

**DEPARTMENT OF WATER AND SANITATION**


**NOTICE 538 OF 2016**

**NATIONAL WATER ACT, 1998 (ACT NO. 36 OF 1998)**

**REVISION OF GENERAL AUTHORISATION FOR THE TAKING AND STORING  
OF WATER**

I, Sifiso Mkhize, in my capacity as the Director-General (Acting) of the Department of Water and Sanitation, in terms of section 39 of the National Water Act, 1998 (Act No. 36 of 1998) and with delegated authority, hereby publish a revised general authorisation for the taking and storing of water, as contained in the Schedule hereto.

The general authorisation for the taking and storing of water contained in Schedule 1 of Notice No. 399, published in Government Gazette No. 26187 on 26 March 2004, and the extension of the general authorisation, published in Notice No. 970 in Government Gazette No. 35909, published on 30 November 2012, are hereby withdrawn on the date when the revised general authorisation will come into effect.



MR S MKHIZE

DIRECTOR-GENERAL: WATER AND SANITATION (ACTING)

Date: 15/04/2016

**SCHEDULE**

**EXPLANATORY NOTE**

According to Section 22(1) of the NWA a person may only use water without a licence if that water use is permissible under Schedule 1 or if that water use is permissible as a continuation of an existing lawful use or if that water use is permissible in terms of a general authorisation issued under section 39 of the National Water Act. The authorisations to take or store water given in this General Authorisation does not affect or replace the entitlements to take or store water given in Schedule 1 of the National Water Act, or given in section 34 of the Act to continue existing lawful water uses.

This general authorisation may be withdrawn at short notice. A water user who needs an entitlement with a firm duration may apply for a water use license.

This general authorisation will only come into effect and the current general authorisation will only be withdrawn six months after the publication of the notice to allow affected water users to apply for water use licences and for users to comply with the revised conditions.

This general authorisation does not and cannot exempt any water user from compliance with any provision of the National Water Act or any other legal requirement.

The amount of water authorised by the general authorisation is limited to prevent an unacceptable impact on water resources.

Information on the method of delineation of watercourses is contained in the Department's 2005 publication, *A Practical Field Procedure for Identification and Delineation of Wetlands and Riparian Areas*, which is available on the Department's website at <http://www.dws.gov.za>.

Information on drainage regions can be obtained on the Department's website at <http://www.dws.gov.za> or from the Department.

## **GENERAL AUTHORISATION FOR THE TAKING AND STORING OF WATER**

This general authorisation is issued in terms of section 39 of the National Water Act, 1998 (Act No. 36 of 1998).

### **1. Definitions**

Any term used in this notice which is defined in the National Water Act has the same meaning as defined in the Act unless stated differently in the notice.

1. *The Act* means the National Water Act, 1998 (Act No. 36 of 1998).
2. *Groundwater resource* for the purposes of this notice excludes alluvial aquifers directly connected to a stream.
3. *A property* means land registered separately in a Deeds Office.
4. *Surface water resource* for the purposes of this notice means a stream or water flowing over land, regardless of whether the flow is intermittent, or an alluvial aquifer directly connected to a stream, or an in-channel dam.
5. *Year* means any period of 12 consecutive months.
6. *Lawful access* to property includes but is not limited to: ownership, lease agreements (or any other agreements), servitudes and certificates of occupation.
7. *Communal land* means land contemplated in section 2 of the Communal Land Rights Act, 2004 (Act No. 11 of 2004) which is, or is to be, occupied or used by members of a community subject to the rules or custom of that community.

## **2. Application of the notice**

### **2.1. When the authorisation comes into effect**

This authorisation will come into effect on <date 6 months after the date of publication>.

### **2.2. Duration of the authorisation**

This authorisation will remain in effect for a period of twenty years from the date that it comes into effect or until it is withdrawn in total or withdrawn for specified areas or water resources by notice in the Government Gazette.



### **2.3. Geographical area and water resources to which the authorisation applies**

Except where stated differently in the notice this authorisation applies to all land and all water resources in South Africa, subject to the following exclusions:

1. No water that is taken in terms of this authorisation may be taken within a 500 metre radius from the boundary (delineated edge) of a wetland, pan or estuary.
2. No groundwater that is taken in terms of this authorisation may be taken within a 500 metre radius from the boundary of a wetland or estuary, within a 100 metre radius from the delineated riparian edge of a water course or a state dam, within a 500 metre radius of a state dam wall or within 500 metres from the high-water mark of the ocean.

### **2.4. Compliance with the National Water Act**

This authorisation does not replace any water use entitlement recognised under the Act.

A person who takes or stores water in terms of this authorisation is exempt from the requirements of section 22(2)(e) of the Act.

### **2.5. Relation to other entitlements to take or store water**

This general authorisation does not affect any other water use entitlement that a person may have, including an entitlement in terms of Schedule 1 of the Act.

