

Ramsar Information Sheet

Published on 26 August 2019

South Africa Kgaswane Mountain Reserve



Designation date 29 March 2019 Site number 2385

Coordinates 25°43'31"S 27°12'25"E

Area 4 952,40 ha

https://rsis.ramsar.org/ris/2385 Created by RSIS V.1.6 on - 9 September 2019

Color codes

Fields back-shaded in light blue relate to data and information required only for RIS updates.

Note that some fields concerning aspects of Part 3, the Ecological Character Description of the RIS (tinted in purple), are not expected to be completed as part of a standard RIS, but are included for completeness so as to provide the requested consistency between the RIS and the format of a 'full' Ecological Character Description, as adopted in Resolution X.15 (2008). If a Contracting Party does have information available that is relevant to these fields (for example from a national format Ecological Character Description) it may, if it wishes to, include information in these additional fields.

1 - Summary

Summary

Kgaswane is part of the Magaliesberg protected area which has been declared as one of the World Heritage Sites in South Africa. it's home to the following endemic species: aloe peglarae.

This site is located south of Rustenburg town on the Magaliesberg Mountain range. This mountain range is considered to be the second oldest in the world and extends 120 km from Bronkhorstspruit Dam east of Pretoria to Rustenburg in the west, where it separates the highveld grasslands in the south from the bushveld savannah in the north.

The reserve is situated on the summit, eastern slopes and foothills of the Magaliesberg. Two distinct geomorphological regions can be distinguished on the reserve; the high-lying plateaus and the low-lying valleys. The high-lying plateau contains a flat, convex area of exposed quartzite, at an altitude of 1 500 m - 1 650 m. This high-lying plateau descents southwards into a basin of deep alluvial soil and marsh land which forms the largest natural wetland on the Magaliesberg. The wetland is at altitudes 1 425 m - 1 440 m. The brim emerges at altitudes of 1 440 m in the south and at 1 500 m in the north, east and west.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Compiler 1

Compiler 2

Name Idah Maroo
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0305

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Name Phenya Tshenkeng
Institution/agency NWPB

P O Box 4488
Mafikeng
2745

2.1.2 - Period of collection of data and information used to compile the RIS

From year 2009
To year 2018

Phone 0183971500

E-mail ptshenkeng@nwpb.org.za

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Kgaswane Mountain Reserve

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Former maps 0

Boundaries description

The site boundary is defined by the physical boundary of the Kgaswane Mountain Reserve (KMR), and the area is completely contained within the Magaliesberg Natural Protected Environment, a Unesco registered world biosphere reserve. This site is located south of Rustenburg town on the Magaliesberg Mountain range. This mountain range is considered to be the second oldest in the world and extends 120 km from Bronkhorstspruit Dam east of Pretoria to Rustenburg in the west, where it separates the highveld grasslands in the south from the bushveld savannah in the north.

2.2.2 - General location

a) In which large administrative region does the site lie?	North West Province
b) What is the nearest town or population	Rustenburg

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries?

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?

2.2.4 - Area of the Site

Official area, in hectares (ha): 4952.4

Area, in hectares (ha) as calculated from 4956.325 GIS boundaries

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
WWF Terrestrial Ecoregions	
Marine Ecoregions of the World (MEOW)	
Other scheme (provide name below)	
Freshwater Ecoregions of the World (FEOW)	

Other biogeographic regionalisation scheme

The reserve is situated in Rustenburg. This scenic reserve lies on the summit and against the northern slopes of the Magaliesberg. The reserve is known for its prolific bird and animal life which can be viewed while exploring the two-day hiking trail traversing the reserve. It is in the area of the Magaliesberg Mountains that the first recorded sable in southern Africa was sighted and shot. Located a few kilometers to the south-west of Rustenburg, this reserve is on the summit and against the northern slopes of the scenic Magaliesberg.

