property mentioned hereunder situated in **Mkhondo Local Municipality in Gert Sibande District, Mpumalanga Province as per reference KRP 6556.**

## DE HOOP 402 IT

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 2	Thokozane Communal Prop Assoc	T140899/2000	342.6128 ha ( extent of claimed land is 9.1105 ha)	None	None	None

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**

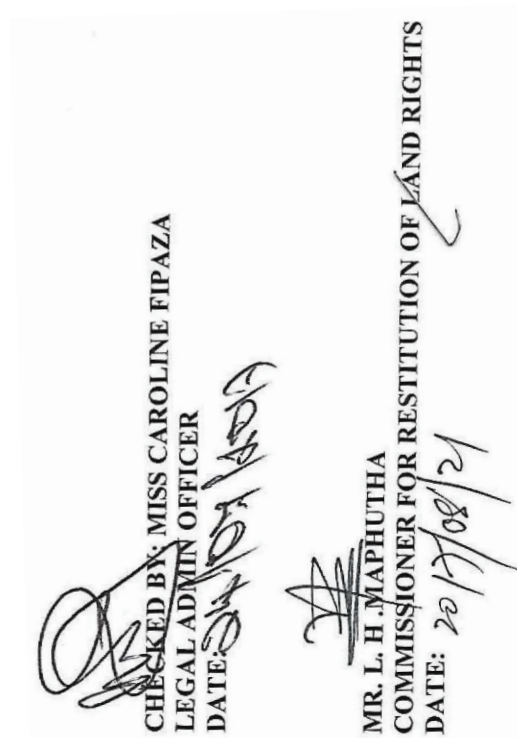
**Or 30 Samora Machel Drive**

**Nelspruit**

**1200**

**Tel No: 013 756 6000**

**Fax No: 013 752 3859**



## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1021

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 [ACT 22 OF 1994] AS AMENDED

Notice is hereby given in terms of **Section 11(1) of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended**, that a **Land claim for Restitution of Land Rights** has been lodged by the **John Johannes Mahlangu i (Identity. NO. 280101 7574 087)** on the property mentioned hereunder situated in Dipaleseng Local Municipality in Nkangala District in Mpumalanga Province as per reference **KRP: 10203**

CURRENT PARTICULARS OF THE PROPERTY  
DARWINA LOUW 254 IR

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Remaining extent of the farm 254 IR	L. N. Hoffman Beleggings Pty Ltd (199600864907)	T149237/2000	693.4066 ha	<ul style="list-style-type: none"> <li>B348/2006</li> <li>B431/2017</li> <li>B7863/2010</li> <li>B83910/2000</li> </ul>	<ul style="list-style-type: none"> <li>FirstRand Bank Ltd</li> <li>FirstRand Bank Ltd</li> <li>FirstRand Bank Ltd</li> <li>FirstRand Bank Ltd</li> </ul>	<ul style="list-style-type: none"> <li>K1174/1984RM</li> <li>K1317/1983RM</li> <li>K1479/1981RM</li> <li>K1480/1981RM</li> <li>K1865/1987S</li> <li>K2050/1999S</li> <li>K2572/1985RM</li> <li>K2960/1980RM</li> </ul>



The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in above mentioned property is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

Private Bag X7201

Withbank

1035

or Shop No. E 8

Saveways Crescent Centre

Cnr OR Tambo and Mandela Street

Withbank

1035

TEL NO: 013 – 655 1000

FAX NO: 013 – 690 3438

CHECKED BY: MISS CAROLINE FIPAZA

LEGAL ADMIN OFFICER

DATE: 20/08/2017

MR. L. H. MAPHUTHA

COMMISSIONER FOR RESTITUTION OF LAND RIGHTS

DATE: 20/08/2017

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1022

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994) as amended, that a land claim for **Restitution of Land Rights** has been lodge on the property mentioned hereunder situated in **Local Municipality, Ehlanzeni District in the Mpumalanga Province** as follows:

Particulars of the Claimants	Identity Number	KRP
<ul style="list-style-type: none"> <li>Mr. Skoeman Mahlangu (on behalf of Mahlangu Family)</li> </ul>	<ul style="list-style-type: none"> <li>4907185341080</li> </ul>	<ul style="list-style-type: none"> <li>5087</li> </ul>
<ul style="list-style-type: none"> <li>Mr. Swaartbooi Mahlangu (on behalf of Mahlangu Family)</li> </ul>	<ul style="list-style-type: none"> <li>1103165062085</li> </ul>	<ul style="list-style-type: none"> <li>5086</li> </ul>

CURRENT PARTICULARS OF THE PROPERTY  
GENERAALSDRAAI 423 JS

Description of Property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining extent of Portion 3	Umsimibithi Mining Pty Ltd (200601091107)	T11816/2012	243.6348ha	None	None	None

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**

**or 30 Samora Machel Drive**


**Nelspruit**

**1200**

**TEL NO: 013 756 6000**

**FAX NO: 013 752 3859**

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/08/21

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/08/21

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1023

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994) as amended, that a land claim for **Restitution of Land Rights** has been lodged by Mrs. Nurse Beauty Sithole (Identity No. 5701050248085) on behalf of **Sambo Family Community** on the properties mentioned hereunder situated in **Mbombela Local Municipality under Ehlanzeni District in the Mpumalanga Province as per reference KRP: 11212**

**CURRENT PARTICULARS OF THE PROPERTIES**  
**NYAMASAAN 647 JU & MPAKENI 966 JU**

Description of Property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of the farm 467 JU	Mbombela Local Municipality	T151385/2001	Extent of claimed land is 47.1087ha	None	None	None

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned properties is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

Private Bag X11330

Nelspruit

1200

or 30 Samora Machel Drive

Nelspruit

1200

TEL NO: 013 756 6000

FAX NO: 013 752 3859

CHECKED BY: MISS CAROLINE FIPAZA

LEGAL ADMIN OFFICER

DATE: 20/08/2017

MR. L. H. MAPHUTHA

COMMISSIONER FOR RESTITUTION OF LAND RIGHTS

DATE: 20/08/2017

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1024

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994), as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Mr. Linda Solomon Masuku (Identity No. 5211295582082)** on behalf of **Masuku Family** on the properties mentioned hereunder situated in **Nkomazi Local Municipality** in **Ehlanzeni District** in the **Mpumalanga Province** as per reference **KRP: 10210**

## CURRENT PARTICULARS OF THE PROPERTIES

## MASOVI 951 JU &amp; MANZINI 45 JU

Description of Property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of the Farm 45 JU	Government of the Republic of South Africa	T19103/2001	Extent of claimed land is 74.5691ha	None	None	None

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned properties is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

Private Bag X11330

Nelspruit

1200


or 30 Samora Machel Drive


Nelspruit

1200

TEL NO: 013 756 6000

FAX NO: 013 752 3859

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/09/2017

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/09/2017



## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1025

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994), as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Mr. Masoja Mathew Nhlapho (Identity No. 540507 5267 084)** on behalf of **Nhlapho Family** on the following property mentioned hereunder situated in **Albert Luthuli Local Municipality in Gert Sibande District in Mpumalanga Province as per reference KRP 405.**

## WITKLOOF 408 JT

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 17	Upbeatprops 1097 CC [1998044471223]	T12168/2014	131.6956 ha (Affected extent is 29.9101 ha)	B5134/2014	Standard Bank of South Africa	None

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**


**Or 30 Samora Machel Drive**

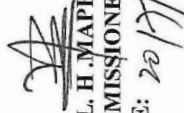
**Nelspruit**

**1200**

**Tel No: 013 756 6000**

**Fax No: 013 752 3859**

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/08/21

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/08/21

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1026

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994) as amended, that a land claim for Restitution of Land Rights has been lodged by Mr. Mbuluse George Maseko (Identity No. 1909 265 094 087) on behalf of Maseko Family on the property mentioned hereunder situated in Mbombela Local Municipality in Ehlanzeni District in the Mpumalanga Province as per reference KRP: 6623

CURRENT PARTICULARS OF THE PROPERTY  
LEGOGOTU 30 JU

Description of Property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 19	Government of the Republic of South Africa	T12212/2011	585 7944ha (Extent of claimed land 1.8375ha)	None	None	None

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:

## Commissioner for Restitution of Land Rights

Private Bag X11330

Nelspruit

1200

or 30 Samora Machel Drive

Nelspruit

1200

TEL NO: 013 756 6000

FAX NO: 013 752 3859

CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/09/2017

MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/09/2017

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1027

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994), as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Mr. Besabakhe Lucas Mahlangu (Identity No. 580131 5389 086)** on behalf of **Mahlangu Family** on the property mentioned hereunder situated in **Steve Tshwete Local Municipality in Nkangala District in the Mpumalanga Province** as per reference **KRP: 10854**

## CURRENT PARTICULARS OF THE PROPERTY

## HARTEBEEESTFONTEIN 339 JS

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of Portion 1	Anglo Operations Pty Ltd (192100673007)	T55527/1992	349,1838 ha (Extent of claimed land is 117,7044 ha)	None	None	<ul style="list-style-type: none"> <li>• K1738/1978S</li> <li>• K2102/1983S</li> <li>• K2102/1984S</li> <li>• K2491/1980S</li> <li>• K2550/1984S</li> <li>• K2704/1992RM</li> <li>• 3087/1977S</li> <li>• K33/1987S</li> <li>• K462/1978S</li> <li>• K4796/2003RM</li> <li>• VA95/85-K462/78S</li> </ul>

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within 30 [thirty days] from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X7201**

**Witbank**

**1035**

**or Shop No. E 8**

**Saveways Crescent Centre**

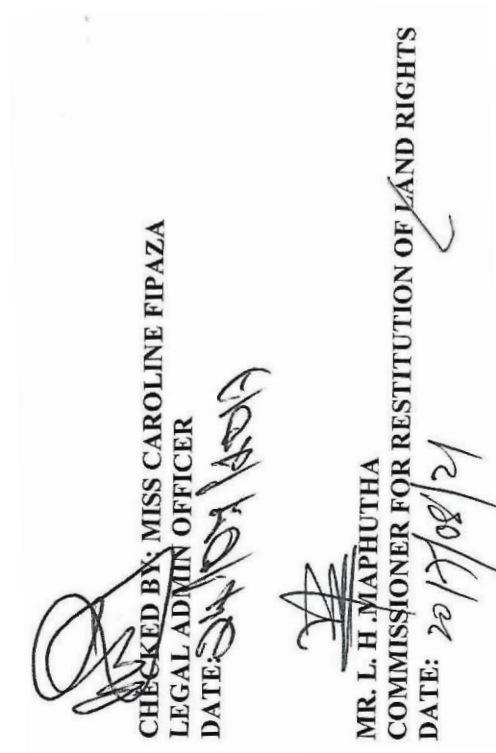
**Cnr OR Thambo and Mandela Street**

**Witbank**

**1035**

**TEL NO: 013 655 1000**

**FAX NO: 013 690 2438**



## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1028

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994) as amended, that a Land claim for Restitution of Land Rights has been lodged by Mr. Phariponte Lazarus Mahlangu (Identity No: 470128 5296 082) on behalf of Mahlangu Family on the property mentioned hereunder situated in Albert Luthuli Local Municipality in Gert Sibande District in Mpumalanga Province as peer reference KRP: 1716

CURRENT PARTICULARS OF THE PROPERTY  
UITVLUGT 380 JS

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of Portion 2	Leygonie Immanuel (4006055076007)	T9164/1983	244.5920 ha (Extent of claimed land is 37.4800 ha)	None	None	None
Portion 19	Transnet Ltd	T8210/1930	4.0304 ha (Extent of claimed land is 0.3910 ha)	None	None	None
Portion 36	Dalberry Prop 15 Pty Ltd (200200686907)	T22762/2005	251.7249 ha (Extent of claimed is 37.6058)	None	None	None


The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:


**Commissioner for Restitution of Land Rights**

Private Bag X7201  
Witbank  
1035

or Shop No. E 8  
Saveways Crescent Centre  
Cnr OR Tambo and Mandela Street  
Witbank  
1035

TEL NO: 013 655 1000  
FAX NO: 013 690 2438

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/09/2017

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/08/2017



## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1029

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 [ACT 22 OF 1994] AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Mr Fana Samson Magagula (Identity No. 5605275484088)** on behalf of **Magagula Family** on the property mentioned hereunder situated in **Umjindi Local Municipality under Ehlanzeni District in the Mpumalanga Province as per reference KRP: 10867**

CURRENT PARTICULARS OF THE PROPERTY  
WATERFALL 461 JT

Description of Property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of Portion 1	Grey-Van Inv Pty (198200575707)	T8782/2015	2550.6161ha (Extent of claimed land is 22.2247ha)	B3613/2015	Absa Bank Ltd	<ul style="list-style-type: none"> <li>• K1687/1984S</li> <li>• K478/2015</li> </ul>

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

Private Bag X11330

Nelspruit

1200


or 30 Samora Machel Drive

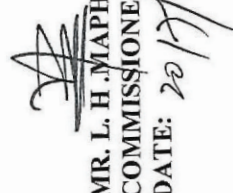
Nelspruit

1200

TEL NO: 013 756 6000

FAX NO: 013 752 3859

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/08/2017

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/08/2017

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1030

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994) as amended, that a Land claim for **Restitution of Land Rights** has been lodged by **Mr. Mfungelwa John Mahlangu (Identity No: 430403 5291 089)** on behalf of **Mahlangu Family** on the property mentioned hereunder situated in **Albert Luthuli Local Municipality, Gert Sibande District in Mpumalanga Province** as pre reference **KRP: 10631**

CURRENT PARTICULARS OF THE PROPERTY  
WELGEMEEND 206 IS

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of Portion 1	National Government of the Republic of South Africa	T164761/2006	221.1666 ha	None	None	None
Portion 3	National Government of the Republic of South Africa	T22822/2006	330.6226 ha	None	None	None
			The total extent of the claimed land for the Rem Ext of Portion 1 & portion 3 is 7.3461 ha			

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**

**Or 30 Samora Machel Drive**

**Restitution House**


**Nelspruit**

**1200**

**TEL NO: 013 – 756 6000**

**FAX NO: 013 – 752 3859**

  
**CHECKED BY: MISS CAROLINE FIPAZA**  
**LEGAL ADMIN OFFICER**  
**DATE: 20/09/2017**

  
**MR. L. H. MAPHUTHA**  
**COMMISSIONER FOR RESTITUTION OF LAND RIGHTS**  
**DATE: 20/08/21**

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1031

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 [ACT 22 OF 1994] AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Mr Fana Samson Magagula (Identity No. 5605275484088)** on behalf of **Magagula Family** on the property mentioned hereunder situated in **Umjindi Local Municipality under Ehlanzeni District in the Mpumalanga Province as per reference KRP: 10867**

CURRENT PARTICULARS OF THE PROPERTY  
WATERFALL 461 JT

Description of Property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of Portion 1	Grey-Van Inv Pty (198200575707)	T8782/2015	2550.6161ha (Extent of claimed land is 22.2247ha)	B3613/2015	Absa Bank Ltd	<ul style="list-style-type: none"> <li>• K1687/1984S</li> <li>• K478/2015</li> </ul>

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**

**or 30 Samora Machel Drive**


**Nelspruit**

**1200**

**TEL NO: 013 756 6000**

**FAX NO: 013 752 3859**

  
**CHECKED BY: MISS CAROLINE FIPAZA**  
**LEGAL ADMIN OFFICER**  
**DATE: 20/09/2017**

  
**MR. L. H. MAPHUTHA**  
**COMMISSIONER FOR RESTITUTION OF LAND RIGHTS**  
**DATE: 20/08/21** ✓

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1032

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994) as amended, that a Land claim for Restitution of Land Rights has been lodged by Ms. Ntombini Valina Ngwenya (Identity No: 560930 0454 082) on behalf of Ngwenya family on the property mentioned hereunder situated in Mkhondo Local Municipality in Gert Sibande District in Mpumalanga Province as per reference KRP: 1716

CURRENT PARTICULARS OF THE PROPERTY  
TAFELKOPPIES 497 IT

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 2	<ul style="list-style-type: none"> <li>Sappi Manufacturing Pty Ltd (195100318007)</li> <li>Lereko Prop CO Pty Ltd (200503829507)</li> </ul>	<ul style="list-style-type: none"> <li>T58466/1999</li> <li>T7193/2009</li> </ul>	310.2659 ha (extent of claimed 13.3270 ha)	<ul style="list-style-type: none"> <li>B4949/2009</li> <li>B4950/2009</li> </ul>	<ul style="list-style-type: none"> <li>Sappi Ltd</li> <li>Sappi Manufacturing Pty Ltd</li> </ul>	None



The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**

**Or 30 Samora Machel Drive**

**Restitution House**


**Nelspruit**

**1200**

**TEL NO: 013 – 756 6000**

**FAX NO: 013 – 752 3859**

  
**CHECKED BY: MISS CAROLINE FIPAZA**  
**LEGAL ADMIN OFFICER**  
**DATE: 20/09/2017**

  
**MR. L. H. MAPHUTHA**  
**COMMISSIONER FOR RESTITUTION OF LAND RIGHTS**  
**DATE: 20/09/2017**

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1033

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of **Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994)** as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Ms. Mthobi Agnes Msibi (Identity No. 410505 0233 082)** on behalf of **Msibi family** on the following property mentioned hereunder situated in **Mkhondo Local Municipality in Gert Sibande District, Mpumalanga Province as per reference KRP 6556.**

## DE HOOP 402 IT

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 2	Thokozane Communal Prop Assoc	T140899/2000	342.6128 ha ( extent of claimed land is 9.1105 ha)	None	None	None

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**


**Or 30 Samora Machel Drive**


**Nelspruit**

**1200**

**Tel No: 013 756 6000**

**Fax No: 013 752 3859**

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/09/2017

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/08/21

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1034

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of **Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994)** as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Hhantsi Petrus Masango (Identity No. 280828 5190 082)** on behalf of **Masango Family** on the following property mentioned hereunder situated in **Emalahleni Local Municipality in Bethal District under Mpumalanga Province as reference KRP 11435**.

## ROODEPOORT 40 IS

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of Portion 17	Lize Trust (2130/2003)	T85746/2006	294.5019 ha (Affected extent is 40.40 ha)	B5589/2013 B6381/2016 B6850/2014	Nedbank Ltd Nedbank Ltd Nedbank Ltd	K2060/1988S K2769/1992S K3159/1996S in favour of Routebepaling van k2769/92S

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**


**Or 30 Samora Machel Drive**


**Nelspruit**

**1200**

**Tel No: 013 756 6000**

**Fax No: 013 752 3859**

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/09/2017

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/09/2017

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1035

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the land Rights Act 1994 (Act 22 of 1994) as amended, that a land claim for **Restitution of Land Rights** has been lodged by **Mr. Nelson Jerry Mokoena (Identity No. 430323 5231 085)** on behalf of **Mokoena Family** on the following property mentioned hereunder situated in **Bushbuckridge Local Municipality** in **Ehlanzeni District** in **Mpumalanga Province** as per reference **KRP 9555**.

## ROLLE 235 KU

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 4	National Government of South Africa	S.G.No.5734/1998	168.3962 ha	None	None	None
Portion 5	National Government of South Africa	S.G. No. 5734/1998	209.7003 ha	None	None	None
			The extent of claimed land for both portion 4&5 is 0.9319ha			

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within **30 (thirty days)** from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

**Private Bag X11330**

**Nelspruit**

**1200**

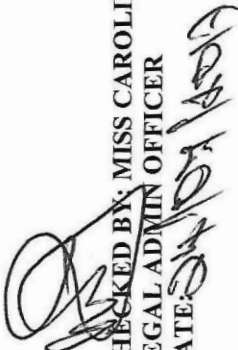
**Or 30 Samora Machel Drive**

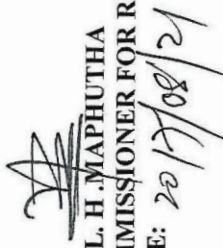
**Nelspruit**

**1200**

**Tel No: 013 756 6000**

**Fax No: 013 752 3859**

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/09/2017

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/09/2017



## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NO. 1036

22 SEPTEMBER 2017

## GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994) AS AMENDED

Notice is hereby given in terms of **Section 11(1) of the Restitution of the Land Rights Act 1994 (Act 22 of 1994)** as amended, that a land claim for **Restitution of Land Rights** has been lodged on the property mentioned hereunder situated in **Emakhazeni Local Municipality in Nkangala District in the Mpumalanga Province** as follows:

Description of Property	Name of the Claimants	Identity Number	KRP
Rietvlei 375 JT	• Mr. Jacob Hannes Nkosi (on behalf of Nkosi Family)	• 5803155884085	• 9070
	• Mr. Fani Kubeka (on behalf of Kubeka Family)	• 6107195401085	• 10902

CURRENT PARTICULARS OF THE PROPERTY  
RIETVLEI 375 JT

Description of Property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
The Remaining Extent of Portion 1	Omnipact S A Inv 31 CC (200619905123)	T5147/2007	300.5547ha (Extent of claimed is 92.3552ha)	B890/2017	Nedbank Ltd	<ul style="list-style-type: none"> <li>• K2454/1986RM in favor of Elsabe Petronella De Wet</li> <li>• K2981/1987RM</li> <li>• K837/2016S</li> <li>• K885/1965S</li> </ul>

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above mentioned property is hereby invited to submit within 30(thirty days) from the date of publication of this notice to submit any comments, or further information to:

**Commissioner for Restitution of Land Rights**

Private Bag X11330

Nelspruit

1200


or 30 Samora Machel Drive


Nelspruit

1200

TEL NO: 013 756 6000

FAX NO: 013 752 3859

  
CHECKED BY: MISS CAROLINE FIPAZA  
LEGAL ADMIN OFFICER  
DATE: 20/08/2017

  
MR. L. H. MAPHUTHA  
COMMISSIONER FOR RESTITUTION OF LAND RIGHTS  
DATE: 20/08/2017

## DEPARTMENT OF SOCIAL DEVELOPMENT

NO. 1037

22 SEPTEMBER 2017

**CHILDREN'S ACT, 2005 (ACT NO. 38 OF 2005)****NOTICE THAT THE NATIONAL INTEGRATED EARLY CHILDHOOD DEVELOPMENT POLICY WAS APPROVED BY CABINET**

I, Bathabile Olive Dlamini, Minister responsible for Social Development, hereby makes notification to inform members of the general public that the Cabinet approved the National Integrated Early Childhood Development Policy on 9 December 2015 as contemplated in chapter 6 of the Children's Act 2005 (ACT NO. 38 OF 2005) and can be accessed on the Departmental website: <http://www.dsd.gov.za>.



**B. O. DLAMINI (MP)**  
**MINISTER OF SOCIAL DEVELOPMENT**

DATE: 12.08.17

## DEPARTMENT OF WATER AND SANITATION

NO. 1038

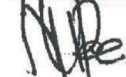
22 SEPTEMBER 2017

**NATIONAL WATER ACT, 1998  
(ACT NO. 36 OF 1998)****PROPOSED RESERVE DETERMINATION OF WATER RESOURCES FOR THE OLIFANTS AND LETABA CATCHMENTS**

I, Nomvula Paula Mokonyane, in my capacity as Minister of Water and Sanitation, having complied with section 13 of the National Water Act, 1998 (Act No. 36 of 1998) ("the Act") and regulation 3 of the Regulations for the Establishment of Water Resource Classification System (No. R. 810 Government Gazette No. 33541, 17 September 2010), and duly authorised in terms of section 16(1) of the Act, hereby publish, for public comment in accordance with section 16(3) of the Act, the proposed Reserve determination of water resources for the catchments of the Olifants and Letaba, as set out in the Schedule to this Notice.

Any person who wishes to submit written comments with regard to the proposed Reserve determination should submit the comments within 60 days from the date of publication of this Notice to:

Director: Reserve Determination  
Attention: Mr Yakeen Atwaru  
Department of Water and Sanitation  
Ndinaye Building 185 Francis Baard Street  
Private Bag X313  
Pretoria  
0001  
Email: [atwaruy@dws.gov.za](mailto:atwaruy@dws.gov.za)



**MRS NP MOKONYANE  
MINISTER OF WATER AND SANITATION**

**RESERVE DETERMINATION OF WATER RESOURCES FOR THE CATCHMENTS OF THE  
OLIFANTS AND LETABA IN TERMS OF SECTION 16(1) AND (2) OF THE NATIONAL WATER  
ACT, 1998 (ACT NO. 36 OF 1998)**

**SCHEDULE**

**DESCRIPTION OF WATER RESOURCE**

1. (1) The Reserve is determined for all or part of every significant water resource within the catchments of the Olifants and Letaba as set out below:

Water Management Area: Olifants

Drainage Regions: B Primary Drainage Region (excluding Shingwedzi catchment (B90))

Rivers: Olifants and Letaba River Systems

(2) The Minister has in terms of section 12 of the National Water Act, 1998 (Act No.36 of 1998) ("the Act"), prescribed a system for classifying water resources by issuing Government Notice No. R. 810, published in Government *Gazette* No. 33541 dated 17 September 2010. In terms of section 16(1) of the Act, the Minister must, as soon as reasonably practicable after the class of all or part of a water resource has been determined, by Notice in the *Gazette*, determine the Reserve for all or part of that water resource.

(3) The Minister, in terms of section 16(3) of the Act, proposes, for the purpose of section 16(1) of the Act, the following Reserves for the catchments of the Olifants and Letaba.

**PROPOSED RESERVE DETERMINATION AS REQUIRED IN TERMS OF SECTION 16(1) AND (2)  
OF THE NATIONAL WATER ACT, 1998**

2. (1) A summary of the quantity component for the Rivers which include the EWR (**Figure 1 & 2**) and the BHN in terms of section 16(1) of the Act for the Olifants and Letaba catchments is set out in item 4. **Table 4.1** includes the results of the priority sites and **Table 4.2** includes the results of the biophysical nodes and the remaining EWR sites.

(2) A summary of the quality component for the River at the EWR sites in terms of section 16(1) of the Act for the Olifants and Letaba catchments is set out in **Table 5.1 - 5.29**.

(3) A summary of the groundwater contribution to the Reserve for Water Quantity in terms of section 16(1) of the Act for the Olifants and Letaba catchments is set out in **Table 6.1**.

(4) A summary of the groundwater contribution to the Reserve for Water Quality in terms of section 16(1) of the Act for the Olifants and Letaba catchments is set out in **Table 7.1, 7.2 and 7.3**.

(5) A summary of the wetland Reserve for Water Quantity & Quality in terms of section 16(1) of the Act for the Olifants and Letaba catchments is set out in **Table 8.1**.

(6) The Reserve will apply from the date signed off as determined in terms of section 16(1) of the Act, unless otherwise specified by the Minister.

### 3. ACRONYMS AND DEFINITIONS

#### 3.1. Acronyms

BHN	Basic Human Needs
EcoSpecs	Ecological Specifications
EIS	Ecological Importance and Sensitivity
EWR	Ecological Water Requirement
GRAII	Groundwater Resource Assessment Phase II
GRDM	Groundwater Reserve Determination Methodology
GRUs	Groundwater Resource Units
MAR	Mean Annual Runoff
MCM	Million Cubic Metres
PES	Present Ecological Status
REC	Recommended Ecological Category
TEC	Target Ecological Category
TPCs	Thresholds of Potential Concern

#### 3.2. Definitions

**Baseflow** is a sustained low flow in rivers during dry or fair weather conditions, but not necessarily all contributed by groundwater; includes contribution from delayed interflow and groundwater discharge.

**EWR (Ecological Water Requirements)** refers to the flow patterns (magnitude, timing and duration) and water quality needed to maintain a riverine ecosystem in a particular condition.

**Recharge** is the addition of water to the zone of saturation, either by downward percolation of precipitation or surface water and/ or the lateral migration of groundwater from adjacent aquifers.

**Reserve** is the quantity and quality of the water required to satisfy the basic human needs by securing a basic water supply and to protect the aquatic ecosystem in order to secure ecologically sustainable development and use of the relevant water resource.

#### 4. SURFACE-WATER - QUANTITY COMPONENT FOR RIVERS

Proposed results for the Reserve determination and ecological categorisation for the Olifants and Letaba Systems, where the Reserve are expressed as a percentage of the NMAR for the respective catchments (cumulative) in terms of section (16)(1).

**Table 4.1:** Summary of the **quantity** component for the Rivers which include the EWR & BHN for the priority sites.

Quaternary Catchment	Water Resource	PES	EI_ES	TEC <sup>5</sup>	Ecological Reserve <sup>3</sup> (%NMAR)	BHN Reserve <sup>4</sup> (%NMAR)	Total Reserve <sup>2</sup> (%NMAR)	NMAR (MCM) <sup>1</sup>
B31C	Upper Elands - Olifants_ELA1	C/D	Very high	C	20.87	0.003	20.873	31.08
B20J	Lower Wilge - Olifants_EWR4	C	High	B	36.28	0.013	36.293	175.59
B20F	Wilge River - Olifants_WIL1	C/D	High	C	15.11	0.008	15.118	44.76
B11J	Olifants - Olifants_EWR1	D	Moderate	D	17.80	0.052	17.852	184.54
B32A	Olifants - Olifants_EWR2	C	High	B/C	29.83	0.008	29.838	500.63
B32A	Kranspoortspruit - OLI_EWR3	C	Very high	B	30.26	0.008	30.268	13.86
B32C	Selons - Olifants_SEL1	D	Very high	C	21.86	0.020	21.88	33.11
B71D	Olifants - Olifants_EWR8	C	Moderate	C/D	15.19	0.020	15.21	813.17
B42H	Lower Spekboom - Olifants_SPE1	C	High	C	23.16	0.091	23.251	148.19
B60B	Upper Blyde - Olifants_BLY1	C	High	B	46.08	0.005	46.085	164.45
B71J	Olifants - Olifants_EWR11	C	High	C/D	12.81	0.052	12.862	1321.92
B60J	Lower Blyde - Olifants_EWR12	C	High	B	31.14	0.052	31.192	383.27
B72D	Olifants - Olifants_EWR13	C	Moderate	C	22.37	0.301	22.671	1762.10
B73H	Olifants - Olifants_EWR16	D	High	C	21.06	0.002	21.062	1918.30
B83D	Letaba - Letaba_EWR7	C/D	High	C	17.34	0.000	17.34	646.28
B81D	Letsitele - Letaba_EWR2	D	High	D	17.59	0.078	17.668	116.55
B81B	Great Letaba - Letaba_EWR1	C/D	High	C	24.76	0.030	24.79	99.85
B81A	Broederstroom - Letaba_BRO1	B/C	High	B/C	49.22	0.012	49.232	6.68
B12E	Klein Olifants - Olifants-EWR3	D	High	C/D	19.8	0.009	19.809	81.54
B32D	Olifants - Olifants-EWR5	C	High	C	12.51	0.060	12.57	571.13
B31G	Lower Elands - Olifants-EWR6	C/D	Moderate	D	10.48	0.033	10.513	60.32
B51G	Olifants - Olifants-EWR7	E	Moderate	D	9.89	0.365	10.255	736.94
B41H	Steelpoort - Olifants-EWR9	D	High	C/D	23.33	3.086	26.416	137.50
B72K	Lower Ga-Selati - Olifants_EWR14b	E	Moderate	D	19.45	0.043	19.493	72.74
B11H	Spookspruit - SPK_EWR1	C	Moderate	C	30.12	0.001	30.121	9.32
B41H	Dwars - DWA_EWR1	B/C	High	B/C	31.24	3.086	34.326	26.10
B41K	Steelpoort - Olifants_EWR10	D	High	D	12.69	0.480	13.17	342.75
B60H	Ohrigstad - OLI_EWR8	C	Moderate	C	17.41	0.512	17.922	67.79
B72H	Upper Ga-Selati - Olifants_EWR14a	C	Moderate	C	27.53	0.123	27.653	52.20

1) NMAR is the Natural Mean Annual Runoff.

2) The total Reserve amount accounts for both the Ecological Reserve and the Basic Human Needs Reserve (BHN).

3) This amount represent the long term mean based on the NMAR. If the NMAR changes, this volume will also change.

4) Represents the percentage of BHN.

5) Target Ecological Category (TEC): The ultimate target to achieve a sustainable system both ecologically and economically taking into account the PES and REC.



**Table 4.2:** Summary of the **quantity** component for the Rivers EWR & BHN for the biophysical nodes and the remaining EWR sites.

Quaternary catchment	Water Resource	PES	EI	ES	REC	Ecological Reserve (%NMAR)	BHN Reserve (%NMAR)	Total Reserve (%NMAR)	NMAR (MCM)
B11A, B11B	Olifants (confluence with Steenkoolspruit)	C	High	High	C	10.25	0.001	10.251	61.30
B11D	Steenkoolspruit (outlet of quaternary)	D	Moderate	High	D	4.70	0.006	4.706	44.60
B11E	Steenkoolspruit (confluence with Olifants)	D	Moderate	High	D	4.70	0.004	4.704	65.40
B11F	Olifants (outlet of quaternary)	D	Moderate	High	D	4.70	0.007	4.707	147.90
<b>B11G</b>	<b>Noupoortspruit (EWR site – NOU-EWR1) (existing)</b>	<b>C/D</b>	<b>EIS-Moderate</b>		<b>C/D</b>	<b>13.90</b>	<b>0.075</b>	<b>13.975</b>	<b>4.28</b>
B11G	Olifants (releases from Witbank Dam)	D	Moderate	High	D	4.70	0.075	4.775	164.00
B11H	Spookspruit (confluence with Olifants)	C	High	High	C	10.25	0.001	10.251	11.40
B11K, B11L	Klipspruit (confluence with Olifants)	D	High	Moderate	D	4.67	0.052	4.722	45.70
B12A	Klein Olifants (outlet of quaternary)	C	High	High	C	18.85	0.001	18.851	12.70
B12B	Klein Olifants (outlet of quaternary)	D	Moderate	High	D	8.11	0.000	8.110	16.90
<b>B12C</b>	<b>Klein Olifants (EWR site – OLI-EWR1) (Rapid site)</b>	<b>C</b>	<b>EIS-Low</b>		<b>C</b>	<b>18.85</b>	<b>0.003</b>	<b>18.853</b>	<b>44.50</b>
B12C	Klein Olifants (releases from Middelburg Dam)	D	High	High	D	5.52	0.003	5.523	53.50
B12D	Klein Olifants (outlet of quaternary)	D	Moderate	High	D	5.52	0.004	5.524	67.30
B20A	Bronkhorstpruit (outlet of quaternary)	C	Moderate	High	C	13.38	0.003	13.383	27.70
B20B	Koffiespruit (confluence with Bronkhorstpruit)	C	Moderate	High	C	13.38	0.005	13.385	15.50
B20C	Bronkhorstpruit (outlet from Bronkhorstpruit Dam)	C	High	High	C	13.44	0.003	13.443	56.40
B20D	Hondespruit (confluence with Bronkhorstpruit)	C	High	High	C	13.39	0.002	13.395	11.90
B20D	Bronkhorstpruit (confluence with Wilge)	C	High	Very High	C	13.45	0.002	13.452	79.90
B20E, B20F	Wilge (confluence with Bronkhorstpruit)	C	High	High	C	13.42	0.003	13.423	45.80
B20G	Saalboomspruit (confluence with Wilge)	C	Moderate	High	C	13.40	0.025	13.425	22.10
B20H	Grootpruit (confluence with Wilge)	C	High	Very high	C	13.40	0.006	13.406	12.80
B20H	Wilge (outlet of quaternary)	B	High	Very high	B	17.92	0.006	17.926	158.20
B32C	Olifants (releases from Loskop Dam)	D	High	High	D	7.22	0.020	7.240	568.60
B32C	Olifants (outlet of quaternary – outlet of IUA3)	D	High	High	D	7.22	0.020	7.240	576.80
B31A, B, C	B31A (Elands) B31B (Hartbeesspruit) B31C (Elands) Node at outlet of B31C releases from Rust de Winter Dam.	C C C C	High High High High	High Very high Very high Very high	C	12.34	0.003	12.343	33.50

Quaternary catchment	Water Resource	PES	EI	ES	REC	Ecological Reserve (%NMAR)	BHN Reserve (%NMAR)	Total Reserve (%NMAR)	NMAR (MCM)
B31F	Elands (releases from Mkumbe Dam)	C	High	High	C	12.34	0.008	12.348	59.80
B31H, B31J	Elands (outlet of quaternary, confluence with Olifants))	D	Moderate	Moderate	D	6.32	0.084	6.404	84.10
B32E, B32F	B32E (Blood) B32F (Doringpoortloop) Node at confluence with Olifants in B32F.	B	Moderate High	High Moderate	B	13.90	0.397	14.297	17.20
B32G, B32H	B32G (Moses) B32H (Mametse and Moses) Node at outlet of B32H	C	High High	High High	C	9.93	0.084	10.014	35.40
B51B	Olifants (releases from Flag Boshielo Dam)	D	Moderate	High	D	3.91	1.009	4.919	723.40
B51D, B51E	Olifants (outlet of quaternary – outlet of IUA5)	D	Moderate	High	D	3.81	0.000	3.810	726.60
B41A	Grootspuit (outlet of quaternary) Langspuit, including Lakenvleispruit and Kleinspruit	C D	High High	High Very high	C	20.78	0.003	20.783	41.90
<b>B41B</b>	<b>Steelpoort (EWR site – OLI-EWR2) (Rapid site)</b>	<b>C</b>	<b>EIS=Moderate</b>		<b>C</b>	<b>20.78</b>	<b>0.006</b>	<b>20.786</b>	<b>63.50</b>
B41D, B41E	Steelpoort (inflow to De Hoop Dam)	C	High	Very high	C	20.78	0.394	21.174	117.00
<b>B41F</b>	<b>Klip (EWR site – OLI-EWR4) (Rapid site)</b>	<b>C</b>	<b>EIS=Moderate</b>		<b>C</b>	<b>12.44</b>	<b>0.019</b>	<b>12.459</b>	<b>5.20</b>
B41G	Upper reaches of Dwars (before mining impacts)	C	High	Very high	C	13.33	0.015	13.345	24.50
B51F	Nkumpi (outlet of quaternary)	C	High	Moderate	C	10.73	0.023	10.753	3.80
B52A, E, G, H	Olifants (outlet of quaternary – outlet of IUA7)	D	Moderate	High	D	3.88	0.541	4.421	799.7
<b>B42B</b>	<b>Dorpspruit (EWR site – OLI-EWR9) (Rapid site)</b>	<b>C/D</b>	<b>EIS=Low</b>		<b>C/D</b>	<b>11.99</b>	<b>0.006</b>	<b>11.996</b>	<b>63.20</b>
B42D, B42E	Dorps (confluence with Spekboom) Spekboom (confluence with Dorps)	C C	High High	High Very high	C	14.95	0.011	14.961	69.70
<b>B42D</b>	<b>Spekboom (EWR site – OLI-EWR6) (Rapid site)</b>	<b>C</b>	<b>EIS=High</b>		<b>C</b>	<b>17.15</b>	<b>0.001</b>	<b>17.151</b>	<b>28.00</b>
B42F	Watervals (releases from Buffelskloof Dam)	C	High	Very high	C	17.36	0.011	17.371	28.60
<b>B42G</b>	<b>Watervals (EWR site – OLI-EWR5) (Rapid site)</b>	<b>C</b>	<b>EIS=Moderate</b>		<b>C</b>	<b>15.47</b>	<b>0.283</b>	<b>31.220</b>	<b>36.40</b>
B42H	Spekboom (outlet of quaternary – outlet of IUA 8)	B	High	Moderate	B	28.84	0.091	28.931	149.00
B60E, B60F	Kranskloofspruit (confluence with Ohrigstad) Mantshibi (confluence with Ohrigstad) Ohrigstad (outlet of quaternary) Node at outlet of B60F.	C C D	High High Moderate	Very high Very high Very high	D	6.31	0.012	6.322	35.60