A person who is otherwise entitled to take water from a surface water resource on a property or piece of communal land may not take more water from a surface water resource on the property or piece of land than the total volume that the person is otherwise entitled to take from surface water resources on the property or piece of land or the volume authorised in this notice, whichever is the largest.

A person who is otherwise entitled to take water from a groundwater resource on a property or piece of communal land may not take more water from a groundwater resource on the property or piece of land than the total volume that the person is otherwise entitled to take from groundwater resources on the property or piece of land or the volume authorised in this notice, whichever is the largest.

A person who is otherwise entitled to store water on a property or piece of communal land may not store more water on the property or piece of land than the total volume that the person is otherwise entitled to store on the property or piece of land or the volume authorised in this notice, whichever is the largest.

## **3. Taking of water from a surface water resource**

A person who has lawful access to a property or a piece of communal land may, in terms of this authorisation, on that property or piece of land take water from a surface water resource on or along the boundary of the property or piece of land, up to the maximum annual volume and maximum abstraction rate and during the months given in *Table 1: Surface Water Abstraction Rates and Storage Volumes* in *Appendix A* for the catchment in which the resource is located, subject to the following specific conditions and the general conditions in this notice.

Up to a maximum volume of 2 000 cubic metres per year and up to a maximum abstraction rate of 1 litre per second of the water so taken may be taken at any time during the whole year.

**3.1. Specific conditions for taking of water from a surface water resource**

1. The surface water taken on a property or piece of land in terms of this authorisation may be used on another property or piece of land.
2. Up to the maximum annual volume of surface water given for the resource in *Table 1: Surface Water Abstraction Rates and Storage Volumes* in *Appendix A* may be taken in terms of this authorisation for use on one property or per person in communal land.

**4. Taking of water from a groundwater resource**

A person who has lawful access to a property or a piece of communal land may, in terms of this authorisation, on that property or piece of land take water from a groundwater resource up to a maximum annual volume based on the size of the property or piece of land, the abstraction rate and the calculation method given in *Table 2: Groundwater Abstraction Rates* in *Appendix B*, subject to the following specific conditions and the general conditions in this notice.

**4.1. Specific conditions for taking of groundwater**

1. No more than 40 000 cubic metres may be taken in terms of this authorisation per year on a property.
2. The groundwater taken on a property or piece of land in terms of this authorisation may be used on another property or piece of land.
3. Up to the maximum annual volume of groundwater given for the resource in *Table 2: Groundwater Abstraction Rates* in *Appendix B* may be taken in terms of this authorisation for use on one property or piece of land, based on the size of the property or piece of land on which the water is taken.

**5. Storing of water**

A person who owns or lawfully occupies a property or piece of communal land may, in terms of this authorisation, on the property or piece of communal land occupied store water not containing waste up to the maximum volume given in *Table 1: Surface Water Abstraction Rates and Storage Volumes* in *Appendix A* for the catchment in which the stored water is taken, subject to the following specific conditions and the general conditions in this notice.

**5.1. Specific conditions for storing of water**

1. Water stored in terms of this authorisation may only be stored off-channel.
2. Retaining structures for the storing of water in terms of this authorisation that are constructed after this authorisation comes into effect must have outlet works that enable the full storage volume to be released within 30 days.
3. Up to the maximum volume of water given for the resource in *Table 1: Surface Water Abstraction Rates and Storage Volumes* in *Appendix A* may be stored in terms of this authorisation for use on one property or per person in communal land.



## **6. General conditions**

1. The water that is taken in terms of this authorisation may only be taken at a rate that is not excessive in relation to the capacity of the water resource and the needs of other users.
2. A water user who takes surface water at more than 5 litres per second or who takes groundwater at more than 2 litres per second on a property or piece of land in terms of this authorisation must measure and record the volume of water that is taken. The volume of water taken must be measured and recorded at the end of each month. The volume of water stored must be measured and recorded at the end of each month. The records must be kept for a minimum of five years and must be made available to officials of the responsible authority upon request.
3. The water taken and stored in terms of this authorisation must be used efficiently.
4. The water user must investigate and apply all reasonable water conservation measures.

## **7. Registration of water use**

1. A person who takes more than 50 cubic metres of water from a surface water resource per day on average over a year on a property or piece of land in terms of this authorisation must register the water use with the responsible authority.
2. A person who takes more than 10 cubic metres of water from a groundwater resource per day on average over a year on a property or piece of land in terms of this authorisation must register the water use with the responsible authority.
3. A person who stores more than 10 000 cubic metres of water on a property or piece of land in terms of this authorisation must register the water use with the responsible authority.
4. The taking or storing of water in terms of this authorisation that must be registered may only be exercised if the water use has been registered.
5. The water uses will be considered to be registered when the responsible authority has issued a document that proves that the application for registration has been received.
6. The responsible authority must acknowledge receipt of an application for registration within 30 days.

## **8. Payment of charges**

The water uses authorised in this notice may be subject to the payment of charges in terms of the pricing strategy established in terms of Chapter 5 of the Act.