The topography offers game viewing at an altitude of 1200 – 1750 m above sea level. The geology of this area consists predominately by quartzites, conglomerates and some shale horizons of the Magaliesberg, Daspoort and Silverton formations and the Hospital Hill, Turffontein and Government subgroups. Soils are shallow, gravel lithosols of the Mispah and Glenrosa forms.

3 - Why is the Site important?

3.1 - Ramsar Criteria and their justification

☑ Criterion 1: Representative, rare or unique natural or near-natural wetland types

Hydrological services provided

The Magaliesberg serves as catchment for numerous little streams. The absence of notable vegetation cover on the crest and upper slopes, increases runoff from these surfaces, which flows into cracks and crevices in the underlying rock strata only to emerge through seepage sites further down the northern slopes. Small streams are therefore abundant in the Magaliesberg, especially on the northern slopes. The reserve's boundary includes the upper catchment of the Waterkloofspruit. This catchment comprises a 17 km2 area on the northern plateau and central basin. The stream flows through a unique Phragmites australis reed marsh in the central basin area of the reserve, drops over a 60 m high waterfall and flows further through the farm Baviaanskrans to join the Hex River north of the reserve. A weak correlation (top measure plate: r 2 = 0.518; bottom measure plate: r 2 = 0.465) exist between rainfall and runoff. This is due to the considerable potential of the underlying substrate to absorb a high percentage of rainfall water. while only floodwater runs down the streams.

The reserve caters for day visitors who wish to visit the park. It has four hiking trails. The Vlei trail is a short 2 km track ideal for viewing birds, the Peglarae Trail is approximately 5.5 km with terrain being steep and Other reasons rocky, the last two are overnight hiking trails with the Summit Route of 25,3 km and include natural pools for swimming and the Baviaanskrans Route is 19,5 km and has a waterfall view and a Garden of Remembrance and amenities in two huts to accommodate hikers on both trails.

- ☑ Criterion 2 : Rare species and threatened ecological communities
- Criterion 3 : Biological diversity

The site has endemic plant species such as Frithia pulchra and Aloe peglerae. The reserve has over 500 antelopes which include klipspringer, the grey duiker, bushbuck, kudu, oribi, mountain reedbuck, impala, red hartebeest, zebra, springbok, steenbok, sable antelope and the waterbuck. The reserve also has a few predators like the caracal, aardwolf, jackal and leopard. 320 species of birdlife has been recorded in Justification the reserve, and includes martial and black eagle which is facing a high risk of extinction in the wild. Other interesting species include Red-winged Francolin, the African black swift, the Sentinel rock thrush and regular migratory birds such as a tree-pipit. The reserve consists of grassland, shrub, mixed woodland, and pockets of fynbos. 115 tree and bush species are said to grow in the reserve and includes some rare plants.

3.2 - Plant species whose presence relates to the international importance of the site

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Aloe peglerae		₽			EN		endemic	endemic
Frithia pulchra		2	✓		W		endemic	endemic

These two species are endemic to Magaliesberg.		

3.3 - Animal species whose presence relates to the international importance of the site