Quaternary catchment	Water Resource	PES	EI	ES	REC	Ecological Reserve (%NMAR)	BHN Reserve (%NMAR)	Total Reserve (%NMAR)	NMAR (MCM)
B60H	Ohrigstad (outlet of quaternary – outlet of IUA9B)	D	High	Very high	D	8.05	0.512	8.562	69.70
B60J	Blyde (confluence with Olifants)	C	Very high	Very high	C	16.13	0.052	16.182	385.70
B71C	Mohlapiitse (upper reaches)	B	Very high	Very high	B	26.50	0.103	26.603	42.10
B71D, B71F	Olifants (confluence with Steelpoort)	D	High	Very high	D	4.30	0.253	4.553	937.9
B72A	Makhutswi, including Mounqwane and Malomanye	C	High	High	C	12.89	23.721	36.611	38.00
B72C	Olifants (outlet – outlet of IUA10)	C	High	High	C	18.07	0.616	18.686	1755.5
B72E	Ngwabatse (confluence with Ga-Selati)	D	High	Very high	D	9.05	0.341	9.391	25.70
B72F, G	Ga-Selati (outlet of quaternary)	C	High	Very high	C	19.59	0.023	19.613	13.50
B72J	Molatie (confluence with Ga-Selati)	B	Moderate	Moderate	B	12.67	0.038	12.705	11.40
B72K	Ga-Selati (outlet of quaternary – outlet of IUA11)	E	High	High	D	11.95	0.043	11.993	72.70
<b>B73A</b>	<b>Klaserie (EWR site – OLI-EWR7) (Rapid site)</b>	<b>B/C</b>	<b>EIS=High</b>		<b>B/C</b>	<b>22.31</b>	<b>0.033</b>	<b>22.343</b>	<b>25.50</b>
B73B	Klaserie (confluence with Olifants)	C	High	High	C	15.41	0.008	15.418	37.10
B73D	Nhlalalumi, including Machaton, Nyameni and Thlalarumi	B	High	Low	B	13.65	0.006	13.656	6.80
B73E	Sesete (confluence with Timbavati)	B	High	Low	B	12.24	0.152	12.392	11.10
B73F	Timbavati (outlet of quaternary)	B	High	Moderate	B	12.12	0.003	12.123	18.70
B73J	Olifants (outlet of quaternary – outlet of IUA12)	C	High	Low	C	14.72	0.007	14.727	1918.3
B60A	Blyde (confluence with Lisbon)	C	High	Very high	C	18.73	0.015	18.745	87.10
B60B	Blyde (outlet of quaternary)	B	High	Very high	B	32.86	0.005	32.865	183.80
<b>B60C</b>	<b>Treur (EWR site – TRE-EWR1) (existing)</b>	<b>B</b>	<b>EIS=Very High</b>		<b>B</b>	<b>34.60</b>	<b>0.001</b>	<b>34.601</b>	<b>46.80</b>
B60D	Blyde (inflow to Blyderivierpoort Dam – outlet of IUA13)	B	High	Very high	B	31.57	0.008	31.578	283.90
B81A	00242 - Broederstroom	C	Moderate	High	C	21.90	0.012	21.912	23.83
B81A	00256 - Unnamed tributary	D	Low	High	D	21.90	0.012	21.912	16.34
B81A	00263 - Unnamed tributary	D	Moderate	Moderate	D	21.90	0.012	21.912	5.75
B81A	00270 - Broederstroom	C	Moderate	Very high	C	27.10	0.012	27.112	44.47
B81B	00227 - Mahitse	D	Moderate	High	D	22.10	0.030	22.130	13.60
B81B	00233 - Mahitse	C	Moderate	High	C	27.40	0.030	27.430	2.69
B81B	00234 - Mahitse	C	Moderate	High	C	29.80	0.030	29.130	10.13

Quaternary catchment	Water Resource	PES	EI	ES	REC	Ecological Reserve (%NMAR)	BHN Reserve (%NMAR)	Total Reserve (%NMAR)	NMAR (MCM)
B81B	00240 - Politsi	C	Moderate	High	C	19.10	0.030	19.130	38.98
B81B	00246 - Politsi	C	Moderate	Very high	C	17.70	0.030	17.730	36.26
B81B	00251 - Unnamed tributary	D	Low	Moderate	D	15.40	0.030	15.430	1.34
B81B	00269 - Morudi	B	Moderate	Very high	B	34.60	0.030	34.630	1.95
B81D	00272 - Letsitele	C	High	Very high	C	22.00	0.078	22.078	91.27
B81D	00277 - Thabina	D	High	High	D	13.00	0.078	13.078	25.28
B81D	00280 - Bobs	B	High	Very high	B	29.30	0.078	29.378	18.51
B81D	00296 - Mothlaka-Semeetse	B	High	Very high	B	34.60	0.078	34.678	10.53
B81E	00213 - Nwanedzi	D	Moderate	High	C	8.10	0.249	8.349	17.28
B81F	00189 - Merekome	C	Moderate	Moderate	C	7.10	0.244	7.344	4.74
B81F	00203 - Lerwatlou	C	Moderate	High	C	8.80	0.244	9.044	3.74
B81F	00228 - Reshwele	B	Moderate	Low	B	9.10	0.244	9.344	3.53
B81F	00232 - Makwena	B	Moderate	Low	B	12.80	0.244	13.044	2.75
B81G	00164 - Molototsi	D	Moderate	Moderate	D	6.60	0.288	6.888	16.72
B81H	00162 - Metsemola	C	Moderate	Low	C	9.80	0.545	10.345	0.64
B81H	00171 - Molototsi	D	Moderate	Moderate	D	6.50	0.545	7.045	25.84
B81J	00187 - Mbhawula	C	Moderate	Low	C	9.80	0.024	9.824	2.53
B82A	00168 - Middle Letaba	C	Moderate	Moderate	C	24.30	0.014	24.314	31.12
B82B	00173 - Koedoes	D	Moderate	Moderate	D	12.30	0.013	12.313	23.13
B82D	00154 - Middle Letaba	D	Moderate	Moderate	D	17.30	0.116	17.416	40.53
B82D	00163 - Lebjelebore	C	Moderate	High	C	25.80	0.116	25.916	4.90
B82D	00166 - Mosukodutsi	D	Moderate	Moderate	D	10.20	0.116	10.316	42.25
B82E	00149 - Khwali	B	High	Low	B	13.90	0.158	14.058	4.51
B82E	00150 - Klein Letaba	C	Moderate	Moderate	C	16.00	0.158	16.158	3.48
B82F	00128 - Klein Letaba	C	Moderate	Moderate	C	15.40	0.071	15.471	32.13
B82F	00137 - Klein Letaba	D	Moderate	Moderate	D	9.70	0.071	9.771	13.64
B82F	00141 - Soeketse	C	Moderate	Low	C	12.80	0.071	12.871	7.32
B82H	00127 - Nsama	C	Moderate	High	C	10.60	0.064	10.664	6.91
B82H	00139 - Magobe	B	Moderate	Low	B	14.90	0.064	14.964	3.10
B82H	00157 - Nsama	B	Moderate	Moderate	B	14.40	0.064	14.964	11.72
B82J	00197 - Ka-Malilibone	B	Moderate	Very low	B	13.80	0.013	13.813	0.66

## 5. SURFACE-WATER - QUALITY COMPONENT FOR RIVERS

### Summary of the Quality component at EWR sites

**Table 5.1:** Olifants\_ELA1: **Upper Elands** - EcoSpecs relating to Physico-chemical data

River: Upper Elands		EWR : Olifants_ELA1	Nearest WQ site (downstream Rust De Winter Dam) B3H013. No WQ site in vicinity of EWR site. In situ reading obtaining during survey
Water quality metrics		ECOSPEC: PES AND REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq 30$ mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq 80$ mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq 70$ mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq 40$ mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq 32$ mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq 30$ mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq 6.0$ mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq 2.0$ mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq 0.058$ mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq 20$ µg/L.	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq 21$ mg/m <sup>2</sup> .	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq 72.5$ µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq 78.5$ µg/L	
	Flouride	The 95 <sup>th</sup> percentile of the data must be $\leq 3.52$ mg/L	

**Table 5.2:** Olifants\_EWR4: **Lower Wilge** - EcoSpecs relating to Physico-chemical data

River: Lower Wilge		EWR : Olifants_EWR4	Downstream B2H015Q01 Wilge River at Zusterstroom
Water quality metrics		ECOSPEC: PES AND REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq 50$ mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq 150$ mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq 92.5$ mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq 120$ mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq 80$ mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq 55$ mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq 7.0$ mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq 0.75$ mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq 0.025$ mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq 20$ µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq 21$ mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq 43.75$ µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq 48.75$ µg/L	
	Aluminium	The 95 <sup>th</sup> percentile of the data must be $\leq 62.5$ µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be $\leq 2.50$ mg/L	
	Manganese	The 95 <sup>th</sup> percentile of the data must be $\leq 99.0$ µg/L	

**Table 5.3:** Olifants\_WIL1: **Upper Wilge** - EcoSpecs relating to Physico-chemical data

River: Lower Wilge		EWR : Olifants_WIL1	Downstream B2H014Q01
Water quality metrics		ECOSPEC: PES AND REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 70mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 32 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 6.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 2.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.058 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.4:** Olifants\_EWR1: **Olifants** - EcoSpecs relating to Physico-chemical data

River: Olifants		EWR : Olifants_EWR1	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 70 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 250 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 115mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 175 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 85 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.6 – 9.2	
	Temperature	Variation of 2°C or 10% from background average temperature	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 6.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	Nitrite & Nitrite	The 50 <sup>th</sup> percentile of the data must be ≤ 3.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.091 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	



**Table 5.5:** Olifants\_EWR2: **Olifants** - EcoSpecs relating to Physico-chemical data

River: Olifants		EWR : Olifants_EWR2	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.025 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Aluminium	The 95 <sup>th</sup> percentile of the data must be ≤ 62.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 2.5 mg/L	
	Manganese	The 95 <sup>th</sup> percentile of the data must be ≤ 180 µg/L	

**Table 5.6:** OLI\_EWR3: **Kranspoortspuit** - EcoSpecs relating to Physico-chemical data

River: Kranspoortspuit		EWR : OLI_EWR3	No water quality site in vicinity of EWR
Water quality metrics		ECOSPEC: REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 70mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 32 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 0.75 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.02 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 15µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 14.56 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	



**Table 5.7:** Olifants\_SEL1: **Selons** - EcoSpecs relating to Physico-chemical data

River: Selons		EWR : Olifants_SEL1	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq 50$ mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq 150$ mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq 92.5$ mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq 120$ mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq 80$ mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq 55$ mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.6 – 9.2	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq 6.5$ mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq 2.0$ mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq 0.058$ mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq 20$ µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq 21$ mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq 43.75$ µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq 48.75$ µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be $\leq 3.52$ mg/L	
	Aluminium	The 95 <sup>th</sup> percentile of the data must be $\leq 0.15$ mg/L	
	Manganese	The 95 <sup>th</sup> percentile of the data must be $\leq 1.30$ mg/L	
	Zinc	The 95 <sup>th</sup> percentile of the data must be $\leq 36$ µg/L.	

**Table 5.8:** Olifants\_EWR8: **Olifants** - EcoSpecs relating to Physico-chemical data

River: Olifants		EWR : Olifants_EWR8	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq 50$ mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq 150$ mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq 92.5$ mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq 120$ mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq 80$ mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq 55$ mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq 7.0$ mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq 2.0$ mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq 0.058$ mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq 20$ µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq 21$ mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq 43.75$ µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq 48.75$ µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be $\leq 3.52$ mg/L	

**Table 5.9:** Olifants\_SPE1: **Spekboom** - EcoSpecs relating to Physico-chemical data

River: Lower Spekboom		EWR : Olifants_SPE1	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.025 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Aluminium	The 95 <sup>th</sup> percentile of the data must be ≤ 150 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3 mg/L	
	Manganese	The 95 <sup>th</sup> percentile of the data must be ≤ 1.3 mg/L	

**Table 5.10:** Olifants\_BLY1: **Upper Blyde** - EcoSpecs relating to Physico-chemical data

River: Upper Blyde		EWR : Olifants_BLY1	Downstream site B6H001Q01
Water quality metrics		ECOSPEC: PES AND REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 70mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 32 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 8.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 0.5 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.025 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 15 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 14.56 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 15 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 9 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 1.5 mg/L	

**Table 5.11:** Olifants\_EWR11: **Olifants** - EcoSpecs relating to Physico-chemical data

River: Olifants		EWR : Olifants_EWR11	Downstream site B7H009Q01
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 2.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.058 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.12:** Olifants\_EWR12: **Lower Blyde** - EcoSpecs relating to Physico-chemical data

River: Lower Blyde		EWR : Olifants_EWR12	Upstream site B6H004Q01
Water quality metrics		ECOSPEC: PES AND REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 70mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 32 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 8.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 0.5 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.020 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 15 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 14.56 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 15 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 19 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	

**Table 5.13:** Olifants\_EWR13: **Olifants** - EcoSpecs relating to Physico-chemical data

<b>River: Olifants</b>		<b>EWR : Olifants_EWR13</b>	Upstream site B7H007Q01
<b>Water quality metrics</b>		<b>ECOSPEC: PES and REC</b>	
<b>Major Ions</b>	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
<b>Physical variables</b>	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
<b>Nutrients</b>	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.025 mg/L	
<b>Response variables</b>	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Aluminium	The 95 <sup>th</sup> percentile of the data must be ≤ 62.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 2.5 mg/L	

**Table 5.14:** Olifants\_EWR16: **Olifants** - EcoSpecs relating to Physico-chemical data

<b>River: Olifants</b>		<b>EWR : Olifants_EWR16</b>	Downstream site B7H017Q01
<b>Water quality metrics</b>		<b>ECOSPEC: PES and REC</b>	
<b>Major Ions</b>	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 70mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 32 mg/L	
<b>Physical variables</b>	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 8.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
<b>Nutrients</b>	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 0.75 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.02 mg/L	
<b>Response variables</b>	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 2.5 mg/L	

**Table 5.15:** Olifants\_EWR3: Klein Olifants - EcoSpecs relating to Physico-chemical data

River: Klein Olifants		EWR : Olifants_EWR3	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.6 – 9.2	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 6.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 2.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.058 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.16:** Olifants\_EWR5: Olifants - EcoSpecs relating to Physico-chemical data

River: Olifants		EWR : Olifants_EWR5	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 2.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.058 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 72.5 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 78.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.17:** Olifants\_EWR6: Lower Elands - EcoSpecs relating to Physico-chemical data

River: Elands		EWR : Olifants_EWR6	Downstream site B3R005Q01
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq$ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq$ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq$ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq$ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq$ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq$ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.6 – 9.2	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq$ 6.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq$ 3.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq$ 0.091 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq$ 30 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq$ 42 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq$ 72.5 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq$ 78.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be $\leq$ 3.52 mg/L	

**Table 5.18:** Olifants\_EWR7: Olifants - EcoSpecs relating to Physico-chemical data

River: Olifants		EWR : Olifants_EWR7	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq$ 70 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq$ 250 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq$ 115 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq$ 175 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq$ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq$ 85 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.0 – 10.0	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq$ 5.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq$ 4.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq$ 0.125 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq$ 30 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq$ 42 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq$ 72.5 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq$ 78.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be $\leq$ 3.52 mg/L	



**Table 5.19:** Olifants\_EWR9: **Steelpoort** - EcoSpecs relating to Physico-chemical data

River: <b>Steelpoort</b>		EWR : <b>Olifants_EWR9</b>	No water quality site in vicinity of EWR site
Water quality metrics		ECOSPEC: <b>PES and REC</b>	
<b>Major Ions</b>	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 70 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 250 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 115 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 175 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
<b>Physical variables</b>	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 85 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.0 – 10.0	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 5.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
<b>Nutrients</b>	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 4.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.125 mg/L	
<b>Response variables</b>	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 30 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 42 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 72.5 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 78.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.20:** Olifants\_EWR10: **Steelpoort** - EcoSpecs relating to Physico-chemical data

River: <b>Lower Steelpoort</b>		EWR : <b>Olifants_EWR10</b>	No water quality site in vicinity of EWR site use upstream site B4H011Q01 (B4H11)
Water quality metrics		ECOSPEC: <b>PES, RQO and TEC</b>	
<b>Major Ions</b>	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
<b>Physical variables</b>	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 70 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.0 – 9.0	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
<b>Nutrients</b>	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 4.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.091 mg/L	
<b>Response variables</b>	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 30 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 42 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 72.5 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.8 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 0.7 mg/L	
	Aluminium	The 95 <sup>th</sup> percentile of the data must be ≤ 62.5 µg/L	
	Zinc	The 95 <sup>th</sup> percentile of the data must be ≤ 14.4 µg/L	
	Manganese	The 95 <sup>th</sup> percentile of the data must be ≤ 0.68 mg/L	

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# Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA  
REPUBLIEK VAN SUID AFRIKA

Vol. 627

22 September 2017  
September

No. 41132

**PART 2 OF 3**

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ISSN 1682-5843



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**Table 5.21:** Olifants\_EWR14a: **Upper Ga-Selati** - EcoSpecs relating to Physico-chemical data

River: Upper Ga-Selati		EWR : Olifants_EWR14a	No water quality site in vicinity of EWR site. Closest site is B7H140Q01
Water quality metrics		ECOSPEC: PES and TEC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 20 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 10 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 15 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 15 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 35 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 6.4 – 8.6	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.01 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 0.7 mg/L	

**Table 5.22:** Olifants\_EWR14b: **Lower Ga-Selati** - EcoSpecs relating to Physico-chemical data

River: Lower Ga-Selati		EWR : Olifants_EWR14b	Upstream water quality site B7H19
Water quality metrics		ECOSPEC: PES and TEC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 70 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 250 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 115 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 175 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 85 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.0 – 10.0	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 5.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 4.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.125 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 30 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 42 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 72.5 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 78.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	

**Table 5.23:** SPK\_EWR1: **Spookspuit** - EcoSpecs relating to Physico-chemical data

River: Spookspuit		EWR : SPK_EWR1	No water quality site in vicinity of EWR site, but can use downstream site B1H200Q01
Water quality metrics		ECOSPEC: PES and TEC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq 50$ mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq 250$ mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq 92.5$ mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq 120$ mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq 80$ mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq 55$ mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq 7.0$ mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq 1.0$ mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq 0.025$ mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq 20$ µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq 21$ mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq 43.75$ µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq 48.75$ µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be $\leq 2.5$ mg/L	

**Table 5.24:** DWA\_EWR1: **Dwars** - EcoSpecs relating to Physico-chemical data

River: Dwars		EWR : DWA_EWR1	No water quality site in vicinity of EWR site, use water quality site B4H9
Water quality metrics		ECOSPEC: PES and TEC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be $\leq 50$ mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be $\leq 30$ mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be $\leq 25$ mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be $\leq 20$ mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be $\leq 45$ mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be $\leq 55$ mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 7.0 – 8.7	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be $\geq 7.0$ mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be $\leq 1.0$ mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be $\leq 0.025$ mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be $\leq 20$ µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be $\leq 21$ mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be $\leq 43.75$ µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be $\leq 48.75$ µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be $\leq 0.7$ µg/L	

**Table 5.25:** OLI\_EWR8: **Origstad** - EcoSpecs relating to Physico-chemical data

River: Ohrigstad		EWR : OLI_EWR8	No water quality site in vicinity of EWR site. Use upstream water quality site B60_1000009803
Water quality metrics		ECOSPEC: PES and TEC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 20 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 20 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 15 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 15 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 25 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 6.4 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.025 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 0.5 mg/L	

**Table 5.26:** Letaba\_EWR7: **Letaba** - EcoSpecs relating to Physico-chemical data

River: Letaba		EWR: Letaba EWR7	Downstream site B8H018Q01
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 2.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.058 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.27:** Letaba\_EWR2: Letsitele - EcoSpecs relating to Physico-chemical data

River: Letsitele		EWR : Letaba EWR2	Upstream site B8H010Q01
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 50 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 150 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 92.5 mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 120 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 55 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.0 – 10.0	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 5.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 4.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.125 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 30 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 42 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 72.5 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 78.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.28:** Letaba\_EWR1: Great Letaba - EcoSpecs relating to Physico-chemical data

River: Great Letaba		EWR: Letaba_EWR1	Downstream site B8H014Q01
Water quality metrics		ECOSPEC: PES and REC	
Major Ions	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 70mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 32 mg/L	
Physical variables	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
Nutrients	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 2.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.058 mg/L	
Response variables	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 3.52 mg/L	

**Table 5.29:** Letaba\_BRO1: **Broederstroom** - EcoSpecs relating to Physico-chemical data

<b>River: Broederstroom</b>		<b>EWR : Letaba_BRO1</b>	No water quality site in vicinity of EWR site
<b>Water quality metrics</b>		<b>ECOSPEC: PES and REC</b>	
<b>Major Ions</b>	Mg	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mg/L	
	SO <sub>4</sub>	The 95 <sup>th</sup> percentile of the data must be ≤ 80 mg/L	
	Na	The 95 <sup>th</sup> percentile of the data must be ≤ 70mg/L	
	Cl	The 95 <sup>th</sup> percentile of the data must be ≤ 40 mg/L	
	Ca	The 95 <sup>th</sup> percentile of the data must be ≤ 32 mg/L	
<b>Physical variables</b>	EC	The 95 <sup>th</sup> percentile of the data must be ≤ 30 mS/m	
	pH	The 5 <sup>th</sup> and 95 <sup>th</sup> percentiles of the data must range from 5.9 – 8.8	
	Temperature	Variation of 2°C or 10% from background average temperature.	
	Dissolved oxygen	The 5 <sup>th</sup> percentile of the data must be ≥ 7.0 mg/L	
	Turbidity	Vary (small amount) from natural turbidity range; minor silting of instream habitats acceptable.	
<b>Nutrients</b>	TIN	The 50 <sup>th</sup> percentile of the data must be ≤ 1.0 mg/L	
	PO <sub>4</sub> -P	The 50 <sup>th</sup> percentile of the data must be ≤ 0.025 mg/L	
<b>Response variables</b>	Chl-a phytoplankton	The 50 <sup>th</sup> percentile of the data must be ≤ 20 µg/L	
	Chl-a periphyton	The 50 <sup>th</sup> percentile of the data must be ≤ 21 mg/m <sup>2</sup>	
	Ammonia	The 95 <sup>th</sup> percentile of the data must be ≤ 43.75 µg/L.	
	Atrazine	The 95 <sup>th</sup> percentile of the data must be ≤ 48.75 µg/L	
	Aluminium	The 95 <sup>th</sup> percentile of the data must be ≤ 62.5 µg/L	
	Fluoride	The 95 <sup>th</sup> percentile of the data must be ≤ 2.5 mg/L	

## 6. GROUNDWATER - QUANTITY COMPONENT

**Table 6.1** below contains datasets from three different groundwater Resources Directed Measures (RDM) study results since 2005 for the study area.

The sources of the datasets were: (i) Groundwater Resources Assessment Phase II (DWAF, 2005), (ii) Leshika Water Systems Management (2013 and 2014), ((iii) Exigo (2009) and SRK (2009).

Some variations in the groundwater recharge and baseflow were noted and where possible, a mean value was adopted. BHN values were calculated using a GIS algorithm around perennial river systems to differentiate between surface water and groundwater users – this application is not fully accurate as the differentiation of perennial and non-perennial river systems is vague in real time.

The prescribed GRDM algorithm was used and an “allocable groundwater” volume (MCM/a) was calculated.

Two different Stress Indexes (SRK, 2009, Exigo, 2009 and WSM, 2014)) were adopted – although significant variations between the two sources were noted in a few cases.

A groundwater quantity ranking approach was applied, based on a ranking approach followed by SRK 2009, from an Unmodified System (A) to a Critically Modified System (F). This ranking approach was applied by considering the differences between the different data sources, but specifically applying a larger weight on the actual allocable groundwater (SRK-WSM) and physical assessments from the Exigo dataset.

The allocable groundwater value (MCM/a), as well as the dependence (%) of the Reserve depending on the groundwater recharge forms the basis of the ranking process. Several cases where the allocable groundwater value is ZERO, the quantity ranking was accordingly lowered (towards D, E or F) depending on the reserve dependence on recharge.

The potential impact of groundwater abstraction on the surface water component in the quaternary catchments is listed as well and use as a factor where the groundwater allocation was ZERO.

**Table 6.1: Groundwater Resource Directed Measures (GRDM) Template (An indicator for potential surface water resources impacts due to high groundwater abstraction is added (surface water impact))**

Quaternary Catchment	Area (km <sup>2</sup> )	Recharge (Mm <sup>3</sup> /a)	Exigo <sub>2009</sub>	Rech to Aqf	Baseflow (Mm <sup>3</sup> /a)	Exigo <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MLF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Water Use (Mm <sup>3</sup> /a)	SI = Gw Use / Aqf Rech	(Mm <sup>3</sup> /a)	Reserve (% of Recharge)	Quantity (GRDM)	Water Impact	Allocable Gwater (Mm <sup>3</sup> /a)
																GRA II		
B11A	945.4	15.45	8.52	11.99	12.2	6.72	8.37	10.29		0.10	12.30	0.57	0.04	0.21	79.6	A-Unmodified	Low	2.98
B11B	435.3	6.84	4.47	5.66	5.37	2.73	3.71	4.54	0.068	0.12	5.49	0.20	0.03	0.39	80.3	A-Unmodified	Low	1.32
B11C	385.4	5.71	5.59	5.65	4.85	4.43	3.14	4.00		0.04	4.89	4.37	0.77	0.21	85.6	C-Moderately modified	Low	0.00
B11D	550.9	7.66	10.79	9.23	6.5	8.45	4.3	5.40		0.18	6.68	2.34	0.31	0.33	87.2	B-Largely Natural	Low	0.00
B11E	466.7	6.80	6.27	6.53	5.36	3.28	3.75	4.56	0.048	0.11	5.47	3.53	0.52	0.48	80.4	C-Moderately modified	Low	0.00
B11F	428.3	6.44	4.43	5.44	5.07	0.48	3.57	4.32		0.08	5.15	0.37	0.06	0.89	80.0	B-Largely Natural	Low	1.08
B11G	367.8	5.61	3.56	4.58	4.42	14.11	3.03	3.73	0.103	0.07	4.49	0.10	0.02	0.41	80.0	A-Unmodified	Low	1.17
B11H	246.0	3.78	3.01	3.40	2.97	2.33	2.03	2.50	0.024	0.04	3.01	0.46	0.12	0.23	79.6	B-Largely Natural	Low	0.41
B11J	269.4	7.08	1.90	4.49	5.6	4.03	5.17	5.39		0.45	6.05	1.88	0.06	0.15	85.5	B-Largely Natural	Moderate	0.00
B11K	378.3	9.84	3.16	6.50	7.59	0.00	7.06	7.33		0.03	7.62	0.22	0.02	0.92	77.4	B-Largely Natural	Moderate	2.25
B11L	241.8	6.05	3.48	4.77	4.95	3.28	4.6	4.78	0.996	0.01	4.96	0.06	0.01	0.06	82.0	A-Unmodified	Moderate	1.21
B12A	406.9	4.72	5.44	5.08	4.31	4.29	3.09	3.70		0.18	4.49	0.16	0.03	0.21	95.1	A-Unmodified	Low	0.26
B12B	658.5	8.62	8.79	8.70	7.81	6.09	5.15	6.48		0.08	7.89	3.84	0.45	0.31	91.5	B-Largely Natural	Low	0.00
B12C	529.0	7.20	4.58	5.89	6.54	9.52	4.24	5.39	0.109	0.04	6.58	0.21	0.03	0.23	91.4	A-Unmodified	Low	0.70
B12D	362.3	5.16	4.10	4.63	4.72	0.32	3.09	3.91	0.179	0.98	5.70	0.24	0.05	0.92	110.5	E – Seriously modified	Low	0.00
B12E	435.8	11.49	8.63	10.06	9.15	8.16	8.73	8.94	0.187	0.04	9.19	0.45	0.04	0.05	80.0	A-Unmodified	Moderate	2.21
B20A	574.3	10.26	14.45	12.35	6.6	9.21	7.39	7.00		0.48	9.84	20.57	2.00	1.00	95.9	F-Critically modified	Low	0.00
B20B	321.0	5.72	5.69	5.71	3.62	0.00	4.07	3.85		0.38	4.72	58.03	10.02	1.00	82.5	F-Critically modified	Low	0.00
B20C	363.7	6.53	4.50	5.52	4.13	12.36	4.71	4.42		0.03	4.16	0.91	0.14	0.12	63.7	B-Largely Natural	High	1.59
B20D	480.4	8.52	10.03	9.27	5.3	13.77	6.1	5.70	0.293	0.26	5.56	1.43	0.17	0.11	65.3	B-Largely Natural	Moderate	1.70
B20E	619.9	9.81	8.69	9.25	7.27	3.93	7.75	7.51		0.37	7.64	3.58	0.36	0.55	77.9	C-Moderately modified	Moderate	0.00
B20F	504.2	9.05	9.44	9.25	5.71	8.74	6.28	6.00	0.081	0.05	5.76	0.80	0.09	0.07	63.6	B-Largely Natural	Moderate	2.62
B20G	522.4	13.15	9.31	11.23	10.28	8.28	9.31	9.80	0.067	0.30	10.58	1.87	0.14	0.12	80.5	B-Largely Natural	Moderate	1.04
B20H	562.5	13.70	5.55	9.63	11.03	3.57	9.79	10.41		0.36	11.39	1.77	0.13	0.36	83.1	B-Largely Natural	Moderate	0.87



Quaternary Catchment	Area (km <sup>2</sup> )	Recharge (Mm <sup>3</sup> /a)	Exigo <sub>2009</sub>	Rech to Aqf	Baseflow (Mm <sup>3</sup> /a)	Exigo <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MLF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Use / Aqf Rech (Mm <sup>3</sup> /a)	SI = Gw Use / Aqf Rech	(Mm <sup>3</sup> /a)	Reserve (% of Recharge)	Quantity (GRDM)	Swater Impact	Allocable Gwater (Mm <sup>3</sup> /a)
	GRA II	WSM <sub>2009</sub>	Exigo <sub>2009</sub>	Ave	WSM <sub>2013</sub>	Exigo <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MLF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Use / Aqf Rech (Mm <sup>3</sup> /a)	WSM <sub>2013</sub>	Exigo <sub>2009</sub>	Reserve (% of Recharge)	Ranked	Narrative	Cal'd
B20J	407.4	10.03	7.12	8.58	8.03	6.20	7.34	7.69	0.958	0.05	8.08	1.09	0.11	0.13	80.6	B-Largely Natural	Moderate	1.14
B31A	386.6	6.09	4.43	5.26	3.77	1.99	3.15	3.46		0.04	3.81	4.81	0.79	0.55	62.6	C-Moderately modified	Moderate	0.00
B31B	385.1	5.56	9.40	7.48	3.45	6.64	2.64	3.05		0.19	3.64	1.22	0.22	0.29	65.5	B-Largely Natural	Moderate	0.71
B31C	373.4	5.14	9.23	7.19	2.75	8.71	2.27	2.51	0.076	0.00	2.75	0.82	0.16	0.07	53.5	B-Largely Natural	Moderate	1.59
B31D	557.0	7.58	10.19	8.89	4.06	6.92	3.3	3.68		0.42	4.48	1.96	0.26	0.32	59.1	B-Largely Natural	Low	1.16
B31E	1382.4	8.34	47.74	28.04	0	43.36	0	0.00		0.14	0.14	9.24	1.11	0.09	1.7	C-Moderately modified	Low	0.00
B31F	637.5	3.69	8.09	5.89	0	3.85	0	0.00		0.43	0.43	2.31	0.63	0.52	11.7	C-Moderately modified	Low	0.95
B31G	433.2	4.67	7.29	5.98	1.4	4.26	2.54	1.97	0.096	0.31	1.71	1.42	0.30	0.42	36.6	B-Largely Natural	Low	1.59
B31H	611.8	6.85	6.31	6.58	1.96	4.67	3.26	2.61		1.64	3.60	4.36	0.64	0.26	52.6	C-Moderately modified	Negligible	0.00
B31J	1379.9	7.84	27.75	17.80	0	25.02	0	0.00	0.085	0.10	0.10	30.84	3.93	0.10	1.3	E – Seriously modified	Negligible	0.00
B32A	801.4	21.18	15.31	18.24	16.26	25.10	15.2	15.73	1.717	0.05	16.31	0.54	0.03	0.07	77.0	A-Unmodified	Low	4.36
B32B	613.8	13.40	8.72	11.06	9.7	7.68	10.83	10.27		0.04	9.74	0.25	0.02	0.12	72.7	A-Unmodified	Low	3.59
B32C	302.8	3.19	4.04	3.62	1.09	2.92	4.5	2.80	0.094	0.01	1.10	3.47	1.09	0.28	34.5	C-Moderately modified	Low	0.00
B32D	521.1	4.95	9.03	6.99	3.15	8.39	1.79	2.47	0.875	0.07	3.22	3.14	0.63	0.07	65.1	C-Moderately modified	Negligible	0.00
B32E	203.2	2.43	3.05	2.74	1.59	2.81	0.89	1.24		0.01	1.60	0.19	0.08	0.08	65.8	A-Unmodified	Low	0.67
B32F	667.2	3.71	4.83	4.27	0.71	2.74	2.7	1.71	0.005	0.34	1.05	4.30	1.16	0.43	28.3	D – Largely modified	Low	0.00
B32G	967.6	8.89	15.09	11.99	1.35	6.51	6.86	4.11		1.83	3.18	5.85	0.66	0.57	35.8	C-Moderately modified	Low	0.07
B32H	693.9	10.21	13.42	11.81	5.77	11.22	4.42	5.10	0.046	0.06	5.83	2.90	0.28	0.16	57.1	B-Largely Natural	Low	1.49
B32J	322.8	1.17	2.76	1.97	0	0.58	0.05	0.03		0.44	0.44	1.01	0.86	0.79	37.6	C-Moderately modified	Negligible	0.00
B41A	764.5	18.28	8.43	13.36	14.79	5.87	12.35	13.57	0.122	0.14	14.93	0.06	0.00	0.32	81.7	A-Unmodified	Negligible	3.47
B41B	778.0	18.51	11.67	15.09	14.96	10.07	12.16	13.56		0.04	15.00	1.23	0.07	0.14	81.0	A-Unmodified	Negligible	2.45
B41C	302.4	7.19	1.96	4.57	5.79	0.00	4.6	5.20		0.02	5.81	0.54	0.08	1.00	80.8	C-Moderately modified	Negligible	0.90
B41D	402.9	4.97	6.22	5.60	2.61	5.50	5.03	3.82	0.506	0.09	2.70	1.72	0.35	0.12	54.3	B-Largely Natural	Negligible	0.59
B41E	237.1	1.17	6.79	3.98	0	5.66	0.04	0.02		0.23	0.23	0.11	0.09	0.17	19.7	A-Unmodified	Moderate	0.83
B41F	379.8	10.88	7.21	9.04	9.99	6.84	7.92	8.96		0.01	10.00	0.00	0.00	0.05	91.9	A-Unmodified	Moderate	1.03

Quaternary Catchment	Area (km <sup>2</sup> )	Recharge (Mm <sup>3</sup> /a)	Recharge to Aquifer	Baseflow (Mm <sup>3</sup> /a)	Exig <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MLF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Use (Mm <sup>3</sup> /a)	SI = Gw Use / Aquifer Recharge	(Mm <sup>3</sup> /a)	Reserve (% of Recharge)	Quantity (GRDM)	Swater Impact	Allocable Gwater (Mm <sup>3</sup> /a)
	GRA II	WSM <sub>2009</sub>	Exig <sub>2009</sub>	Ave	WSM <sub>2013</sub>	Exig <sub>2009</sub>	SRK <sub>2009</sub>	Ave		=AW+BB	Calc'd	WSM2013	Exig <sub>2009</sub>		Ranked	Narrative	Cal'd
B41G	442.1	11.41	6.71	9.06	10.34	3.98	8.48	9.41	0.01	10.35	0.38	0.03	0.41	90.7	A-Unmodified	Moderate	0.88
B41H	410.3	2.57	7.57	5.07	0	5.03	0.1	0.05	0.35	0.35	0.16	0.06	0.34	13.6	A-Unmodified	Moderate	2.06
B41J	690.8	4.31	10.88	7.59	0	6.02	0.2	0.10	0.41	0.41	0.64	0.15	0.45	9.5	A-Unmodified	Negligible	3.26
B41K	635.2	3.53	7.00	5.27	0	4.64	0.23	0.12	0.47	0.47	1.99	0.56	0.34	13.3	B-Largely Natural	High	1.07
B42A	318.9	10.64	1.86	6.25	9.81	1.41	15.41	12.61	0.02	9.83	3.46	0.33	0.24	92.4	B-Largely Natural	High	0.00
B42B	213.7	7.65	7.45	7.55	6.28	6.33	12.8	9.54	0.17	6.45	0.06	0.01	0.15	84.3	A-Unmodified	Negligible	1.29
B42C	164.1	2.66	3.45	3.05	2.57	3.08	1.39	1.98	0.00	2.57	0.00	0.00	0.11	96.6	B-Largely Natural	Negligible	0.28
B42D	154.6	6.33	3.64	4.98	5.72	3.39	11.44	8.58	0.00	5.72	0.00	0.00	0.07	90.4	A-Unmodified	Negligible	0.99
B42E	221.4	2.04	2.49	2.26	1.99	1.91	1.25	1.62	0.01	2.00	0.22	0.11	0.23	98.0	A-Unmodified	Negligible	0.00
B42F	279.1	9.39	2.52	5.96	8.55	2.09	12.42	10.49	0.01	8.56	0.22	0.02	0.17	91.2	A-Unmodified	Negligible	0.67
B42G	327.2	3.86	3.28	3.57	3.59	2.59	2.13	2.86	0.01	3.60	3.26	0.84	0.21	93.3	B-Largely Natural	Negligible	0.00
B42H	412.3	2.31	13.36	7.83	0	12.43	0.1	0.05	0.07	0.07	0.99	0.43	0.07	3.0	B-Largely Natural	Negligible	1.25
B51A	311.5	2.24	2.75	2.49	0	0.84	0.07	0.04	0.40	0.40	0.08	0.04	0.69	17.9	B-Largely Natural	Negligible	1.76
B51B	591.1	4.82	7.51	6.16	0	5.24	0.1	0.05	0.46	0.46	0.33	0.07	0.30	9.5	A-Unmodified	Negligible	4.03
B51C	638.1	4.52	6.65	5.58	0	4.67	0.07	0.04	0.45	0.45	0.22	0.05	0.30	10.0	A-Unmodified	Negligible	3.85
B51E	2926.8	6.31	38.17	22.24	0	22.43	0	0.00	0.34	0.34	8.56	1.36	0.41	5.4	D – Largely modified	Negligible	0.00
B51F	394.6	2.71	4.87	3.79	0	4.27	0.07	0.04	0.01	0.01	3.02	1.11	0.12	0.4	D – Largely modified	Negligible	0.00
B51G	590.7	3.79	6.25	5.02	0	1.85	0.07	0.04	0.97	0.97	12.43	3.28	0.70	25.6	F-Critically modified	Negligible	0.00
B51H	717.3	4.90	16.81	10.86	0	11.64	0.13	0.07	0.98	0.98	0.57	0.12	0.31	20.0	A-Unmodified	Negligible	3.35
B52A	566.1	2.58	9.96	6.27	0	6.37	0.02	0.01	0.48	0.48	0.28	0.11	0.36	18.6	A-Unmodified	Negligible	1.82
B52B	632.9	7.09	7.65	7.37	0	2.75	0.11	0.06	1.07	1.07	2.08	0.29	0.64	15.1	B-Largely Natural	High	3.94
B52C	200.4	0.96	2.25	1.60	0	1.27	0	0.00	0.16	0.16	0.22	0.23	0.43	16.7	B-Largely Natural	High	0.58
B52D	341.0	2.09	6.50	4.30	0	3.69	0.01	0.01	0.73	0.73	1.19	0.57	0.43	34.9	C-Moderately modified	Low	0.17
B52E	450.8	4.66	8.37	6.52	0	6.03	0.05	0.03	0.34	0.34	0.51	0.11	0.28	7.3	B-Largely Natural	High	3.81
B52F	118.4	0.58	1.93	1.26	0	1.41	0	0.00	0.09	0.09	0.47	0.81	0.27	15.5	C-Moderately modified	Low	0.02