## Appendix A. Surface Water Abstraction and Storage

Table 1: Surface Water Abstraction Rates and Storage Volumes

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation cubic metres per year	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation litres per second	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation cubic metres
<b>WMA 1: Limpopo</b>					
A	Limpopo, Crocodile, Marico, Matlabas, Mokolo, Lephatala, Mogalakwena, Sand, Nzhelele, Nwanedzi and Luvuvhu	2 000	1	whole year	2 000
<b>WMA 2: Olifants</b>					
B	Olifants, Steelpoort, Blyde, Letaba and Shingwedzi.	2 000	1	whole year	2 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation cubic metres per year	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation litres per second	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation cubic metres
<b>WMA 3: Inkomati-Usuthu</b>					
W51 - W56	Upper Usutu	10 000	2	December to April	10 000
X	Inkomati, Crocodile, Sabie	2 000	1	whole year	2 000
<b>WMA 4: Pongola-Mtamvuna</b>					
T40	Mtamvuna	80 000	16	December to April	80 000
T51	Umzimkulu	80 000	16	December to April	80 000
T52	Umzimkulu	80 000	16	December to April	80 000
U10	Mkomazi	80 000	16	December to April	80 000
U20	Mgeni	2 000	1	whole year	2 000
U30A to U30B	Mdloti	20 000	4	December to April	20 000
U30C to U30E	Tongati	40 000	8	December to April	40 000
U40	Mvoti	40 000	8	December to April	40 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		
U50	Coastal rivers	40 000	8	December to April	40 000
U60A to U60B	Mlazi	2 000	1	whole year	2 000
U60C to U60F	Mlazi	40 000	8	December to April	40 000
U70A to U70B	Lovu	40 000	8	December to April	40 000
U70C to U70E	Lovu	80 000	16	December to April	80 000
U70F	Lovu	40 000	8	December to April	40 000
U80	Coastal rivers	80 000	16	December to April	80 000
V11A to V11E	Upper Tukela	2 000	1	whole year	2 000
V11F	Upper Tukela	40 000	8	December to April	40 000
V11G to V11J	Upper Tukela	2 000	1	whole year	2 000
V11K to V11L	Upper Tukela	40 000	8	December to April	40 000
V11M	Upper Tukela	80 000	16	December to April	80 000
V12	Upper Tukela	80 000	16	December to April	80 000
V13	Upper Tukela	10 000	2	December to April	10 000
V14	Upper Tukela	80 000	16	December to April	80 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		
V20	Mooi, Sundays	2 000	1	whole year	2 000
V31A	Buffalo	2 000	1	whole year	2 000
V31B to V31D	Buffalo	40 000	8	December to April	40 000
V31E	Buffalo	10 000	2	December to April	10 000
V31F to V31K	Buffalo	40 000	8	December to April	40 000
V32A to V32D	Buffalo	40 000	8	December to April	40 000
V32E	Buffalo	10 000	2	December to April	10 000
V32F to V32H	Buffalo	40 000	8	December to April	40 000
V33	Buffalo	40 000	8	December to April	40 000
V40	Lower Tsekela	80 000	16	December to April	80 000
V50	Lower Tsekela	80 000	16	December to April	80 000
V60	Mooi, Sundays	40 000	8	December to April	40 000
V70	Mooi, Sundays	40 000	8	December to April	40 000
W11	Mhlatuze	20 000	4	December to April	20 000
W12	Mhlatuze	2 000	1	whole year	2 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
W13	Mhlatuze	20 000	4	December to April	20 000
W21A	Mfolozi	10 000	2	December to April	10 000
W21B to W21L	Mfolozi	80 000	16	December to April	80 000
W22	Mfolozi	80 000	16	December to April	80 000
W23	Mfolozi	80 000	16	December to April	80 000
W31A to W31H	Mkuze	40 000	8	December to April	40 000
W31J to W31L	Mkuze	2 000	1	whole year	2 000
W32	Mkuze	2 000	1	whole year	2 000
W41	Pongola	40 000	8	December to April	40 000
W42	Pongola	40 000	8	December to April	40 000
W43C	Pongola	2 000	1	whole year	2 000
W43E	Pongola	2 000	1	whole year	2 000
W43F	Pongola	20 000	4	December to April	20 000
W44	Pongola	2 000	1	whole year	2 000
W45	Pongola	20 000	4	December to April	20 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		cubic metres
W57	Usutu	20 000	4	December to April	20 000
W70	Mkuze	2 000	1	whole year	2 000
<b>WMA 5: Vaal</b>					
C	Vaal	2 000	1	whole year	2 000
D	Molopo	2 000	1	whole year	2 000
<b>WMA 6: Orange</b>					
C	Riet, Modder	2 000	1	whole year	2 000
D	Kraai, Caledon, Orange	2 000	1	whole year	2 000
F	Coastal rivers	2 000	1	whole year	2 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation cubic metres per year	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation litres per second	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation cubic metres
<b>WMA 7: Mzimvubu to Tsitsikamma</b>					
K80A to K80D	Cold Stream, Lottering, Elandsbos, Kleinbos, Witteklip, Storms, Sanddrif, Kruis, Elands, Groot, Klip, Nuwejaar, Eerste	80 000	16	June to November	80 000
K80E to K80F	Klipdrif, Kaapsedrif, Klasies, Tsitsikamma, Klipdrift, Slang	2 000	1	whole year	2 000
K90A to K90F	Krom, Diep, Seekoei, Swart	2 000	1	whole year	2 000
K90G	Kabeljous	80 000	16	June to December	80 000
L11	Sout, Platdoring	2 000	1	whole year	2 000
L12	Amos, Skilpadkop, Sout	2 000	1	whole year	2 000
L21	Brak, Snyderskraal, Buffels	2 000	1	whole year	2 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
					cubic metres
L22	Buffels, Juriesfontein se, Sarels, Tulpleegte	2 000	1	whole year	2 000
L23	Kariega, GannaLeegte, PlatkuilSpruit	2 000	1	whole year	2 000
L30	Kraai, Witkoppies se Loop, Sout, Groot	40 000	8	March to April	40 000
L40	Plessis	40 000	8	March to April	40 000
L50	Sandpoort, Groot	40 000	8	March to April	40 000
L60	Heuningklip	40 000	8	March to April	40 000
L70	Sandpoort, Groot, HaaspoortSpruit, Noagas	40 000	8	March to April	40 000
L81	Baviaanskloof	2 000	1	whole year	2 000
L82A to L82H	Groot, Kouga, Joubertskraal	2 000	1	whole year	2 000
L82J	Doringkraal	40 000	8	July to December	40 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
L90	Gamtoos, Klein, Loeriespruit, Geelhoutboom	2 000	1	whole year	2 000
M10A	KwaZungu	2 000	1	whole year	2 000
M10B to M10D	Elands, Swartkops, Swartkops, Chatty	80 000	16	June to November	80 000
M20	Bakens, Van Stadens, Maitland	2 000	1	whole year	2 000
M30	Coega	2 000	1	whole year	2 000
N	Sondags	2 000	1	whole year	2 000
P	Boesmans, Kowie	2 000	1	whole year	2 000
Q10	Groot Brak, RooiSpruit, Teebus, Klein Brak, Groot Vis	2 000	1	whole year	2 000
Q20	Groot Vis	2 000	1	whole year	2 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		
Q30	Groot Vis	2 000	1	whole year	2 000
Q40	Tarka, Elands	2 000	1	whole year	2 000
Q50	Groot Vis	2 000	1	whole year	2 000
Q60	Baviaans	2 000	1	whole year	2 000
Q70	Groot Vis	2 000	1	whole year	2 000
Q80	Klein Vis	2 000	1	whole year	2 000
Q91	Groot Vis, Bampie Spruit	2 000	1	whole year	2 000
Q92	Tierkloof, Koonap, Cowie, Waterkloof, eNyara	2 000	1	whole year	2 000
Q93	Groot-Vis, Eccca, Groot-Vis, Kap	80 000	16	October to April	80 000
Q94	Kat, Balfour, Blinkwater	2 000	1	whole year	2 000
R10A to R10B	Keiskamma	2 000	1	whole year	2 000
R10C to R10M	Keiskamma, Tyume, Nyulutsi, Mozana	80 000	16	whole year	80 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation cubic metres per year	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation litres per second	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation cubic metres
R20	Cwengcwe, Buffalo, Mgqakwebe	2 000	1	whole year	2 000
R30A to R30D	Kwenxura, Quko, Morgan's Bay, Cwili, Kwelera, Cintsa, Cefane, Ngculu, Gqunube	40 000	8	whole year	40 000
R30E	Nahoon	2 000	1	whole year	2 000
R30F	Nahoon, Qinira	40 000	8	March to December	40 000
R40	Ncera, Miele, Mlantsi, Mgwenyana, Gxulu, Goda, Tyolomnqa, Kiwane	80 000	16	March to December	80 000
R50	Bira, Gqutywa, Mpekweni, Mtati, Mgwalandana	80 000	16	March to December	80 000
S10A to S10E	Grootvlei, Wit-Kei	2 000	1	whole year	2 000
S10F to S10J	Cacadu, Wit-Kei	80 000	16	January to April	80 000
S20A to S20C	Doring, Guba, Indwe	2 000	1	whole year	2 000