3.3 - AII	ımaı specie	s wnose pre				e international impo	rtance	or the s	site		
Phylum	Scientific name	Common name	Species qualifies under criterion	contr ur crit	enon	Pop. Period of pop. Est. occu	% IU(Re Li	CN CITES d Appendix st I	CMS Appendix I	Other Status	Justification
Birds			2 4 6 9	3 3	1 0						
CHORDATA / AVES	Anthus trivialis	Tree Pipit					L				The reserve is an important home for this least concern bird species, although not a focus of species conservation.
CHORDATA / AVES	Apus barbatus	African Black Swift					L				The reserve is an important home for this least concern bird species, although not a focus of species conservation.
CHORDATA / AVES	Ardea cinerea	Grey Heron					L				The reserve is an important home for this least concern bird species, although not a focus of species conservation.
CHORDATA / AVES	Aviceda cuculoides	African Cuckoo- Hawk					L				The reserve is an important home for this least concern bird species, although not a focus of species conservation.
CHORDATA / AVES	Gyps coprotheres	Cape Vulture					E	۷ 🗆	V		The reserve is a breeding site for this species
CHORDATA / AVES	Pernis apivorus	European Honey Buzzard					L				The reserve is an important home for this least concern bird species, although not a focus of species conservation.
CHORDATA / AVES	Polemaetus bellicosus	Martial Eagle	2 200	2			V				The reserve is a breeding site for this species
CHORDATA / AVES	Sarothrura rufa	Red-chested Flufftail		2			L				The reserve is an important home for this least concern bird species, although not a focus of species conservation.
Others											
CHORDATA / MAMMALIA	buselaphus	hartebeest					L				The reserve is an important home for this least concern species, although not a focus of species conservation.
CHORDATA / MAMMALIA	Antidorcas marsupialis	springbok					L				The reserve is an important home for this least concern species, although not a focus of species conservation.
CHORDATA / MAMMALIA	Caracal caracal	Caracal					L				The reserve is an important home for this least concern species, although not a focus of species conservation.
MAMMALIA	Equus zebra	Mountain Zebra; Cape mountain zebra	Ø000				V	ı 🗆			The reserve is an important home for this vulnerable species
CHORDATA / MAMMALIA	Hippotragus equinus						L				The reserve is an important home for this least concern species, although not a focus of species conservation.
CHORDATA / MAMMALIA	Hippotragus niger	sable antelope		V			L				The reserve is an important home for this least concern species, although not a focus of species conservation.
CHORDATA / MAMMALIA	Kobus ellipsiprymnus	waterbuck					L				The reserve is an important home for this least concern species, although not a focus of species conservation.
CHORDATA / MAMMALIA	Ourebia ourebi	oribi					L				The reserve is an important home for this least concern species, although not a focus of species conservation.

Phylum	Scientific name	Common name	Species qualifies under criterion	under	op. Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
CHORDATA / MAMMALIA	Panthera pardus	Leopard	Ø000				W	√			The reserve is an important home for this vulnerable species
MAMMALIA		Aardwolf					LC				The reserve is an important home for this least concern species, although not a focus of species conservation.
MAMMAI IA	campestris	steenbok					LC				The reserve is an important home for this least concern species, although not a focus of species conservation.
	tulvorutula	mountain reedbuck	Ø000				EN				The reserve provides a home for this endangered species
MAMMALIA	grimmia	bush duiker					LC				The reserve is an important home for this least concern species, although not a focus of species conservation.
CHORDATA / MAMMALIA	Tragelaphus strepsiceros	greater kudu					LC				The reserve is an important home for this least concern species, although not a focus of species conservation.
Percentage	of the total biogeograp	ohic population at the	site								

3.4 - Ecological communities whose presence relates to the international importance of the site

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Bulbostylis burchellii - Themeda triandra Short Open Grassland			
Englerophytum magalismontanum - Ancylobotrys capensis Tall Open Shrubland		This community is generally confined to the steep northern and north eastern slopes of the reserve and extends onto the banks of the deeply in-sized ravines, characteristic of the northern face of the Magaliesberg.	
Eragrostis nindensis - Cyperus rupestris Short Open Grassland		The largest part of the summit plateau and the south western brim of the central viel area is covered by this community. It is situated on the warm, dry northeastern and southeastern gentle and relative flat slopes on the reserve.	
Tristachya biseriata -Protea caffra Short Sparse Woodland		This community is spread on the slopes of the valley between the summit and the eastern range of quartzite ridges running through the reserve. The Tristachya biseriata - Protea caffra Short Sparse Woodland is confined to the shallow Glenrosa soils on the	
Optional text box to provide further information			
•			

4 - What is the Site like? (Ecological character description)

4.1 - Ecological character

The reserve is situated on the summit, eastern slopes and foothills of the Magaliesberg . Two distinct geomorphological regions can be distinguished on the reserve; the high-lying plateaus and the low-lying valleys. The high-lying plateau contains a flat, convex area of exposed quartzite, at an altitude of 1 500 m - 1 650 m. This high-lying plateau descents southwards into a basin of deep alluvial soil and marsh land which forms the largest natural wetland on the Magaliesberg. The wetland is at altitudes 1 425 m - 1 440 m. The brim emerges at altitudes of 1 440 m in the south and at 1 500 m in the north, east and west.