Quaternary Catchment	Area (km <sup>2</sup> )	Recharge (Mm <sup>3</sup> /a)	Exig <sub>2009</sub>	Rech to Aqf	Baseflow (Mm <sup>3</sup> /a)	Exig <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MLF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Water Use (Mm <sup>3</sup> /a)	SI = Gw Use / Aqf Rech	(Mm <sup>3</sup> /a)	Reserve (% of Recharge)	Quantity (GRDM)	Swater Impact	Allocable Gwater (Mm <sup>3</sup> /a)
	GRA II	WSM <sub>2009</sub>	Exig <sub>2009</sub>	Ave	WSM <sub>2013</sub>	Exig <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MLF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Water Use (Mm <sup>3</sup> /a)	SI = Gw Use / Aqf Rech	Exig <sub>2009</sub>	Reserve (% of Recharge)	Quantity (GRDM)	Swater Impact	Allocable Gwater (Mm <sup>3</sup> /a)
B52G	290.9	1.35	6.10	3.73	0	4.36	0	0.00		0.22	0.22	0.84	0.62	0.29	16.3	C-Moderately modified	High	0.29
B52H	563.3	3.38	5.19	4.28	0	1.80	0.27	0.14		0.66	0.66	0.77	0.23	0.65	19.5	B-Largely Natural	Low	1.95
B52J	394.7	2.09	11.73	6.91	0	9.16	0.05	0.03		0.22	0.22	0.14	0.07	0.22	10.5	A-Unmodified	Negligible	1.73
B60A	209.4	12.93	10.44	11.69	11.46	9.77	48.12	29.79		0.02	11.48	0.13	0.01	0.06	88.8	A-Unmodified	High	2.23
B60B	302.2	20.22	15.36	17.79	17.18	15.09	56.91	37.05	1.501	0.01	17.19	0.00	0.00	0.02	85.0	A-Unmodified	Moderate	3.83
B60C	94.1	5.33	0.84	3.08	4.93	0.76	22.43	13.68	0.376	0.00	4.93	0.00	0.00	0.09	92.5	A-Unmodified	Moderate	0.97
B60D	243.5	15.98	9.27	12.62	14	7.61	20.57	17.29	1.694	0.15	14.15	0.00	0.00	0.18	88.5	A-Unmodified	Low	2.52
B60E	83.4	1.73	1.30	1.52	0.76	1.36	6.45	3.61		0.00	0.76	0.00	0.00	0.05	43.9	A-Unmodified	Moderate	1.00
B60F	399.3	7.68	5.55	6.61	5.43	4.40	4.45	4.94	0.097	0.01	5.44	2.71	0.35	0.21	70.8	B-Largely Natural	Negligible	0.00
B60G	448.0	4.52	7.49	6.00	1.32	6.64	3.69	2.51		0.03	1.35	3.71	0.82	0.11	29.9	C-Moderately modified	Negligible	0.00
B60H	384.6	7.58	11.30	9.44	6.15	9.84	4.37	5.26	0.181	0.14	6.29	5.34	0.70	0.18	83.0	D – Largely modified	High	0.00
B60J	675.9	13.05	9.63	11.34	6.46	8.48	32.86	19.66	2.269	0.05	6.51	1.37	0.10	0.12	49.9	A-Unmodified	High	5.21
B71A	297.6	3.37	13.61	8.49	0	12.76	0.16	0.08		0.03	0.03	0.23	0.07	0.06	0.9	A-Unmodified	Negligible	3.11
B71B	274.3	2.11	7.39	4.75	0	6.58	0.04	0.02		0.07	0.07	0.19	0.09	0.11	3.3	A-Unmodified	High	1.85
B71C	262.5	5.87	6.85	6.36	2.17	6.45	16.52	9.35		0.03	2.20	0.00	0.00	0.06	37.5	A-Unmodified	High	3.78
B71D	227.1	4.03	1.97	3.00	1.98	1.11	6.92	4.45	1.865	0.10	2.08	0.22	0.05	0.44	51.6	A-Unmodified	Negligible	1.77
B71E	781.9	6.25	4.15	5.20	0	0.00	0.3	0.15		0.80	0.80	1.55	0.25	0.90	12.8	B-Largely Natural	Negligible	3.90
B71F	540.8	12.68	21.55	17.12	9.11	20.54	22.14	15.63	2.458	0.07	9.18	0.03	0.00	0.05	72.4	A-Unmodified	Negligible	3.84
B71G	244.9	6.94	5.25	6.10	3.97	4.32	11.3	7.64		0.13	4.10	0.22	0.03	0.18	59.1	A-Unmodified	Negligible	2.87
B71H	329.7	1.56	2.47	2.02	0	1.40	0	0.00		0.20	0.20	2.52	1.62	0.43	12.8	C-Moderately modified	Negligible	0.00
B71J	78.5	0.18	0.48	0.33	0	0.36	0	0.00	3.011	0.01	0.01	0.00	0.00	0.26	5.6	A-Unmodified	Negligible	0.17
B72A	534.0	12.53	8.29	10.41	8.64	5.57	19.8	14.22		0.54	9.18	3.01	0.24	0.33	73.3	B-Largely Natural	Moderate	0.56
B72B	331.7	1.37	3.02	2.20	0	2.81	0	0.00	0.285	0.00	0.00	0.06	0.04	0.07	0.0	A-Unmodified	High	1.31
B72C	334.7	1.88	3.87	2.88	0	3.46	0	0.00		0.05	0.05	0.07	0.04	0.11	2.7	A-Unmodified	Negligible	1.76
B72D	922.2	6.54	8.72	7.63	0	7.55	0	0.00	7.339	0.01	0.01	4.49	0.69	0.13	0.2	B-Largely Natural	Negligible	2.04

Quaternary Catchment	Area (km <sup>2</sup> )	Recharge (Mm <sup>3</sup> /a)	Exig <sub>2009</sub>	Rech to Aqf	Baseflow (Mm <sup>3</sup> /a)	Exig <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MIF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Water Use (Mm <sup>3</sup> /a)	SI = Gw Use / Aqf Rech	(Mm <sup>3</sup> /a)	Reserve (% of Recharge)	Quantity (GRDM)	Swater Impact	Allocable Gwater (Mm <sup>3</sup> /a)
	GRA II	WSM <sub>2019</sub>	Exig <sub>2009</sub>	Ave	WSM <sub>2013</sub>	Exig <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MIF (Mm <sup>3</sup> /a)	BHN Reserve (Mm <sup>3</sup> /a)	Total Gw Reserve (Mm <sup>3</sup> /a)	Total Gw Water Use (Mm <sup>3</sup> /a)	WSM <sub>2013</sub>	Exig <sub>2009</sub>	Reserve (% of Recharge)	Ranked	Narrative	Cal'd
B72E	320.1	8.54	2.76	5.65	4.9	0.36	12.71	8.81	0.024	0.45	5.35	0.90	0.11	0.87	62.6	B-Largely Natural	Negligible	2.48
B72F	81.2	2.27	2.31	2.29	1.3	2.26	4.11	2.71		0.00	1.30	0.00	0.00	0.02	57.3	A-Unmodified	Negligible	1.07
B72G	47.9	0.12	0.56	0.34	0	0.48	0	0.00		0.01	0.01	0.43	3.58	0.13	8.3	E – Seriously modified	High	0.00
B72H	385.7	1.94	3.25	2.60	0	2.69	0	0.00		0.01	0.01	0.92	0.47	0.17	0.5	B-Largely Natural	Negligible	1.01
B72J	537.4	2.91	2.64	2.77	0	2.22	0	0.00		0.03	0.03	0.16	0.05	0.16	1.0	A-Unmodified	Negligible	2.72
B72K	965.9	3.45	10.73	7.09	0	7.27	0	0.00	0.172	0.52	0.52	0.61	0.18	0.38	15.1	A-Unmodified	Negligible	2.32
B73A	164.5	2.20	2.76	2.48	1.29	1.07	11.37	6.33		0.00	1.29	0.00	0.00	0.61	58.6	A-Unmodified	Negligible	1.04
B73B	687.7	2.19	4.53	3.36	0	3.34	0	0.00	0.122	0.01	0.01	2.75	1.26	0.26	0.5	C-Moderately modified	Negligible	0.00
B73C	880.0	3.19	11.16	7.18	0	10.12	0	0.00		0.65	0.65	1.01	0.32	0.09	20.4	A-Unmodified	Negligible	1.53
B73D	687.0	2.34	7.40	4.87	0	6.68	0	0.00		0.00	0.00	1.20	0.51	0.11	0.0	B-Largely Natural	Negligible	1.14
B73E	430.5	2.51	3.55	3.03	0	0.00	0	0.00		0.00	0.00	0.35	0.14	1.00	0.0	B-Largely Natural	Negligible	2.16
B73F	506.8	3.37	9.96	6.66	0	9.79	0	0.00		0.00	0.00	0.00	0.00	0.02	0.0	A-Unmodified	High	3.37
B73G	733.2	4.31	15.44	9.88	0	12.84	0	0.00		0.00	0.00	0.00	0.00	0.07	0.0	A-Unmodified	High	4.31
B73H	301.8	1.50	2.40	1.95	0	2.32	0	0.00		0.00	0.00	0.00	0.00	0.03	0.0	A-Unmodified	High	1.50
B73J	254.5	1.55	2.07	1.81	0	0.00	0	0.00	7.713	0.00	0.00	0.00	0.00	0.89	0.0	A-Unmodified	High	1.55
B81A	169.1	10.34		10.34	7.57			7.57	0.058	0.00	7.57	0.15	0.01	0.01	73.2	A-Unmodified	High	10.19
B81B	481.2	20.32		20.32	1.12			1.12	0.398	0.00	1.12	2.64	0.13	0.13	5.5	B-Largely Natural	High	17.68
B81C	208.4	16.27		16.27	10.54			10.54		0.00	10.54	5.47	0.34	0.34	64.8	C – Moderately modified	Moderate	10.80
B81D	478.8	12.84		12.84	1.59			1.59		3.00	4.59	4.13	0.32	0.32	35.7	C-Moderately modified	Negligible	8.71
B81E	664.9	18.20		18.20	0.04			0.04	0.32	0.59	0.63	15.75	0.87	0.87	3.5	D – Largely modified	Negligible	2.45
B81F	1199.7	18.47		18.47	0.06			0.06		0.00	0.06	7.94	0.43	0.43	0.3	D - Largely modified	Negligible	10.53
B81G	512.5	12.58		12.58	0.13			0.13		0.00	0.13	5.06	0.40	0.40	1.0	D – Largely modified	Negligible	7.52
B81H	667.7	8.80		8.80	0.01			0.01		0.00	0.01	2.62	0.30	0.30	0.1	C – Moderately modified	Negligible	6.18
B81J	567.0	6.34		6.34	0			0		0.00	0.00	0.00	0.00	0.00	0.0	A - Unmodified	Negligible	6.34
B82A	466.6	11.36		11.36	6.45			6.45		1.45	7.90	2.93	0.26	0.26	69.5	B-Largely Natural	Low	8.43

Quaternary Catchment	Area (km <sup>2</sup> )	Recharge (Mm/a)	Rech to Aqf	Baseflow (Mm3/a)	Exig <sub>2009</sub>	SRK <sub>2009</sub>	Ave	EWR_MLF (Mm3/a)	BHN Reserve (Mm3/a)	Total Gw Reserve (Mm3/a)	Total Gwater Use (Mm3/a)	SI = Gw Use / Aqf Rech	(Mm3/a)	Reserve (% of Recharge)	Quantity (GRDM)	Swater Impact	Allocable Gwater (Mm3/a)
	GRA II	WSM <sub>2009</sub>	Exig <sub>2009</sub>	Ave	WSM <sub>2013</sub>	Exig <sub>2009</sub>	Ave			=AW+BB	Calc'd	WSM <sub>2013</sub>	Exig <sub>2009</sub>		Ranked	Narrative	Cal'd
B82B	406.3	9.50		9.50	5.47		5.47		0.00	5.47	14.50	1.53	1.53	57.6	F-Critically modified	Low	0.00
B82C	299.7	7.14		7.14	3.27		3.27		0.00	3.27	13.00	1.82	1.82	45.8	E – Seriously modified	Low	5.83
B82D	631.7	10.35		10.35	4.76		4.76		4.00	8.76	4.52	0.44	0.44	84.6	D-Largely modified	Low	0.00
B82E	423.4	8.05		8.05	0.21		0.21		0.00	0.21	1.45	0.18	0.18	2.6	C – Moderately modified	Low	6.60
B82F	759.8	14.30		14.30	1		1		0.00	1.00	1.43	0.10	0.10	7.0	B – Largely natural	Low	12.87
B82G	920.2	10.75		10.75	0.01		0.01		0.00	0.01	0.06	0.01	0.06	0.1	B – Largely natural	Negligible	10.15
B82J	748.7	9.27		9.27	0.01		0.01		0.00	0.01	0.00	0.00	0.00	0.1	A – Unmodified	Negligible	9.27
B82H	793.7	8.36		8.36	0.01		0.01		0.00	0.01	0.16	0.02	0.02	0.1	A – Unmodified	Negligible	8.36
B83A	1250.0	11.77		11.77	0.01		0.01		0.00	0.01	0.00	0.00	0.00	0.1	A – Unmodified	Negligible	11.77
B83B	438.8	5.71		5.71	0		0		0.00	0.00	0.00	0.00	0.00	0.0	A – Unmodified	Negligible	5.71
B83C	596.0	7.70		7.70	0.01		0.01		0.00	0.01	0.00	0.00	0.00	0.1	A – Unmodified	Negligible	7.70
B83D	783.7	7.88		7.88	0		0	2.015	0.00	0.00	0.00	0.00	0.00	0.0	A – Unmodified	Negligible	7.88
B83E	311.8	3.11		3.11	0		0		0.00	0.00	0.00	0.00	0.00	0.0	A – Unmodified	Negligible	3.11

## 7. GROUNDWATER - QUALITY COMPONENT

The basic human needs Reserve provides for the essential needs of individuals served by the water resource in question and includes water for drinking, food preparation and for personal hygiene. A life-line amount of 25 litres per person per day was used.

In the Reserve determinations of the quality component during Intermediate/Comprehensive assessments the ambient groundwater quality is compared to the Class 1 recommended value (SANS 241:2006). The lowest or more conservative value of the two is selected. In instances where the ambient value is selected, it is increased by 10 per cent. In instances where the ambient quality, of geological origin exceeds the recommended value, the ambient water quality is used. These poor water quality areas will become exclusion zones in determining the Basic Human Needs Reserve Requirement. The groundwater quality should comply with the target water quality ranges as shown in **Table 7.1** and **Table 7.2**. **Table 7.3** shows a summary of the results for the quality aspects at quaternary level in terms of the BHN.

**Table 7.1:** Chemical water quality

Chemical Parameter	Target Water Quality Ranges <sup>1</sup>				
	Units	Class 0	Class I	Class II	Class III
Calcium as Ca	mg/l	0 - 80	80 - 150	150 - 300	> 300
Magnesium as Mg	mg/l	0 - 30	30 - 70	70 - 100	> 100
Sodium as Na	mg/l	0 - 100	100 - 200	200 - 400	> 400
Chloride as Cl	mg/l	0 - 100	100 - 200	200 - 600	> 600
Sulphate as SO <sub>4</sub>	mg/l	0 - 200	200 - 400	400 - 600	> 600
Nitrate as NO <sub>x</sub> -N	mg/l	0 - 6	6 - 10	10 - 20	> 20
Flouride as F	mg/l	0 - 1	1 - 1.5	1.5 - 3.5	> 3.5
Faecal coliforms	counts/100ml	0	0 - 1	1 - 10	> 10

1) Ref: South African Water Quality Guidelines, Volume 1: Domestic Water Use, 2<sup>nd</sup> Ed. 1996. Department of Water Affairs and Forestry. Pretoria, South Africa.

2) Ref: South African Water Quality Guidelines, Volume 1: Domestic Water Use, 2<sup>nd</sup> Ed. 1996. Department of Water Affairs and Forestry. Pretoria, South Africa.

**Table 7.2:** Physical water quality

Physical Parameter	Target Water Quality Ranges <sup>2</sup>				
	Units	Class 0	Class I	Class II	Class III
pH (pH Units)		6 - 9	5 - 6 & 9 - 9.5	4 - 5 & > 9.5 - 10	< 4 or > 10
Total Dissolved Solids	mg/l	0 - 450	450 - 1000	1000 - 2450	> 2450
Electrical Conductivity	mS/m	0 - 70	70 - 150	150 - 300	> 370

**NOTE:**

**Class 0** This is ideal water quality, suitable for lifetime use, with no adverse health effects on the user. This class is essentially the same as the target water quality range in the 2<sup>nd</sup> edition of the *South African Water Quality Guidelines for Domestic Use* (DWAf, 1996).

**Class I** Water in this class is safe for lifetime use, but falls short of the ideal water quality in that there may be instances of adverse health effects, but these are usually mild, and overt health effects are almost sub-clinical and difficult to demonstrate. Water in Class I does not cause health effects under normal circumstances. Aesthetic effects may, however, be apparent.

**Class II** Water in this class is defined as that where adverse health effects are unusual for limited short-term use. Adverse health effects may become more common particularly with prolonged use over many years, or with lifetime use. This class represents water suitable for short-term or emergency use only, but not necessarily suitable for continuous use over a lifetime.

**Class III** This water has constituents in a concentration range where serious health effects might be anticipated, particularly in infants or elderly people with short-term use, and even more so with longer term use. The water in this class is not suitable for use as drinking water without adequate treatment to shift the water into a lower and safer class.

**NOTE: THE WATER QUALITY FOR THE FOLLOWING QUATERNARY CATCHMENTS WERE NOT ASSESSED DUE TO INSUFFICIENT INFORMATION (LACK OF REPRESENTABLE GROUNDWATER QUALITY DATA):**

B11A, B11B, B11C, B11D, B11E, B11F, B11G, B11H, B11K, B11L, B11K, B11L, B12A, B12B, B12C, B12D, B12E, B20B, B20D, B20E, B20F, B20G, B20H, B20J, B21A, B31A, B31B, B31C, B31D, B31E, B31F, B31G, B32A, B32B, B32C, B32D, B32E, B41A, B41B, B41F, B42A, B42C, B42D, B42E, B42G, B42H, B51D, B51E, B51F, B60A, B60B, B60C, B60E, B60F, B60H, B60J, B71A, B71B, B71C, B71D, B71E, B71F, B71G, B71H, B71J, B72A, B72B, B72C, B72D, B72E, B72F, B72G, B72H, B72J, B73B, B72C, B72D, B72G, B72H, B72J, B81A, B81B, B81F, B81J, B82C, B82H, B83A, B83C, B83D, B83E

**Table 7.3:** The results of the Groundwater Component – Quality Aspects

Chemical Parameter	Unit	Olifants River Catchment QC B20A			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	95	8.23	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	95	43.7	<150	48
Calcium as Ca	mg/l	95	32.1	<150	35
Magnesium as Mg	mg/l	95	22.2	<100	24
Sodium as Na	mg/l	95	10.0	<200	11
Potassium as K	mg/l	95	2.14	<50	2.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	95	150.8	N/A	165
Chloride as Cl	mg/l	95	15.5	<200	17
Sulphate as SO <sub>4</sub>	mg/l	95	15.2	<400	16
Nitrate as NO <sub>x</sub> -N	mg/l	95	0.36	<10	0.40
Fluoride as F	Mg/l	95	0.17	<1.0	0.19
Water quality class					<b>Class 0</b>
<sup>1</sup> Median value (calculated from population of samples in QC). <sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.					

Chemical Parameter	Unit	Olifants River Catchment QC B31H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	28	8.201	5.0 – 9.5	8.50
Electrical Conductivity	mS/m	28	123.85	<150	136
Calcium as Ca	mg/l	28	74.3495	<150	81
Magnesium as Mg	mg/l	28	74.3055	<100	81
Sodium as Na	mg/l	28	93.461	<200	102
Potassium as K	mg/l	28	3.2095	<50	3.5
Total Alkalinity as CaCO <sub>3</sub>	mg/l	28	402.9	N/A	403 <sup>4)</sup>
Chloride as Cl	mg/l	28	71.0795	<200	78
Sulphate as SO <sub>4</sub>	mg/l	28	44.199	<400	48
Nitrate as NO <sub>x</sub> -N	mg/l	28	25.0555	<10	25.0
Fluoride as F	Mg/l	28	0.6355	<1.0	0.7
Water quality class					Class III
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve. <sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.					
Chemical Parameter	Unit	Olifants River Catchment QC B31J			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	83	7.927	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	83	89.3	<150	98
Calcium as Ca	mg/l	83	64.445	<150	70
Magnesium as Mg	mg/l	83	34.851	<100	38
Sodium as Na	mg/l	83	41.59	<200	45
Potassium as K	mg/l	83	6.61	<50	7.2
Total Alkalinity as CaCO <sub>3</sub>	mg/l	83	156.554	N/A	172
Chloride as Cl	mg/l	83	113.12	<200	124
Sulphate as SO <sub>4</sub>	mg/l	83	71.082	<400	78
Nitrate as NO <sub>x</sub> -N	mg/l	83	9.768	<10	9.8
Fluoride as F	Mg/l	83	0.387	<1.0	0.5
Water quality class					Class I
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.					



Chemical Parameter	Unit	Olifants River Catchment QC B32F			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	71	7.53	5.0 – 9.5	7.75
Electrical Conductivity	mS/m	71	10.9	<150	11
Calcium as Ca	mg/l	71	5.129	<150	5
Magnesium as Mg	mg/l	71	1.8	<100	1
Sodium as Na	mg/l	71	9.383	<200	10
Potassium as K	mg/l	71	2.98	<50	3.2
Total Alkalinity as CaCO <sub>3</sub>	mg/l	71	30	N/A	33
Chloride as Cl	mg/l	71	5	<200	5
Sulphate as SO <sub>4</sub>	mg/l	71	4.1	<400	4
Nitrate as NO <sub>x</sub> -N	mg/l	71	0.462	<10	0.5
Fluoride as F	Mg/l	71	0.26	<1.0	0.3
Water quality class					Class 0

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B32H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	10	8.07	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	10	32.75	<150	36
Calcium as Ca	mg/l	10	15.4205	<150	16
Magnesium as Mg	mg/l	10	3.919	<100	4
Sodium as Na	mg/l	10	27.375	<200	30
Potassium as K	mg/l	10	1.7715	<50	1.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	10	76.44	N/A	84
Chloride as Cl	mg/l	10	19.831	<200	21
Sulphate as SO <sub>4</sub>	mg/l	10	3.1255	<400	3
Nitrate as NO <sub>x</sub> -N	mg/l	10	2.7245	<10	2.9
Fluoride as F	Mg/l	10	0.684	<1.0	0.75
Water quality class					Class 0

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B32J			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	20	8.1255	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	20	34.75	<150	38
Calcium as Ca	mg/l	20	25.0525	<150	27
Magnesium as Mg	mg/l	20	3.9455	<100	4
Sodium as Na	mg/l	20	36.878	<200	40
Potassium as K	mg/l	20	3.288	<50	3.6
Total Alkalinity as CaCO <sub>3</sub>	mg/l	20	119.036	N/A	130
Chloride as Cl	mg/l	20	22.976	<200	25
Sulphate as SO <sub>4</sub>	mg/l	20	6.497	<400	7
Nitrate as NO <sub>x</sub> -N	mg/l	20	0.6245	<10	0.6
Fluoride as F	Mg/l	20	2.7755	<1.0	2.8
Water quality class					Class III

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B41C			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	35	8.13	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	35	55.2	<150	60
Calcium as Ca	mg/l	35	66.099	<150	72
Magnesium as Mg	mg/l	35	26.2	<100	28
Sodium as Na	mg/l	35	13.01	<200	14
Potassium as K	mg/l	35	0.5	<50	0.5
Total Alkalinity as CaCO <sub>3</sub>	mg/l	35	274.083	N/A	275
Chloride as Cl	mg/l	35	10.8	<200	11
Sulphate as SO <sub>4</sub>	mg/l	35	11.118	<400	12
Nitrate as NO <sub>x</sub> -N	mg/l	35	0.703	<10	0.7
Fluoride as F	Mg/l	35	0.11	<1.0	0.12
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B41D			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	20	7.345	5.0 – 9.5	7.75
Electrical Conductivity	mS/m	20	10.78	<150	11
Calcium as Ca	mg/l	20	6.4	<150	7
Magnesium as Mg	mg/l	20	2.059	<100	2
Sodium as Na	mg/l	20	7.424	<200	8
Potassium as K	mg/l	20	2.5015	<50	2.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	20	32.708	N/A	35
Chloride as Cl	mg/l	20	5	<200	5
Sulphate as SO <sub>4</sub>	mg/l	20	4.956	<400	5
Nitrate as NO <sub>x</sub> -N	mg/l	20	0.294	<10	0.3
Fluoride as F	Mg/l	20	0.4065	<1.0	0.44
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B41E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	37	8.028	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	37	29	<150	31
Calcium as Ca	mg/l	37	18.1	<150	19
Magnesium as Mg	mg/l	37	4.039	<100	4
Sodium as Na	mg/l	37	21.117	<200	23
Potassium as K	mg/l	37	4.456	<50	4.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	37	109.16	N/A	120
Chloride as Cl	mg/l	37	7.398	<200	8
Sulphate as SO <sub>4</sub>	mg/l	37	6.603	<400	7
Nitrate as NO <sub>x</sub> -N	mg/l	37	1.531	<10	1.6
Fluoride as F	Mg/l	37	0.379	<1.0	0.41
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B41G			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	13	8.055	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	13	59.2	<150	65
Calcium as Ca	mg/l	13	51.605	<150	56
Magnesium as Mg	mg/l	13	29.374	<100	32
Sodium as Na	mg/l	13	23.522	<200	25
Potassium as K	mg/l	13	0.796	<50	0.8
Total Alkalinity as CaCO <sub>3</sub>	mg/l	13	244	N/A	268
Chloride as Cl	mg/l	13	17.18	<200	18
Sulphate as SO <sub>4</sub>	mg/l	13	10.187	<400	11
Nitrate as NO <sub>x</sub> -N	mg/l	13	0.055	<10	0.1
Fluoride as F	Mg/l	13	0.1	<1.0	0.11
Water quality class					Class I
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.					
Chemical Parameter	Unit	Olifants River Catchment QC B41H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	109	8.187	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	109	91	<150	100
Calcium as Ca	mg/l	109	70.6	<150	77
Magnesium as Mg	mg/l	109	47.88	<100	52
Sodium as Na	mg/l	109	45.1	<200	49
Potassium as K	mg/l	109	0.995	<50	1.1
Total Alkalinity as CaCO <sub>3</sub>	mg/l	109	259.5	N/A	285
Chloride as Cl	mg/l	109	58.3	<200	64
Sulphate as SO <sub>4</sub>	mg/l	109	44.6715	<400	49
Nitrate as NO <sub>x</sub> -N	mg/l	109	5.692	<10	6.2
Fluoride as F	Mg/l	109	0.24	<1.0	0.26
Water quality class					Class I
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.					

Chemical Parameter	Unit	Olifants River Catchment QC B41J			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	134	8.292	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	134	89.45	<150	98
Calcium as Ca	mg/l	134	37.69	<150	41
Magnesium as Mg	mg/l	134	71.6125	<100	78
Sodium as Na	mg/l	134	29.1	<200	32
Potassium as K	mg/l	134	1.2445	<50	1.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	134	345.7	<330	346 <sup>4)</sup>
Chloride as Cl	mg/l	134	43.5825	<200	47
Sulphate as SO <sub>4</sub>	mg/l	134	30.315	<400	33
Nitrate as NO <sub>x</sub> -N	mg/l	134	6.5185	<10	7.1
Fluoride as F	Mg/l	134	0.1275	<1.0	0.14
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B41K			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	60	8.1035	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	60	110.75	<150	121
Calcium as Ca	mg/l	60	54.651	<150	60
Magnesium as Mg	mg/l	60	61.1175	<100	67
Sodium as Na	mg/l	60	81.835	<200	90
Potassium as K	mg/l	60	2.789	<50	3.1
Total Alkalinity as CaCO <sub>3</sub>	mg/l	60	362.1	N/A	362 <sup>4)</sup>
Chloride as Cl	mg/l	60	80.582	<200	88
Sulphate as SO <sub>4</sub>	mg/l	60	40.9105	<400	45
Nitrate as NO <sub>x</sub> -N	mg/l	60	3.9235	<10	4.3
Fluoride as F	Mg/l	60	0.484	<1.0	0.53
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B42B			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3</sup>
pH	–	39	7.523	5.0 – 9.5	7.75
Electrical Conductivity	mS/m	40	5.76	<150	6
Calcium as Ca	mg/l	40	4.299	<150	4
Magnesium as Mg	mg/l	40	2.176	<100	2
Sodium as Na	mg/l	40	2.19	<200	2
Potassium as K	mg/l	40	0.3275	<50	0.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	40	17.932	N/A	19
Chloride as Cl	mg/l	40	3.25	<200	3.
Sulphate as SO <sub>4</sub>	mg/l	40	3	<400	3
Nitrate as NO <sub>x</sub> -N	mg/l	40	0.6955	<10	0.8
Fluoride as F	Mg/l	40	0.104	<1.0	0.11
Water quality class					Class 0

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B42F			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3</sup>
pH	–	37	7.93	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	37	59	<150	64
Calcium as Ca	mg/l	37	17.146	<150	18
Magnesium as Mg	mg/l	37	52.835	<100	58
Sodium as Na	mg/l	37	14.4	<200	15
Potassium as K	mg/l	37	0.853	<50	0.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	37	154.3	N/A	169
Chloride as Cl	mg/l	37	53.976	<200	59
Sulphate as SO <sub>4</sub>	mg/l	37	17.706	<400	19
Nitrate as NO <sub>x</sub> -N	mg/l	37	8.679	<10	9.5
Fluoride as F	Mg/l	37	0.206	<1.0	0.22
Water quality class					Class I

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B51A			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	50	7.568	5.0 – 9.5	7.75
Electrical Conductivity	mS/m	50	14.4	<150	15
Calcium as Ca	mg/l	50	6.838	<150	7
Magnesium as Mg	mg/l	50	2.27	<100	2
Sodium as Na	mg/l	50	11.348	<200	12
Potassium as K	mg/l	50	3.835	<50	4.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	50	35.5425	N/A	39
Chloride as Cl	mg/l	50	6.6835	<200	7
Sulphate as SO <sub>4</sub>	mg/l	50	2	<400	2
Nitrate as NO <sub>x</sub> -N	mg/l	50	3.5095	<10	3.8
Fluoride as F	Mg/l	50	0.418	<1.0	0.45
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B51B			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	62	7.908	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	62	20.95	<150	23
Calcium as Ca	mg/l	62	9.1095	<150	10
Magnesium as Mg	mg/l	62	2.1195	<100	2
Sodium as Na	mg/l	62	18.919	<200	20
Potassium as K	mg/l	62	2.91	<50	3.2
Total Alkalinity as CaCO <sub>3</sub>	mg/l	62	62.909	N/A	69
Chloride as Cl	mg/l	62	8.565	<200	9
Sulphate as SO <sub>4</sub>	mg/l	62	3.091	<400	3
Nitrate as NO <sub>x</sub> -N	mg/l	62	1.0575	<10	1.2
Fluoride as F	Mg/l	62	0.9945	<1.0	1.0
Water quality class					<b>Class II</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B51C			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3</sup>
pH	–	55	7.954	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	55	51.4	<150	56
Calcium as Ca	mg/l	55	40.544	<150	44
Magnesium as Mg	mg/l	55	8.812	<100	9
Sodium as Na	mg/l	55	47.532	<200	52
Potassium as K	mg/l	55	3.095	<50	3.4
Total Alkalinity as CaCO <sub>3</sub>	mg/l	55	122.026	N/A	134
Chloride as Cl	mg/l	55	41.026	<200	45
Sulphate as SO <sub>4</sub>	mg/l	55	18.15	<400	19
Nitrate as NO <sub>x</sub> -N	mg/l	55	3.955	<10	4.3
Fluoride as F	Mg/l	55	2.171	<1.0	2.2
Water quality class					Class III

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B51E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3</sup>
pH	–	117	8.04	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	117	112.2	<150	123
Calcium as Ca	mg/l	117	86.1	<150	94
Magnesium as Mg	mg/l	117	54.055	<100	59
Sodium as Na	mg/l	117	61.675	<200	67
Potassium as K	mg/l	117	4.345	<50	4.8
Total Alkalinity as CaCO <sub>3</sub>	mg/l	117	260.7	N/A	286
Chloride as Cl	mg/l	117	74.8	<200	82
Sulphate as SO <sub>4</sub>	mg/l	117	58.789	<400	64
Nitrate as NO <sub>x</sub> -N	mg/l	117	23.174	<10	23
Fluoride as F	Mg/l	117	0.345	<1.0	0.4
Water quality class					Class III

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.



Chemical Parameter	Unit	Olifants River Catchment QC B51G			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3</sup>
pH	–	168	8.2285	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	168	90.6	<150	99
Calcium as Ca	mg/l	168	54.406	<150	59
Magnesium as Mg	mg/l	168	35.9285	<100	39
Sodium as Na	mg/l	168	61.381	<200	67
Potassium as K	mg/l	168	3.785	<50	4.1
Total Alkalinity as CaCO <sub>3</sub>	mg/l	168	250.4975	N/A	275
Chloride as Cl	mg/l	168	82.078	<200	90
Sulphate as SO <sub>4</sub>	mg/l	168	17.7	<400	19
Nitrate as NO <sub>x</sub> -N	mg/l	168	5.333	<10	5.8
Fluoride as F	Mg/l	168	0.2945	<1.0	0.32
Water quality class					Class I

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B51H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3</sup>
pH	–	219	7.978	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	219	39.3	<150	43
Calcium as Ca	mg/l	219	25.6	<150	28
Magnesium as Mg	mg/l	219	5.1	<100	5
Sodium as Na	mg/l	219	33.852	<200	37
Potassium as K	mg/l	219	2.979	<50	3.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	219	103.8	N/A	114
Chloride as Cl	mg/l	219	27.699	<200	30
Sulphate as SO <sub>4</sub>	mg/l	219	6.5	<400	7
Nitrate as NO <sub>x</sub> -N	mg/l	219	2.75	<10	3.1
Fluoride as F	Mg/l	219	0.818	<1.0	1.00 <sup>4</sup>
Water quality class					Class II

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B52A			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	95	8.251	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	95	116.3	<150	127
Calcium as Ca	mg/l	95	69.871	<150	76
Magnesium as Mg	mg/l	95	47.17	<100	51
Sodium as Na	mg/l	95	113.292	<200	124
Potassium as K	mg/l	95	6.052	<50	6.6
Total Alkalinity as CaCO <sub>3</sub>	mg/l	95	320.786	N/A	321 <sup>4)</sup>
Chloride as Cl	mg/l	95	142.676	<200	156
Sulphate as SO <sub>4</sub>	mg/l	95	48.865	<400	53
Nitrate as NO <sub>x</sub> -N	mg/l	95	14.852	<10	14.9
Fluoride as F	Mg/l	95	1.232	<1.0	1.23 <sup>4)</sup>
Water quality class					Class II
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve. <sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.					
Chemical Parameter	Unit	Olifants River Catchment QC B52B			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	267	8.175	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	268	94.3	<150	103
Calcium as Ca	mg/l	268	78.1675	<150	85
Magnesium as Mg	mg/l	268	52.385	<100	57
Sodium as Na	mg/l	268	48.44	<200	53
Potassium as K	mg/l	268	0.932	<50	1.0
Total Alkalinity as CaCO <sub>3</sub>	mg/l	268	336.5035	N/A	337 <sup>4)</sup>
Chloride as Cl	mg/l	268	58.677	<200	64
Sulphate as SO <sub>4</sub>	mg/l	268	23.316	<400	25
Nitrate as NO <sub>x</sub> -N	mg/l	268	12.3475	<10	13.5
Fluoride as F	Mg/l	268	0.173	<1.0	0.19
Water quality class					Class II
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve. <sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.					