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S20D	Indwe	80 000	16	January to April	80 000
S31A to S31E	Hex, Klaas Smits, Heuningklip, Lesseyton	80 000	16	January to April	80 000
S31F	Komani	2 000	1	whole year	2 000
S31G	Klaas Smits	80 000	16	January to April	80 000
S32A to S32C	Swart-Kei	80 000	16	January to April	80 000
S32D to S32G	Klipplaat, Oskraal	2 000	1	whole year	2 000
S32H to S32M	Swart-Kei, Mvane, Papkuisfontein	80 000	16	January to April	80 000
S40A	Thorn	2 000	1	whole year	2 000
S40B	Little Thomas	80 000	16	Feb to May	80 000
S40C	Thomas	80 000	16	Feb to May	80 000
S40D to S40F	Groot-Kei	80 000	16	January to April	80 000
S50A to S50F	Tsomo, Xentu, Cala, Ncuncuzo	2 000	1	whole year	2 000
S50G	Tsomo	80 000	16	October to May	80 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		
S50H to S50J	Ngongcolora, Tsomo	80 000	16	October to May	80 000
S60A to S60C	Kubusi, Toise	2 000	1	whole year	2 000
S60D to S60E	Mgwali, Kubusi	80 000	16	October to April	80 000
S70A to S70B	Groot-Kei	80 000	16	whole year	80 000
S70C to S70D	kuNtseshe, Xilinx	2 000	1	whole year	2 000
S70E	iCegcuwana	80 000	16	Mar to Nov	80 000
S70F	Groot-Kei, Tyityaba	80 000	16	whole year	80 000
T11A	Slang	80 000	16	January to April	80 000
T11B to T11H	Xuka, Ngancule, Mbhashe	80 000	16	October to April	80 000
T12	Mgwali, Qumanco, Tora	80 000	16	October to April	80 000
T13	Mbhashe, Ncihana	80 000	16	October to April	80 000
T20A to T20B	Mthatha	2 000	1	whole year	2 000
T20C to T20G	Mthatha, Corana, Ngqungqu	80 000	16	October to April	80 000