4.2 - What wetland type(s) are in the site?

Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> Mt Permanent rivers/ streams/ creeks	Kgaswane	2	488	Representative

Other non-wetland habital

Other non-wetland habitats within the site	Area (ha) if known
Moot Plains Bushveld which is vulnerable	152
The Gold Reef Mountain Bushveld	4200
Northern Afrotemperate	67

(ECD) Habitat connectivity

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

outer meterrorary plant operat				
Scientific name	Common name	Position in range / endemism / other		
Protea caffra	proteas	rare		
Themeda triandra	red grass			

Invasive alien plant species

Scientific name	Common name	Impacts	
Campuloclinium macrocephalum	Pompom	Actually (major impacts)	No change
Eucalyptus globulus	blue gum	Actually (minor impacts)	No change
Lantana camara	Lantana	Actually (major impacts)	No change

Ontional	toxt l	hovto	provido	further	information
Optional	IEXI I	DOX IO	provide	iui ii iei	information

4	3	2	- 1	٩ni	ma	Isn	ecies

Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATAMAMMALIA	Aepyceros melampus	impala	120	20	50	LC
CHORDATAMAMMALIA	Hippotragus niger niger	sable antelope	40	20	55	LC
CHORDATAMAMMALIA	Oreotragus oreotragus	klipspringer	8	20	10	LC
CHORDATA/MAMMALIA	Taurotragus oryx	eland	80	25	60	LC

Optional text box to provide further information

There are no invasive alien animal species

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
B: Dry climate	BSh: Subtropical steppe (Low-latitude dry)

Since 2009, the rainfall has been above average and could potentially be linked to better foraging conditions that are allowing the sable population to be stable again. Rainfall was again below average for 2013 (559 mm) and 2014 (556 mm). The regional climate where Kgaswane Mountain Reserve lies is a warm – temperate with summer rainfall and dry winters.

4.4.2 - Geomorphic sett	ing			
a) Mnimum elevation ab	ove sea level (in metres)	1200		
a) Maximum elevation ab	ove sea level (in	4000	_	
	metres)	1680		
			iver basin 🗆	
		Upper part of ri	_	
		Middle part of ri	_	
		Lower part of ri	_	
			iver basin	
		Nothin	Coastal	
Please name the river basin	or basins. If the s	site lies in a sub-		name the larger river basin. For a coastal/marine site, please name the sea or ocean.
Waterkloofspruit				
4.4.3 - Soil				
+.4.3 - 3011			Mneral ☑	
			Organic 🗹	
		No available in	_	
Are soil types subject to o	rhange as a resu			
condition	ns (e.g., increase	ed salinity or acidi	ification)?	⊅ ®
Please provide further inform	nation on the soil	(optional)		
				of varying size and composition with regards to plant growth. Soil interacts with I effects and provides it with water, nutrients and oxygen, as well as all
				oil primarily influences plant nutrition, while its physical characteristics' plays a
crucial role in plant wat	er supply.			
4.4.4 - Water regime				
Nater permanence				
Presence? Usually permanent water				
present	No chan	ge		
Source of water that maintains	character of the	site		
Presence? Water inputs from	Predominant wa	iter source		
groundwater	L		No change	
Nater destination				
Presence?	No obon			
To downstream catchment	No chan	ge		
Stability of water regime Presence?				
Water levels fluctuating	No chan	ige		
(including tidal)				
Please add any comments of	n the water regin	ne and its determ	inants (if relevant). U	Jse this box to explain sites with complex hydrology.
(ECD) Connectivity of surface	ne waters and of			
Connectivity of Sunat	groundwater			
(ECD) Stratification and	d mixing regime			
4.4.5 - Sediment regime	9			
Significa	ant erosion of se	diments occurs o	on the site 🗹	
Significant accretion or	deposition of se	diments occurs o	on the site 🗹	
Significant transportation	of sediments oc	curs on or throug	\mathfrak{g} h the site \square	
Sediment regime is highly	variable, either s	easonally or inter	r-annually 🗆	
	5	Sediment regime	unknown	
4.4.6 - Water pH				
+.+.0 - vval o i μΠ			1(n)1<5 5)	
	_		I (pH<5.5)	
	C	ircumneutral (pH		
		Arkaline	e (pH>7.4) 🔲	