Chemical Parameter	Unit	Olifants River Catchment QC B52C			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	15	8.12	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	15	76.4	<150	84
Calcium as Ca	mg/l	15	57.541	<150	63
Magnesium as Mg	mg/l	15	26.2	<100	28
Sodium as Na	mg/l	15	48.3	<200	53
Potassium as K	mg/l	15	2.526	<50	2.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	15	259.21	N/A	285
Chloride as Cl	mg/l	15	42.701	<200	46
Sulphate as SO <sub>4</sub>	mg/l	15	15.788	<400	17
Nitrate as NO <sub>x</sub> -N	mg/l	15	4.477	<10	4.9
Fluoride as F	Mg/l	15	0.282	<1.0	0.31
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B52D			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	66	8.124	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	66	129	<150	141
Calcium as Ca	mg/l	66	80.419	<150	88
Magnesium as Mg	mg/l	66	75.161	<100	82
Sodium as Na	mg/l	66	73.681	<200	81
Potassium as K	mg/l	66	3.373	<50	3.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	66	368.735	N/A	369 <sup>4)</sup>
Chloride as Cl	mg/l	66	155.5865	<200	171
Sulphate as SO <sub>4</sub>	mg/l	66	68.1475	<400	74
Nitrate as NO <sub>x</sub> -N	mg/l	66	8.625	<10	9.5
Fluoride as F	Mg/l	66	0.463	<1.0	0.50
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B52E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	92	8.19	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	92	187	<150	<150 <sup>4</sup>
Calcium as Ca	mg/l	92	93.099	<150	102
Magnesium as Mg	mg/l	92	99.779	<100	109
Sodium as Na	mg/l	92	130.3125	<200	143
Potassium as K	mg/l	92	0.9365	<50	1.1
Total Alkalinity as CaCO <sub>3</sub>	mg/l	92	353.535	N/A	354 <sup>4</sup>
Chloride as Cl	mg/l	92	271.372	<200	271 <sup>4</sup>
Sulphate as SO <sub>4</sub>	mg/l	92	92.543	<400	101
Nitrate as NO <sub>x</sub> -N	mg/l	92	20.1515	<10	20.2
Fluoride as F	Mg/l	92	0.1425	<1.0	0.16
Water quality class					Class III

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B52F			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	16	8.2865	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	16	63.55	<150	69
Calcium as Ca	mg/l	16	39.18	<150	43
Magnesium as Mg	mg/l	16	19.85	<100	21
Sodium as Na	mg/l	16	76.3	<200	83
Potassium as K	mg/l	16	2.86	<50	3.1
Total Alkalinity as CaCO <sub>3</sub>	mg/l	16	260.7275	<330	286
Chloride as Cl	mg/l	16	26.6075	<200	29
Sulphate as SO <sub>4</sub>	mg/l	16	8.8	<400	9
Nitrate as NO <sub>x</sub> -N	mg/l	16	1.1595	<10	1.2
Fluoride as F	Mg/l	16	1.45	<1.0	1.5
Water quality class					Class II

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B52G			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	29	8.152	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	29	105.1	<150	115
Calcium as Ca	mg/l	29	84.691	<150	93
Magnesium as Mg	mg/l	29	69.516	<100	76
Sodium as Na	mg/l	29	52.144	<200	57
Potassium as K	mg/l	29	2.33	<50	2.5
Total Alkalinity as CaCO <sub>3</sub>	mg/l	29	356.471	<330	356 <sup>4)</sup>
Chloride as Cl	mg/l	29	94.103	<200	103
Sulphate as SO <sub>4</sub>	mg/l	29	31	<400	34
Nitrate as NO <sub>x</sub> -N	mg/l	29	12.666	<10	12.7
Fluoride as F	Mg/l	29	0.253	<1.0	0.27
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B52H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	64	8.094	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	64	91.65	<150	100
Calcium as Ca	mg/l	64	58.418	<150	64
Magnesium as Mg	mg/l	64	32.033	<100	35
Sodium as Na	mg/l	64	62.1165	<200	68
Potassium as K	mg/l	64	2.675	<50	2.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	64	241.4405	N/A	265
Chloride as Cl	mg/l	64	71.774	<200	78
Sulphate as SO <sub>4</sub>	mg/l	64	26.55	<400	29
Nitrate as NO <sub>x</sub> -N	mg/l	64	9.7805	<10	9.8
Fluoride as F	Mg/l	64	0.538	<1.0	0.59
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B52J			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	78	8.144	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	78	109.35	<150	120
Calcium as Ca	mg/l	78	69.1765	<150	76
Magnesium as Mg	mg/l	78	71.318	<100	78
Sodium as Na	mg/l	78	62.3	<200	68
Potassium as K	mg/l	78	1.63	<50	1.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	78	334.125	N/A	367
Chloride as Cl	mg/l	78	86.681	<200	95
Sulphate as SO <sub>4</sub>	mg/l	78	52.3	<400	57
Nitrate as NO <sub>x</sub> -N	mg/l	78	10.5165	<10	11
Fluoride as F	Mg/l	78	0.135	<1.0	0.14
Water quality class					<b>Class II</b>
<sup>1</sup> Median value (calculated from population of samples in QC). <sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.					
Chemical Parameter	Unit	Olifants River Catchment QC B60D			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	42	8.1615	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	42	44.65	<150	49
Calcium as Ca	mg/l	42	45.0725	<150	49
Magnesium as Mg	mg/l	42	26.8335	<100	29
Sodium as Na	mg/l	42	5.362	<200	5
Potassium as K	mg/l	42	0.512	<50	0.5
Total Alkalinity as CaCO <sub>3</sub>	mg/l	42	211.7055	N/A	232
Chloride as Cl	mg/l	42	5	<200	5
Sulphate as SO <sub>4</sub>	mg/l	42	4.35	<400	4
Nitrate as NO <sub>x</sub> -N	mg/l	42	2.74	<10	3.0
Fluoride as F	Mg/l	42	0.183	<1.0	0.20
Water quality class					<b>Class I</b>
<sup>1</sup> Median value (calculated from population of samples in QC). <sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.					

Chemical Parameter	Unit	Olifants River Catchment QC B60G			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	12	8.2325	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	12	61.6	<150	67
Calcium as Ca	mg/l	12	40.2825	<150	44
Magnesium as Mg	mg/l	12	32.098	<100	35
Sodium as Na	mg/l	12	45.8895	<200	50
Potassium as K	mg/l	12	0.6575	<50	0.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	12	233.8585	N/A	257
Chloride as Cl	mg/l	12	50.102	<200	55
Sulphate as SO <sub>4</sub>	mg/l	12	14.519	<400	15
Nitrate as NO <sub>x</sub> -N	mg/l	12	1.812	<10	1.9
Fluoride as F	Mg/l	12	0.453	<1.0	0.49
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B60H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	26	7.998	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	26	51.25	<150	56
Calcium as Ca	mg/l	26	41.6925	<150	45
Magnesium as Mg	mg/l	26	21.389	<100	23
Sodium as Na	mg/l	26	18.465	<200	20
Potassium as K	mg/l	26	0.6945	<50	0.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	26	204.4145	N/A	224
Chloride as Cl	mg/l	26	15.6565	<200	17
Sulphate as SO <sub>4</sub>	mg/l	26	10.8385	<400	11
Nitrate as NO <sub>x</sub> -N	mg/l	26	0.916	<10	1.0
Fluoride as F	Mg/l	26	0.1825	<1.0	0.20
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B60J			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	22	7.819	5.0 – 9.5	8.00
Electrical Conductivity	mS/m	22	148	<150	150 <sup>4</sup>
Calcium as Ca	mg/l	22	73.509	<150	80
Magnesium as Mg	mg/l	22	60.6	<100	66
Sodium as Na	mg/l	22	154.017	<200	169
Potassium as K	mg/l	22	3.585	<50	3.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	22	381.78	N/A	382 <sup>4</sup>
Chloride as Cl	mg/l	22	166.4	<200	183
Sulphate as SO <sub>4</sub>	mg/l	22	82.4675	<400	90
Nitrate as NO <sub>x</sub> -N	mg/l	22	7.887	<10	8.7
Fluoride as F	Mg/l	22	0.62	<1.0	0.68
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B71A			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	25	8.18	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	25	75.9	<150	83
Calcium as Ca	mg/l	25	41.692	<150	45
Magnesium as Mg	mg/l	25	35.6	<100	39
Sodium as Na	mg/l	25	27.457	<200	30
Potassium as K	mg/l	25	2.488	<50	2.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	25	239.8	N/A	263
Chloride as Cl	mg/l	25	43.299	<200	47
Sulphate as SO <sub>4</sub>	mg/l	25	14.9	<400	16
Nitrate as NO <sub>x</sub> -N	mg/l	25	3.908	<10	4.3
Fluoride as F	Mg/l	25	0.2	<1.0	0.22
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.



Chemical Parameter	Unit	Olifants River Catchment QC B71B			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	22	8.245	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	22	116.45	<150	128
Calcium as Ca	mg/l	22	43.1465	<150	47
Magnesium as Mg	mg/l	22	86.0155	<100	94
Sodium as Na	mg/l	22	58.222	<200	64
Potassium as K	mg/l	22	2.425	<50	2.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	22	393.132	N/A	393 <sup>4</sup>
Chloride as Cl	mg/l	22	111.8245	<200	123
Sulphate as SO <sub>4</sub>	mg/l	22	39.897	<400	43
Nitrate as NO <sub>x</sub> -N	mg/l	22	4.1535	<10	4.6
Fluoride as F	Mg/l	22	0.161	<1.0	0.17
Water quality class					Class II

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B71D			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	9	8.123	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	9	70	<150	77
Calcium as Ca	mg/l	9	33.574	<150	36
Magnesium as Mg	mg/l	9	18.525	<100	20
Sodium as Na	mg/l	9	18.321	<200	20
Potassium as K	mg/l	9	3.815	<50	4.1
Total Alkalinity as CaCO <sub>3</sub>	mg/l	9	219.423	N/A	241
Chloride as Cl	mg/l	9	35.581	<200	39
Sulphate as SO <sub>4</sub>	mg/l	9	9.179	<400	10
Nitrate as NO <sub>x</sub> -N	mg/l	9	0.515	<10	0.6
Fluoride as F	Mg/l	9	0.18	<1.0	0.19
Water quality class					Class I

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B71E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	180	8.283	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	180	93.05	<150	102
Calcium as Ca	mg/l	180	42.4955	<150	46
Magnesium as Mg	mg/l	180	73.983	<100	81
Sodium as Na	mg/l	180	34.421	<200	37
Potassium as K	mg/l	180	1.402	<50	1.5
Total Alkalinity as CaCO <sub>3</sub>	mg/l	180	363.32	N/A	363 <sup>4)</sup>
Chloride as Cl	mg/l	180	55.85	<200	61
Sulphate as SO <sub>4</sub>	mg/l	177	25.37	<400	27
Nitrate as NO <sub>x</sub> -N	mg/l	180	10.442	<10	10.4
Fluoride as F	Mg/l	180	0.1155	<1.0	0.12
Water quality class					Class II
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve. <sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.					
Chemical Parameter	Unit	Olifants River Catchment QC B71F			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	46	8.2235	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	46	84.5	<150	92
Calcium as Ca	mg/l	46	74.201	<150	81
Magnesium as Mg	mg/l	46	37.6255	<100	41
Sodium as Na	mg/l	46	44.6935	<200	49
Potassium as K	mg/l	46	2.189	<50	2.4
Total Alkalinity as CaCO <sub>3</sub>	mg/l	46	258.762	N/A	284
Chloride as Cl	mg/l	46	88.4355	<200	97
Sulphate as SO <sub>4</sub>	mg/l	46	51.892	<400	57
Nitrate as NO <sub>x</sub> -N	mg/l	46	0.925	<10	1.0
Fluoride as F	Mg/l	46	0.3	<1.0	0.33
Water quality class					Class I
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.					

Chemical Parameter	Unit	Olifants River Catchment QC B71G			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	16	8.216	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	16	65.6	<150	72
Calcium as Ca	mg/l	16	52.8585	<150	58
Magnesium as Mg	mg/l	16	47.3295	<100	52
Sodium as Na	mg/l	16	13.832	<200	15
Potassium as K	mg/l	16	1.1435	<50	1.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	16	304.0185	N/A	304 <sup>4</sup>
Chloride as Cl	mg/l	16	16.358	<200	17
Sulphate as SO <sub>4</sub>	mg/l	16	11.1915	<400	12
Nitrate as NO <sub>x</sub> -N	mg/l	16	2.496	<10	2.7
Fluoride as F	Mg/l	16	0.2525	<1.0	0.27
Water quality class					Class II

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B71H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	56	7.945	5.0 – 9.5	8.0
Electrical Conductivity	mS/m	56	93.6	<150	102
Calcium as Ca	mg/l	56	55.15	<150	60
Magnesium as Mg	mg/l	56	31.1	<100	34
Sodium as Na	mg/l	56	68.05	<200	74.
Potassium as K	mg/l	56	2.465	<50	2.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	56	303.4585	N/A	303 <sup>4</sup>
Chloride as Cl	mg/l	56	65.056	<200	71
Sulphate as SO <sub>4</sub>	mg/l	56	12.6	<400	13
Nitrate as NO <sub>x</sub> -N	mg/l	56	0.741	<10	0.8
Fluoride as F	Mg/l	56	0.446	<1.0	0.49
Water quality class					Class II

<sup>1</sup> Median value (calculated from population of samples in QC).

<sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B72A			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	100	7.915	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	100	46.45	<150	51
Calcium as Ca	mg/l	100	33.95	<150	37
Magnesium as Mg	mg/l	100	16.7285	<100	18
Sodium as Na	mg/l	100	30.7	<200	33
Potassium as K	mg/l	100	1.8155	<50	1.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	100	176.85	N/A	194
Chloride as Cl	mg/l	100	23.8	<200	26
Sulphate as SO <sub>4</sub>	mg/l	100	7.112	<400	7
Nitrate as NO <sub>x</sub> -N	mg/l	100	1.0335	<10	1.1
Fluoride as F	Mg/l	100	0.2755	<1.0	0.30
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B72C			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	26	8.17	5.0 – 9.5	8.50
Electrical Conductivity	mS/m	26	125.65	<150	138
Calcium as Ca	mg/l	26	51.7	<150	56
Magnesium as Mg	mg/l	26	37.25	<100	40
Sodium as Na	mg/l	26	175.8	<200	193
Potassium as K	mg/l	26	2.63	<50	2.8
Total Alkalinity as CaCO <sub>3</sub>	mg/l	26	442.65	N/A	443 <sup>4)</sup>
Chloride as Cl	mg/l	26	138.187	<200	152
Sulphate as SO <sub>4</sub>	mg/l	26	20.564	<400	22
Nitrate as NO <sub>x</sub> -N	mg/l	26	0.66	<10	0.7
Fluoride as F	Mg/l	26	0.7885	<1.0	0.86
Water quality class					<b>Class II</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B72E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	101	8.035	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	101	53.3	<150	58
Calcium as Ca	mg/l	101	39.2	<150	43
Magnesium as Mg	mg/l	101	26.2	<100	28
Sodium as Na	mg/l	101	26.5	<200	29
Potassium as K	mg/l	101	0.898	<50	0.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	101	236.548	N/A	260
Chloride as Cl	mg/l	101	13.9	<200	15
Sulphate as SO <sub>4</sub>	mg/l	101	4.3	<400	4
Nitrate as NO <sub>x</sub> -N	mg/l	101	1.927	<10	2.1
Fluoride as F	Mg/l	101	0.227	<1.0	0.24
Water quality class					Class I
<sup>1</sup> Median value (calculated from population of samples in QC). <sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3</sup> The median plus 10% for the Groundwater Quality Reserve.					
Chemical Parameter	Unit	Olifants River Catchment QC B72J			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	47	8.038	5.0 – 9.5	8.50
Electrical Conductivity	mS/m	47	110.23	<150	121
Calcium as Ca	mg/l	47	64.86	<150	71
Magnesium as Mg	mg/l	47	69.761	<100	76
Sodium as Na	mg/l	47	69.6	<200	76
Potassium as K	mg/l	47	0.65	<50	0.7
Total Alkalinity as CaCO <sub>3</sub>	mg/l	47	381.88	N/A	382 <sup>4)</sup>
Chloride as Cl	mg/l	47	101.636	<200	111
Sulphate as SO <sub>4</sub>	mg/l	47	41.281	<400	45
Nitrate as NO <sub>x</sub> -N	mg/l	47	9.989	<10	10
Fluoride as F	Mg/l	47	0.3	<1.0	0.33
Water quality class					Class II
<sup>1</sup> Median value (calculated from population of samples in QC). <sup>2</sup> Upper limit of Class I water quality (DWAf et al 1998). <sup>3</sup> The median plus 10% for the Groundwater Quality Reserve. <sup>4</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.					

Chemical Parameter	Unit	Olifants River Catchment QC B72K			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	61	8.21	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	61	180	<150	180 <sup>4)</sup>
Calcium as Ca	mg/l	61	61.681	<150	67
Magnesium as Mg	mg/l	61	61.2	<100	67
Sodium as Na	mg/l	61	223.785	<200	224 <sup>4)</sup>
Potassium as K	mg/l	61	5.38	<50	5.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	61	459	N/A	459 <sup>4)</sup>
Chloride as Cl	mg/l	61	244.7	<200	245 <sup>4)</sup>
Sulphate as SO <sub>4</sub>	mg/l	61	54.8	<400	60
Nitrate as NO <sub>x</sub> -N	mg/l	61	9.088	<10	9.9
Fluoride as F	Mg/l	61	0.642	<1.0	0.70
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B73A			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	25	7.67	5.0 – 9.5	8.00
Electrical Conductivity	mS/m	25	22.6	<150	24
Calcium as Ca	mg/l	25	10.3	<150	11
Magnesium as Mg	mg/l	25	3.6	<100	3
Sodium as Na	mg/l	25	28.4	<200	31
Potassium as K	mg/l	25	1.3	<50	1.4
Total Alkalinity as CaCO <sub>3</sub>	mg/l	25	84.6	N/A	93
Chloride as Cl	mg/l	25	9.2	<200	10
Sulphate as SO <sub>4</sub>	mg/l	25	4.9	<400	5
Nitrate as NO <sub>x</sub> -N	mg/l	25	0.93	<10	1.0
Fluoride as F	Mg/l	25	0.398	<1.0	0.43
Water quality class					Class 0

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B73E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	50	8.16	5.0 – 9.5	8.50
Electrical Conductivity	mS/m	50	80.3	<150	88
Calcium as Ca	mg/l	50	40.7885	<150	44
Magnesium as Mg	mg/l	50	21.05	<100	23
Sodium as Na	mg/l	50	102.9	<200	113
Potassium as K	mg/l	50	2.203	<50	2.4
Total Alkalinity as CaCO <sub>3</sub>	mg/l	50	281.2	N/A	309
Chloride as Cl	mg/l	50	55.35	<200	60
Sulphate as SO <sub>4</sub>	mg/l	50	10.85	<400	11
Nitrate as NO <sub>x</sub> -N	mg/l	50	3.3105	<10	3.6
Fluoride as F	Mg/l	50	0.99	<1.0	1.0
Water quality class					<b>Class I</b>
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.					
Chemical Parameter	Unit	Olifants River Catchment QC B73F			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	19	8.346	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	19	50.5	<150	55
Calcium as Ca	mg/l	19	15.864	<150	17
Magnesium as Mg	mg/l	19	30.272	<100	33
Sodium as Na	mg/l	19	43.2	<200	47
Potassium as K	mg/l	19	1.893	<50	2.0
Total Alkalinity as CaCO <sub>3</sub>	mg/l	19	197.544	N/A	217
Chloride as Cl	mg/l	19	32.906	<200	36
Sulphate as SO <sub>4</sub>	mg/l	19	10.439	<400	11
Nitrate as NO <sub>x</sub> -N	mg/l	19	1.443	<10	1.5
Fluoride as F	Mg/l	19	0.333	<1.0	0.36
Water quality class					<b>Class 0</b>
<sup>1)</sup> Median value (calculated from population of samples in QC). <sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998). <sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.					

Chemical Parameter	Unit	Olifants River Catchment QC B81C			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	64	7.689	5.0 – 9.5	8.00
Electrical Conductivity	mS/m	64	22.6185	<150	25
Calcium as Ca	mg/l	64	13.7065	<150	15
Magnesium as Mg	mg/l	64	4.2295	<100	5
Sodium as Na	mg/l	63	16.8	<200	18
Potassium as K	mg/l	61	2.638	<50	2.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	64	46.5115	N/A	51
Chloride as Cl	mg/l	64	23.9395	<200	26
Sulphate as SO <sub>4</sub>	mg/l	64	3	<400	3
Nitrate as NO <sub>x</sub> -N	mg/l	64	3.5385	<10	3.9
Fluoride as F	Mg/l	63	0.14	<1.0	0.15
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B81D			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	178	7.827	5.0 – 9.5	8.0
Electrical Conductivity	mS/m	178	44.65	<150	49
Calcium as Ca	mg/l	178	36.9385	<150	41
Magnesium as Mg	mg/l	178	21.843	<100	24
Sodium as Na	mg/l	175	17.5	<200	19
Potassium as K	mg/l	175	0.542	<50	0.6
Total Alkalinity as CaCO <sub>3</sub>	mg/l	177	187.634	N/A	206
Chloride as Cl	mg/l	178	11.9215	<200	13
Sulphate as SO <sub>4</sub>	mg/l	178	4.6	<400	5
Nitrate as NO <sub>x</sub> -N	mg/l	177	1.949	<10	2.1
Fluoride as F	Mg/l	177	0.192	<1.0	0.21
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.



Chemical Parameter	Unit	Olifants River Catchment QC B81E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	144	8.077	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	144	45.25	<150	50
Calcium as Ca	mg/l	144	27.84	<150	31
Magnesium as Mg	mg/l	144	15.55	<100	17
Sodium as Na	mg/l	144	33.4565	<200	37
Potassium as K	mg/l	144	2.6485	<50	2.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	144	166.2245	N/A	183
Chloride as Cl	mg/l	144	27.5525	<200	30
Sulphate as SO <sub>4</sub>	mg/l	144	5.85	<400	6
Nitrate as NO <sub>x</sub> -N	mg/l	144	0.784	<10	0.9
Fluoride as F	Mg/l	144	0.34	<1.0	0.37
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B81G			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	298	7.99	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	298	83.35	<150	92
Calcium as Ca	mg/l	298	44.047	<150	48
Magnesium as Mg	mg/l	298	33.068	<100	36
Sodium as Na	mg/l	298	68.3885	<200	75
Potassium as K	mg/l	298	2.0605	<50	2.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	298	266.67	N/A	293
Chloride as Cl	mg/l	298	63.85	<200	70
Sulphate as SO <sub>4</sub>	mg/l	298	10.42	<400	11
Nitrate as NO <sub>x</sub> -N	mg/l	298	3.7285	<10	4.1
Fluoride as F	Mg/l	298	0.471	<1.0	0.52
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B81H			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	169	8.208	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	169	175	<150	<175 <sup>4)</sup>
Calcium as Ca	mg/l	169	74.8	<150	82
Magnesium as Mg	mg/l	169	72.6	<100	80
Sodium as Na	mg/l	169	164.759	<200	181
Potassium as K	mg/l	169	5.781	<50	6.4
Total Alkalinity as CaCO <sub>3</sub>	mg/l	169	435.6	N/A	436 <sup>4)</sup>
Chloride as Cl	mg/l	169	232.193	<200	232 <sup>4)</sup>
Sulphate as SO <sub>4</sub>	mg/l	169	27.609	<400	30
Nitrate as NO <sub>x</sub> -N	mg/l	168	11.143	<10	12.3
Fluoride as F	Mg/l	168	0.605	<1.0	0.67
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B82A			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	59	7.854	5.0 – 9.5	8.00
Electrical Conductivity	mS/m	58	63	<150	69
Calcium as Ca	mg/l	59	38.951	<150	43
Magnesium as Mg	mg/l	59	27.147	<100	30
Sodium as Na	mg/l	59	43.935	<200	48
Potassium as K	mg/l	59	2.66	<50	2.9
Total Alkalinity as CaCO <sub>3</sub>	mg/l	59	232.8	N/A	256
Chloride as Cl	mg/l	59	40.451	<200	44
Sulphate as SO <sub>4</sub>	mg/l	59	11.214	<400	12
Nitrate as NO <sub>x</sub> -N	mg/l	59	2.506	<10	2.8
Fluoride as F	Mg/l	58	0.317	<1.0	0.35
Water quality class					Class I

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B82C			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	31	7.76	5.0 – 9.5	8.00
Electrical Conductivity	mS/m	31	33.2	<150	37
Calcium as Ca	mg/l	31	21.981	<150	24
Magnesium as Mg	mg/l	31	11.7	<100	13
Sodium as Na	mg/l	30	21.188	<200	23
Potassium as K	mg/l	30	1.3995	<50	1.5
Total Alkalinity as CaCO <sub>3</sub>	mg/l	31	109	N/A	120
Chloride as Cl	mg/l	31	20.489	<200	23
Sulphate as SO <sub>4</sub>	mg/l	31	4.6	<400	5
Nitrate as NO <sub>x</sub> -N	mg/l	31	2.878	<10	3.2
Fluoride as F	Mg/l	31	0.218	<1.0	0.24
Water quality class					Class 0

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B82D			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	249	8.06	5.0 – 9.5	8.50
Electrical Conductivity	mS/m	249	76.5	<150	84
Calcium as Ca	mg/l	249	42.482	<150	47
Magnesium as Mg	mg/l	249	44.02	<100	48
Sodium as Na	mg/l	248	55.2845	<200	61
Potassium as K	mg/l	248	5.2555	<50	5.8
Total Alkalinity as CaCO <sub>3</sub>	mg/l	248	260.05	N/A	286
Chloride as Cl	mg/l	249	50.5	<200	56
Sulphate as SO <sub>4</sub>	mg/l	249	14.488	<400	16
Nitrate as NO <sub>x</sub> -N	mg/l	248	9.7535	<10	9.8
Fluoride as F	Mg/l	248	0.302	<1.0	0.33
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B82E			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	113	7.958	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	113	65.5	<150	72
Calcium as Ca	mg/l	113	34.922	<150	38
Magnesium as Mg	mg/l	113	30.514	<100	34
Sodium as Na	mg/l	108	37.64	<200	41
Potassium as K	mg/l	108	5.0595	<50	5.6
Total Alkalinity as CaCO <sub>3</sub>	mg/l	113	183.846	N/A	200
Chloride as Cl	mg/l	113	49.127	<200	54
Sulphate as SO <sub>4</sub>	mg/l	113	16.067	<400	18
Nitrate as NO <sub>x</sub> -N	mg/l	113	5.914	<10	6.5
Fluoride as F	Mg/l	113	0.197	<1.0	0.22
Water quality class					<b>Class 0</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B82F			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	232	8.032	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	232	63.05	<150	69
Calcium as Ca	mg/l	232	33.353	<150	37
Magnesium as Mg	mg/l	232	36.834	<100	41
Sodium as Na	mg/l	231	29.3	<200	32
Potassium as K	mg/l	231	3.831	<50	4.2
Total Alkalinity as CaCO <sub>3</sub>	mg/l	228	212.5	<330	234
Chloride as Cl	mg/l	232	38.3085	<200	42
Sulphate as SO <sub>4</sub>	mg/l	232	11.063	<400	12
Nitrate as NO <sub>x</sub> -N	mg/l	228	6.0725	<10	6.7
Fluoride as F	Mg/l	227	0.276	<1.0	0.30
Water quality class					<b>Class I</b>

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAf et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

Chemical Parameter	Unit	Olifants River Catchment QC B82G			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	220	8.19	5.0 – 9.5	8.5
Electrical Conductivity	mS/m	220	112.85	<150	124
Calcium as Ca	mg/l	220	52.8	<150	58
Magnesium as Mg	mg/l	220	62.807	<100	69
Sodium as Na	mg/l	218	84.9	<200	93
Potassium as K	mg/l	218	3.669	<50	4.0
Total Alkalinity as CaCO <sub>3</sub>	mg/l	219	368.1	N/A	370 <sup>4)</sup>
Chloride as Cl	mg/l	220	92.0335	<200	101
Sulphate as SO <sub>4</sub>	mg/l	220	17.0815	<400	19
Nitrate as NO <sub>x</sub> -N	mg/l	218	4.6245	<10	5.1
Fluoride as F	Mg/l	217	0.469	<1.0	0.52
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B82J			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	26	8.0975	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	26	176.5	<150	177 <sup>4)</sup>
Calcium as Ca	mg/l	26	75.872	<150	83
Magnesium as Mg	mg/l	26	184.0145	<100	184 <sup>4)</sup>
Sodium as Na	mg/l	26	70.92	<200	78
Potassium as K	mg/l	26	6.5275	<50	7.2
Total Alkalinity as CaCO <sub>3</sub>	mg/l	26	454.1	N/A	454 <sup>4)</sup>
Chloride as Cl	mg/l	26	205.8395	<200	206 <sup>4)</sup>
Sulphate as SO <sub>4</sub>	mg/l	26	29.3965	<400	32
Nitrate as NO <sub>x</sub> -N	mg/l	26	9.4955	<10	10.4
Fluoride as F	Mg/l	26	0.536	<1.0	0.59
Water quality class					Class II

<sup>1)</sup> Median value (calculated from population of samples in QC).

<sup>2)</sup> Upper limit of Class I water quality (DWAF et al 1998).

<sup>3)</sup> The median plus 10% for the Groundwater Quality Reserve.

<sup>4)</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.

Chemical Parameter	Unit	Olifants River Catchment QC B83B			
		No. of Samples	Ambient GW quality or median <sup>1)</sup>	BHN Reserve <sup>2)</sup>	Groundwater Quality Reserve <sup>3)</sup>
pH	–	22	7.5	5.0 – 9.5	8.00
Electrical Conductivity	mS/m	18	105.991	<150	117
Calcium as Ca	mg/l	22	484	<150	484 <sup>4</sup>
Magnesium as Mg	mg/l	20	4.691	<100	5
Sodium as Na	mg/l	22	105.219	<200	116
Potassium as K	mg/l	20	3.953	<50	4.3
Total Alkalinity as CaCO <sub>3</sub>	mg/l	21	484	N/A	484 <sup>4</sup>
Chloride as Cl	mg/l	22	105	<200	116
Sulphate as SO <sub>4</sub>	mg/l	22	4.69	<400	5
Nitrate as NO <sub>x</sub> -N	mg/l	21	3.95	<10	4.3
Fluoride as F	Mg/l	20	0.70	<1.0	0.77
Water quality class					Class III
<sup>1</sup> Median value (calculated from population of samples in QC). <sup>2</sup> Upper limit of Class I water quality (DWAF et al 1998). <sup>3</sup> The median plus 10% for the Groundwater Quality Reserve. <sup>4</sup> Natural geological conditions may cause elevated dissolved solids in groundwater.					

**Please note:**

In the case of Karoo Supergroup aquifers and the Rustenburg Layered Suite, magnesium (Mg), sodium (Na) and chloride (Cl) values are elevated due to these elements being part of the primary sediment/crystalline rock chemistry and are released into the groundwater due to weathering/decomposing processes.

Elevated values of total alkalinity is a general groundwater hydrochemical phenomenon in South Africa and could only in specific cases be the result of poor water quality management.

Elevated values for nitrate (NO<sub>3</sub>-N) has been noted through all of the sub-catchments, except the lower Letaba catchment (B83), and values of ~45 to 50 mg/l has been noted in the 95th percentile slot.

The observed groundwater quality criteria in terms of water quality for basic human needs (BHN) is significantly impacted by elevated values for nitrate (NO<sub>3</sub>-N) – therefore groundwater reserve values for nitrate has been set at the median values which in all cases (except the Central Olifants

## 8. WETLAND RESERVE

Important quaternary catchments identified during a team workshop in July 2015 were considered for possible field visits based on a review of the available literature and a scan of the existing wetland databases. Quaternary catchments were identified for further investigation, many of which were then also targeted for field investigations.

The catchments were selected based on the following considerations:

- Important wetlands that should possibly be visited (already identified/prioritised in the current Reserve documents) for various reasons; and/or
- Potential gaps where additional important wetlands may exist and which should possibly also be included or prioritised in the Reserve process.

**Table 8.1** identifies the priority wetlands in the Olifants and Letaba catchments and summarises the PES, EIS, REC and ecological specifications for the identified priority wetlands.

Table 8.1: Table showing results of the prioritised wetlands.

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
1	B11E Oli_1.1	Blesbokspruit wetland Floodplain	-26.222	29.059	E/F	High	C	Improve the existing flow distribution and retention patterns in the system. Improve the current PES category and maintain the High EIS. Rehabilitation measures should be implemented in this system to improve its current state to a sustainable state. Existing vegetation types and structure must be improved.
1	B11E Oli_1.2	Rietspruit wetland Unchannelled valley bottom; Channelled valley bottom	-26.252	29.103	D	High	C	Improve the existing flow distribution and retention patterns in the system. Improve the current PES category and maintain the High EIS. The unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability. Rehabilitation measures should be implemented in this system to improve its current state.
1	B11D Oli_1.3	Kriel wetland Channelled valley bottom	-26.268	29.229	C/D	Moderate	C	Existing flow distribution and retention patterns must be improved. Rehabilitation is required in order to prevent further loss in water quality enhancement functions. Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
1	B11F Oli_1.4	Klippoortjespruit wetland Unchannelled valley bottom	-26.087	29.141	D	High	C	Improve the existing flow distribution and retention patterns in the system. Improve the current PES category and maintain the High EIS. Unchannelled nature of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
1	B11B	Koringspruit wetland	-26.094	29.385	D	Moderate	C	Existing flow distribution and retention patterns must be improved.



IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
	Oli_1.5	Channelled valley bottom (section of unchannelled valley bottom)						The unchannelled section of the wetland must be maintained in an unchannelled state.  Rehabilitation is required in order to prevent channelization of the remaining unchannelled reach and further loss of wetland function.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
1	B11K Oli_1.6	Klipspruit wetland Unchannelled valley bottom	-25.801	29.135	D	High	C	The unchannelled nature of the wetland must be maintained.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
1	B12A Oli_1.7	Klein-Olifants tributary Channelled valley bottom; Hillslope seepage	-26.057	29.746	D	High	C	Existing flow distribution and retention patterns must be maintained or improved. Rehabilitation should be implemented to secure existing functions and values.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.  Lateral flow inputs from hillslope seepage wetlands must be protected through application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.
1	B12B Oli_1.8	Matla wetland Channelled valley bottom	-26.037	29.815	C	Moderate	C	Existing flow distribution and retention patterns must be maintained or improved.  Rehabilitation should be implemented to secure existing functions and values.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.  Lateral flow inputs from hillslope seepage wetlands must be protected through the application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
1	B12B Oli_1.9	Woes-alleenspruit wetland Unchannelled valley bottom	-25.990	29.581	C	Moderate to High	C	The unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
1	B12B Oli_1.10	Bosmanspruit wetland Unchannelled valley bottom	-25.909	29.715	C	Moderate to High	C	The unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
1	B12C Oli_1.11	Kopernyn wetland Unchannelled valley bottom; Channelled valley bottom; Hillslope seepage	-25.847	29.720	C	High	B/C	The unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability. Rehabilitation should be implemented to secure existing functions and values. Interflow driving hillslope seepage wetlands and lateral flow inputs from these hillslope seepage wetlands must be protected through application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.
1	B11C Oli_1.12	Debeerspruit/ Pekespruit floodplain	-26.391	29.322	A/B	High	A/B	Any application for development including mining likely to impact this system, besides going through the normal licensing processes, should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC. Maintain the existing flow distribution and retention patterns in the system. Maintain the current PES category and maintain the High EIS. Existing vegetation types and structure must be maintained within natural seasonal variability.

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
1	B11A Oli_1.13	Viskule floodplain complex Floodplain	-26.261	29.492	C	High to Very High	A/B to B/C	<p>The unchannelled nature of sections of the wetland must be maintained.</p> <p>Existing vegetation types and structure must be maintained or improved within natural seasonal variability.</p> <p>Any application for development including mining likely to impact this system, besides going through the normal licensing processes, should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC.</p> <p>Improve the existing flow distribution and retention patterns in the system.</p> <p>Improve the current PES category and maintain the High EIS.</p> <p>Lateral flow inputs from hillslope seepage wetlands must be protected through application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.</p>
1	B11C Oli_1.14	Steenkoolspruit floodplain	-26.337	29.354	D	High	C	<p>Existing vegetation types and structure must be maintained or improved within natural seasonal variability.</p> <p>Any application for development including mining likely to impact this system, besides going through the normal licensing processes, should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC.</p> <p>It is essential to maintain or improve the existing flow distribution and retention patterns in the system in order to maintain the current PES category and High EIS.</p> <p>Lateral flow inputs from hillslope seepage wetlands must be protected through application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.</p>

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
2	B20C Oli_2.1	Elandsvelei pans Pan/depression; Hillslope seepage	-25.996	28.463	C	High	B	<p>No increase in cultivation or habitat transformation within the pan catchments should be permitted.</p> <p>Water quality impacts to the pan system must be restricted to ensure that the water and sediment chemistry remain within an acceptable normal range (anion and cation concentration to pan volume relationship) for this particular water chemistry pan type.</p> <p>Lateral flow inputs from the catchment and hillslope seepage wetlands must be protected through the application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.</p>
2	B20B Oli_2.2	Koffiespruit tributary Unchannelled valley bottom	-26.071	28.599	A/B	Moderate to High	A/B	<p>It is essential to maintain the existing flow distribution and retention patterns in the system in order to maintain the current PES category.</p> <p>Unchannelled nature of sections of the wetland must be maintained.</p> <p>Existing vegetation types and structure must be maintained or improved within natural seasonal variability.</p>
2	B20A Oli_2.3	Delmas wetland Unchannelled valley bottom	-26.137	28.690	D	Moderate	C	<p>The unchannelled nature of sections of the wetland must be maintained.</p> <p>Existing vegetation types and structure must be maintained or improved within natural seasonal variability.</p> <p>Any application resulting in an increase in hardened surfaces should be accompanied by a detailed stormwater management plan including details attenuation of storm flows.</p> <p>Rehabilitation should be implemented to secure and improve the wetland to enable the existing functions and values.</p>
2	B20A Oli_2.4	Bronkhorstspuit tributary Unchannelled valley bottom; Channelled valley bottom; Hillslope seepage	-26.252	28.767	C	High	B	<p>Any application for development including mining likely to impact this system, besides going through the normal licensing processes, should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC.</p>

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
								<p>The unchannelled nature of sections of the wetland must be maintained.</p> <p>Existing vegetation types and structure must be maintained or improved within natural seasonal variability.</p> <p>The overall biodiversity and viable populations of Red Data bird species must be maintained.</p>
2	B20E Oli_2.5	Wilge tributary Floodplain; Channelled valley bottom	-26.126	28.935	A/B to C	Moderate to High	B/C	<p>Existing vegetation types and structure must be maintained or improved within natural seasonal variability.</p> <p>Any application for development including mining likely to impact this system, besides going through the normal licensing processes, should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC.</p> <p>It is essential to maintain or improve the existing flow distribution and retention patterns in the system in order to maintain the current PES category and High EIS.</p> <p>Lateral flow inputs from hillslope seepage wetlands must be protected through application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.</p> <p>Rehabilitation should be implemented to secure existing functions and values.</p>
2	B20G Oli_2.6	Zaalklap wetland Unchannelled valley bottom	-25.908	29.053	D	High	C	<p>The unchannelled nature of sections of the wetland must be maintained.</p> <p>Existing vegetation types and structure must be maintained or improved within natural seasonal variability.</p>
2	B20G Oli_2.7	Saalboomspruit wetland Unchannelled valley bottom;	-25.864	29.008	D	Moderate to High	C	<p>Rehabilitation is required to halt headcut advancement and improve both habitat and water quality enhancement values.</p>

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
		Channelled valley bottom						It is essential to secure or improve the existing flow distribution and retention patterns in the system in order to improve the current PES category and maintain the High EIS.  Unchannelled nature of sections of the wetland must be maintained.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
2	B20E Oli_2.8	Upper Wilge River Floodplain	-26.131	28.874	D	High	C	Existing vegetation types and structure must be maintained or improved within natural seasonal variability.  Any application for development including mining likely to impact this system, besides going through the normal licensing processes, should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC.  It is essential to maintain or improve the existing flow distribution and retention patterns in the system in order to maintain the current PES category and High EIS.  Lateral flow inputs from hillslope seepage wetlands must be protected through application of hydrological buffers determined via hydro-pedological assessments undertaken as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.
3	B12E Oli_3.1	Klein-Olifants tributary Unchannelled valley bottom; Channelled valley bottom; Hillslope seepage	-25.659	29.407	A/B to C	High	B	The unchannelled nature of sections of the wetland must be maintained.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
4	B31A Oli_4.1	Elands tributary wetland Channelled valley bottom; Hillslope seepage	-25.627	28.650	C	High	B/C	Existing flow distribution and retention patterns must be maintained or improved.  Rehabilitation should be implemented to secure existing functions and values.  Existing vegetation types and structure must be maintained or

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
								improved within natural seasonal variability.  Interflow supporting hillslope seepage wetlands and lateral flow inputs from hillslope seepage wetlands must be protected through application of suitable to these seepage wetlands. Buffers to be determined via detailed wetland assessments as part of EIA and/or WUL applications, and strict licensing conditions including monitoring of the systems should apply.  No increase in cultivation or habitat transformation within the hillslope seepage wetlands should be permitted.
5	B51C Oli_5.1	Makotswane Channelled valley bottom Hillslope seepage	-24.852	29.701	C	Very High	B	Targeted wetland management actions and rehabilitation interventions should be implemented to safeguard and improve the wetland structure and functioning and associated peat and artesian springs.  Any applications for groundwater use and/or abstraction in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply.
6	B41A Oli_6.1	Lakenvlei wetland complex Unchannelled valley bottom Channelled valley bottom Hillslope seepage	-25.560	30.097	A/B	Very High	A/B	Any applications for development, abstraction or groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply.  Besides going through the normal licensing processes, any such application should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC.  The overall biodiversity and viable populations of Red Data bird species must be maintained.  No new dams should be constructed in the system without following detailed authorisation process.  No increase in cultivation or habitat transformation within the hillslope seepage wetlands should be permitted.