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T31	Mzimvubu, Krom, Riet, Tswereka, Mkemane	80 000	16	January to April	80 000
T32	Mzintlava, Droewig, Mvalweni, Mzintlavana	80 000	16	January to April	80 000
T33	Makomorin, Seeta, Morulane, Kinira, Mzimvubu	80 000	16	January to April	80 000
T34	Vuvu, Phiri-e-ntso, Tinana, Thina, Luzi, Qwidlana, Qhanqu	80 000	16	January to April	80 000
T35	Tsitsana, Pot, Mooi, iTsitsa, Gqukunqa, Inxu, Culunca	80 000	16	October to April	80 000
T36	Mzintshana, Mzimvubu	80 000	16	October to May	80 000
T60	Mpahlane, Nqabeni, Mtentshwana, Mtentu, Msikaba, Xura, Mkozi, Mizizangwa, Mntafufu	80 000	16	September to May	80 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
					cubic metres
T70	eMhlanga, Mngazi, Mgwenyana, Mtumbane, Mngazana, Mnenu, Sinangwana, Mngazana, Mtakatye, Mdumbi, Lwandile, Ludaka	80 000	16	September to May	80 000
T80	Mpako, Mtonjane, Nenga, Mapuzi, Bulungula, KuAmanzimnyama, Nqakanga, Mncwasa, Xorana, Mbanyana, Hobeni, KuBhula, Ntlongyane, Xora	80 000	16	whole year	80 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
T90	Ntshatshongo, Nqabarana, Nqabara, Qingqala, Ngomane, Ngoma, Mendu, Shixini, Kwagoqo, KuNocekedwa, Mcucu, Qora, Qwaninga, Ngxutyana, Ngqusi, iNxaxo, Cebe, Gqunde, Ngqwara, Sihlontweni, Nebelele, Qolora, Khoboqaba	80 000 cubic metres per year	16 litres per second	whole year	80 000 cubic metres
<b>WMA 8: Breede-Gouritz</b>					
G40B	Buffels	10 000	2	whole year	10 000
G40C	Palmiet	2 000	1	whole year	2 000
G40D	Palmiet	10 000	2	whole year	10 000
G40E to G40K	Bot, Onrus, Klein	2 000	1	whole year	2 000
G40L	Klein	10 000	2	whole year	10 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		
G40M	Uitskraal	2 000	1	whole year	2 000
G50A	Ratel, Haelkraal	10 000	2	whole year	10 000
G50B to G50C	Kars	2 000	1	whole year	2 000
G50D	Kars	10 000	2	whole year	10 000
G50E	Kars	2 000	1	whole year	2 000
G50F to G50J	Kars, De Hoopvlei, Pottebergs	10 000	2	whole year	10 000
G50K	Pottebergs	2 000	1	whole year	2 000
H10A to H10C	Breede	2 000	1	whole year	2 000
H10D to H10E	Breede	10 000	2	whole year	10 000
H10F to H10H	Breede	2 000	1	whole year	2 000
H10J	Breede	40 000	8	whole year	40 000
H10K	Breede	20 000	4	whole year	20 000
H10L	Breede	2 000	1	whole year	2 000
H20	Hex	2 000	1	whole year	2 000
H30	Keisie	2 000	1	whole year	2 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
H40A	Breede	10 000	2	whole year	10 000
H40B to H40L	Breede	2 000	1	whole year	2 000
H50	Breede	2 000	1	whole year	2 000
H60A to H60B	Riviersonderend	20 000	4	whole year	20 000
H60C	Riviersonderend	2 000	1	whole year	2 000
H60D	Riviersonderend	10 000	2	whole year	10 000
H60E	Riviersonderend	2 000	1	whole year	2 000
H60F	Riviersonderend	10 000	2	whole year	10 000
H60G	Riviersonderend	20 000	4	whole year	20 000
H60H	Riviersonderend	10 000	2	whole year	10 000
H60J	Riviersonderend	2 000	1	whole year	2 000
H60K	Riviersonderend	10 000	2	whole year	10 000
H60L	Riviersonderend	20 000	4	whole year	20 000
H70A to H70C	Breede	2 000	1	whole year	2 000
H70D to H70F	Breede	20 000	4	whole year	20 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		
H70G to H70H	Breede	2 000	1	whole year	2 000
H70J to H70K	Breede	20 000	4	whole year	20 000
H80A to H80C	Duivenhoks	2 000	1	whole year	2 000
H80D to H80F	Duivenhoks	80 000	16	whole year	40 000
H90A to H90C	Goukou	2 000	1	whole year	2 000
H90D to H90E	Goukou	80 000	16	whole year	40 000
J11	Buffels	80 000	16	whole year	40 000
J12A to J12D	Touws	2 000	1	whole year	2 000
J12E to J12M	Touws	80 000	16	whole year	40 000
J13	Groot	80 000	16	whole year	40 000
J21	Gamka	80 000	16	whole year	40 000
J22	Leeuw	80 000	16	whole year	40 000
J23A to J23D	Gamka	80 000	16	whole year	40 000
J23E	Gamka	2 000	1	whole year	2 000
J23F to J23J	Gamka	80 000	16	whole year	40 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
J24	Dwyka	80 000	16	whole year	40 000
J25	Gamka	2 000	1	whole year	2 000
J31	Olifants	2 000	1	whole year	2 000
J32	Tarka	2 000	1	whole year	2 000
J33	Olifants	2 000	1	whole year	2 000
J34	Kammanassie	2 000	1	whole year	2 000
J35A	Olifants	2 000	1	whole year	2 000
J35B to J35F	Olifants	80 000	16	whole year	40 000
J40A to J40B	Gouritz	80 000	16	whole year	40 000
J40C	Gouritz	2 000	1	whole year	2 000
J40D to J40E	Gouritz	80 000	16	whole year	40 000
K10A	Coastal rivers	80 000	16	whole year	40 000
K10B	Coastal rivers	2 000	1	whole year	2 000
K10C to K10D	Coastal rivers	80 000	16	whole year	40 000
K10E to K10F	Coastal rivers	2 000	1	whole year	2 000



Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		cubic metres
K20	Coastal rivers	2 000	1	whole year	2 000
K30A to K30B	Coastal rivers	2 000	1	whole year	2 000
K30C to K30D	Coastal rivers	80 000	16	whole year	40 000
K40	Coastal rivers	80 000	16	whole year	40 000
K50-K60	Coastal rivers	2 000	1	whole year	2 000
K70	Coastal rivers	80 000	16	whole year	40 000
<b>WMA 9: Berg-Olifants</b>					
E10	Olifants	2 000	1	whole year	2 000
E20	Doring	80 000	16	whole year	40 000
E31-E32	Knersvlakte	80 000	16	whole year	40 000
E33A to E33F	Olifants, Knersvlakte	80 000	16	whole year	40 000
E33G to E33H	Olifants, Knersvlakte	2 000	1	whole year	2 000
E40	Doring	80 000	16	whole year	40 000
F60	Knersvlakte	80 000	16	whole year	40 000

Drainage region	Main river	Maximum volume of surface water that may be abstracted on each property or by each person on communal land in terms of this authorisation	Maximum rate at which surface water may be abstracted on each property or by each person on communal land in terms of this authorisation	Months in which water may be abstracted in terms of this authorisation	Maximum volume that may be stored on each property or by each person on communal land in terms of this authorisation
		cubic metres per year	litres per second		
G10	Berg	2 000	1	whole year	2 000
G21	Berg	2 000	1	whole year	2 000
G22	Cape Town area	2 000	1	whole year	2 000
G30	Sandveld	80 000	16	whole year	40 000
G30A	Berg	2 000	1	whole year	2 000
G40A	Cape Town area	2 000	1	whole year	2 000

**Appendix B. Groundwater abstraction****Table 2: Groundwater Abstraction Rates**

The maximum volume of water that may be taken from groundwater resources on each property or piece of land in a drainage region in terms of this authorisation is equal to the size of the property or piece of land multiplied by the rate indicated in the heading of the column in which the drainage region is listed.