		Unknown 🗆
		5
4.4.7 - Water salinity		
		Fresh (<0.5 g/l)
	Mxohaline (brackish)/Mxosa	line (0.5-30 g/l)
	Euhaline/Eusa	aline (30-40 g/l)
	Hyperhaline/Hyper	rsaline (>40 g/l)
		Unknown
4.4.8 Dissahad as	enonded putrients in	tor
4.4.8 - Dissolved or sus	pended nutrients in wa	_
		Eutrophic
		Mesotrophic
		Oligotrophic
		Dystrophic
		Unknown 🗹
4.4.9 - Features of the	surrounding area which	may affect the Site
	and if so how, the landscape	-
		e differ from the i) broadly similar (site itself:
Surrounding ar	ea has greater urbanisation o	or development 🗹
Surrounding	g area has higher human pop	oulation density 🗹
Surround	ing area has more intensive a	agricultural use 🔲
Surrounding area has sig	nificantly different land cover	or habitat types
	in which the surrounding are	
		dustrialization and mining. H
population around the		
4.5 - Ecosystem s	ervices	
, , , , , , , , , , , , , , , , , , , ,		
4.5.1 - Ecosystem serv	ices/benefits	
Provisioning Services		Importance/Extent/Significance
-	Examples Drinking water for humans	Importance/Extent/Significance
Provisioning Services Ecosystem service	Examples	Importance/Extent/Significance High
Provisioning Services Ecosystem service Fresh water Regulating Services	Examples Drinking water for humans and/or livestock	High
Provisioning Services Ecosystem service Fresh water Regulating Services Ecosystem service	Examples Drinking water for humans and/or livestock Examples	High Importance/Extent/Significance
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Provisioning Services Ecosystem service Fresh water Regulating Services Ecosystem service Maintenance of hydrological	Examples Drinking water for humans and/or livestock Examples Groundwater recharge and	High Importance/Extent/Significance High
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Provisioning Services Ecosystem service Fresh water Regulating Services Ecosystem service Maintenance of hydrological regimes Erosion protection Cultural Services Ecosystem service Recreation and tourism	Examples Drinking water for humans and/or livestock Examples Groundwater recharge and discharge Soil, sediment and nutrient retention Examples Picnics, outings, touring	High Importance/Extent/Significance High Medium Importance/Extent/Significance High
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Provisioning Services Ecosystem service Fresh water Regulating Services Ecosystem service Maintenance of hydrological regimes Erosion protection Cultural Services Ecosystem service Recreation and tourism Spiritual and inspirational Scientific and educational	Examples Drinking water for humans and/or livestock Examples Groundwater recharge and discharge Soil, sediment and nutrient retention Examples Picnics, outings, touring Cultural heritage (historical and archaeological) Important knowledge systems, importance for research (scientific reference area or site)	High Importance/Extent/Significance High Medium Importance/Extent/Significance High Medium High
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Provisioning Services	Examples Drinking water for humans and/or livestock Examples Groundwater recharge and discharge Soil, sediment and nutrient retention Examples Picnics, outings, touring Cultural heritage (historical and archaeological) Important knowledge systems, importance for research (scientific reference area or site) Examples Supports a variety of all life forms including plants, animals and microorganizms, the genes they contain, and the ecosystems of which they form a part	High Importance/Extent/Significance High Medium Importance/Extent/Significance High Medium High Importance/Extent/Significance
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Provisioning Services	Examples Drinking water for humans and/or livestock Examples Groundwater recharge and discharge Soil, sediment and nutrient retention Examples Picnics, outings, touring Cultural heritage (historical and archaeological) Important knowledge systems, importance for research (scientific reference area or site) Examples Supports a variety of all life forms including plants, animals and microorganizms, the genes they contain, and the ecosystems of which they form a part urther information not included above:	High Importance/Extent/Significance High Medium Importance/Extent/Significance High Medium High Importance/Extent/Significance
Provisioning Services	Examples Drinking water for humans and/or livestock Examples Groundwater recharge and discharge Soil, sediment and nutrient retention Examples Picnics, outings, touring Cultural heritage (historical and archaeological) Important knowledge systems, importance for research (scientific reference area or site) Examples Supports a variety of all life forms including plants, animals and microorganizms, the genes they contain, and the ecosystems of which they form a part	High Importance/Extent/Significance High Medium Importance/Extent/Significance High Medium High Importance/Extent/Significance