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
6	B41B Oli_6.2	Welgevonden wetland Channelled valley bottom Hillslope seepage	-25.467	30.082	A/B	High to Very High	A/B	Any applications for development, abstraction or groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply.  The overall biodiversity and viable populations of Red Data bird species must be maintained.  No new dams should be constructed in the system without following a detailed authorisation process.
6	B41F Oli_6.3	Draaikraal wetland 1 Channelled valley bottom	-25.254	30.034	C	High to Very High	B	Any applications for development, abstraction or groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply.  The overall biodiversity and viable populations of Red Data bird species must be maintained.  No new dams should be constructed in the system without following a detailed authorisation process.
6	B41F Oli_6.4	Draaikraal wetland 2 Channelled valley bottom	-25.217	30.075	A/B to C	High to Very High	A/B to B	Any applications for development, abstraction or groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply.  The overall biodiversity and viable populations of Red Data bird species must be maintained.  No new dams should be constructed in the system without following a detailed authorisation process.
6	B41F Oli_6.5	Draaikraal wetland 3 Hillslope seepage	-25.178	30.057	A/B	High to Very High	A/B	Any applications for development, abstraction or groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply.  The overall biodiversity and viable populations of Red Data bird species must be maintained.



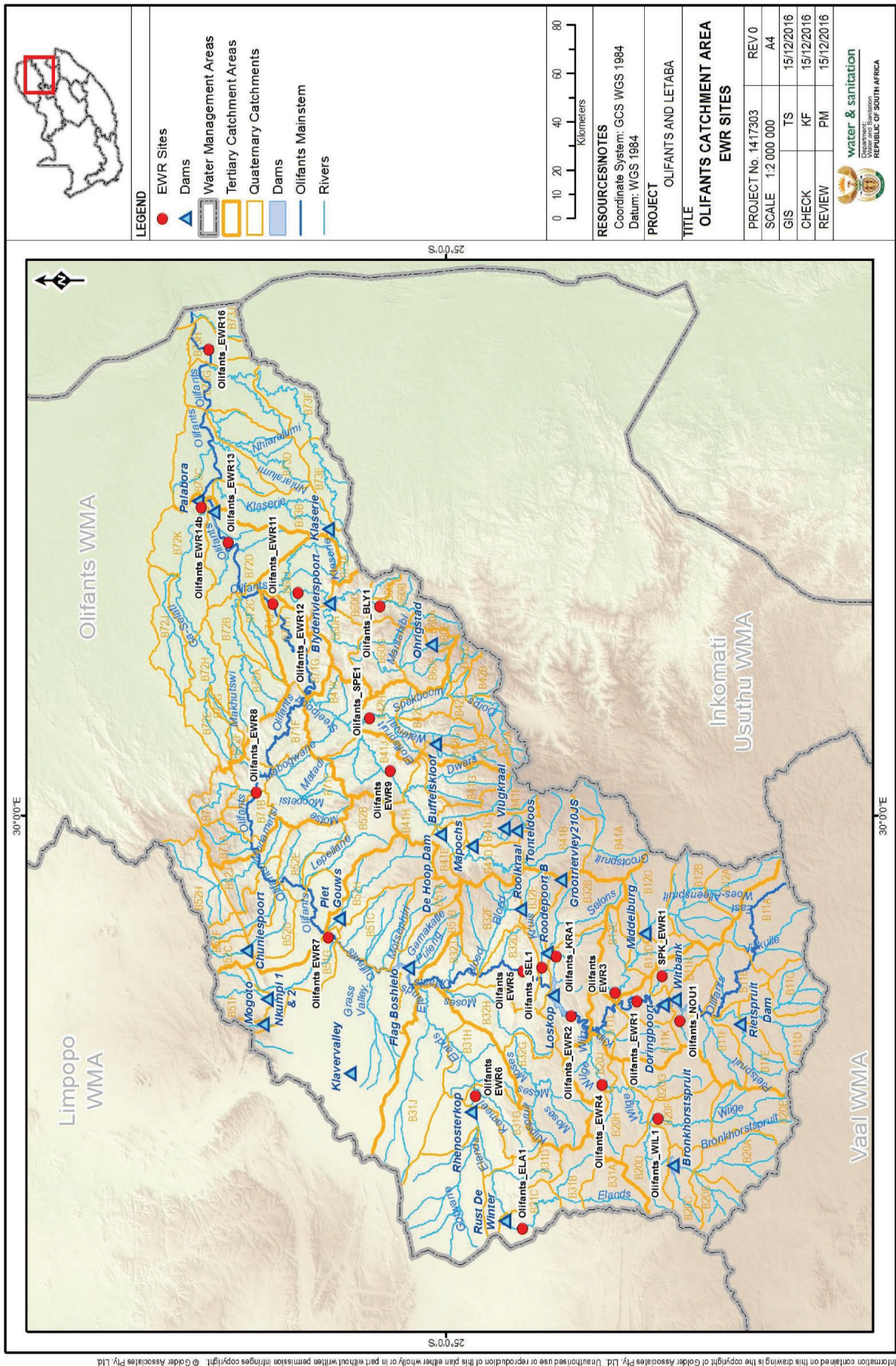
IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
								species must be maintained.  No new dams should be constructed in the system without following detailed authorisation process.
6	B41F Oli_6.8	Verloren Valei Comprises a mosaic of hillslope seepage wetlands and channelled and unchannelled valley bottom wetlands	-25.298	30.111	A/B	Very High	A	The conservation measures and management practices as per the Ramsar Information Sheet (RIS) ( <a href="https://ris.ramsar.org/RISapp/files/RISrep/ZA1110RIS.pdf">https://ris.ramsar.org/RISapp/files/RISrep/ZA1110RIS.pdf</a> ) for Verloren Valei Nature Reserve must be implemented and maintained together with any additional management plans/actions that have subsequently been implemented by the Mpumalanga Parks Board.
6	B41A Oli_6.9	Belfast wetland complex Unchannelled valley bottom Channelled valley bottom Hillslope seepage	-25.695	30.036	A/B to C	High to Very High	B to A/B	Improve the existing flow distribution and retention patterns in the system. Improve the current PES category and maintain the High EIS.  Unchannelled nature of sections of the wetland must be maintained.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.  Any applications for development, abstraction or groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply.  Besides going through the normal licensing processes, any such application should also include as a minimum an Intermediate Level Wetland Reserve which includes flow modelling (surface and groundwater including interflow) of scenarios to establish the potential impact in terms of achieving the REC.
9	B60F Oli_9.1	Kranksloofwetland Channelled valley bottom	-24.932	30.506	C	Moderate	C	Improve the existing flow distribution and retention patterns in the system. Improve the current PES category and maintain the High EIS.  Unchannelled nature of sections of the wetland must be maintained.  Existing vegetation types and structure must be maintained or improved within natural seasonal variability.

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
9	B60H Oli_9.2	Ohrigstad wetland Channelled valley bottom	-24.531	30.708	C	High to Very High	B	Improve the existing flow distribution and retention patterns in the system. Improve the current PES category and maintain the High EIS. Unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability.
10	B71G Oli_10.1	Tufa waterfall	-24.457	30.610	B	Very High	A/B	Any applications for groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply. Maintenance of water inputs to the wetland is critical for peat formation and to prevent oxidation. Site specific management measures should be developed in consultation with the local community to ensure the continued protection of this system.
13	B60C Oli_13.1	Treur wetland Hillslope seepage	-24.776	30.880	C	Very High	A/B	Any applications for development, abstraction or groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply. A viable populations of the Treur River Barb fish species should be maintained. No increase in afforestation or other surface water reduction activities within the wetland catchment.
13	B60D Oli_13.2	Kadishi waterfall Tufa waterfall	-24.566	30.795	A/B	Very High	A/B	Any applications for groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system should apply. Maintenance of water inputs to the wetland is critical for peat formation and to prevent oxidation. Site specific management measures should be developed in consultation with the relevant conservation authority (Blyde/Motlatse River Canyon Nature Reserve).

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
1	B81A Let_1.1	Stanford wetland Floodplain	-23.893	29.984	D	Moderate	C	The unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability. Targeted wetland management actions and rehabilitation interventions should be implemented to improve the wetland structure and functioning. This must address in particular afforestation related rehabilitation measures.
1	B81B Let_1.2	Tzaneen Dam wetland Unchannelled valley bottom Channelled valley bottom	-23.729	30.200	D/E	Moderate	C/D	The unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability. Targeted wetland management actions and rehabilitation interventions should be implemented to improve the wetland structure and functioning. This must address in particular afforestation related rehabilitation measures.
2	B81D Let_2.1	Thabina wetland Channelled valley bottom	-23.992	30.260	C	High	B	The unchannelled nature of sections of the wetland must be maintained. Existing vegetation types and structure must be maintained or improved within natural seasonal variability. Targeted wetland management actions and rehabilitation interventions should be investigated and implemented if required to improve the wetland structure and functioning. Site specific management measures should be developed in consultation with the local community to ensure the maintenance and controlled utilisation of the wetland.
9	B82G Let_9.1	Baleni hot spring Spring	-23.419	30.912	B	Very High	A/B	Any applications for groundwater use in the area will need to consider the impacts on this system, both from an EIA and WUL perspective, and strict licensing conditions including monitoring of the system

IUA	Quat & Wetland ID	Wetland Name & Type	Co-ordinates		PES	EIS	REC	Ecological Specifications*
			Latitude	Longitude				
								<p>should apply. Maintenance of water inputs to the wetland is critical for peat formation and to prevent oxidation.</p> <p>Site specific management measures should be developed in consultation with the local community to ensure the continued protection of this system.</p>
12	B83C Let_12.1	Nshawu Unchannelled valley bottom Channelled valley bottom	-23.537	31.487	C	High	B	<p>Improve the existing flow distribution and retention patterns in the system.</p> <p>Improve the current PES category and maintain the High EIS.</p> <p>Targeted wetland management actions and rehabilitation interventions should be implemented to improve the wetland structure and functioning. This must address in particular the channelization that has developed in the system.</p>
12	B83D Let_12.2	Manyeleti/ Makhadzi wetland Unchannelled valley bottom	-23.657	31.607	A	High	A	<p>Improve the existing flow distribution and retention patterns in the system.</p> <p>Improve the current PES category and maintain the High EIS.</p> <p>No new activities that could lead to flow concentration should be allowed in the system without following a detailed authorisation process.</p> <p>Groundwater abstraction in the immediate vicinity of the wetland should be strictly controlled.</p>
<p><b>*Note:</b> Ecological specifications (Ecospecs) defined for drivers and responses serve as the ecological objectives that must be met. The monitoring of these specifications and the drivers would determine how a resource is changing over time and whether the Reserve is being met. If not met, management intervention may be required in order to attain the desired ecological category. The monitoring requirements are indicated on the Ecological Specifications Report No: <b>RDM/WMA02/00/CON/0516.</b></p>								





**Figure 1:** Locality map of the Olifants Catchment illustrating the prioritised EWR sites



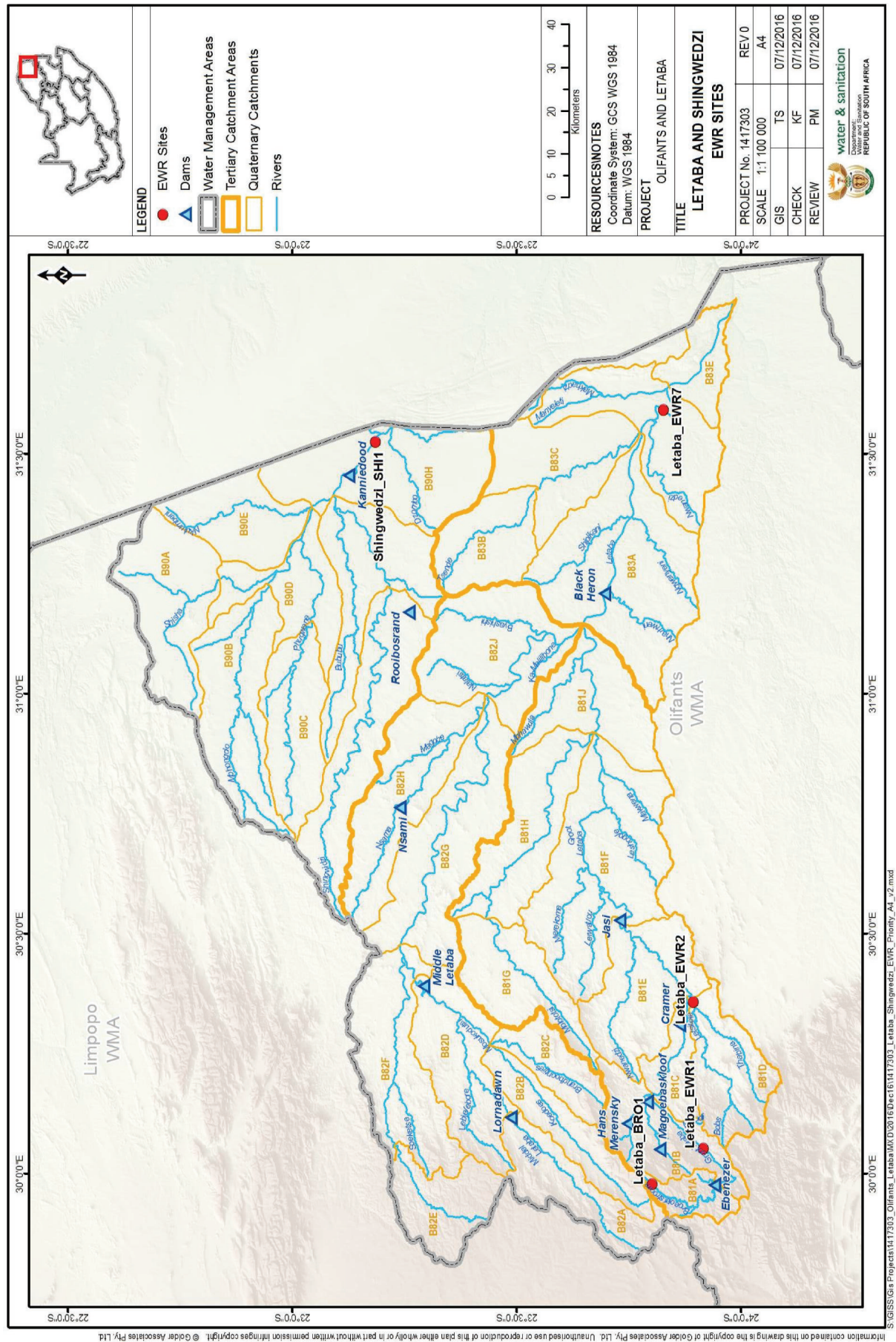


Figure 2: Map of the Letaba and Shingwedzi Catchments illustrating the prioritised EWR sites

## DEPARTMENT OF WATER AND SANITATION

NO. 1039

22 SEPTEMBER 2017

**PONGOLA-MTAMVUNA WATER MANAGEMENT AREA – LIMITING THE USE OF WATER IN TERMS OF ITEM 6 OF SCHEDULE 3 OF THE NATIONAL WATER ACT OF 1998 FOR IRRIGATION, DOMESTIC AND URBAN PURPOSES FROM GOEDERTROUW, MGENI, KLIPFONTEIN, HLUHLUWE, AND LAKE MERTHELY SYSTEMS IN KWAZULU-NATAL**

I, **MR S. MKHIZE**, in my capacity as the acting Director-General of Water and Sanitation, on reasonable grounds believe that a water shortage exists in the catchments of the Goedertrouw Dam, the Mgeni System's Dams, the Klipfontein Dam, the Hluhluwe Dam and the Lake Merthley in KwaZulu-Natal due to insufficient rains and that it is necessary to limit the taking of water from these dams/systems.

I may in terms of item 6 (1) of Schedule 3 to the Act limit the use of water in the area concerned if there are reasonable grounds to believe that a water shortage exists within the area concerned. This power has been vested in me in terms of section 63 (1) (b) of the Act.

Therefore in my capacity as the Director-General of Water and Sanitation, in terms of item 6 (1) of Schedule 3 to the Act, I hereby limit the taking of water from these dams/systems and corresponding catchments of the dams/systems by all users as follows-

1. Goedertrouw Dam and Mhlathuze River System to the Mhlathuze Water Weir
  - a) 40% restriction for domestic usage
  - b) 15% restriction for industrial usage
  - c) 80% restrictions for irrigation usage
2. Mgeni System including the Mooi River and Little Mooi River to the Mearns Weir
  - a) 15% restriction for domestic and industrial usage
  - b) 50% restriction for irrigation usage
3. Klipfontein Dam and White-Mfolozi River System to the Ulundi Weir
  - a) 15% restriction for domestic usage
  - b) 50% restriction for irrigation usage
4. Hluhluwe Dam and river system
  - a) 10% restriction for domestic usage
  - b) 20% restriction for irrigation usage
5. Lake Merthley System
  - a) 50% restriction for domestic usage




The limitations apply from the date of this notice until the next system's water allocation decision date in May 2018, or until water levels in the dams/systems has recovered to acceptable levels and the Department of Water and Sanitation has issued another notice lifting the restrictions.

In exercising the powers, I have given preference to the maintenance of the Reserve, treated all water users on a basis that is fair and reasonable, considered the actual extent of the water shortage, the likely effects of the shortage on the water users, the strategic importance of any water use and any water rationing or water use limitations by a water services institution having jurisdiction in the area concerned under the Water Services Act 108 of 1997.

Placing limitation on the taking of water use as set out in this notice is an administrative action affecting the rights of the public as contemplated in section 4 of the Promotion of Administrative Justice Act 3 of 2000 (PAJA). After I have taken into consideration all relevant factors, including those referred in section 4 (4) (b), I have decided that it is reasonable and justifiable in the circumstances to depart from the requirements referred to in section 4 (1) (a) to (e), (2) and (3) and instituted this limitation without allowing the water users affected and other role players to comment on the matter before I institute the limitation.

This notice overrides any other previous authorization on water restrictions issued by the Department relating to this area.

  
**MR S MKHIZE**  
**DIRECTOR-GENERAL (ACTING)**  
DATE: 23/08/2017



## GENERAL NOTICES • ALGEMENE KENNISGEWINGS

### ECONOMIC DEVELOPMENT DEPARTMENT

#### NOTICE 728 OF 2017

#### COMPETITION TRIBUNAL

#### NOTIFICATION OF DECISION TO APPROVE MERGER

The Competition Tribunal gives notice in terms of rules 34(b)(ii) and 35(5)(b)(ii) of the “Rules for the conduct of proceedings in the Competition Tribunal” as published in Government Gazette No. 22025 of 01 February 2001 that it approved the following mergers:

Case No.	Acquiring Firm	Target Firm	Date of Order	Decision
LM082Jun17	ENX Group Limited	Extract Group Limited	16/08/2017	Approved Subject to Conditions
LM104Jul17	Old Mutual Life Assurance Company South Africa Limited	Kagiso Infrastructure Empowerment Fund	16/08/2017	Approved
LM078Jun17	Growthpoint Properties Ltd	Redefine Properties Ltd	16/08/2017	Approved
LM125Aug17	Setso Property Fund (Pty) Ltd	Sanlam Life Insurance Limited	16/08/2017	Approved
LM118Jul17	Main Street 1532 Proprietary Limited	Thebe Investment Corporation Proprietary Limited	16/08/2017	Approved
LM030May16	Dowdupont Inc.	The Dow Chemical Company and E.I DuPont De Nemours and Company	17/08/2017	Approved Subject to Conditions
IM077Aug16	Italtile Ltd; Ceramic Industries (Pty) Ltd; Ezee Tile Adhesive manufactures (Pty) Ltd	Competition Commission	21/08/2017	Approved Subject to Conditions
LM077Jun17	GroCapital Holdings (Pty) Ltd	South African Bank of Athens Ltd	22/08/2017	Approved
LM080Jun17	Libstar Operations (Pty) Ltd	Khoisan Tea Import and Export (Pty) Ltd	23/08/2017	Approved
LM102Jul17	Gertzky Bidco PTE. Ltd	iNova Group of Companies including certain immovable assets	06/09/2017	Approved
LM122Aug17	Old Mutual PLC	Old Mutual (Netherlands) B.V.	06/09/2017	Approved

**The Chairperson  
Competition Tribunal**

**INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA  
NOTICE 729 OF 2017**



**AMENDMENT OF THE CALL TERMINATION REGULATIONS, 2014**

I, Paris Mashile, Acting Chairperson of the Independent Communications Authority of South Africa, hereby publish the amendment to the Call Termination Regulations, 2014 in terms of sections 4 (7) (b) and 67 (8) of the Electronic Communications Act, 2005 (Act No. 36 of 2005), to the extent reflected in the Schedule.



**Paris Mashile**  
**Acting Chairperson**



## **THE INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA**

The Independent Communications Authority of South Africa has, under section 67(8) of the Electronic Communications Act, 2005 (Act No. 36 of 2005), made the regulations in the schedule.

### **SCHEDULE**

#### **1. Definitions**

In these regulations “the Regulations” means the regulations published by Government Notice No. 38042 of 2014.

#### **2. Amendment of regulation 7 of the Regulations**

Regulation 7 of the Regulations is hereby amended by the substitution for paragraph (b), of subregulation (5), of the following paragraph:

**“(b) Price Control: Cost-based pricing:**

For the period 01 October 2017 to 30 September 2018, a licensee identified in sub-regulation (4) must charge wholesale voice call termination rates to a mobile or fixed location as specified in Table 1:

**Table 1: Terminations Rates**

	Termination to a mobile location	Termination to a fixed location	
		W0N	B0N
<b>1 October 2017 to 30 September 2018</b>	<b>R0.13</b>	<b>R0.10</b>	<b>R0.10</b>

**3. Amendment of Annexure A of the Regulations**

Annexure A is amended by the substitution of table A1 and A2

**“Table A1: Maximum rate for termination to a mobile location**

	Termination rate
<b>1 October 2017 to 30 September 2018</b>	<b>R0.19</b>

**“Table A2: Maximum rate for termination to a fixed location**

	W0N	B0N
<b>1 October 2017 to 30 September 2018</b>	<b>R0.12</b>	<b>R0.12</b>

**4. Short title and commencement**

These regulations are called the Call Termination Amendment Regulations, 2017 and will come into effect on 1 October 2017.



**Independent Communications Authority of South Africa**

Pinmill Farm, 164 Katherine Street, Sandton

Private Bag X10002, Sandton, 2146

**Findings document on the review of the 2014  
pro-competitive remedies in accordance with  
section 67(8)(a) of the Electronic  
Communications Act No. 36 of 2005**

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## 1. Introduction

Following the review of the 2010 Call Termination Regulations<sup>1</sup>, the Independent Communications Authority of South Africa (“the Authority”), published the (“2014 Call Termination Regulations”) on 30 September 2014. The 2014 Call Termination Regulations determined that, the Mobile termination markets and the Fixed termination markets, as defined in regulation 3 of the 2014 Call Termination Regulations, remained ineffectively competitive and also that the following market failures continue to exist:

- (a) A lack of provision of access;
- (b) The potential for discrimination between licensees offering similar services;
- (c) A lack of transparency; and
- (d) Inefficient pricing.

To remedy the abovementioned market failures, the Authority imposed an obligation upon all licensees to charge fair and reasonable prices for wholesale voice call termination in terms of regulation 7(2) of the 2014 Call Termination Regulations. Additional obligations in the form of publication of a reference interconnection offer and price control (cost-based pricing) were imposed upon Vodacom Pty (Ltd), and MTN Pty (Ltd) in the Mobile termination markets, and Telkom SA SOC (Ltd) in respect of the Fixed termination markets in line with regulation 7(3) of the 2014 Call Termination Regulations.

## 2. An outline of the process followed

The Authority undertook a review of the 2014 Call Termination Regulations in line with regulation 8 of the 2014 Call Termination Regulations<sup>2</sup> read with section 67(8)(a) of the ECA.

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<sup>1</sup> Call Termination Regulations, Government Gazette 33698, published on 29 October 2010.

<sup>2</sup> Regulation 8 states that “the Authority will review the markets for the wholesale voice call termination services, to which these regulations apply, as well as the effectiveness of competition and the application of pro-competitive terms and conditions in those markets when the Authority deems it necessary but not earlier than two (2) years from the date of publication of these regulations.”



Section 67(8)(a) of the ECA states that:

“(a) Where the Authority undertakes a review of the pro-competitive conditions imposed upon one or more licensees under this subsection, the Authority must -

- (i) review the market determinations (our emphasis) made on the basis of earlier analysis; and
- (ii) decide whether to modify the pro-competitive conditions set by reference to a market determination...”

The Authority used a two-phased approach in undertaking the review in accordance with the provisions of the aforementioned section 67(8)(a)(i)(ii) of the ECA.

The Authority’s public consultation process to implement section 67(8)(a) of the ECA included the following:

- (a) Publication, on the Authority’s website of a media statement and a questionnaire on 30 January 2017<sup>3</sup>. Publication of the Authority’s intention to review the abovementioned pro-competitive measures in line with section 67(8)(a) of the ECA in the Government Gazette Notice (No 40603)<sup>4</sup> dated 8 February 2017.
- (b) Receipt of letters with questions of clarity with regard to the questionnaire and process by Vodacom, Cell C and Telkom on 10 February 2017, and MTN on 14 February 2017.
- (c) Publication of a media release<sup>5</sup> together with the briefing note<sup>6</sup> on questions of clarity with regard to the questionnaire on 1 March 2017.

<sup>3</sup> <https://www.icasa.org.za/AboutUs/ICASANews/tabid/630/post/icasa-reviews-pro-competitive-conditions-imposed-on-licensees-in-respect-of-the-call-termination-regulations-of-2014/Default.aspx>

<sup>4</sup> [http://www.gpwonline.co.za/Gazettes/Gazettes/40603\\_8-2\\_ICASA.pdf](http://www.gpwonline.co.za/Gazettes/Gazettes/40603_8-2_ICASA.pdf)

<sup>5</sup> <https://www.icasa.org.za/AboutUs/ICASANews/tabid/630/post/update-on-the-review-of-pro-competitive-conditions-imposed-on-licensees-in-respect-of-the-call-termination-regulations/Default.aspx>

<sup>6</sup> <https://www.icasa.org.za/LegislationRegulations/FinalRegulations/TelecommunicationsRegulations/CallTermination/tabid/462/ctl/ItemDetails/mid/1457/ItemID/13935/Default.aspx>

- (d) A stakeholder briefing session on 15 March 2017. The purpose of this session was for the Authority to clarify the process in respect of the review of the pro-competitive conditions owing to process related questions raised by Vodacom, Cell C, Telkom in their respective letters dated 10 February 2017, and MTN's letter dated 14 February 2017.
- (e) After receiving responses to the questionnaire, the Authority published a Discussion Document on the review of the 2014 pro-competitive remedies in accordance with section 67(8)(a) of the Electronic Communications Act No. 36 of 2005 for public comments. Stakeholders and interested parties were given twenty-one (21) working days to make written submissions.
- (f) The Authority received written submissions on the Discussion Document from the following stakeholders:
- Vodacom;
  - MTN;
  - Cell C;
  - Telkom;
  - The Internet Service Provider's Association ("ISPA"); and
  - Switch Telecom.

### **3. Analysis of submission on specific comments on the Discussion Document**

This section consists of five (5) sub-sections namely:

1. Market definition;
2. Methodology to evaluate effectiveness of competition;
3. Effectiveness of competition;
4. Significant market power determination; and
5. Pro-competitive conditions.

### 3.1. Regulation 3 – Market definition

After taking into account the analysis of the product and geographic dimensions, the Authority's preliminary view was that the definition of Mobile termination markets and Fixed termination markets as per the 2014 Call Termination Regulations remain appropriate.

#### 3.1.1. Product market definition

##### 3.1.1.1. Retail demand-side and supply-side substitutes

MTN indicated that it is not clear how the Authority has analyzed retail demand-side and supply-side substitution with regard to current South African evidence.<sup>7</sup>

Vodacom indicated that it is not clear what factors and evidence the Authority considered in reviewing retail demand-side and supply substitutes with regard to OTT/ VoIP/ IM.<sup>8</sup>

Telkom indicated that the Authority did not take into account the prevalence of OTT/ VoIP/ IM services and the potential to provide competitive indirect constraint on termination services. Telkom also indicated that the Authority "...has not provided any detailed analysis to support this view, nor has it addressed the improved quality and usage of VoIP calling since the previous review process."<sup>9</sup>

Furthermore, Telkom indicated that there was no justification to treat fixed and mobile termination as separate markets given the rapid fixed-mobile convergence in the telecommunications market in South Africa and also based on international precedent.<sup>10</sup>

#### The Authority's response:

Despite the recent technological developments such as Voice over LTE, Wi-Fi calling, etc. and increased presence of OTT VoIP services such as WhatsApp, Skype, FaceTime, etc., the

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<sup>7</sup> MTN written submission on the Discussion Document P6

<sup>8</sup> Vodacom written submission on the Discussion Document P4-8

<sup>9</sup> Telkom's written submission on the Discussion Document P15

<sup>10</sup> Ibid

Authority is of considered view that these services exercise limited competitive constraints to traditional voice service mainly due to the following:

- Barriers to the use of OTT services owing to, among others, low smartphone penetration of approximately 33%<sup>11</sup>, lack of compatibility between OTT applications (e.g. WhatsApp application is not compatible with Apple iMessage), both users must be connected to the Internet, etc.
- Poor quality of service compared to traditional voice service.
- VoIP apps provide only a minimal price advantage<sup>12</sup> compared to traditional voice calls<sup>13</sup>.
- Average mobile voice minutes per user is still growing<sup>14</sup>.

This is corroborated by the views expressed by the European Commission<sup>15</sup>, the OECD<sup>16</sup> and industry commentators<sup>17</sup> that OTT services are not perfect substitutes for traditional voice service.

Licensees did not provide supporting forward-looking evidence and data about the extent of OTT use on their respective networks and substitutability for voice calls.

The Authority is of the view that fixed and mobile termination are separate markets due to notable differences between the two markets which were succinctly highlighted in the Explanatory Note of the final Call Termination Regulations of 2010.<sup>18</sup>

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<sup>11</sup> Source: ICASA database of ICT Indicators.

<sup>12</sup> This is based on out-of-bundle rates of up to R2.00/MB.

<sup>13</sup> For example, subscribers may get a discount of up to 100% on MTN Zone and Vodacom4Less

<sup>14</sup> This was highlighted by Vodacom and MTN in their 2017 annual financial statements.

<sup>15</sup> Explanatory Note to the 2014 EC Recommendation

<sup>16</sup> OECD, *Developments in Mobile Termination*, 2012

<sup>17</sup> Ecorys, *Future electronic communications markets subject to ex-ante regulation*, September 2013.

[http://ec.europa.eu/information\\_society/newsroom/cf/dae/document.cfm?doc\\_id=3148](http://ec.europa.eu/information_society/newsroom/cf/dae/document.cfm?doc_id=3148); Analysys Mason, *The connected consumer survey: voice and messaging*, 2013; Analysys Mason, *OTT messaging services dominate in South Africa, but mobile voice will be more resistant to substitution*, 2016

<sup>18</sup> GG33698

### 3.1.1.2. Wholesale demand-side and supply-side substitutes

MTN acknowledged that there are no feasible demand-side substitutes and supply-side substitutes for voice call termination on a particular network location.<sup>19</sup>

Vodacom indicated that it agrees with the Authority in that there are currently no wholesale demand-side and supply-side substitutes.<sup>20</sup>

Switch Telecom stated that the Authority failed to identify a new market that has opened following the promulgation of the Numbering Plan Regulations, 2016 (GG 39861).<sup>21</sup>

ISPA indicated that subsequent to the publication of the Numbering Plan Regulations of 2016, there is a separate market for the origination of toll-free calls which shares many of the characteristics of the markets identified in the Discussion Document. ISPA recommended that this market should be categorised "...as the market for wholesale voice call origination services on the network of each licensee offering call origination services in South Africa to a toll-free number assigned from the National Numbering Plan."<sup>22</sup>

#### The Authority's response:

The provision of wholesale voice call origination service does not fall within the scope of this review and was therefore not considered by the Authority when reviewing the definition of termination markets.

### 3.1.1.3. Common pricing constraints

MTN agrees with the Authority that no common pricing constraint applies to relevant voice call termination services for all subscribers to each individual network defined.<sup>23</sup>

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<sup>19</sup> MTN's written submission on the Discussion Document P6

<sup>20</sup> Vodacom's written submission on the Discussion Document P8

<sup>21</sup> Switch Telecom's written submission on the Discussion Document P1-2

<sup>22</sup> ISPA's written submission on the Discussion Document P2

<sup>23</sup> MTN's written submission on the Discussion Document P7

Vodacom disagrees with the proposed determination as it is of the view that it differs fundamentally from the 2010 and 2014 determinations, which states that "... licensees do not price discriminate between termination charges for calls made to all the different subscribers on their networks, the relevant market be broadened to call termination to all subscribers on a particular network". Vodacom agrees with the 2010 and 2014 determinations.<sup>24</sup>

The Authority's response:

The Authority determined that there is no need to change its position with regard to the 2010 and 2014 Common pricing constraints determination.

**3.1.2. Geographic market definition**

MTN supports the Authority's view that voice calls originating outside of South Africa do not fall within the geographic scope of termination markets and suggested such voice calls be excluded and the market definition be revised to reflect this.<sup>25</sup>

Vodacom agreed that voice calls originating outside of South Africa should be excluded from the market definition. Vodacom recommended that the market definition be amended to clearly exclude voice calls originating outside of South Africa.<sup>26</sup>

ISPA does not agree with the Authority's view that "...voice calls originating outside of South Africa and terminating in South Africa do not fall within the geographic scope of Mobile termination markets and Fixed termination markets." ISPA indicated that such "...view is at odds with that expressed in the Authority's correspondence to ISPA date 20 March 2016, which clearly stated that there is no differentiation in where the call was originated for the purpose of defining call termination markets."<sup>27</sup>

The Authority's response:

Currently, international originated voice calls terminating in South Africa attract a charge equivalent to the termination rate for voice calls originating within and terminating in South Africa

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<sup>24</sup> Vodacom's written submission on the Discussion Document P8

<sup>25</sup> MTN's written submission on the Discussion Document P7

<sup>26</sup> Vodacom's written submission on the Discussion Document P8

<sup>27</sup> ISPA's written submission on the Discussion Document P2

despite the economics of national termination market being different to international termination market.

This has resulted in operators in other countries charging South African operators termination rates higher than the national termination rates resulting in negative balance of payments or outflow of funds from South Africa to other countries. The amendment will afford South African operators, including ISPA members, an opportunity to charge operators in other countries reciprocal or commercial termination rates.

Termination rates for international originated voice calls terminating on a mobile and fixed location within the Republic of South Africa should be subject to commercial agreement.

The amended market definition aims to exclude internationally originated voice traffic terminating on a mobile and/or fixed location within the Republic of South Africa.

### 3.2. Regulation 4 – Methodology

The Authority's view was that there was no need to amend the approach to evaluate the effectiveness of competition in the Mobile termination markets and Fixed termination markets as per section 67(4A) of the ECA.

MTN stated that it was not evident how the Authority applied the methodology on a forward-looking basis.<sup>28</sup>

Vodacom indicated that there is no need to amend the Hypothetical Monopolist Test method for market definition. Vodacom also indicated that there was no need to amend the specified approach in the evaluation of effectiveness of competition in the defined markets as per section 67(4A) of the ECA.<sup>29</sup>

#### The Authority's response:

The Authority refers MTN to section 3.2 of the Discussion Document.

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<sup>28</sup> MTN's written submission on the Discussion Document P7

<sup>29</sup> Vodacom's written submission on the Discussion Document P9

### 3.3. Regulation 5 – Effectiveness of competition

The Authority's view was that the following market failures continue to exist:

- (a) A lack of provision of access,
- (b) The potential for discrimination between licensees offering similar services,
- (c) A lack of transparency, and
- (d) Inefficient pricing.

#### 3.3.1. Legislative requirements

The Authority's view was that the definition of Significant Market Power in terms of Section 67(5) of the ECA remained largely unchanged.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority's view with regard to Legislative requirements.

#### 3.3.2. Relevant markets

In 2010 the Authority determined that the relevant downstream markets were:

- "The national retail market for mobile access and calls (mobile retail market)
- The national retail market for fixed line access and calls (fixed retail market)"<sup>30</sup>

The Authority also stated that it would consider the *"impact that relevant downstream retail markets may have on competition"*<sup>31</sup>. In 2014, the Authority continued with this approach throughout its review of each determination made on the assessment of competition. The Authority maintained this approach again in respect of the 2017 review.

MTN acknowledged that the Authority's review of the relevant downstream retail markets has no impact on the analysis of competition assessment of the Mobile termination markets and Fixed termination markets in respect of section 67(8) review process.<sup>32</sup>

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<sup>30</sup> GG 33121:51

<sup>31</sup> Ibid

<sup>32</sup> MTN's written submission on the Discussion Document P8



Vodacom indicated that although the Authority is required to consider indirect constraints at the retail level to the wholesale call termination service, the Authority has not defined downstream retail markets in terms of section 67(4) of the ECA nor has made a determination on the effectiveness of competition in the downstream retail markets. In addition, Vodacom indicated that “...downstream markets are also irrelevant in the assessment of the wholesale voice call termination markets.”<sup>33</sup>

The Authority's response:

The Authority is required to consider indirect constraints at retail level to the wholesale call termination service as termination service is a derived demand from retail services. The Authority defined the identified downstream retail markets in 2010 and sees no need to review the definition of these markets in terms of section 67(4) of the ECA.

The Authority acknowledges that downstream retail markets may not be relevant to the assessment of the wholesale voice call termination markets.

**3.3.3. Actual and potential existence of competitors**

**3.3.3.1. Wholesale voice call termination**

The Authority's view was that there is still no evidence to justify changing the 2014 determination and there are no competitors in the defined markets.

Telkom indicated that it does not agree with the Authority's view that there are no competitors in the defined markets as it is of the view that the Authority has not undertaken “...a thorough analysis of the competitive constraint on termination posed by VoIP and OTT providers in the South African market.”<sup>34</sup>

The Authority's response

See the Authority's response to Retail demand-side and supply-side substitutes.

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<sup>33</sup> Vodacom written submission on the Discussion Document P 9

<sup>34</sup> Telkom written submission on the Discussion Document P 17

### 3.3.3.2. Relevant downstream markets

The Authority's view was that it sees no need to change the 2014 determination and there are no competitors in the defined markets.

MTN noted that the Authority's review of the relevant downstream retail markets had no impact on the analysis of competition assessment of the Mobile termination markets and Fixed termination markets in respect of a section 67(8) review process

Vodacom indicated that although the Authority is required to consider indirect constraints at the retail level to the wholesale call termination service, the Authority has not defined downstream retail markets in terms of section 67(4) of the ECA nor has made a determination on the effectiveness of competition in the downstream retail markets. In addition, Vodacom indicated that *"...downstream markets are also irrelevant in the assessment of the wholesale voice call termination markets."*

#### The Authority's response

The Authority is required to consider indirect constraints at retail level to the wholesale call termination service as termination service is a derived demand from retail services. The Authority defined the identified downstream retail markets in 2010 and sees no need to review the definition of these markets in terms of section 67(4) of the ECA.

The Authority acknowledges that downstream retail markets may not be relevant to the assessment of the wholesale voice call termination markets.