**Abstraction rate (cubic metres per hectare per year)**

0	45	75	150	275	400
<b>Drainage regions</b>					
<b>WMA 1: Limpopo</b>					
A21A – A21C	A10A – A10C	A41A – A41B			
A21E	A21D	A42D			
A22A	A21F – A21L	A42F – A42H			
A23A	A22B – A22J	A50D – A50F			
A23D	A23B – A23C	A62B – A62F			
A23E	A23F – A23L	A50D – A50F			
A31A – A31E	A24A – A24J	A62B – A62F			
A42A – A42C	A31F – A31J				
A42E	A32A – A32E				
A50A	A41C – A41E				
A50B	A42J				
A50C	A50G – A50J				
A61A – A61J	A62J				
A62A	A63A – A63B				
A62G	A63D				
A63C	A71B – A71D				
A63E	A71H – A71L				
A71A	A72A – A72B				
A71E – A71G	A80A – A80J				
	A91A – A91K				
	A92A – A92D				
<b>WMA 2: Olifants</b>					
B11H – B11K	B11A – B11G				
B20A – B20J	B11L				
B31A	B12A – B12E				
B31E	B31B – B31D				
B31F	B31G – B31H				
B31J	B32A – B32J				



**Abstraction rate (cubic metres per hectare per year)**

0	45	75	150	275	400
<b>Drainage regions</b>					
B41F – B41G B41J B51E B51G B60A – B60C B60E – B60G	B41A – B41E B41H B41K B51A – B51C B51F B51H B52A – B52J B60D B60H B60J B71A – B71J B72A – B72K B73A – B73J B81A – B81J B82A – B82J B83A – B83E B90A – B90H				
<b>WMA 3: Inkomati-Usuthu</b>					
X11D X11E – X11J X12B X12C X14A – X14B X14E – X14G	X13L X14H X21A – X21G X21J X22A – X22B X22D – X22K	W51A – W51F W52A – W52D W53A – W53E W54A – W54E W55A – W55D W56A – W56B			
X23G – X23H X24D	X24A – X24C X24E – X24H X31A – X31M X32A – X32J X33A – X33D X40A – X40D	X11A – X11C X11K X12A X12D – X12K X13J – X13K X21H X21K X22C X23A – X23F			
<b>WMA 4: Pongola-Mtamvuna</b>					
	U10A – U10K U20A – U20E U20H	T40A – T40C T51A – T51J T52A – T52H	V33C V33D V40A – V40E	T40D – T40G T52J – T52M U10L	W12D – W12J W13B W23A – W23D

**Abstraction rate (cubic metres per hectare per year)**

0	45	75	150	275	400
<b>Drainage regions</b>					
	U40A U40B U60A U70A V11A – V11M V12A – V12G V13A – V13E V14A – V14E V20A – V20J V31A – V31C V31E – V31F V60A V60B V60J V60K V70A – V70G	V31D V31G – V31K V32A – V32H V33A V33B V60C – V60H W21A – W21F W22A – W22C W22E – W22L W31A – W31H W31K W32D W41A – W41G W42A – W42M W44A – W44E	V50A – V50D W11A – W11C W12A – W12C W13A W21G – W21L W22D	U10M U20F U20G U20J – U20M U30A – U30E U40C – U40J U50A U60B – U60F U70B – U70F U80A – U80L	W31J W31L W32A – W32C W32E – W32H W43F W45A W45B W57J W57K W70A
<b>WMA 5: Vaal</b>					
C23E – C23G C24C – C24F C31F D41D – D41E D41H D41K D73A D73C – D73E	C13A C13B C24A C24B C24G C24H C60G C70K C91A – C91E D41C D41F – D41G D41J D41L – D41M D42C – D42D D73B	C11A – C11M C12A – C12L C13C – C13H C21A – C21G C22A – C22K C23A – C23D C23H – C23L C24J C25A – C25F C31B – C31E C32A – C32D C33A – C33C C41A – C41J C42A – C42L C43A – C43D C60A – C60F C60H C60J C70A C70B – C70J C81A – C81M C82A – C82H	C31A		

**Abstraction rate (cubic metres per hectare per year)**

0	45	75	150	275	400
<b>Drainage regions</b>					
		C83A – C83M C92A C92B D41A D41B			
<b>WMA 6: Orange</b>					
C51J – C51M	C51H	C51A – C51G			
C52G – C52L	D12A	C52A – C52F			
D33A	D14B – D14K	C92C			
D33C – D33E	D15G	D12B – D12F			
D33K	D15H	D13A – D13M			
D42A – D42E	D18K	D14A			
D51C	D18L	D21F			
D53D – D53J	D21A	D21G			
D54A – D54G	D21C – D21E	D22A			
D55M	D21H	D22B			
D56H	D22C	D22D			
D56J	D23F	D22G			
D57A – D57E	D23G	D22H			
D58C	D24A	D22L			
D62A – D62B	D31A – D31E	D23A			
D62E	D32H – D32K	D23C			
D73C – D73F	D33B	D23D			
D81A – D81G	D33F – D33J	D23E			
D82A – D82L	D34C – D34G	D23H			
F10A – F10C	D35B	D23J			
F20A – F20E	D35C	D24B – D24L			
F30A	D51A	D32A – D32G			
F30B	D51B	D34A			
F30E – F30G	D52A – D52F	D34B			
F40A – F40H	D53A – D53C	D35A			
F50A	D55A – D55L	D35D – D35K			
F50F	D56A – D56G	D71A			
F50G	D58A – D58B	D71B			
	D61A – D61M				
	D62C – D62D				
	D62F – D62J				
	D71C – D71D				
	D72A – D72C				