### 3.3.4. Level, trends and concentration and history of collusion

#### 3.3.4.1. Wholesale voice call termination

The Authority's view was that the possibility of collusion in the wholesale termination market is irrelevant for the assessment of competition in the wholesale call termination market.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority's view with regard to the Level, trends and concentration and history of collusion in respect of wholesale voice call termination.

#### 3.3.4.2. Relevant downstream markets

The Authority's view was that the downstream markets remain highly concentrated as was the case in the 2010 and 2014 review process.

MTN noted that the Authority's review of the relevant downstream retail markets had no impact on the analysis of the competition assessment of the Mobile termination markets and Fixed termination markets in respect of a section 67(8) review process

Vodacom indicated that although the Authority is required to consider indirect constraints at the retail level to the wholesale call termination service, the Authority has not defined downstream retail markets in terms of section 67(4) of the ECA nor has made a determination on the effectiveness of competition in the downstream retail markets. In addition, Vodacom indicated that "...downstream markets are also irrelevant in the assessment of the wholesale voice call termination markets."

#### The Authority's response

The Authority is required to consider indirect constraints at retail level to the wholesale call termination service as termination service is a derived demand from retail services. The Authority defined the identified downstream retail markets in 2010 and sees no need to review the definition of these markets in terms of section 67(4) of the ECA.

The Authority acknowledges that downstream retail markets may not be relevant to the assessment of the wholesale voice call termination markets.

#### 3.3.5. Overall size of each of the market participants

The Authority stated that both fixed and mobile termination markets still remain highly concentrated despite the slight decrease in the Herfindahl-Hirschman Index (or HHI) in both

markets based on information received from Telkom, Neotel, Vodacom, Cell C and MTN based on the questionnaire published on 30 January 2017.

The HHI for mobile decreased from 3803 in 2009 to 3698 in 2016 while HHI for fixed decreased from 8774 to 8472 during the same period. Typically, a HHI of 1800 and above indicates a market that is highly concentrated.

Switch Telecom stated that the figures indicate that "...despite a large number of new entrants competing in the fixed market, Telkom continues to enjoy a significant lead in market share and new entrants are gaining market share too slowly." Switch Telecom further stated that "...the Authority has placed disproportionate emphasis on the mobile market."

Vodacom, MTN, Cell C, Telkom and ISPA did not comment on the Authority's view with regard to the Overall size of each of the market participants and the level of concentration in the Fixed termination markets and Mobile termination markets.

#### The Authority's response

The Authority has noted Switch Telecom's submission.

#### 3.3.6. Control over essential facilities

The Authority view was that wholesale call termination represents a "bottleneck service" therefore allowing the service provider to "set the price for call termination above competitive levels."

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority's view with regard to Control over essential facilities.

#### 3.3.7. Impact of technological advantages or superiority of a given market participant

##### 3.3.7.1. Wholesale voice call termination

In 2010 and 2014, the Authority determined that the impact of technological advantages or superiority of a given market participant is not relevant given "*absolute barriers to entry*" and

therefore, licensees face “*no existing or potential competitors*” in the provision of wholesale voice call termination service.

The Authority indicated it was not aware of any technological breakthroughs, nor are these being envisaged within the timeframe of this review, that would allow for an alteration in the dynamics of wholesale voice call termination services. The Authority’s view was that it sees no need to change this determination and is of the view that for the period under review this factor is not relevant for the analysis of the effectiveness of competition.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority’s view with regard to the Impact of technological advantages or superiority of a given market participant in respect of wholesale voice call termination.

#### 3.3.7.2. Relevant downstream markets

In 2010 and 2014, the Authority discussed the relative importance of spectrum assignment and particularly the equitable assignment of spectrum. The Authority’s view was that spectrum assignment does not have a significant impact on the assessment of competition in the wholesale call termination markets, but “*it may be relevant when considering the appropriate pro-competitive remedies.*”

MTN agrees with the Authority’s view that spectrum assignment does not have a significant impact on the assessment of competition in the wholesale call termination markets. In addition, MTN agrees with the Authority that spectrum may be relevant when considering appropriate pro-competitive remedies.

Vodacom indicated that although the Authority is required to consider indirect constraints at the retail level to the wholesale call termination service, the Authority has not defined downstream retail markets in terms of section 67(4) of the ECA nor has made a determination on the effectiveness of competition in the downstream retail markets. In addition, Vodacom indicated that “*...downstream markets are also irrelevant in the assessment of the wholesale voice call termination markets.*”<sup>35</sup>

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<sup>35</sup> Vodacom’s written submission on the Discussion Document P9

#### The Authority's response

The Authority is required to consider indirect constraints at retail level to the wholesale call termination service as termination service is a derived demand from retail services. The Authority defined the identified downstream retail markets in 2010 and sees no need to review the definition of these markets in terms of section 67(4) of the ECA.

The Authority acknowledges that downstream retail markets may not be relevant to the assessment of the wholesale voice call termination markets.

#### 3.3.8. Firms' access to capital markets and financial resources

##### 3.3.8.1. Wholesale voice call termination

In 2010 and 2014, the Authority determined that firms' access to capital markets and financial resources is *"not considered relevant in this market."*

The Authority's view was that it sees no need to change this determination for the period under review and is of the view that for the current period under review this factor is not relevant for the analysis of the effectiveness of competition.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority's preliminary view with regard to Firm's access capital markets and financial resources in respect of wholesale voice call termination.

##### 3.3.8.2. Relevant downstream markets

In 2010, the Authority referred to the discussion on access to capital markets to how this may or may not affect countervailing buying power.

In 2014, the Authority determined that access to capital markets plays a role in determining the effectiveness of competition to the extent that different licensees face different weighted average costs of capital. The Authority's view was that it sees no need to change this determination.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority's preliminary view with regard to Firm's access capital markets and financial resources in respect of Relevant downstream markets.

### 3.3.9. Dynamic characteristics of the market, including growth, innovation and products and services differentiation

MTN welcomed the Authority's acknowledgement of the prevalence and growth in OTT services, Wi-Fi calling and VoIP (3G/ VoLTE). MTN, however, indicated that "...it is not evident how the Authority has taken this phenomenon into consideration, if at all."<sup>36</sup>

#### The Authority's response

Notwithstanding the Authority's acknowledgement of the prevalence and growth in OTT services, Wi-Fi calling and VoIP, the Authority is still of the view that this factor is not relevant for the analysis of the effectiveness of competition. Please refer to the Authority's responses with regard to point 3.1.1 Product Market definition.

### 3.3.10. Economies of scale and scope

The Authority's view was that economies of scale and scope are still relevant in the assessment of the effectiveness of competition. The criterion remains 20% of the share of termination minutes.

MTN raised a concern about the relevance of economies of scale and scope and 20% share of termination minutes' criterion in the assessment of the effectiveness of competition given that each licensee controls 100% of its own termination market. In addition, MTN stated that economies of scale and scope is only relevant to considering appropriate pro-competitive remedies.

Vodacom disagrees with the Authority's proposed determination that economies of scale and scope are still relevant in the assessment of effectiveness of competition and that the criterion remains 20% of the share of termination minutes. Vodacom indicated that it is in agreement with the 2010 and 2014 determinations that economies of scale and scope are irrelevant because they

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<sup>36</sup> MTN's written submission on the Discussion Document P 9

have no impact on market power in the specific call termination market, given the nature of the market definition and are only relevant in terms of assessing appropriate procompetitive remedies.<sup>37</sup>

#### The Authority's response

The Authority acknowledges that economies of scale and scope are not relevant in the assessment of the effectiveness of competition in the relevant market.

### 3.3.11. Nature and extent of vertical integration

#### 3.3.11.1. Wholesale voice call termination

The Authority determined in 2010 and 2014, that *“a vertically integrated service provider may have an advantage over its competitors, as access to sales and supply markets might be more easily attainable for the integrated firm. Vertical integration also makes it possible to leverage market power into adjacent markets (both upstream and/or downstream).”*

Vodacom indicated that there is no relevance of the nature and extent of vertical integration in the context of wholesale call termination as it has no impact on the effectiveness of competition in the wholesale voice call termination markets.<sup>38</sup>

#### The Authorities response

The Authority is still of the view that vertically integrated operator *may* have an advantage over its competitors.

#### 3.3.11.2. Relevant downstream markets

The Authority's view was that this factor was not relevant for wholesale voice call termination.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority's view with regard to the nature and extent of vertical integration in respect of relevant downstream markets.

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<sup>37</sup> Vodacom's written submission on the Discussion Document P9

<sup>38</sup> Vodacom's written submission on the Discussion Document P10



### 3.3.12. Market and regulatory barriers to entry

#### 3.3.12.1. Wholesale voice call termination

The Authority determined in 2010 and 2014, that *“there are absolute barriers to entry into the market – which means that the current dominance of firms providing wholesale call termination is unlikely to be challenged effectively by new competitors over the time of the current review...”*

The Authority’s view was that it sees no need to change the 2010 and 2014 determination.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority’s preliminary view with regard to market and regulatory barriers to entry in respect of wholesale voice call termination.

#### 3.3.12.2. Relevant downstream markets

The Authority’s view was that absolute barriers to entry in the downstream relevant markets continue to exist.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority’s preliminary view with regard to Market and regulatory barriers to entry in respect of relevant downstream markets.

### 3.3.13. Countervailing bargaining power

The Authority’s view was that neither fixed nor mobile network operators can exert countervailing bargaining power to constrain the setting of high termination rates by a fixed or mobile operator.

Vodacom, MTN, Cell C, Telkom, ISPA and Switch Telecom did not comment on the Authority’s preliminary view with regard to market and regulatory barriers to entry in respect of countervailing bargaining power.

### 3.3.14. Conclusion on the assessment of effectiveness of competition

#### 3.3.14.1. Assessment of competition

The Authority's view was that no new evidence has been submitted to persuade the Authority that the market for the provision of wholesale mobile voice call termination services and wholesale fixed termination services is effectively competitive. The Authority was of the view that competition in the wholesale voice call termination markets remain ineffective.

Vodacom is in agreement that competition in all the wholesale voice call termination markets may remain ineffective due to the structural characteristics (i.e. each operator holds 100% of the market share in its respective wholesale voice call termination market and barriers to entry) of the wholesale voice call termination markets. However, it is concerned that the Authority has not assessed fully the likely indirect constraint placed on call termination services by VoIP/OTT/IM services.<sup>39</sup>

#### The Authority's response:

Please refer to the Authority's responses with regard to point 3.1.1 Product Market definition.

### 3.3.15. Determination on market failures

The Authority indicated that each licensee faces no competition owing to the fact that other licensees have no option but to purchase termination service from the terminating licensee.

The Authority acknowledged that despite the recent technological developments such as Voice over LTE, Wi-Fi calling, etc. and increased presence of OTT VoIP services such as WhatsApp, Skype, FaceTime, etc., the Authority was of view that these services are not perfect substitutes for off-net voice calls for the period under review.

The Authority indicated that in the absence of a potential demand-side and supply-side alternative to the provision of voice call termination over a particular network, licensees could therefore act independently of competitors and retail subscribers in the setting of termination rates.

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<sup>39</sup> Vodacom's written submission on the Discussion Document P10

The Authority's view was that the following four market failures identified in 2010 and 2014 continue to exist during the period under review:

- A lack of the provision of access
- The potential for discrimination between licensees offering similar services
- A lack of transparency
- Inefficient pricing

MTN indicated that it does not agree with the Authority's determination that market failures identified in 2010 and 2014 continue to exist. MTN is of the view that "...the market failure is the ineffective competition in the relevant defined termination markets due to the structural characteristics of the markets"<sup>40</sup>. MTN proposed the following wording in respect of market failure

"The Authority has identified the following market failure:

- Ineffective competition due to the absolute barriers to market entry [i.e. in that each operator has SMP in its own market for wholesale voice call termination]"<sup>41</sup>

Vodacom indicated that it agrees with the Authority's view and that the defined markets fail equally with regard to the identified market failures, subject to its concerns that the Authority has not assessed fully the likely indirect constraint placed on call termination services by VoIP / OTT / IM services.<sup>42</sup>

Cell C agrees with the Authority that the identified four market failures continue to exist.<sup>43</sup>

#### The Authority's response

The Authority has considered MTN's submission with regard to absolute barriers to entry to the identified markets in making the determination that market failures will recur in the absence of regulation. Please refer to the Authority's responses with regard to point 3.1.1 Product Market definition in response to Vodacom's concern regarding VoIP / OTT / IM services.

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<sup>40</sup> MTN written submission on the Discussion Document P 13

<sup>41</sup> Ibid

<sup>42</sup> Vodacom's written submission on the Discussion Document P10

<sup>43</sup> Cell C's written submission on the Discussion Document P7

### 3.4. Regulation 6 – Significant Market Power determination

The Authority's view was that each individual ECNS and individual ECS licensees that offers wholesale voice call termination services still has significant market power in its own market for wholesale voice call termination.

MTN agreed with the Authority's view that each I-ECNS and I-ECS has SMP in its market for wholesale voice call termination.<sup>44</sup>

Vodacom agreed with the Authority that "...in terms of section 67(5) each I-ECNS and I-ECS licensee has SMP in the market for wholesale voice call termination services on its network as defined." However, Vodacom raised a concern that the Authority "...has not assessed fully the likely indirect constraint placed on call termination services by VoIP / OTT / IM services..."

#### The Authority's response:

Please refer to the Authority's responses with regard to point 3.1.1 Product Market definition in response to VoIP / OTT / IM services.

### 3.5. Regulation 7 – Pro-competitive terms and conditions

#### 3.5.1. The nature of pro-competitive terms and conditions

The Authority's view was that there was no reason for change in the use of behavioral remedies and also that these remedies were still relevant to address market failures in the markets for wholesale voice call termination services.

MTN indicated that it does not agree with "...the Authority's assertion to continue with behavioral remedies in respect of Regulation 7 (3)(a)(b) of the 2014 Call Termination Regulations for the following reasons:

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<sup>44</sup> MTN's written submission on the Discussion Document P14

- MTN's proposes that a symmetric interconnection regime should be adopted on the grounds of economic efficiency;
- Asymmetry on the basis of economies and scale are for new entrants and limited in duration and not more than 4 years ...;
- Asymmetrical regulation should be justified on the basis of exogenous cost differences only after the expiry of the "new entrant" time period."<sup>45</sup>

MTN raised a concern that the Authority did not "...address whether and how it plans to modify some or all of the pro-competitive conditions in line with the principle of proportionality, or how these relevant remedies will be applied to which licensee."<sup>46</sup>

Notwithstanding Vodacom's concerns that the Authority has not assessed fully the likely indirect constraint placed on call termination services by VoIP / OTT / IM services, Vodacom indicated that it agrees with the Authority's view that there is no reason for change in the use of behavioral wholesale remedies that regulate "*as deep into the network as possible*"<sup>47</sup> to address market failure.

Cell C agrees with the Authority's view that the use of behavioral remedies are still relevant to address the identified market failures. Cell C also indicated that "...the relatively stagnant market shares of the four MNO...reflect the fact that the regulatory measures that have been put in place to address the four market failures have not stimulated competition in the wider or the narrow market."<sup>48</sup>

#### The Authority's response:

The Authority is of the view that the 2014 behavioral remedies (i.e. charge of fair and reasonable prices for wholesale voice call termination, publication of a reference interconnection offer and price control (cost-based pricing)) are still relevant in order to address the four market failures which may recur in the absence of regulation.

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<sup>45</sup> MTN's written submission on the Discussion Document P14

<sup>46</sup> Ibid

<sup>47</sup> Vodacom's written submission on the Discussion Document P10

<sup>48</sup> Cell C's written submission on the Discussion Document P8

### 3.5.2. The 2014 Call Termination regulations pro-competitive terms and conditions

To address the identified market failures, the Authority imposed pro-competitive remedy on all licensees to charge fair and reasonable prices for wholesale voice call termination in terms of regulation 7(2) of the 2014 Call Termination Regulations.

The Authority imposed additional pro-competitive remedies (cost-based pricing and publication reference interconnection offer) on Vodacom, MTN and Telkom in terms of regulation 7(3) of the 2014 Call Termination Regulations

Even though market failure continues to exist, the Authority indicated that it was pleased that the 2014 Call Termination Regulations have at least achieved the following:

- (a) A more efficient and effective access regime;
- (b) A dynamic retail environment; and
- (c) Continued access and investment in electronic communications networks in South Africa.

MTN agrees with the Authority's view that the 2014 Call Termination Regulations achieved "...improved efficiency of the access regime, a more dynamic retail environment and continued investment in networks"<sup>49</sup> due to the use of a glide path and Long-Run Incremental Cost plus cost standard.

Vodacom indicated that it is not clear "...how the Authority intends to proceed with pro-competitive conditions as it has not as part of the review under section 67(8)(a) made any determinations on the pro-competitive conditions..."<sup>50</sup>. Vodacom further indicated that "...section 67(8)(b) and (c) inform and guide the operation of paragraph (a), and that any assessment by the Authority of a review under this subsection should therefore contain an assessment under paragraphs (b) and (c)."<sup>51</sup>

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<sup>49</sup> MTN's written submission on the Discussion Document P14

<sup>50</sup> Vodacom's written submission on the Discussion Document P11

<sup>51</sup> Vodacom's written submission on the Discussion Document P11

The Authority's response:

The Authority is of the considered view that the following pro-competitive terms and conditions imposed on licensees in 2014 are still relevant.

The Authority has concerns raised by licensees regarding the time required to finalise this review process. The Authority will publish a notice extending the period of validity of regulation 7 of the 2014 Call Termination Regulations in the Government Gazette. The Authority envisage to finalise the process to determine new mobile and fixed termination rates by no later than 30 September 2018.

#### **4. Analysis of submission on general comments on the Discussion Document**

##### **4.1. MTN**

The regulatory process for the review of pro-competitive conditions

While MTN agrees with the Authority's approach to first review pro-competitive remedies imposed on licensees in respect of the 2014 Call Termination Regulations in terms of section 67(8)(a) (ii) of the ECA, "...MTN requests clarity on the end-to-end review process, specifically with regard to what the timelines and consultative approach will be during this review especially relating to the calculation methodology of the applicable termination rates."

With regard to the Authority's two-phased approach in undertaking the review of the 2014 pro-competitive conditions in accordance with section 67(8) of the ECA, MTN indicated that the notice states that:

- a market failure still exists in the call termination market, so the Authority appears to have concluded its analysis for Phase 1;
- the Authority declared all licensees providing wholesale voice termination service in the relevant market to have SMP, which appears to suggest that the Authority has initiated Phase 2;

- that the 2014 pro-competitive conditions remain relevant, but is silent on section 67(8)(a)(ii) of the ECA.

MTN raised a concern with regard to the next phase as paragraph 4 of the notice appears to suggest that there may be phase 3 to this review process aimed at determining the suitable termination rates.

MTN further raised a concern "...about the time [to the deadline of 30 September] that will be allocated to the critical issues of costing standards, financial data collection and interpretation, cost modelling, and the concept of asymmetry"<sup>52</sup>. In addition, MTN is of the view that "these issues are likely to have a significant impact on MTN's business, and the Authority appears to be silent on such critical issues."<sup>53</sup>

MTN recommended that the Authority "...follow the 2014 process as an established precedent, and ...provide a clear plan of action, engagement process and timeline for the determination of suitable termination rates."

MTN raised a concern that paragraph 4 of the notice seems to "...suggests that there may in fact be a phase 3 to this process (aimed at determining the suitable termination rates)"<sup>54</sup>. In addition, MTN stated that it is not clear at all when or how the decision to proceed to phase 3 will take place – nor which methodology will be used to determine suitable termination rates.

#### Glide path

MTN recommends that the Authority maintain the glide path principle to avoid significant business model shock so that operators can adopt to the new access regime without having to dramatically and instantly rebalance their business plan/ business model

#### Cost standard

MTN recommend the retention of LRIC+ cost standard as it allows for recovery of common costs and does not impair forward-looking investment decision.

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<sup>52</sup> MTN's written submission on the Discussion Document P5

<sup>53</sup> Ibid

<sup>54</sup> Ibid



## 4.2. Vodacom

### Asymmetry

Vodacom is of the view that there can no longer be any justification for asymmetry and that the Authority should determine a single mobile termination rate and single fixed termination rate to all licensees. Vodacom further indicated that international best practice is to set symmetric termination rates for new entrants at the time of entry (based on exogenous cost differences) and short term in nature with a clear glide-path to symmetry.

### Cost standard

Vodacom stated that it supports a single cost standard that applies to all licensees offering wholesale call termination services and is of the view that LRIC+ remains the most appropriate cost standard. Vodacom further stated that LRIC+ reflects economies of scale and scope and provides appropriate forward looking market signals to new entrants.

### Top-down and bottom-up cost models

Vodacom stated that it supports the principle of the use of a combination of top-down financial cost models and a transparent bottom-up network engineering model that are the products of proper consultation processes.

Vodacom indicated that it disagrees with the determination that different types of mobile network operators (1x large mobile network operator and 1x small network operator) and fixed network operators (1x large mobile network operator and 1x small network operator) be modelled. Vodacom stated that a single cost based mobile termination rates and a single cost based fixed termination rates applicable to all licensees should be determined with reference to the underlying costs of a hypothetical efficient mobile and fixed operator respectively.

### Glide path

Vodacom indicated that it supports the implementation of a glide-path.

#### 4.3. Cell C

##### Timetable for this review

Cell C is of the view that the Authority "...cannot meet the deadline of 30 September 2017 for the release of the new Call Termination Regulations without significant difficulty and perhaps a repeat of the very time-pressured 2 months of 2014."<sup>55</sup>

Cell C recommend that the Authority extend the validity of the current Call Termination Regulations "...to allow the current regime to continue until such time as the cost modelling exercise has been complement...in order to determine appropriate and proportionate pro-competitive remedies to address the four market failure that continue to exist."<sup>56</sup>

##### Continued lack of competition

Cell C indicated that "...relatively stagnant market shares of the four MNOs...reflect that the regulatory measures that have been put in place to address the four market failures have not stimulated completion...". In addition, Cell C indicated that the rate of asymmetry afforded to it and Telkom Mobile did not result in market share and traffic growth in the call termination market. Cell C further stated that it was not able to achieve the traffic forecast anticipated by Detecon while other operators have dramatically exceeded Detecon's forecast.

##### Top-down and Bottom-up models

Cell C raised concerns with regard to the application of top-down models developed by the Authority in 2014. In addition, Cell C raised a concern with regard to a lack of transparency of the 2014 bottom-up modelling process and also a number of significant concerns with regard to bottom-up models assumptions and predictions, especially for a small operator.

Cell C indicated that the new bottom-up models should properly capture roaming traffic and or costs.

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<sup>55</sup> Cell C's written submission on the Discussion Document P5

<sup>56</sup> Ibid

### Asymmetry

Cell C indicated that the position of small operators has not changed since 2014 and the existing remedies have not been adequate to address market failure as small operators still lack scale benefits relative to large operators. Cell C indicated that “termination rates must be set at cost of large operators and above cost of smaller operators to enable them to increase traffic on their networks, grow market share, increase their revenue market share, become sustainable, and compete effectively.”<sup>57</sup>

## 4.4. Telkom

### Parity

Telkom stated that ICASA should no longer make a distinction between the remedies applied to the mobile and fixed operators due to technological convergence and international best practice (Nigeria, Ghana, Namibia and Kenya).

### Mobile termination rates

Telkom further stated that the overall level of mobile termination rates remains too high and should be reduced to allow smaller operators to compete more effectively with the incumbent mobile operators.

### Fixed termination rates

Telkom indicated that fixed termination rates include the cost of building and maintaining the nationwide access network.

### Mobile asymmetry

Telkom indicated that asymmetric mobile termination rates should continue to be applied but only to Telkom Mobile as Cell C is no longer a new entrant to the South African market and has benefited from asymmetric MTRs for many years. Telkom recommended “...an asymmetric approach to rates for termination be adopted in the pro-competitive remedies determined by the use of bottom-up and top-down cost models.”

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<sup>57</sup> Ibid

#### 4.5. ISPA

ISPA indicated that there is a clear case for more aggressive asymmetry to be imposed in this market. ISPA is of the view that the same levels of asymmetry applied in the mobile termination markets should be applied in the fixed voice call termination market to facilitate greater competition to the ongoing dominance of Telkom in this market.

#### 4.6. Switch Telecom

Switch Telecom indicated that the Authority has placed disproportionate emphasis on the mobile market due to differences in asymmetry between mobile and fixed termination markets. This has resulted in smaller non-SMP fixed operators (e.g. Switch Telecom) subsidizing much larger non-SMP mobile operators (e.g. Cell C, Telkom Mobile).

Switch Telecom recommend that the Authority apply the same asymmetric call termination rate for non-SMP operators in the fixed and mobile markets to promote competition in a market still dominated by Telkom.

### 5. The Authority's findings

After taking into consideration written submissions on the Discussion Document and analysis thereof, the Authority's findings with regard to the review of the 2014 pro-competitive conditions are as follows:

- **Regulation 3 on Market definition**

The Mobile termination markets and Fixed termination markets are defined as follows:

- Mobile termination markets: The market for wholesale voice call termination services on the network of each licensee that offers termination to a mobile location within the Republic of South Africa (excluding termination of internationally originated voice calls).

- Fixed termination markets: The market for wholesale voice call termination services on the network of each licensee that offers termination to a fixed location within the Republic of South Africa (excluding termination of internationally originated voice calls).

- **Regulation 4 on Methodology**

The Authority sees no need to amend the specified approach in the evaluation of effectiveness of competition in the defined markets as per the requirement of section 67(4A) of the ECA.

- **Regulation 5 on Effectiveness of competition**

The Authority has determined that the following four market failures in the Mobile termination markets and Fixed termination markets may recur in the absence of regulation:

- A lack of provision of access,
- The potential for discrimination between licensees offering similar services,
- A lack of transparency, and
- Inefficient pricing.

- **Regulation 6 on Significant Market Power determination**

The Authority declares that each Individual Electronic Communications Network Service and Individual Electronic Communications Service licensee that offers wholesale voice call termination services has Significant Market Power in its own market for wholesale voice call termination.

- **Regulation 7 on Pro-competitive terms and conditions**

The Authority has determined to retain the following pro-competitive terms and conditions to correct the market failures as per regulation 5 above:

- All licensees must charge fair and reasonable prices for wholesale voice termination.
- Publication of a reference interconnection offer and Price control (cost-based pricing).

## 6. Way forward

In light of the concerns raised by licensees regarding the time required to finalise this review process, the Authority will publish a notice extending the period of validity of regulation 7 of the 2014 Call Termination Regulations in the Government Gazette.

The Authority will publish a briefing note outlining the consultative approach and timeliness to determine new termination rates by no later than 30 September 2017.

**DEPARTMENT OF LABOUR**  
**NOTICE 730 OF 2017**  
**LABOUR RELATIONS ACT, 1995**

**CANCELLATION OF REGISTRATION OF A TRADE UNION**

I, Johannes Theodorus Crouse, Registrar of Labour Relations, hereby, in terms of section 106(2A), cancel the registration of **Imbumba Workers Union (IWU) (LR 2/6/2/1908)** with effect from ..... 8 September 2017 .....

The name of the Organisation has been removed from the Register of Trade Unions and a notice is hereby published in the Government Gazette in terms of section 109(2) of the Act.

  
**REGISTRAR OF LABOUR RELATIONS**

DEPARTMENT OF LABOUR  
NOTICE 731 OF 2017

## REQUEST FOR PROPOSALS FROM SERVICE PROVIDERS FOR TURNAROUND SOLUTIONS

Productivity SA is established in terms of Section 31 of the Employment Services Act, No. 4 of 2014, with the mandate to promote employment growth and productivity, thus contributing to South Africa's socio-economic development and competitiveness and managed in accordance with the Public Finance Management Act (PFMA). Productivity SA is calling for partnerships with service providers.

The call is specifically for service providers to render services and submit a portfolio of evidence to Productivity SA's Turnaround Solutions programme. An initiative funded by the Unemployment Insurance Fund (UIF)

**Turnaround Solutions is looking for service providers with five to ten years-experience with the following skills set:**

- Five or more years consulting experience in the public sector
- Turnaround and Business Rescue specialist
- Business process re-engineering, Lean Management and Productivity Improvement
- Business improvement and assessment
- Business growth and development
- Ability to acquire funding for ailing businesses

**A minimum tertiary qualification accompanied by a portfolio of evidence in turnaround strategies is required. The aim of Turnaround Solutions is to:**

- Prevent job losses
- Improve profitability
- Job creation
- Improve productivity in both private and public sector
- Create a culture of productivity through dialogue and growth initiatives

**Compliance requirements**

- Valid tax clearance certificate
- Valid BBBEE certificate
- Central Supplier Database registration and report

Proposals can be submitted electronically or by hand to Productivity SA – International Business Gateway Park, Sanlam North building cnr. 6th and New Road, Midrand. Tel: **011 848 5300**

**CLOSING DATE: 13TH OCTOBER 2017 – 4 p.m.**

For electronic submission or further information, please email [turnaround@productivitysa.co.za](mailto:turnaround@productivitysa.co.za) or call on **011 848 5310 or 848 5336**. Proposals are no guarantee that future services will be engaged or used.

**productivitysa**   
*Inspiring a Competitive South Africa*



## DEPARTMENT OF LABOUR

## NOTICE 732 OF 2017

## NOTICE OF AUGUST 2017

PLEASE FIND SET OUT BELOW A LIST OF BARGAINING COUNCILS THAT HAVE BEEN ACCREDITED BY THE CCMA IN TERMS OF THE PROVISIONS OF THE LABOUR RELATIONS ACT 66 OF 1995 (AS AMENDED) FOR CONCILIATION AND/ OR ARBITRATION AND/ OR INQUIRY BY ARBITRATOR, WITH THE TERMS OF ACCREDITATION ATTACHED FOR THE PERIOD 01 JUNE 2017 TO THE 31 MAY 2020.

**BARGAINING COUNCILS ACCREDITED TO CONDUCT CONCILIATION AND ARBITRATION,  
SUBJECT TO CONDITIONS WHERE APPLICABLE**

Name of Council	Accredited Functions
<b><u>PRIVATE SECTOR BARGAINING COUNCILS</u></b>	
<b>National Bargaining Council for the Clothing Industry</b>	Accredited for conciliation and arbitration (including Inquiry by Arbitrator) from <b>01 June 2017</b> until <b>31 May 2020</b> on condition that the settlement rate is improved upon, the equitable distribution of work across different races and genders is met and that all sections 198 and 198A to 198C-matters are allocated to only those part-time CCMA Commissioners who have been successfully trained by the CCMA on section 198 and its insertions.
<b>National Bargaining Council for the Sugar Manufacturing and Refining Industry</b>	Accredited for conciliation and arbitration (including Inquiry by Arbitrator) from <b>01 June 2017</b> until <b>31 May 2019</b> on condition that the settlement rate and turnaround time for conciliation efficiencies are improved upon, the Collective Agreement is extended to non-parties and that all sections 198 and 198A to 198C-matters are allocated to only those part-time Commissioners who have been successfully

	trained by the CCMA on section 198 and its insertions.
<b>Bargaining Council for the Canvas Goods Industry</b>	Accredited for conciliation and arbitration (including Inquiry by Arbitrator) from <b>01 June 2017</b> until <b>31 May 2019</b> on condition that the Collective Agreement is extended to non-parties and that all sections 198 and 198A to 198C-matters are allocated to only those part-time Commissioners who have been successfully trained by the CCMA on section 198 and its insertions.
<b>National Bargaining Council for the Diamond Cutting Industry</b>	Accredited for conciliation for party-party disputes only (from <b>01 June 2017</b> until <b>31 May 2019</b> on condition that sections 198 and 198A to 198C-matters are allocated to only those part-time Commissioners who have been successfully trained by the CCMA on section 198 and its insertions.
<b>National Bargaining Council for the Chemical Industry</b>	Accredited for conciliation and arbitration (including Inquiry by Arbitrator) from <b>01 June 2017</b> until <b>31 May 2019</b> on condition that the settlement rate, late awards and turnaround time for conciliation efficiencies are improved upon, the equitable distribution of work across different races and genders is met, the Collective Agreement is extended to non-parties and that all sections 198 and 198A to 198C-matters are allocated to only those part-time Commissioners who have been successfully trained by the CCMA on section 198 and its insertions.
<b><u>PUBLIC SECTOR BARGAINING COUNCILS</u></b>	
<b>Public Service Co-ordinating Bargaining Council</b>	Accredited for conciliation and arbitration (including Inquiry by Arbitrator) from <b>01 June 2017</b> until <b>31 May 2020</b> on condition that all performance efficiencies are improved upon, the equitable distribution of work across different

	<p>racess and genders is met and that sections 198 and 198A to 198C-matters are allocated to only those part-time Commissioners who have been successfully trained by the CCMA on section 198 and its insertions.</p>
<b>General Public Service Sectoral Bargaining Council</b>	<p>Accredited for conciliation and arbitration (including Inquiry by Arbitrator) from <b>01 July 2017</b> until <b>30 June 2020</b> on condition that the settlement rate, postponement/adjournment rate efficiencies are improved upon, equitable distribution of work across different races and genders is met and that all sections 198 and 198A to 198C-matters are allocated to only those part-time Commissioners who have been successfully trained by the CCMA on section 198 and its insertions.</p>
<b>Safety and Security Sectoral Bargaining Council</b>	<p>To be accredited for conciliation and arbitration (including Inquiry by Arbitrator) from <b>01 June 2017</b> until <b>31 May 2020</b> on condition that the settlement rate, late awards, postponement rate and the turnaround time for arbitration efficiencies are improved upon, the equitable distribution of work across different races and genders is met and that all sections 198 and 198A to 198C-matters are allocated to only those part-time Commissioners who have been successfully trained by the CCMA on section 198 and its insertions.</p>

## TERMS OF ACCREDITATION FOR CONCILIATION, ARBITRATION AND INQUIRY BY ARBITRATOR

### 1. SCOPE OF ACCREDITATION:

Herewith categories of disputes for which Councils are eligible to apply for accreditation.

#### **COUNCILS ARE ACCREDITED TO PERFORM THE FOLLOWING DISPUTE RESOLUTIONS FUNCTIONS:**

Unfair dismissal disputes	- Section 191
Unfair Labour practice	- Section 191
Mutual Interest disputes	- Section 64
Interpretation of Collective Agreement disputes	- Section 24 (1)
Essential Services disputes	- Section 74
Pre-dismissal arbitrations	- Section 188A
Temporary Employment Service	- Section 198, 198A, 198B, 198C and 198D
Disputes about Interpretation and Application of Chapter 2	- Section 9

COUNCILS MAY NOT SEEK ACCREDITATION FOR THE FOLLOWING DISPUTE RESOLUTION FUNCTIONS REGARDING DISPUTES OVER THE FOLLOWING (see FOOTNOTE 11 of SECTION 51):

Organisational rights (sections 16, 21 and 22);

Collective Agreements where the agreement does not provide for a dispute resolution procedure or the procedure is inoperative or any party frustrates the resolution of disputes (section 24(2) to (5));

Agency shops and closed shops (section 24(6) and (7) and section 26(11);

Determinations made by the Minister in respect of proposals made by a Statutory Council (section 45);

The interpretation and application of Collective Agreements of a Council whose registration has been cancelled (section 61(5) to (8));

Demarcation of sectors and areas of Councils (section 62);

The Interpretation or application of Part C (Bargaining Councils), Part D (Bargaining Councils in the Public Service), Part E (Statutory Councils) and Part F (General Provisions concerning Councils) (Section 63);

Picketing (section 69(8) to 10);

Proposals which are the subject of joint-decision making in a workplace forum (section 86);

Disclosure of information to workplace forums (section 89);

Interpretation or Application of the provisions of Chapter 5 of the LRA which deals with workplace forums (section 94);

Enforcement of the Collective Agreements by Bargaining Councils (section 33A) and;

Enforcement of arbitration awards in terms of section 143. Only the Director of the CCMA, unless the power has been delegated to a CCMA Senior Commissioner may certify awards as if it were an order of the Labour Court;

Facilitating mass retrenchment disputes section 189(A).



## **2. POWERS OF ACCREDITATION:**

Only those persons who are accredited by the CCMA, or are part-time Commissioners appointed by the Governing Body of the Commission in the terms of section 117 (2) of the Labour Relations Act, may perform the accreditation functions of the council for the Council.

The following provisions of the LRA, as amended apply to Councils accredited for conciliation and arbitration:

- (a) For the purpose of this paragraph any reference in Part C of Chapter VII of the LRA to:
  - "Commission" must be read as a reference to the Council;
  - "Commissioner" must be read as a reference to a conciliator or arbitrator appointed by the Council.
  - "Director" must be read as a reference to the Secretary of the Council.
- (b) The provisions of the sections contained in Part C of Chapter VII (section 127(6)) of the LRA shall apply to the Council in the performance of its accredited functions subject to the Council's Constitution and/or Collective Agreements. For the purpose of this sub-paragraph the following applies:
  - (i) The provisions of section 133 to 136;
  - (ii) The provisions of section 138 to 142, S142A, S143, S144 and S145;
  - (iii) The provisions of section 146 unless the Collective Agreement of the Council provides that the Arbitration Act, Act 42 of 1965 applies to any arbitration conducted under its accredited function and which Collective Agreement is binding on the parties to the disputes; and
  - (iv) The provisions of section 148.

## **3. EXTENSION OF ACCREDITATION:**

Despite the expiry of the period of accreditation as stated in the Certificate of Accreditation, the Council may continue to perform its accredited functions in respect of any dispute referred to it during the period of accreditation, but not yet resolved by the time the period expires, until the dispute is resolved either through conciliation or arbitration.

## **4. TRANSGRESSION OF TERMS OF ACCREDITATION:**

If the accredited Council fails to comply with the terms of accreditation, the Governing Body of the CCMA may revoke accreditation. In terms of section 130 of the LRA, as amended the Governing Body of the CCMA may withdraw accreditation after having given reasonable notice of withdrawal.

## **5. AMENDMENT OF ACCREDITATION:**

An Accredited Council may apply to the Governing Body of the CCMA in terms of section 129 of the LRA to amend its accreditation.

**NON-GOVERNMENTAL ORGANIZATION**  
**NOTICE 733 OF 2017**

ANNUAL REPORT  
**2016**  
**2017**

**NOTICE AND INVITATION**  
Presentation of the Annual Report  
**26 October 2017**  
at Gallagher Convention Centre



The Presentation of the 2016/17 Annual Report of the Media, Information and Communication Technologies Sector Education and Training Authority will be held on Thursday, 26 October 2017 in accordance with clause 15 (1) (c) of the MICT SETA Constitution.

All employee organisations, employer organisations and other interested stakeholders within the Media, Information and Communication Technologies Sector are invited to attend.

Time	Description	Presenter
09:15 – 09:50	<b>Arrivals and Registration</b>	All
10:00 – 10:30	Opening and Welcome	MC: Ms. Xabiso Matshikiza
10:30 – 10:45	<b>Foreword by the Chairperson</b> <ul style="list-style-type: none"> <li>Report of the Auditor-General for the year 2016/2017</li> </ul>	Chairperson: Mr. Sipho J. Mjwara
10:45 – 11:30	<b>CEO's Overview</b> <ul style="list-style-type: none"> <li>Predetermined Performance Information</li> <li>Governance</li> </ul> <i>Corporate Theatre Production</i> <b>CFO's</b> <ul style="list-style-type: none"> <li>Annual Financial Statements of the Accounting Authority for the year 2016/2017</li> </ul>	CEO: Mr. Oupa Mopaki  CFO: Ms. Noni Gontshi
11:30 – 12:15	Discussion/Comments <i>Corporate Theatre Production</i>	MC: Ms. Xabiso Matshikiza
12:15 – 12:30	Way Forward and Closure	Chairperson: Mr. Sipho J. Mjwara
12:30 – 13:30	<b>Sub-sector Showcase</b>	
<b>12:30 LUNCH</b>		



**mictseta**

Media, Information and Communication Technologies  
Sector Education and Training Authority

Accelerating quality skills towards an information savvy society

To RSVP please visit our website: [www.mict.org.za](http://www.mict.org.za)  
For any questions please contact: [events@mict.org.za](mailto:events@mict.org.za)



Media, Information and Communication Technologies Sector Education and Training Authority  
| Head Office, Midrand | Block 2, Level 3 WestGallagher Convention Centre  
| Gallagher Estate | 19 Richards Drive | Halfway House | MIDRAND | 1685

**DEPARTMENT OF PUBLIC WORKS  
NOTICE 734 OF 2017**

**INVITATION TO ALL UNPAID NDPW SUPPLIERS**

An invitation to all service providers that are owed monies by The National Department of Public Works with offices at the corner of Dr Pixely ka Seme & Samora Machel Street to attend the meeting on the 02 and 03 October 2017.

**Date : 02 & 03 October 2017**

**Venue : Westville Prison Recreation Hall**

**Time : 9.00 AM**

Contractor's with company names starting with **A to M** to attend on the 2 October 2017 and those starting with **N to Z** on 3 October 2017.

Contractors are requested to supply the following documentation to facilitate the processing of payments:

1. Letter of appointment
2. Fully detailed Quotations
3. Job cards
4. Certified Copies of Suppliers invoice.
5. Artisan Certification.
6. Fully completed P.A 11.
7. Fully completed P.A 29.
8. Fully completed Terms and conditions applicable to emergency services.
9. Fully completed confirmation of service delivery.

**FOR QUERIES PLEASE CONTACT:**

**MR P SINGH - TEL : 031 314 7157**

**CELL: 079 523 1521**

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM****NOTICE 735 OF 2017****GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	:	<b>A portion of Remainder of the farm Hohoza No. 16514, now known as Erf 1 Maphumulo</b>
<b>Extent of property</b>	:	<b>0, 8718 ha</b>
<b>Magisterial District</b>	:	<b>Maphumulo</b>
<b>Administrative District</b>	:	<b>KwaZulu-Natal</b>
<b>Current Title Deed No.</b>	:	<b>T20597/2003</b>
<b>Current Owner</b>	:	<b>Ingonyama Trust-Trustees</b>
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	:	<b>None</b>
<b>Claimant</b>	:	<b>Michael Mthembu</b>
<b>Date claim lodged</b>	:	<b>30 December 1998</b>
<b>Reference number</b>	:	<b>KRN6/2/2/E/22/0/0/9</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

The Regional Land Claims Commissioner: KwaZulu-Natal  
Private Bag X9120  
Pietermaritzburg 3200

Tel: (033) 355 - 8400  
Fax: (033) 342 - 3409

Submissions may also be delivered to Second Floor, African Life Building, 200 Church Street, Pietermaritzburg.

**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**



**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM**  
**NOTICE 736 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	<b>:</b>	<b>Erf 342 Wasbank Township</b>
<b>Extent of property</b>	<b>:</b>	<b>2, 9521 ha</b>
<b>Magisterial District</b>	<b>:</b>	<b>Klip River</b>
<b>Administrative District</b>	<b>:</b>	<b>KwaZulu-Natal</b>
<b>Current Title Deed No.</b>	<b>:</b>	<b>T13918/1978</b>
<b>Current Owner</b>	<b>:</b>	<b>Republic of South Africa</b>
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	<b>:</b>	<b>None</b>
<b>Claimant</b>	<b>:</b>	<b>Zibuse Sixtus Ncube</b>
<b>Date claim lodged</b>	<b>:</b>	<b>13 November 1998</b>
<b>Reference number</b>	<b>:</b>	<b>KRN6/2/2/E/17/0/0/136</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

The Regional Land Claims Commissioner: KwaZulu-Natal  
Private Bag X9120  
Pietermaritzburg 3200

Tel: (033) 355 - 8400  
Fax: (033) 342 - 3409

Submissions may also be delivered to Second Floor, African Life Building, 200 Church Street, Pietermaritzburg.

**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

## DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

## NOTICE 737 OF 2017

## GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

Property	:	1. A half share in Remainder of Sub 2 of Sub A of Sub D No. 8 of the farm Klipfontein No. 922
		2. A half share in Remainder of A of the farm Klipfontein No. 922
		3. A half share in Sub 47 (a Sub of 1 of D No. 8) of the farm Klipfontein No. 922
		4. A half share in Sub 2 of Sub 2 of Sub A of Sub D No. 8 of the farm Klipfontein No. 922
Extent of property	:	1. 4, 9342 ha
		2. 30, 1895 ha
		3. 13, 0966 ha
		4. 1, 0965 ha
Magisterial District	:	Lower Tugela
Administrative District	:	KwaZulu-Natal
Previous Title Deed No.	:	T3119/1978
Claimant	:	Mariemall Naicker
Date claim lodged	:	29 December 1998
Reference number	:	KRN6/2/2/E/20/0/0/44

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

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**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM****NOTICE 738 OF 2017****GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	:	<b>see attached schedule</b>
<b>Extent of property</b>	:	<b>see attached schedule</b>
<b>Magisterial District</b>	:	<b>Port Shepstone</b>
<b>Administrative District</b>	:	<b>KwaZulu-Natal</b>
<b>Current Title Deed No.</b>	:	<b>see attached schedule</b>
<b>Current Owner</b>	:	<b>see attached schedule</b>
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	:	<b>see attached schedule</b>
<b>Claimant</b>	:	<b>Sibongiseni Midwell Mqadi on behalf of the Fairview Mission Community</b>
<b>Date claim lodged</b>	:	<b>29 December 1998</b>
<b>Reference number</b>	:	<b>KRN6/2/2/E/41/0/0/112</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

The Regional Land Claims Commissioner: KwaZulu-Natal  
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**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

## SCHEDULE

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTIONS)
1	Remainder of the farm Fairview No. 15590	10, 2946 ha	T13133/1989	Board of Administration Finance & Evangelism of Free Methodist Church	I-864/1957LG-2127/6/6/1957 VA2612/2015
2	Remainder of Portion 1 of the farm Fairview No. 15590	577, 3194 ha	T10985/1981 T13809/1997 T14744/1996 T16188/1993 T18062/1994 T2041/1986 T22214/1982 T24253/1998 T26353/1996 T28876/1990 T29787/2001 T30546/1989 T33253/1992 T35407/1995 T437/1958 T4964/1985 T6016/2011 T7091/1994 T7281/1985 T9048/1995 T9596/1998	Edmund James Linda Cele Thokozile Diagracia Zondeka Jabulani Victor Mdunge Emmanuel Nsizwa Machi Sipho Frederick Shabane and 7 others Gift Sifiso Mbele Sibongiseni Midwell Mqadi Ni Valerie Mzelemu Nozenzo Elizabeth Mhlongo Mduduzi Steven Mqadi Margaret Mqadi Ndokazi Maggie Mqadi Thombekile Clarice Mtshali Babo Alfrey Mzelemu Fakazi Jaffa Cele and 82 others Leyton Nxumalo Sandile Cele Maureen Nokukanya Cele Cecil Simphiwe Cele Beauty Ntomifuthi Dladla Bekeni Grace Cele	I-289/2001AT I-961/1989C-6/3/1989 B13393/1988 B26913/1987 VA3326/2006 VA748/1988-22214/1982T
3	Remainder of Portion 2 of the farm Fairview No. 15590	8, 8345 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013
4	Portion 3 of the farm Fairview No. 15590	8, 7160 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013
5	Portion 4 of the farm Fairview No. 15590	7, 9783 ha	T4471/1998	Watts Trading Trust-Trustees	B11319/2013
6	Portion 5 of the farm Fairview No. 15590	8, 2356 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013
7	Portion 6 of the farm Fairview No. 15590	8, 1648 ha	T28689/2009	Bernhard Grdseloff & Daniela Grdseloff-Gwercher	None
8	Portion 7 of the farm Fairview No. 15590			NOT REGISTERED	

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
9	Portion 8 of the farm Fairview No. 15590	7, 2844 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013 K411/2005S K4491/2005S
10	Portion 9 of the farm Fairview No. 15590	9, 0689 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013 K411/2005S K4491/2005S
11	Portion 10 of the farm Fairview No. 15590	8, 0007 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013
12	Portion 11 of the farm Fairview No. 15590	9, 4057 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013
13	Remainder of Portion 12 of the farm Fairview No. 15590	5, 9865 ha	T2526/2007	Alta Maria Monteith & Edward John Monteith	None
14	Remainder of Portion 13 of the farm Fairview No. 15590	5, 8600 ha	T28058/2000	Roderick Charles Patrick Fletcher	None
15	Remainder of Portion 14 of the farm Fairview No. 15590	8, 4060 ha	T4470/1998	Watts Trading Trust-Trustees	B11319/2013
16	Remainder of Portion 18 of the farm Fairview No. 15590	162, 0459 ha	T28248/2007	Madlala Community Trust-Trustees	K1237/1976S
17	Portion 20 of the farm Fairview No. 15590	0, 1813 ha	T12873/2007	South African National Roads Agency Ltd	None
18	Portion 21 of the farm Fairview No. 15590	2, 0714 ha	T12873/2007	South African National Roads Agency Ltd	None
19	Portion 22 of the farm Fairview No. 15590	0, 1989 ha	T12873/2007	South African National Roads Agency Ltd	None
20	Portion 23 of the farm Fairview No. 15590	1, 0361 ha	T12606/2007	South African National Roads Agency Ltd	None
21	Portion 24 of the farm Fairview No. 15590	3, 5965 ha	T12606/2007	South African National Roads Agency Ltd	None
22	Remainder of Portion 25 of the farm Fairview No. 15590	27, 1384 ha	T19132/2016	KwaZulu-Natal Nature Conservation Board	None
23	Portion 26 of the farm Fairview No. 15590	0, 1129 ha	T13076/2007	South African National Roads Agency Ltd	None
24	Portion 27 of the farm Fairview No. 15590	0, 0509 ha	T13076/2007	South African National Roads Agency Ltd	None
25	Portion 28 of the farm Fairview No. 15590	2, 6341 ha	T12638/2007	South African National Roads Agency Ltd	None
26	Portion 29 of the farm Fairview No. 15590	0, 3038 ha	T12638/2007	South African National Roads Agency Ltd	None
27	Portion 36 of the farm Fairview No. 15590	0, 1593 ha	T12638/2007	South African National Roads Agency Ltd	None
28	Remainder of Portion 40 of the farm Fairview No. 15590	1, 9276 ha	T25048/2004	Sudeshen Rammohan Bechoo	VA4247/2008
29	Portion 41 of the farm Fairview No. 15590	8, 5138 ha	T55655/2002	Dumisani Cleopas Dube	None
30	Portion 42 of the farm Fairview No. 15590	2, 1291 ha	T10929/2009	Johannes Michael Germishuizen	None
31	Portion 43 of Portion 18 of the farm Fairview No. 15590	2, 0476 ha	T30461/2016	Siyabonga Simphiweyinkosi Mathe & Sithuthukile Sikhulile Sithokoziso Mathe	B14615/2016
32	Portion 44 of the farm Fairview No. 15590			NOT REGISTERED	
33	Portion 45 of the farm Fairview No. 15590	1, 1504 ha	T21118/2015	The Provincial Government of the Province of KwaZulu-Natal	None
34	Portion 241 of the farm Melbourne No. 2 No. 8159	9, 0785 ha	T9119/1981 T28628/2006	Carol Ann Wheelwright	B36317/2006

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
35	Portion 242 of the farm Melbourne No. 2 No. 8159	9, 6307 ha	T19097/1989 T28628/2006	Carol Ann Wheelwright	B36317/2006
36	Remainder of Portion 243 of Portion 115 of the farm Melbourne No. 2 No. 8159	9, 1631 ha	T52944/1999	Kingwood Properties cc	B14859/2011 K837/1996S
37	Portion 272 of the farm Melbourne No. 2 No. 8159	5, 2815 ha	T5603/1987	Republic of South Africa	None
38	Portion 273 of the farm Melbourne No. 2 No. 8159	7, 5289 ha	T33038/2004	South African National Roads Agency Ltd	None
39	Remainder of Portion 295 of the farm Melbourne No. 2 No. 8159	8, 1440 ha	T58306/2008	Antonie Michael Mulder Wessels	None
40	Portion 296 of the farm Melbourne No. 2 No. 8159	32, 3067 ha	T4472/1998	Watts Trading Trust-Trustees	B11319/2013 K411/2005S K4491/2005S
41	Portion 302 of the farm Melbourne No. 2 No. 8159	5, 7030 ha	T40161/2014	Matthew Innes Langton, Genevieve Emily Langton, MI & GE Langton	B20906/2014
42	Portion 303 of the farm Melbourne No. 2 No. 8159	0, 9396 ha	T40163/2014	Matthew Innes Langton, Genevieve Emily Langton, MI & GE Langton	None
43	A portion of the consolidated Farm No. 17982, known before consolidation as the Remainder of the farm Melbourne No. 7207	100, 3287 ha	T40163/2014	Matthew Innes Langton, Genevieve Emily Langton, MI & GE Langton	B20906/2014
44	Portion 1 of the farm Melbourne No. 7207	20, 2343 ha	T40162/2014	Matthew Innes Langton, Genevieve Emily Langton, MI & GE Langton	B20906/2014 K411/2005S
45	Portion 4 of the farm Melbourne No. 7207			NOT REGISTERED	
46	Portion 5 of the farm Melbourne No. 7207	4, 7935 ha	T60811/2006	Sharron Ruth Bennet & Craig Bell-Roberts	B2626/2008

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM****NOTICE 739 OF 2017****GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	:	<b>A portion of Remainder of the farm Hohoza No. 16514, now known as Erf 1 Maphumulo</b>
<b>Extent of property</b>	:	<b>0, 2764 ha</b>
<b>Magisterial District</b>	:	<b>Maphumulo</b>
<b>Administrative District</b>	:	<b>KwaZulu-Natal</b>
<b>Current Title Deed No.</b>	:	<b>T20597/2003</b>
<b>Current Owner</b>	:	<b>Ingonyama Trust-Trustees</b>
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	:	<b>None</b>
<b>Claimant</b>	:	<b>Fikelephi Madiba</b>
<b>Date claim lodged</b>	:	<b>2 August 1998</b>
<b>Reference number</b>	:	<b>KRN6/2/2/E/22/0/0/16</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

The Regional Land Claims Commissioner: KwaZulu-Natal  
Private Bag X9120  
Pietermaritzburg 3200

Tel: (033) 355 - 8400  
Fax: (033) 342 - 3409

Submissions may also be delivered to Second Floor, African Life Building, 200 Church Street, Pietermaritzburg.

**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM**  
**NOTICE 740 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	:	<b>Remainder of Erf 317 Wasbank Township</b>
<b>Extent of property</b>	:	<b>33, 5279 ha</b>
<b>Magisterial District</b>	:	<b>Klip River</b>
<b>Administrative District</b>	:	<b>KwaZulu-Natal</b>
<b>Current Title Deed No.</b>	:	<b>T16797/1978</b>
<b>Current Owner</b>	:	<b>Republic of South Africa</b>
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	:	<b>K1112/1989RM; K19/1985RM</b>
<b>Claimant</b>	:	<b>Lawrence Nyoyi Zondi</b>
<b>Date claim lodged</b>	:	<b>23 December 1998</b>
<b>Reference number</b>	:	<b>KRN6/2/2/E/17/0/0/235</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

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**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**



**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM  
NOTICE 741 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	:	<b>That portion of Durban, commonly known as No. 9 Ngema Andrias Madlokovu Ngema, Ridgeview Road, Cato Manor</b>
<b>Magisterial District</b>	:	<b>Ethekwini</b>
<b>Administrative District</b>	:	<b>KwaZulu-Natal</b>
<b>Claimant</b>	:	<b>Mysterious Nkosinathi Mkhize on behalf of the Mkhize Family</b>
<b>Date claim lodged</b>	:	<b>2 January 1998</b>
<b>Reference number</b>	:	<b>KRN6/2/3/E/8/817/2716/5646</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

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**LEBJANE MAPHUTHA  
REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL  
DATE:**

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM  
NOTICE 742 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	<b>:</b>	<b>Erf 292 Wasbank Township</b>
<b>Extent of property</b>	<b>:</b>	<b>40, 1018 ha</b>
<b>Magisterial District</b>	<b>:</b>	<b>Klip River</b>
<b>Administrative District</b>	<b>:</b>	<b>KwaZulu-Natal</b>
<b>Current Title Deed No.</b>	<b>:</b>	<b>T332/1979</b>
<b>Current Owner</b>	<b>:</b>	<b>Republic of South Africa</b>
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	<b>:</b>	<b>I-158/979c-17/1/79-1</b>
<b>Claimant</b>	<b>:</b>	<b>Tiny Eunice Mkhwanazi</b>
<b>Date claim lodged</b>	<b>:</b>	<b>14 December 1998</b>
<b>Reference number</b>	<b>:</b>	<b>KRN6/2/2/E/17/0/0/234</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

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**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM**  
**NOTICE 743 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	:	see attached schedule
<b>Extent of property</b>	:	see attached schedule
<b>Magisterial District</b>	:	Dannhauser
<b>Administrative District</b>	:	KwaZulu-Natal
<b>Current Title Deed No.</b>	:	see attached schedule
<b>Current Owner</b>	:	see attached schedule
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	:	see attached schedule
<b>Claimant</b>	:	Jabulani Samuel Ntuli on behalf of the Ntuli Family
<b>Date claim lodged</b>	:	9 December 1998
<b>Reference number</b>	:	KRN6/2/E/6/0/9

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

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Submissions may also be delivered to Second Floor, African Life Building, 200 Church Street, Pietermaritzburg.

**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

#### SCHEDULE

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
1	Portion 84 of the farm Crane Valley No. 7576	3, 1047 ha		Not Registered	
2	A portion of Portion 30 of the farm Crane Valley No. 7576	1, 5043 ha	T10688/1969 T54701/1999 T54069/1999 T54070/1999 T54072/1999	Republic of South Africa Thembisile Mercy Ngwenya Nomusa Lena Zwane Gideon Tshabalala Idah Nomvula Mdidimba	None

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM**  
**NOTICE 744 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

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<b>Property</b>	<b>:</b>	<b>Subdivision 1 of A of 24 of P of O of the farm Cato Manor No. 812</b>
<b>Extent of property</b>	<b>:</b>	<b>0, 2024 ha</b>
<b>Magisterial District</b>	<b>:</b>	<b>Ethekwini</b>
<b>Administrative District</b>	<b>:</b>	<b>KwaZulu-Natal</b>
<b>Previous Title Deed No.</b>	<b>:</b>	<b>T10544/1964</b>
<b>Claimant</b>	<b>:</b>	<b>Samar Singh Rangji Singh</b>
<b>Date claim lodged</b>	<b>:</b>	<b>31 December 1998</b>
<b>Reference number</b>	<b>:</b>	<b>KRN6/2/3/E/8/817/2716/4903</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

The Regional Land Claims Commissioner: KwaZulu-Natal  
Private Bag X9120  
Pietermaritzburg 3200

Tel: (033) 355 - 8400  
Fax: (033) 342 - 3409

Submissions may also be delivered to Second Floor, African Life Building, 200 Church Street, Pietermaritzburg.

**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM**  
**NOTICE 745 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	:	see attached schedule
<b>Extent of property</b>	:	see attached schedule
<b>Magisterial District</b>	:	Dannhauser
<b>Administrative District</b>	:	KwaZulu-Natal
<b>Current Title Deed No.</b>	:	see attached schedule
<b>Current Owner</b>	:	see attached schedule
<b>Bonds &amp; Restrictive Conditions (Interdicts)</b>	:	see attached schedule
<b>Claimant</b>	:	Khehla Jacob Sithole on behalf of the Sithole Family
<b>Date claim lodged</b>	:	30 October 1998
<b>Reference number</b>	:	KRN6/2/E/6/0/0/4

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/or representations from the affected party/parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

The Regional Land Claims Commissioner: KwaZulu-Natal  
Private Bag X9120  
Pietermaritzburg 3200

Tel: (033) 355 - 8400  
Fax: (033) 342 - 3409

Submissions may also be delivered to Second Floor, African Life Building, 200 Church Street, Pietermaritzburg.

**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

#### SCHEDULE

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
1	Portion 51 of the farm Crane Valley No. 7576	0, 8094 ha	T10693/1969	Republic of South Africa	I-4661/1977LG
2	A portion of the Remainder of Portion 54 of the farm Crane Valley No. 7576	0, 4072 ha	T9594/1969	Republic of South Africa	I-4661/1977LG

**CONTINUES ON PAGE 258 - PART 3**





# Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA  
REPUBLIEK VAN SUID AFRIKA

Vol. 627

22 September 2017  
September

No. 41132

**PART 3 OF 3**

N.B. The Government Printing Works will not be held responsible for the quality of "Hard Copies" or "Electronic Files" submitted for publication purposes

ISSN 1682-5843



**AIDS HELPLINE: 0800-0123-22 Prevention is the cure**

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM  
NOTICE 746 OF 2017**

**GENERAL NOTICE IN TERMS SECTION 11 (1) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11 (1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) that a claim for the restitution of land rights on the following properties have been lodged with the Regional Land Claims Commissioner: KwaZulu-Natal and that the Commission on Restitution of Land Rights will further investigate the claim in terms of provisions of the Act in due course:

<b>Property</b>	<b>:</b>	<b>Lot 4 Stanger Township</b>
<b>Extent of property</b>	<b>:</b>	<b>0, 2023 ha</b>
<b>Magisterial District</b>	<b>:</b>	<b>Lower Tugela</b>
<b>Administrative District</b>	<b>:</b>	<b>KwaZulu-Natal</b>
<b>Previous Title Deed No.</b>	<b>:</b>	<b>T9823/1971</b>
<b>Claimant</b>	<b>:</b>	<b>Victor Umlaw</b>
<b>Date claim lodged</b>	<b>:</b>	<b>22 December 1998</b>
<b>Reference number</b>	<b>:</b>	<b>KRN6/2/2/E/20/0/0/94</b>

Any party/parties who have an interest in the above-mentioned properties is hereby invited to submit, within **30 days** from the date of publication of this notice, any representations and/ or information which shall assist the Commissioner in proving or disproving this claim.

Should no information and/ or representations from the affected party/ parties be forthcoming within the stipulated period, the affected party/parties shall be *ipso facto* barred from further doing so and the Commission shall continue with the subsequent processes towards completion of the investigation.

Any comments and information should be submitted to:

The Regional Land Claims Commissioner: KwaZulu-Natal  
Private Bag X9120  
Pietermaritzburg 3200

Tel: (033) 355 - 8400  
Fax: (033) 342 - 3409

Submissions may also be delivered to Second Floor, African Life Building, 200 Church Street, Pietermaritzburg.

**LEBJANE MAPHUTHA**  
**REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU NATAL**  
**DATE:**

**SOUTH AFRICAN RESERVE BANK  
NOTICE 747 OF 2017**

**Notice and Order of Forfeiture**

Notice of Forfeiture to the State of money in terms of the provisions of Exchange Control Regulation 22B made under section 9 of the Currency and Exchanges Act, 1933 (Act No. 9 of 1933), as amended, as promulgated by Government Notice No. R.1111 of 1961-12-01 in respect of the money of:

**Bowinix (Pty) Limited  
(2013/203324/07)**

of:

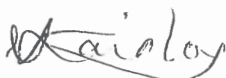
20 Kloof Road  
Bedfordview  
Johannesburg  
2001

and/or

16 A G De Witt Drive  
Solhem  
Germiston  
1401

**Be pleased to take notice that:**

1. The Minister of Finance has, by virtue of the provisions of Exchange Control Regulation 22E delegated all the functions and/or powers conferred upon the Treasury by the provisions of the Exchange Control Regulations [with the exception of the functions and/or powers conferred upon the Treasury by Exchange Control Regulations 3(5) and (8), 20 and 22, but which exception does not include the functions and/or powers under Exchange Control Regulations 22A, 22B, 22C and 22D], and assigned the duties imposed thereunder on the Treasury, to, *inter alia*, the Governor or the Deputy Governor of the South African Reserve Bank.
2. By virtue of the functions, powers and/or duties vested in me, in my capacity as the Deputy Governor of the South African Reserve Bank, in terms of the delegation and assignment of the functions, powers and/or duties referred to in 1 above, I hereby give notice of a decision to forfeit to the State the following money and I hereby declare and order forfeit to the State the following money, namely:
  - 2.1 the amount of USD195 732.00 being capital standing to the credit of Bowinix (Pty) Limited in account number 7851010993, held with Nedbank Limited, together with any interest thereon and/or other accrual thereto.
3. The date upon which the money specified in 2 above is hereby forfeited to the State is the date upon which this Notice of Forfeiture is published in this Gazette.
4. The money specified in 2 above shall be disposed of by deposit thereof to the National Revenue Fund.
5. This Notice also constitutes a written order, as contemplated in Exchange Control Regulation 22B, in terms of which the money specified in 2 above is hereby forfeited to the State.
6. Signed at Pretoria on this 4 day of SEPTEMBER 2017.



**K Naidoo  
Deputy Governor  
South African Reserve Bank**

**SOUTH AFRICAN RESERVE BANK****NOTICE 748 OF 2017****Notice and Order of Forfeiture**

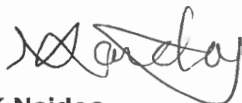
Notice of Forfeiture to the State of money in terms of the provisions of Exchange Control Regulation 22B made under section 9 of the Currency and Exchanges Act, 1933 (Act No. 9 of 1933), as amended, as promulgated by Government Notice No. R.1111 of 1961-12-01 in respect of the money of:

**Mr Hongbing Zhang (Passport number RS024640 Kingdom of Lesotho)  
(hereinafter referred to as the Respondent)**

C/o Mr J Wu  
P O Box 28579  
Danhof  
9310

**Be pleased to take notice that:**

1. The Minister of Finance has, by virtue of the provisions of Regulation 22E delegated all the functions and/or powers conferred upon the Treasury by the provisions of the Exchange Control Regulations [with the exception of the functions and/or powers conferred upon the Treasury by Regulations 3(5) and (8), 20 and 22, but which exception does not include the functions and/or powers under Exchange Control Regulations 22A, 22B, 22C and 22D], and assigned the duties imposed thereunder on the Treasury, to, inter alia, the Governor or Deputy Governors of the South African Reserve Bank.
2. By virtue of the functions, powers and/or duties vested in me, in my capacity as a Deputy Governor of the South African Reserve Bank, in terms of the delegation and assignment of the functions, powers and/or duties referred to in 1 above, I hereby give notice of a decision to forfeit to the State the following money and I hereby declare and order forfeit to the State the following money, namely:
  - 2.1 the total balance of funds in the amount of R116 748-65, being capital standing to the credit of the Respondent in account number 62326486835 held with FirstRand Bank Limited, together with any interest thereon and/or accrual thereto.
3. The date upon which the money specified in 2 above is hereby forfeited to the State is the date upon which this Notice and order of Forfeiture is published in this Gazette.
4. The money specified in 2 above shall be disposed of by depositing it into the National Revenue Fund.
5. This Notice also constitutes a written order, as contemplated in Exchange Control Regulation 22B, in terms of which the money specified in 2 above is hereby forfeited to the State.
6. Signed at Pretoria on this 4 day of SEPT 2017.



**K Naidoo  
Deputy Governor  
South African Reserve Bank**

DEPARTMENT OF TRADE AND INDUSTRY  
NOTICE 749 OF 2017

INTERNATIONAL TRADE ADMINISTRATION COMMISSION

CUSTOMS TARIFF APPLICATIONS

LIST 11/2017

The International Trade Administration Commission (herein after referred to as ITAC or the Commission) has received the following applications concerning the Customs Tariff. Any objection to or comments on these representations should be submitted to the Chief Commissioner, ITAC, Private Bag X753, Pretoria, 0001. Attention is drawn to the fact that the rate of duty mentioned in these applications is that requested by the applicant and that the Commission may, depending on its findings, recommend a lower or higher rate of duty.

**CONFIDENTIAL INFORMATION**

*The submission of confidential information to the Commission in connection with customs tariff applications is governed by section 3 of the Tariff Investigations Regulations, which regulations can be found on ITAC's website at <http://www.itac.org.za/documents/R.397.pdf>. These regulations require that if any information is considered to be confidential, then a non-confidential version of the information must be submitted, simultaneously with the confidential version. In submitting a non-confidential version the regulations are strictly applicable and require parties to indicate:*

- ☐ *Each instance where confidential information has been omitted and the reasons for confidentiality;*
- ☐ *A summary of the confidential information which permits other interested parties a reasonable understanding of the substance of the confidential information; and*
- ☐ *In exceptional cases, where information is not susceptible to summary, reasons must be submitted to this effect.*

*This rule applies to all parties and to all correspondence with and submissions to the Commission, which unless clearly indicated to be confidential, will be made available to other interested parties.*

*The Commission will disregard any information indicated to be confidential that is not accompanied by a proper non-confidential summary or the aforementioned reasons. If a party considers that any document of another party, on which that party is submitting representations, does not comply with the above rules and that such deficiency affects that party's ability to make meaningful representations, the details of the deficiency and the reasons why that party's rights are so affected must be submitted to the commission in writing forthwith (and at the latest 14 days prior to the date on which that party's submission is due). Failure to do so timeously will seriously hamper the proper administration of the investigation, and such party will not be able to subsequently claim an inability to make meaningful representations on the basis of the failure of such other party to meet the requirements.*

**1. APPLICATION FOR THE CREATION OF A TEMPORARY REBATE PROVISION ON HOT ROLLED STEEL STRUCTURAL STEEL CLASSIFIABLE UNDER TARIFF SUBHEADING 7208.25 AND 7208.26.**

Rebate Item	Tariff Heading	Rebate code	Description	Extent of Rebate
460	7208.25	-	flat-rolled products of iron or non-alloy steel , in coils, not further worked than hot-rolled , pickled, of a thickness of 4.75 mm or more and a width exceeding 1 925 mm, <i>classifiable in tariff subheading 7208.25, in such quantities, at such times and subject to such conditions as the International Trade Administration Commission may allow by specific permit, provided the products are not available on the SACU market;</i>	Full duty
460	7208.26	-	<i>flat rolled products of iron or non-alloy steel, in coils, not further worked than hot-rolled, pickled of a thickness of 3 mm or more but less than 4.75 mm and a width exceeding 1 925 mm, classifiable in tariff subheading 7208.26, in such quantities, at such times and subject to such conditions as the International Trade Administration Commission may allow by specific permit, provided the products are not available on the SACU market.</i>	Full duty

**APPLICANT:**

Aveng Trident Steel, a division of Aveng Africa (Pty) Ltd  
P O BOX 124054  
ALRODE  
1451

**ENQUIRIES:** ITAC Ref: **03/2017**, Enquires: Nompumelelo Mahlangu/Nonhlanhla Khumalo/Pardon Hadzhi, Tel: 012 394 3595/3693/3634 or email: [nmahlangu@itac.org.za](mailto:nmahlangu@itac.org.za)/[nkhumalo@itac.org.za](mailto:nkhumalo@itac.org.za)/[phadzhi@itac.org.za](mailto:phadzhi@itac.org.za).

**REASONS FOR THE APPLICATION AS STATED BY THE APPLICANT:**

- There is no local manufacturer of the subject products in the SACU Region.
- In ITAC Report 524, It was resolved that the steel industry and/or its sub-sectors should work with ITAC in identifying policy space for tariff support for downstream steel industry. This includes the creation of additional rebate facilities where the raw material used or imported are not manufactured in South Africa.
- There is no alternative for users of the products concerned, other than to import and therefore levying of duties will have an unnecessary cost raising effect for downstream users.

**PUBLICATION PERIOD:**

Written representations must be made within four (4) weeks of the date of this notice.

**2. REDUCTION IN THE RATE OF DUTY ON:**

Canola/Rape seed classifiable under tariff subheading 1205.10 from 10 per cent *ad valorem* to free of duty, used for sowing purposes.

**APPLICANT:**

**Agricol (Pty) Ltd**  
37 Eagle Street  
BRACKENFELL  
7560

**Enquiries:** ITAC Ref: 06/2017, Enquiries: Ms A. Varachia and Ms K. Mzinjana Tel: (012) 394 3732/3664 or Email: [avarachia@itac.org.za](mailto:avarachia@itac.org.za) or [kmzinjana@itac.org.za](mailto:kmzinjana@itac.org.za)

**REASONS AS STATED BY THE APPLICANT:**

- a) With the introduction of high yielding hybrid varieties, the retention of seed by farmers has become less viable. This has prompted the importation of majority of the canola seed used by farmers for sowing purposes to grow canola supplied to oil processing facilities. The current customs duty thus increases the input costs of farmers.
- b) As canola competes directly with other crops such as wheat for arable land, the farmers will prefer to source a lower input crop with a higher return and thus other crop seeds are preferred. This of course does have an impact on the canola seeds crushing plants that must import the seed.
- c) The reduction in the rate of customs duty will allow for the importation of the seeds for sowing at a competitive price ensuring that the industry can grow and also supply the subject product at competitive prices which will also benefit and expand the canola oil industry.

**PUBLICATION PERIOD:**

Representation should be submitted within **four (4) weeks** of the date of this notice.

**3. CREATION OF A REBATE PROVISION FOR THE IMPORTATION OF I AND H SECTIONS, OF IRON OR NON-ALLOY STEEL, NOT FURTHER WORKED THAN HOT-ROLLED, HOT-DRAWN OR EXTRUDED OF A HEIGHT OF 530 MM OR MORE AND OF A HEIGHT AND WIDTH OF 300 MM X 300 MM OR MORE CLASSIFIABLE UNDER TARIFF HEADING 7216.32 AND 7216.33:**

Rebate Item	Tariff Heading	Rebate code	Description	Extent of Rebate
460	7616.32	-	I sections of iron or non-alloy steel not further worked than hot-rolled, hot-drawn or extruded, of a height of 530 mm or more, classifiable in tariff subheading 7216.32, in such quantities, at such times and subject to such conditions as the International Trade Administration Commission may allow by specific permit, provided the products are not available on the SACU market; and	Full duty



460	7216.33	-	H sections of iron or non-alloy steel not further worked than hot-rolled, hot-drawn or extruded, of a height and width of 300 mm X 300 mm or more, classifiable in tariff subheading 7216.33, in such quantities, at such times and subject to such conditions as the International Trade Administration Commission may allow by specific permit, provided the products are not available on the SACU Market.	Full duty
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**APPLICANT:**

International Trade Administration Commission of South Africa  
**Thedti** Campus (Building E, First Floor)  
 77 Meintjies Street  
 Sunnyside  
 Pretoria  
 0002

**Enquiries:** ITAC Ref: 12/2017, Enquires: Ms. Nonhlanhla Khumalo, Ms. Pateka Busika and / or Mr. Pardin Hadzhi, Tel: 012 394 3693/43595/43634 or alternatively e-mail [nkhumalo@itac.org.za](mailto:nkhumalo@itac.org.za)/[pbusika@itac.org.za](mailto:pbusika@itac.org.za)/[phadzhi@itac.org.za](mailto:phadzhi@itac.org.za)

**REASONS FOR THE APPLICATION:**

- There are no local manufacturers of the subject products in the SACU region; and
- The current duty has an unnecessary cost raising effect for the downstream industry.

**PUBLICATION PERIOD:**

Written representations must be made within four (4) weeks of the date of this notice.

**4. EXCLUSION OF ADULT DIAPERS UNDER REBATE ITEM 412.13 AND AMENDMENT OF REBATE ITEM 320.12 WHICH PROVIDES FOR THE DUTY FREE IMPORTATION OF RAW MATERIALS USED IN THE MANUFACTURING OF BABY DIAPERS TO ALSO INCLUDE ADULT DIAPERS**

**APPLICANT:**

**Validus Medical (Pty) Ltd**  
 23 Eaton Avenue  
 Bryanston  
 Johannesburg  
 2128

[ITAC reference: (02/2017); Enquiries: Sipho Tshabalala, E-mail: [stshabalala@itac.org.za](mailto:stshabalala@itac.org.za), Tel: (012) 394 3739]



**REASONS FOR THE APPLICATION AS SUBMITTED BY THE APPLICANT:**

- “*Validus mainly imports raw materials for purposes of manufacturing adult diapers*
- *Rebate item 412.13 of the Schedule 4 to the Customs and Excise Act provides for a full rebate of duty on imported adult diapers. However, there is no concomitant provision to rebate duty on the raw materials needed to manufacture these products (adult diapers)*

**PUBLICATION PERIOD:**

Representation should be submitted to ITAC within **four (4) weeks** of the date of this notice.

**5. INCREASE IN THE RATE OF DUTY ON:**

Coated paper and paper board classifiable under tariff subheading 4810.92.90, from free of duty to 5 per cent *ad valorem*.

**APPLICANT:**

**Mpact Operations (Pty) Ltd t/a Mpact Paper – Springs Mill**

82-84 Steel Road

New Era

Springs

1559

**Enquiries:** ITAC Ref: 03/2017, Enquiries: Ms. M Masithela and Mr. O Madito Tel: (012) 394 3682/3692 or Email: [mmasithela@itac.org.za](mailto:mmasithela@itac.org.za)/ [omadito@itac.org.za](mailto:omadito@itac.org.za)

**REASONS AS STATED BY THE APPLICANT:**

**The applicant submitted that the requested increase in the customs duty is needed to:**

- a) Stimulate further development of the SACU paper manufacturing sector and the associated industry/sector pipeline;
- b) Compensate industry for certain competitive disadvantages it experiences;
- c) Level the playing field vis-à-vis duties protection in the exporter countries by aligning the SACU import tariffs on subject product/s to levels that are justifiable and comparable to those in competing/similar economies;
- d) Provide a small but critically important “buffer” against increasingly rapid fluctuations of market conditions in the global economy; and foreign exchange fluctuations influencing the local economy; and
- e) Protect SACU producers’ capacity and market share in the domestic market to provide an effective and stable base market to support local manufacturing and substantial on-going investment to ensure industry sustainability.