**Abstraction rate (cubic metres per hectare per year)**

0	45	75	150	275	400
<b>Drainage regions</b>					
	D73B F30C F30D F50B F50C F50E				
<b>WMA 7: Mzimvubu-Tsitsikamma</b>					
L11E – L11G	L11A – L11D	N40D		K80A – K80F	
L12A – L12C	L12D	N40F		K90A – K90G	
L22B	L21A – L21F	P10A		L70G	
L23A	L22A	P10B		L81A – L81D	
M10C – M10D	L22C	P10D – P10G		L82A – L82J	
M30A	L22D	P20A		L90A – L90C	
M30B	L23B – L23D	P20B		M10A	
N14A – N14C	L30A – L30D	P30A – P30C		M10B	
N21A	L40A	P40A – P40D		M20A-M20B	
N22A – N22E	L40B	Q11A		T60A	
N23B	L50A	Q91B		T60C	
N24A – N24D	L50B	Q91C		T60D	
N22E	L60A	Q92A		T60F – T60J	
N23B	L60B	Q92B			
N24A – N24D	L70A – L70F	Q92D			
N40A	N11A	Q92E			
Q11C – Q11D	N11B	Q92G			
Q12C	N12A – N12C	Q93A – Q93D			
Q13A – Q13C	N13A – N13C	Q94A – Q94F			
Q14A – Q14E	N14D	R10A – R10M			
Q21B	N21B – N21D	R20A – R20G			
Q22A	N23A	R30A – R30F			
Q22B	N30A – N30C	R40A – R40C			
Q30B – Q30E	N40B	R50A			
Q41D	N40C	R50B			
Q43B	N40E	S10A – S10J			
Q44A – Q44C	P10C	S20A – S20D			
Q50A	Q11B	S32A – S32B			
Q60A – Q60C	Q12A	S32D - S32F			
	Q12B	S32L			
	Q21A	S32M			
	Q30A	S40A – S40F			

**Abstraction rate (cubic metres per hectare per year)**

0	45	75	150	275	400
<b>Drainage regions</b>					
	Q41A – Q41C Q42A Q42B Q43A Q50B Q50C Q70A – Q70C Q80A – Q80G Q91A Q92C Q92F S31A – S31G S32C S32G – S32K T20D – T20F T32E – T32H T33H – T33K T34J – T34K T35L – T35M T70A T70E T80C	S50A – S50J S60A – S60E S70A – S70F T11A – T11H T12A – T12G T13A – T13E T20A – T20C T20G T31A – T31J T32A – T32D T33A – T33G T34A – T34H T35A – T35K T36A T36B T60B T60E T60K T70B – T70D T70F T70G T80A T80B T80D T90A – T90G			
<b>WMA 8: Breede-Gouritz</b>					
H10C J21A	J11A – J11K J12C J12E J12J J12K J21B – J21E J22A – J22K J23A – J23J J24A – J24F J32A – J32E J33A – J33F J34D – J34F J35B	G40K G50G G50H H10A H50B H60G H60K H60L H70A H70B H70F – H70J H90D J12D	G40F G50B – G50E H10F H10L H20A H20H H30A – H30E H40A H40C – H40J H40L H50A H60H H60J	G40H G40J G40L G40M G50A G50F G50J G50K H10B H10D H10G H10H H20B – H20G	G40B – G40E G40G H10E H10J H10K H60A – H60C H80B K60C – K60F K70A K70B

<b>Abstraction rate (cubic metres per hectare per year)</b>					
0	45	75	150	275	400
<b>Drainage regions</b>					
	J35C	J12F – J12H J12L J12M J13A – J13C J35A J40D K10A K10B	H70C H70K H80A H80D H80E H90A H90B J12A J12B J25A – J25E J31A – J31D J35D – J35F J40A J40C J40E K10D – K10F K20A K30A – K30D K40D	H40B H40K H60D – H60F H70D H70E H80C H80F H90C H90E J34A – J34C J40B K10C K40A – K40C K40E K50A K50B K60A K60B K60G	
<b>WMA 9: Berg-Olifants</b>					
F50D G30B – G30G	E22A – E22G E23A – E23K E24C – E24H E31A – E31H E32A – E32E E33A – E33E E33G – E33H E40A E40B F60B – F60E G30H	E21A – E21C E21E E21L E24A E24B E24J – E24M E33F E40C E40D	E10E – E10K E21D E21F – E21K G10D – G10F G10H – G10M G21A – G21F G30A		E10A – E10D G10A – G10C G10G G22A – G22K G40A