**PUBLICATION PERIOD:**

Representation should be submitted within **four (4) weeks** of the date of this notice

## DEPARTMENT OF TRADE AND INDUSTRY

## NOTICE 750 OF 2017

STANDARDS ACT, 2008  
STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Board of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

## SECTION A: DRAFTS FOR COMMENTS

The following draft standards are hereby issued for public comments in compliance with the norm for the development of South Africa National standards in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title, scope and Purpose	Closing Date
SANS 651-2:2017 Ed 1	<i>Laundry detergents Part 2: Laundry detergent capsules for use in automatic domestic washing machines.</i> This standard specifies characteristics and requirements of laundry detergent capsules/pods intended for use in automatic washing machines in either hard or soft water for textiles made of cotton or of cotton-and synthetic fibre yarns. This standard also specifies the requirements for safe handling, storage and use of laundry detergents capsules/pods. It is the manufacturer's responsibility to ensure that all recommendations are carried out and to ensure that his/her product complies with all requirements in this standard.	2017-11-12
SANS 10320:2017 Ed 1	<i>Systematic evaluation of coal exploration results, inventory coal, coal resources and coal reserves.</i> Provides a detailed framework for reporting on coal resources and coal reserves for the purposes of the Securities Exchange and the National Coal Inventory.	2017-11-12
SANS 50242:2017 Ed 2	<i>Electric dishwashers for household use - Methods for measuring the performance EN modification.</i> Applies to electric dishwashers for household use that are supplied with hot and/or cold water.	2017-11-13
SANS 60669-1:2017 Ed 3	<i>Switches for household and similar fixed-electrical installations Part 1: General requirements.</i> Applies to manually operated general purpose switches, for a.c. only with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A, intended for household and similar fixed-electrical installations, either indoors or outdoors.	2017-11-13
SANS 62561-1:2017 Ed 2	<i>Lightning protection system components (LPSC) Part 1: Requirements for connection components.</i> Specifies the requirements and tests for metallic connection components that form part of a lightning protection system (LPS).	2017-11-12
SANS 62561-3:2017 Ed.2	<i>Lightning protection system components (LPSC) Part 3: Requirements for isolating spark gaps (ISG).</i> Specifies the requirements and tests for isolating spark gaps (ISG) for lightning protection systems.	2017-11-13
SANS 61084-2-2:2017 Ed 2	<i>Cable trunking systems and cable ducting systems for electrical installations - Part 2: Particular requirements - Cable trunking systems and cable ducting.</i> Specifies requirements and tests for cable trunking systems (CTS) and cable ducting	2017-11-13

	systems (CDS) intended for the accommodation, and where necessary for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical and/or communication systems installations. The maximum voltage of these installations is 1 000 V AC and 1 500 V DC.	
SANS 61084-2-1:2017 Ed 2	<i>Cable trunking systems and cable ducting systems for electrical installations - Part 2-1: Particular requirements - Cable trunking systems and cable ducting</i> specifies requirements and tests for cable trunking systems (CTS) and cable ducting systems (CDS) intended for the accommodation, and where necessary for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical and/or communication systems installations. The maximum voltage of these installations is 1 000 V AC and 1 500 V DC.	2017-11-13
SANS 61084-1:2017 Ed 2	<i>Cable trunking systems and cable ducting systems for electrical installations - Part 1: General requirements.</i> Specifies requirements and tests for cable trunking systems (CTS) and cable ducting systems (CDS) intended for the accommodation, and where necessary for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical and/or communication systems installations.	2017-11-13
SANS 62087-5:2017 Ed 1	<i>Audio, video and related equipment - Determination of power consumption - Part 5: Set top boxes (STB).</i> Specifies methods of measurement for the power consumption of set top boxes (STBs). It specifies the different modes of operation which are relevant for measuring power consumption.	2017-11-13

**SCHEDULE A.2: AMENDMENT OF EXISTING STANDARDS**

The following draft amendments are hereby issued for public comments in compliance with the norm for the development of South Africa National standard in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title, scope	Scope of amendment	Closing Date
SANS 10231:2017 Ed 4.1	Transport of dangerous goods by road - Operational requirements.	Amended to update referenced standards, to update and definition and renumber accordingly, to update the requirements for dangerous goods declaration, to include the "Waste manifest" as an alternative to "Waste Dangerous Goods Declaration (WDGD)", and to include the telephone number of the waste management facility in the WDGD	2017-11-12

**SCHEDULE A.3: WITHDRAWAL OF SOUTH AFRICAN NATIONAL STANDARDS**

In terms of section 24(1)(C) of the Standards Act, the following published standards are issued for comments with regard to the intention by the SABS to withdrawn them.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date

**SCHEDULE A.5: WITHDRAWAL OF INFORMATIVE AND NORMATIVE DOCUMENTS**

In terms of section 24(5) of the Standards Act, the following documents are being considered for withdrawal.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date

## SECTION B: ISSUING OF SOUTH AFRICAN NATIONAL STANDARDS

### SCHEDULE B.1: NEW STANDARDS

The following standards have been issued in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 1756:2017 Ed 1	<i>Packaging, paper potato bag.</i> Covers paper bags that are intended for use primarily for the packaging of potatoes that are over five kilograms.
SANS 1839:2017 Ed 2	<i>Pre-diluted aqueous ethylene glycol base (40 % by volume, minimum) engine cooling system protector</i> . Covers the requirements for a pre-diluted aqueous ethylene glycol base (40 % by volume, minimum) engine cooling system protector.
SANS 7215:2017/ ISO 7215:2015 Ed.1	<i>Iron ores for blast furnace feedstocks - Determination of the reducibility by the final degree of reduction index.</i> Specifies a method to provide a relative measure for evaluating the extent to which oxygen can be removed from iron ores when reduced under conditions resembling those prevailing in the reduction zone of a blast furnace.
SANS 17034:2017 ISO 17034:2016 Ed 1	<i>General requirements for the competence of reference material producers.</i> Specifies general requirements for the competence and consistent operation of reference material producers.
SANS 60730-2-5:2017 Ed 2	<i>Automatic electrical controls - Parts 2-5: Particular requirements for automatic electrical burner control systems.</i> Applies to automatic electrical burner control systems for the automatic control of burners for oil, gas, coal or other combustibles for household and similar use including heating, air conditioning and similar use.
SANS 61058-1:2017 Ed 4	<i>Switches for appliances Part 1: General requirements.</i> Applies to switches intended to control electrical appliances and other equipment for household or similar purpose with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A.
SATR 61869-100:2017 Ed 1	<i>Instrument transformers - Part100: Guidance for application of current transformers in power system protection.</i> Applies to inductive protective current transformers meeting the requirements of IEC 61869-2 (published in South Africa as an identical adoption under the designation SANS 61869-2).
SANS 60335-2-72:2017 Ed 4	<i>Household and similar electrical appliances - Safety Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use.</i> Specifies the safety of powered ride-on and powered walkbehind machines intended for commercial indoor or outdoor use for the following applications: sweeping, scrubbing, wet or dry pick-up, polishing, application of wax, sealing products and powder based detergents, shampooing of floors with an artificial surface.
SANS 60335-2-72:2017/ IEC 60335-2-72:2016 Ed 4	<i>Household and similar electrical appliances - Safety Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use.</i> Specifies the safety of powered ride-on and powered walkbehind machines intended for commercial indoor or outdoor use for the following applications: sweeping, scrubbing, wet or dry pick-up, polishing, application of wax, sealing products and powder based detergents, shampooing of floors with an artificial surface.
SATS 60076-20:2017/ IEC TS 60076-20:2017 Ed 1	<i>Power transformers - Part 20: Energy efficiency.</i> Applies to transformers in the scope of SANS 60076-1.

### SCHEDULE B.2: AMENDMENTED STANDARDS

The following standards have been amended in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 1550-3:2017 Ed 2.2	<i>Motor vehicle tyres and rims - Dimensions and loads Part 3: Commercial vehicle tyres. Consolidated edition incorporating amendment No. 2.</i> Amended to move reference to legislation to the foreword, and to update referenced standards.
SANS 1645:2017 Ed 1.2	<i>Portable insulated domestic food containers. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the note to the scope, and to delete the footnote to the subclause on thermal and environmental shock.

Standard No. and year	Title, scope and purport
SANS 1828:2017 Ed 2.1	<i>Cleaning chemicals for use in the food industry. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, the subclause on suitability for purpose and pH value, and the clause on assessment of compliance with this standard, to add a note on assessment of quality system, and to update the subclause on marking and labelling.
SANS 61386-1:2017 Ed 2.1	<i>Conduit systems for cable management Part 1: General requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update the referenced standards, definitions, requirements on marking and documentation, mechanical properties, electrical properties and electromagnetic compatibility, and to add an annex on additional test requirements for conduit systems already complying with IEC 61386-1:2008.

**SCHEDULE B.3: WITHDRAWN STANDARDS**

In terms of section 24(1)(C) of the Standards Act, the following standards have been withdrawn.

Standard No. and year	Title

**SCHEDULE B.4: ESTABLISHMENT OR DISBANDMENT OF TECHNICAL COMMITTEES**

In terms of section 4(2) (l) the SABS has established/disbanded the following technical committees:

Technical Committee No.:	Title	Scope

**SCHEDULE B5: GENERAL NOTICE**

Standard No:	Title	Reason

If your organization is interested in participating in these committees, please send an e-mail to [Dsscomments@sabs.co.za](mailto:Dsscomments@sabs.co.za) for more information.

**SCHEDULE B6: ADDRESSES OF SABS OFFICES**

The addresses of offices of the South African Bureau of Standards where copies of standards mentioned in this notice can be obtained, are as follows:

1. Gauteng head office, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. Western Cape Regional Office, SABS, Liesbeek Park Way, Rosebank, PO Box 615, Rondebosch 7701.
3. Eastern Cape Regional Office, SABS, 30 Kipling Road, cor. Diaz and Kipling Roads, Port Elizabeth, PO Box 3013, North End 6056.
4. KwaZulu-Natal Regional Office, SABS, 15 Garth Road, Waterfall Park, Durban, PO Box 30087, Mayville 4058.

## DEPARTMENT OF TRADE AND INDUSTRY

## NOTICE 751 OF 2017

STANDARDS ACT, 2008  
STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Board of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

## SECTION A: DRAFTS FOR COMMENTS

The following draft standards are hereby issued for public comments in compliance with the norm for the development of South Africa National standards in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title, scope and Purpose	Closing Date
SANS 4833-1:2017 Ed 1	<i>Microbiology of the food chain -Horizontal method for the enumeration of microorganisms Part 1: Colony count at 30 °C by the pour plate technique.</i> Specifies a horizontal method for the enumeration of microorganisms that are able to grow and form colonies in a solid medium after aerobic incubation at 30 deg C; and is applicable to food and feed products, and environmental samples of food and feed production and handling	2017-11-06
SANS 4833-2:2017 Ed 1	<i>Microbiology of the food chain - Horizontal method for the enumeration of microorganisms Part 2: Colony count at 30 degrees C by the surface plating technique.</i> Specifies a horizontal method for the enumeration of microorganisms that are able to grow and form colonies on the surface of a solid medium after anaerobic incubation at 30 deg C; and is applicable to food and feed products, and environmental samples of food and feed production and food handling	2017-11-07
SANS 555-3:2017 Ed 1	<i>Fluids for electrotechnical applications Part 3: Reclaimed inhibited mineral oil for transformers and switchgear.</i> Specifies requirements and test methods for recycled mineral insulating oils for use in transformers, switchgear, and similar electrical equipment in which oil is required for insulation and heat transfer. Applies to oils with and without additives, and applies only to recycled inhibited mineral insulating oils.	2017-11-05
SANS 10227:2017 Ed 3	<i>Criteria for the accreditation of approved inspection authorities performing inspection in terms of the Pressure Equipment Regulations.</i> Covers the specific criteria for the accreditation of approved inspection authorities performing inspection on pressure equipment in terms of the relevant national legislation (see foreword).	2017-10-23
SANS 10232-1:2017 Ed 4	<i>Transport of dangerous goods - Emergency information systems Part 1: Emergency information system for road transport.</i> Covers requirements for emergency information systems, such as requirements for hazard class diamonds, placards and emergency information documents. Is intended to assist emergency services response teams in the mitigation of an	2017-10-30

	incident that involves dangerous goods.	
SANS 20118:2017 Ed 1	<i>Uniform technical prescriptions concerning the burning behaviour and/or the capability to repel fuel or lubricant of materials used in the construction of certain categories of motor vehicles.</i> This Regulation applies to the burning behaviour (ignitibility, burning rate and melting behaviour) and to the capability to repel fuel or lubricants of materials used in vehicles of categories M3, Classes II and III. Type approvals are granted according to:	2017-10-25
SANS 302217-2-2:2017 Ed 3	<i>Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas Part 2-2: Digital systems operating in frequency bands where frequency co-ordination is applied; Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive.</i> Specifies the essential requirements for point-to-point Digital Fixed Radio Systems (DFRS) operating in frequency division full duplex (FDD) in frequency bands, where co-ordinated link-by-link frequency planning is applied.	2017-10-25
SANS 50131-3:2017 Ed.1	<i>Ladders. User instructions.</i> Advises on the safe use of ladders covered by the scope of EN 131-1 and fulfilling the requirements of EN 131-1, EN 131-2 and, for single or multiple hinged-joint ladders, EN 131-4 used as standing or leaning ladders.	2017-10-24
SANS 50131-6:2017 Ed 1	<i>Ladders - Part 6: Telescopic ladders.</i> specifies the general design features, requirements and test methods and defines terms for leaning and standing telescopic ladders.	2017-10-11
SANS 50131-7:2017 Ed 1	<i>Ladders - Part 7: Mobile ladders with platform.</i> Defines terms and specifies the general design characteristics of mobile ladders with platform.	2017-10-11
SANS 8414-1:2017 Ed 1	<i>Fire performance of external cladding systems - Test method for non-loadbearing external cladding systems applied to the masonry face of a building.</i> Provides a test method for determining the fire performance characteristics of non-loadbearing external cladding systems, rainscreen overcladding systems and external wall insulation systems when applied to the face of a building and exposed to an external fire under controlled conditions.	2017-10-09
SANS 8414-2:2017 Ed 1	<i>Fire performance of external cladding systems - Test method for non-loadbearing external cladding systems fixed to and supported by a structural steel frame..</i> Specifies test method for determining the fire performance characteristics of non-loadbearing external cladding systems.	2017-10-09
SANS 3001-CO1-7:2017 Ed 1	<i>Civil engineering test methods Part CO1-7: Density of compacted freshly mixed concrete.</i> Describes a method for determining the density of compacted fresh concrete.	2017-11-07
SANS 3001-CO2-9:2017 Ed 1	<i>Civil engineering test methods Part CO2-9: Mortar tests - Compressive strength of mortar.</i> Specifies a method of determining the compressive strength of freshly mixed	2017-11-07



	<i>mortar and cast mortar Specimens prepared either on site from mortar actually being used in practice or from mortar prepared in the laboratory with materials and in the proportions intended to be used.</i>	
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**SCHEDULE A.2: AMENDMENT OF EXISTING STANDARDS**

The following draft amendments are hereby issued for public comments in compliance with the norm for the development of South Africa National standard in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title, scope	Scope of amendment	Closing Date
SANS 1376-2:2017 Ed1.5	<i>Lights for motor vehicles Part 2: Headlights.</i>	Amended to update size of the symbols required under marking.	2017-11-06
SANS 10232-4:2017 Ed 1.3	<i>Transport of dangerous goods - Emergency information systems Part 4: Transport emergency card.</i>	Amended to update referenced standards and the emergency response guide, and to remove the bibliography.	2017-11-05
SANS 2001-CS1:2017 Ed 1.2	<i>Construction works Part CS1: Structural steelwork.</i>	Amended to update referenced standards.	2017-11-14

**SCHEDULE A.3: WITHDRAWAL OF SOUTH AFRICAN NATIONAL STANDARDS**

In terms of section 24(1)(C) of the Standards Act, the following published standards are issued for comments with regard to the intention by the SABS to withdrawn them.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date

**SCHEDULE A.5: WITHDRAWAL OF INFORMATIVE AND NORMATIVE DOCUMENTS**

In terms of section 24(5) of the Standards Act, the following documents are being considered for withdrawal.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date

**SECTION B: ISSUING OF SOUTH AFRICAN NATIONAL STANDARDS****SCHEDULE B.1: NEW STANDARDS**

The following standards have been issued in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 1731:2017 Ed 1	<i>Polyethylene storage tanks for water and chemicals. Specifies requirements for the design and manufacture of polyethylene storage tanks, 2000 litres and greater that are rotationally moulded in one-piece seamless construction.</i>
SANS 1756:2017 Ed.1	<i>Packaging, paper potato bag. Covers paper bags that are intended for use primarily for the packaging of potatoes that are over five kilograms.</i>
SANS 1934:2017 Ed 2	<i>Live working - Selection, application and maintenance of portable equipment for earthing or earthing and short-circuiting on medium-voltage and high-voltage electrical systems. Applies to portable earthing equipment, with or without matching connection points, for temporary earthing and short-circuiting of electrically isolated or de-energized a.c. installations of medium or high voltage.</i>
SANS 8968-4:2017 E,d 2	<i>Milk and milk products -- Determination of nitrogen content -- Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method). Specifies a method for the direct and indirect determination of the protein nitrogen content of liquid, whole or skimmed milk.</i>
SANS 15693-3:2017 Ed 2	<i>Identification cards - Contactless integrated circuit(s) cards - Vicinity cards Part 3: Anticollision and transmission protocol. Specifies protocol and commands, other parameters required to initialize communications between a vicinity integrated circuit card and a vicinity coupling device, methods to detect and communicate with one card among several cards ("anticollision"), optional means to ease and speed up the selection of one among several cards based on application criteria.</i>



Standard No. and year	Title, scope and purport
SATS 60076-20:2017 Ed 1	<i>Power transformers - Part 20: Energy efficiency.</i> Applies to transformers in the scope of SANS 60076-1.
SATR 61869-100:2017 Ed 1	<i>Instrument transformers - Part 100: Guidance for application of current transformers in power system protection.</i> Applies to inductive protective current transformers meeting the requirements of IEC 61869-2 (published in South Africa as an identical adoption under the designation SANS 61869-2).
SANS 60335-2-72:2017 Ed 4	<i>Household and similar electrical appliances - Safety Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use.</i> Specifies the safety of powered ride-on and powered walkbehind machines intended for commercial indoor or outdoor use for the following applications: sweeping, scrubbing, wet or dry pick-up, polishing, application of wax, sealing products and powder based detergents, shampooing of floors with an artificial surface.

## SCHEDULE B.2: AMENDMENTED STANDARDS

The following standards have been amended in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 1550-3:2017 E.d 2.2	<i>Motor vehicle tyres and rims - Dimensions and loads Part 3: Commercial vehicle tyres. Consolidated edition incorporating amendment No. 2.</i> Amended to move reference to legislation to the foreword, and to update referenced standards.
SANS 1645:2017 E,d 1.2	<i>Portable insulated domestic food containers. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the note to the scope, and to delete the footnote to the subclause on thermal and environmental shock.
SANS 1828:2017 E,d 2.1	<i>Cleaning chemicals for use in the food industry. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, the subclause on suitability for purpose and pH value, and the clause on assessment of compliance with this standard, to add a note on assessment of quality system, and to update the subclause on marking and labelling.

## SCHEDULE B.3: WITHDRAWN STANDARDS

In terms of section 24(1)(C) of the Standards Act, the following standards have been withdrawn.

Standard No. and year	Title
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## SCHEDULE B.4: ESTABLISHMENT OR DISBANDMENT OF TECHNICAL COMMITTEES

In terms of section 4(2) (l) the SABS has established/disbanded the following technical committees:

Technical Committee No.:	Title	Scope

## SCHEDULE B5: GENERAL NOTICE

Standard No:	Title	Reason
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If your organization is interested in participating in these committees, please send an e-mail to [Dsscomments@sabs.co.za](mailto:Dsscomments@sabs.co.za) for more information.

## SCHEDULE B6: ADDRESSES OF SABS OFFICES

The addresses of offices of the South African Bureau of Standards where copies of standards mentioned in this notice can be obtained, are as follows:

1. Gauteng head office, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. Western Cape Regional Office, SABS, Liesbeek Park Way, Rosebank, PO Box 615, Rondebosch 7701.
3. Eastern Cape Regional Office, SABS, 30 Kipling Road, cor. Diaz and Kipling Roads, Port Elizabeth, PO Box 3013, North End 6056.
4. KwaZulu-Natal Regional Office, SABS, 15 Garth Road, Waterfall Park, Durban, PO Box 30087, Mayville 4058.

**DEPARTMENT OF TRANSPORT****NOTICE 752 OF 2017****INTERNATIONAL AIR SERVICE ACT, (ACT NO.60 OF 1993)  
GRANT /AMENDMENT OF INTERNATIONAL AIR SERVICE LICENSE**

Pursuant to the provisions of section 17 (12) of Act No.60 of 1993 and Regulation 15 (1) and 15 (2) of the International Air Regulations, 1994, it is hereby notified for general information that the applications, detail of which appear in the Schedules hereto, will be considered by the International Air Services Council (Council) representation in accordance with section 16(3) of the Act No. 60 of 1993 and regulation 25(1) of International Air Services Regulation, 1994, against or in favour of an application, should reach the Chairman of the International Air Services Council at Department of Transport, Private Bag X 193, Pretoria, 0001, within 28 days of the application hereof. It must be stated whether the party or parties making such representation is / are prepared to be represent or represented at the possible hearing of the application.

**APPENDIX I**

(A) Full name, surname and trade name of the applicant. (B) Full business or residential address of the applicant. (C) Class of licence applied for. (D) Type of International Air Service to which application pertains. (E) Category or kind of aircraft to which application pertains. (F) Airport from and the airport to which flights will be undertaken. (G) Area to be served. (H) Frequency of flight.

(A) **Safair Operations (Pty) Ltd; Safair / Flysafair.** (B) Northern Perimeter Road, OR Tambo International Airport, Bonaero Park, 1619. (C) Class I. (D) Type S1. (E) Category A1. (F) OR Tambo International Airport. (G) Entebe (Uganda). (H) From OR Tambo In'l Airport: Uganda (Entebe) Five (5) return flights per week.

**APPENDIX II**

(A) Full name, surname and trade name of the applicant. (B) Full business or residential address of the applicant. (C) Class of licence applied for. (D) Type of International Air Service to which application pertains. (E) Category or kind of aircraft to which application pertains. (F) Airport from and the airport to which flights will be undertaken. (G) Area to be served. (H) Frequency of flight.

(A) **SA Airlink (Pty) Ltd; Airlink.** (B) Airlink Building, Greenhill Office Park, Modderfontein. (C) Class I; I/S073. (D) Type S1. (E) Category A1. (F) OR Tambo International Airport. (G) & (H) **Adding the following.**

State	Destination	Frequencies
Comoros	Moroni	One (1) return flight per week.
Republic of Benin	Contonou	Seven return flights per week.

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**BOARD NOTICES • RAADSKENNISGEWINGS**

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**BOARD NOTICE 161 OF 2017****AGRICULTURAL PRODUCE AGENTS ACT, 1992****(ACT NO 12 OF 1992)****UNCLAIMED MONIES PAYABLE TO PRINCIPALS OF FRESH PRODUCE AGENTS**

In terms of Section 21(1) of the Agricultural Produce Agents Act, 1992 (Act No.12 of 1992) notice is hereby given of unclaimed monies specified in the Schedule, that have been paid to the Registrar of the Agricultural Produce Agents Council in terms of Section 21(2) of the Act.

Any person who is of the opinion that he/she is entitled to an indicated amount shall claim it within 90 days from the date of publication of this notice by means of a statement, duly sworn and confirmed to the Registrar, Agricultural Produce Agents Council, Suit 69, Private Bag X9, East Rand, 1462, and in which the following particulars are furnished:

- a) The full name and address of claimant;
- b) The names of the fresh produce agent concerned;
- c) The amount claimed and quantity of produce for which is claimed; and
- d) The date on which and the address at which the produce concerned were delivered.



L Pretorius

**REGISTRAR: AGRICULTURAL PRODUCE AGENTS COUNCIL**





## Agricultural Produce Agents Council

## Unclaimed monies details list

Reporting month:  
Period reflected:

August 2017  
2017-04-01 to 2017-08-31

Agency	Producer (Surname and Initials)	Sum of Amount deposited
<b>Boland Market Agents</b>	J.Samuels	R 84,483.45
<b>Boland Market Agents Total</b>		<b>R 84,483.45</b>
<b>Botha Roodt Johannesburg Market Agents</b>	Mahlane MM	R 487.09
<b>Botha Roodt Johannesburg Market Agents</b>	Mkhululi	R 435.39
<b>Botha Roodt Johannesburg Market Agents</b>	Matjela E.S	R 628.99
<b>Botha Roodt Johannesburg Market Agents</b>	Mabunda M.R	R 45.04
<b>Botha Roodt Johannesburg Market Agents</b>	Seroba L.I	R 240.67
<b>Botha Roodt Johannesburg Market Agents</b>	Matjiela E,S	R 737.49
<b>Botha Roodt Johannesburg Market Agents</b>	Kunayi K.J	R 820.24
<b>Botha Roodt Johannesburg Market Agents</b>	Mathapo H	R 1,017.24
<b>Botha Roodt Johannesburg Market Agents</b>	Agricoool Fresh Produce	R 357.96
<b>Botha Roodt Johannesburg Market Agents</b>	Mashuku AT	R 139.97
<b>Botha Roodt Johannesburg Market Agents Total</b>		<b>R 4,910.08</b>
<b>CL de Villiers Market Agents</b>	Aloe Mpilo cc	R 363.39
<b>CL de Villiers Market Agents Total</b>		<b>R 363.39</b>
<b>Dapper Market Agency</b>	Nenzhelele AJ	R 120.65
<b>Dapper Market Agency</b>	Mtome Esrom Sekhodiane	R 826.70
<b>Dapper Market Agency Total</b>		<b>R 947.35</b>
<b>Egoly Market Agency</b>	Food Forest Garden	R 3,135.63
<b>Egoly Market Agency</b>	Motopi	R 1,645.70
<b>Egoly Market Agency</b>	Makhubele.G	R 312.36
<b>Egoly Market Agency Total</b>		<b>R 5,093.69</b>
<b>Exec-U-Fruit Market Agency</b>	Machete MJ	R 750.72
<b>Exec-U-Fruit Market Agency</b>	Greentops Fruit & Veg	R 2,790.17
<b>Exec-U-Fruit Market Agency</b>	Sibara MJ	R 367.66
<b>Exec-U-Fruit Market Agency</b>	Tsebanang Project	R 498.92
<b>Exec-U-Fruit Market Agency</b>	MODIBA M	R 972.12
<b>Exec-U-Fruit Market Agency</b>	Gumbu	R 1,447.03
<b>Exec-U-Fruit Market Agency</b>	Hutamso s,l	R 1,029.80
<b>Exec-U-Fruit Market Agency</b>	Tshiboho U,O	R 948.81
<b>Exec-U-Fruit Market Agency</b>	Mulea M	R 269.96
<b>Exec-U-Fruit Market Agency</b>	Madzivha A.C	R 152.60
<b>Exec-U-Fruit Market Agency</b>	Lishivha e.m	R 1,295.20
<b>Exec-U-Fruit Market Agency</b>	Nenzhelele N,R	R 135.90
<b>Exec-U-Fruit Market Agency</b>	Sibara A.V	R 250.00
<b>Exec-U-Fruit Market Agency</b>	Mabetha J	R 316.30
<b>Exec-U-Fruit Market Agency</b>	Mbedzi T.S	R 329.08
<b>Exec-U-Fruit Market Agency</b>	Ntshuzekani CBO	R 625.88
<b>Exec-U-Fruit Market Agency</b>	Rama N	R 1,786.89
<b>Exec-U-Fruit Market Agency</b>	Shongani E.M	R 210.16
<b>Exec-U-Fruit Market Agency</b>	MALULEKE G.J	R 899.59
<b>Exec-U-Fruit Market Agency</b>	Mphawana A . S	R 467.40
<b>Exec-U-Fruit Market Agency</b>	Magondo M	R 238.41
<b>Exec-U-Fruit Market Agency</b>	Petit Boerdery	R 1,286.25
<b>Exec-U-Fruit Market Agency</b>	SIBARA T.H	R 15.04
<b>Exec-U-Fruit Market Agency</b>	Mbilinganyo M	R 536.26
<b>Exec-U-Fruit Market Agency</b>	moiba M	R 2,245.26
<b>Exec-U-Fruit Market Agency</b>	NETSHIPALE J.L	R 366.87
<b>Exec-U-Fruit Market Agency</b>	MALULEKHE G.J	R 195.01
<b>Exec-U-Fruit Market Agency</b>	Masilane L	R 800.92
<b>Exec-U-Fruit Market Agency</b>	Mbedzi T.G	R 136.02
<b>Exec-U-Fruit Market Agency</b>	Dzwerani Primary	R 826.52
<b>Exec-U-Fruit Market Agency</b>	Radzilani M.A	R 208.65
<b>Exec-U-Fruit Market Agency</b>	Mohale David	R 105.27
<b>Exec-U-Fruit Market Agency</b>	Netshitvhadulu N.j	R 854.53
<b>Exec-U-Fruit Market Agency</b>	Remotse Fruit & Veg	R 167.25



Exec-U-Fruit Market Agency	Saratoga Fruitr Estate	R	15,950.55
Exec-U-Fruit Market Agency	Thomani L	R	150.33
Exec-U-Fruit Market Agency	Pick n Pay	R	3,364.69
Exec-U-Fruit Market Agency	Hlongwani S.A	R	81.35
Exec-U-Fruit Market Agency	Mvananlo M.A	R	32.27
Exec-U-Fruit Market Agency	Masinamela m.d	R	435.56
Exec-U-Fruit Market Agency Total		<b>R</b>	<b>43,541.20</b>
Farmers Trust Market Agents	van Heerden F	R	649.22
Farmers Trust Market Agents	Mogofe S	R	515.85
Farmers Trust Market Agents	Mgofe S	R	459.51
Farmers Trust Market Agents	Mgofe A	R	538.92
Farmers Trust Market Agents	MALATJIE A	R	330.89
Farmers Trust Market Agents	Papenfus P	R	315.91
Farmers Trust Market Agents	Nghanyama L	R	466.00
Farmers Trust Market Agents Total		<b>R</b>	<b>3,276.30</b>
Garfield Market Agency	Kriel PJ	R	101.29
Garfield Market Agency	Caleb Farm	R	248.96
Garfield Market Agency	Betzen	R	91.02
Garfield Market Agency Total		<b>R</b>	<b>441.27</b>
Gouws & Co Market Agency	Meiring C	R	1,300.00
Gouws & Co Market Agency Total		<b>R</b>	<b>1,300.00</b>
Marco Market Agency	Muvhali TS	R	56.97
Marco Market Agency	Sibopetse MA	R	2,410.90
Marco Market Agency	Jeleni B	R	1,056.98
Marco Market Agency	Mudau N	R	100.91
Marco Market Agency	Mulondo H.D	R	40.67
Marco Market Agency	Mulondo HD	R	1,281.35
Marco Market Agency	King Fresh Wholesalers	R	32.00
Marco Market Agency	Mphepu M	R	355.79
Marco Market Agency	Sibara G	R	193.99
Marco Market Agency	Secrabje Verpakking	R	320.34
Marco Market Agency	Phasha MS	R	60.08
Marco Market Agency	Red Bros	R	333.09
Marco Market Agency Total		<b>R</b>	<b>6,243.07</b>
Metro Market Agency	Rej Batch 31.3	R	37.87
Metro Market Agency	Omswaai Dupliseering	R	5,875.27
Metro Market Agency	Rathogwa M.R	R	600.10
Metro Market Agency	Muravaha Regst	R	879.53
Metro Market Agency	Senyola Rej 02.07	R	610.81
Metro Market Agency	Famous Fresh	R	3,939.37
Metro Market Agency	Happy VALLEY	R	1,484.21
Metro Market Agency	Tumelo	R	4,360.17
Metro Market Agency	Mugodo N.E	R	346.03
Metro Market Agency	Dwerani Primary	R	1,830.50
Metro Market Agency	Gabu Makhubu	R	231.48
Metro Market Agency	Eden Green	R	138.37
Metro Market Agency	Malatjie	R	166.76
Metro Market Agency	Nefolovhodwe M.R	R	127.48
Metro Market Agency	Ramudzuli N.C	R	267.48
Metro Market Agency	Ravele	R	28.66
Metro Market Agency Total		<b>R</b>	<b>20,924.09</b>
Noordvaal Market Agency	4 Wters Projects	R	5,811.87
Noordvaal Market Agency	Titos farms	R	501.96
Noordvaal Market Agency	JCB Works	R	979.71
Noordvaal Market Agency	Ramphekwa K.D	R	161.21
Noordvaal Market Agency	LJ de Jager	R	8,598.74
Noordvaal Market Agency	Relegings LLK	R	16,556.36
Noordvaal Market Agency	Van Zyl Boerdery	R	108.01
Noordvaal Market Agency	Emlangeni Trust	R	16.29
Noordvaal Market Agency	J.M.Boerdery (CVO SKOOL)	R	1,568.02
Noordvaal Market Agency	De Winnaar H.P	R	577.97
Noordvaal Market Agency	Matala and Maad	R	128.72
Noordvaal Market Agency	Maveggie Dot Co	R	282.11
Noordvaal Market Agency	Sneyber Fresh Produce	R	3,681.28
Noordvaal Market Agency	Goslame Agricul	R	742.87
Noordvaal Market Agency	Bonner B	R	520.85
Noordvaal Market Agency	Oxi	R	4,118.81

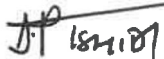


Noordvaal Market Agency	Smith H.F.Boerdery	R	133.92
Noordvaal Market Agency	Almenhof Boerdery	R	1,231.94
Noordvaal Market Agency	CO Farming	R	1,468.02
<b>Noordvaal Market Agency Total</b>		<b>R</b>	<b>47,188.66</b>
Pula Nala Market Agency	Matjena A	R	18.14
Pula Nala Market Agency	Maxuma s.l	R	198.66
<b>Pula Nala Market Agency Total</b>		<b>R</b>	<b>216.80</b>
Rhodas Market Agency	Morester Boerdery	R	844.12
Rhodas Market Agency	One Juice	R	153.44
<b>Rhodas Market Agency Total</b>		<b>R</b>	<b>997.56</b>
RSA Johannesburg Market Agency	Manala A.P	R	2.78
RSA Johannesburg Market Agency	Ramudzuli A.G	R	40.79
RSA Johannesburg Market Agency	Ntakwana P.R	R	15.39
RSA Johannesburg Market Agency	Belegging Sir	R	196.59
RSA Johannesburg Market Agency	Shihlomule E.T	R	17.12
RSA Johannesburg Market Agency	Aldoph Xirilel	R	54.39
RSA Johannesburg Market Agency	Maake M.V	R	308.68
RSA Johannesburg Market Agency	Modise V	R	194.93
RSA Johannesburg Market Agency	Ndou T.P	R	831.01
RSA Johannesburg Market Agency	Makushu K	R	121.00
RSA Johannesburg Market Agency	MaribengN.A	R	44.06
<b>RSA Johannesburg Market Agency Total</b>		<b>R</b>	<b>1,826.74</b>
RSA TShwane Market Agency	Slim Jan Boerdery	R	1,774.66
<b>RSA TShwane Market Agency Total</b>		<b>R</b>	<b>1,774.66</b>
Subtropico Johhannesburg Market Agency	Help Boerdery	R	480.63
Subtropico Johhannesburg Market Agency	Rakgale Floyd	R	67.73
Subtropico Johhannesburg Market Agency	Shinangule Rudolf	R	58.12
Subtropico Johhannesburg Market Agency	Van Dyk Boerdery	R	951.19
Subtropico Johhannesburg Market Agency	Rampedi R.L	R	431.29
Subtropico Johhannesburg Market Agency	Garden Architects	R	355.89
Subtropico Johhannesburg Market Agency	Bezuidenhout P.J	R	1,818.00
Subtropico Johhannesburg Market Agency	Mathebula J.H	R	142.60
Subtropico Johhannesburg Market Agency	Wilke Farms V/T	R	2,063.55
<b>Subtropico Johhannesburg Market Agency Total</b>		<b>R</b>	<b>6,369.00</b>
Target Market Agency	Kwinda T	R	846.45
Target Market Agency	Sitimil Lemon Farm	R	828.02
Target Market Agency	Scarts Broedersbroer	R	232.30
Target Market Agency	Masilans J.N	R	266.94
Target Market Agency	Mabunda Lawrance	R	547.68
Target Market Agency	Melrose Stores	R	148.70
Target Market Agency	Murray Steven	R	371.65
Target Market Agency	Bakgat Farm	R	7.50
Target Market Agency	Baloyi E.M.	R	1,061.94
Target Market Agency	V Rone Nurseries	R	443.17
Target Market Agency	Mashila D.E	R	483.27
Target Market Agency	Nale General Farming	R	207.85
Target Market Agency	Masango Matsadi	R	229.85
Target Market Agency	Masia R.P	R	228.79
Target Market Agency	Ngwanetsi Farming	R	828.25
Target Market Agency	Unknown Farmers	R	15,952.89
<b>Target Market Agency Total</b>		<b>R</b>	<b>22,685.25</b>
Tshwane Green Market Agency	Godas	R	108.05
<b>Tshwane Green Market Agency Total</b>		<b>R</b>	<b>108.05</b>
Wenpro Kzn Market Agency	Embo	R	72.31
Wenpro Kzn Market Agency	Barleda	R	627.65
Wenpro Kzn Market Agency	Khoza	R	353.25
<b>Wenpro Kzn Market Agency Total</b>		<b>R</b>	<b>1,053.21</b>
<b>Grand Total</b>		<b>R</b>	<b>253,743.82</b>

**BOARD NOTICE 162 OF 2017****FINANCIAL MARKETS ACT, 2012****AMENDMENTS TO THE JSE INTEREST RATE AND CURRENCY DERIVATIVES  
RULES AND DIRECTIVES - STRATE'S DIS (DEBT INSTRUMENT  
SOLUTION)**

I, Dube Phineas Tshidi, Registrar of Securities Services, hereby give notice under section 71(3) (c) (ii) of the Financial Markets Act, 2012 (Act No. 19 of 2012) that the amendments to the JSE Interest Rate and Currency Derivatives Rules and Directives have been approved. Please be advised that the rules are available on the official website of the Financial Services Board ([www.fsb.co.za](http://www.fsb.co.za)) and that of the exchange ([www.jse.co.za](http://www.jse.co.za)).

The amendments come into operation on 26 September 2017.



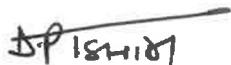
**D P TSHIDI**

**REGISTRAR OF SECURITIES SERVICES**

**BOARD NOTICE 163 OF 2017****NOTICE 54 OF 2017****FINANCIAL SERVICES BOARD****FINANCIAL MARKETS ACT, 2012****AMENDMENTS TO STRATE RULES – DIS (DEBT INSTRUMENT SOLUTION)**

I, Dube Phineas Tshidi, Registrar of Securities Services, hereby give notice under section 71(3) (c) (ii) of the Financial Markets Act, 2012 (Act No. 19 of 2012) that the amendments to Strate Rules have been approved. Please be advised that the rules are available on the official website of the Financial Services Board ([www.fsb.co.za](http://www.fsb.co.za)) and that of the central securities depository ([www.strate.co.za](http://www.strate.co.za)).

The amended rules come into operation on 26 September 2017.



**D P TSHIDI**

**REGISTRAR OF SECURITIES SERVICES**







# **WARNING!!!**

## **To all suppliers and potential suppliers of goods to the Government Printing Works**

The Government Printing Works would like to warn members of the public against an organised syndicate(s) scamming unsuspecting members of the public and claiming to act on behalf of the Government Printing Works.

One of the ways in which the syndicate operates is by requesting quotations for various goods and services on a quotation form with the logo of the Government Printing Works. Once the official order is placed the syndicate requesting upfront payment before delivery will take place. Once the upfront payment is done the syndicate do not deliver the goods and service provider then expect payment from Government Printing Works.

Government Printing Works condemns such illegal activities and encourages service providers to confirm the legitimacy of purchase orders with GPW SCM, prior to processing and delivery of goods.

To confirm the legitimacy of purchase orders, please contact:

Renny Chetty (012) 748-6375 ([Renny.Chetty@gpw.gov.za](mailto:Renny.Chetty@gpw.gov.za)),

Anna-Marie du Toit (012) 748-6292 ([Anna-Marie.DuToit@gpw.gov.za](mailto:Anna-Marie.DuToit@gpw.gov.za)) and

Siraj Rizvi (012) 748-6380 ([Siraj.Rizvi@gpw.gov.za](mailto:Siraj.Rizvi@gpw.gov.za))

Printed by and obtainable from the Government Printer, Bosman Street, Private Bag X85, Pretoria, 0001  
Contact Centre Tel: 012-748 6200. eMail: [info.egazette@gpw.gov.za](mailto:info.egazette@gpw.gov.za)  
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