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site?

No ○ Unknown ○

Where economic studies or assessments of emay be located (e.g. website links, citation of p	economic valuation have been undertaken at the site, it would be helpful to provide information on where the results of such studies ublished literature):
Studies are conducted internally regu	ularly and can be made available upon request
1.5.2 - Social and cultural values	
i) the site provides a model of wetland wis application of traditional knowledge and met use that maintain the ecologica	nods of management and \square
ii) the site has exceptional cultural tradicivilizations that have influenced the ecological	
iii) the ecological character of the wetland of with local communities	depends on its interaction are so indigenous peoples
Description if applicable	
Local communities collect water from	n the reserve for religious, spiritual and cultural purposes.
iv) relevant non-material values such as sac their existence is strongly linked with the main	·
4.6 - Ecological processes	
(ECD) Primary production	
(ECD) Nutrient cycling	
(ECD) Carbon cycling	

5 - How is the Site managed? (Conservation and management)

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

	P					
Public ownership						
Category	Within the Ramsar Site	In the surrounding area				
Provincial/region/state government	✓	✓				
Private ownership						
Category	Within the Ramsar Site	In the surrounding area				
Other types of private/individual owner(s)		✓				
Other						
Category	Within the Ramsar Site	In the surrounding area				
No information available	✓	✓				
5.1.2 - Management authority						
Please list the local office	ce / offices of any North We	est Parks Board				

E-mail address: idah@nwpb.org.za 5.2 - Ecological character threats and responses (Management)

Postal address: Protea Park 0305

P O Box 20382

5.2.1 - Factors (actual or likely) adversely affecting the Site's ecological character

Actual threat

Low impact

Human settlements (non agricultural)

Factors adversely

affecting site
Tourism and recreation

agency or organization responsible for

Provide the name and title of the person or

people with responsibility for the wetland:

managing the site:

Water regulation								
Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area				
Canalisation and river regulation	Low impact	Low impact		2				

Potential threat

unknown impact

Within the site

 \checkmark

In the surrounding area

IDAH MAROO, RESERVE MANAGER

Agriculture and aquaculture

9				
Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Non specified	Low impact	Low impact	✓	

Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Unspecified	Low impact	Low impact	✓	

Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Utility and service lines (e.g., pipelines)	Low impact	Low impact	4	

Biological resource use

Factors adversely affecting site	Actual threat		Within the site	In the surrounding area
Unspecified	unknown impact	unknown impact	✓	

Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area	
Recreational and tourism activities	Medium impact	Low impact	✓		
Natural system modifications					
Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area	
Fire and fire suppression	High impact	High impact	✓		
nvasive and other problemati	c species and genes				
Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area	
Invasive non-native/alien species	High impact	High impact	/	✓	
Pollution					
Factors adversely		Potential threat	Within the site	In the surrounding area	
affecting site	Actual threat	Potential trireat	TTICHIN CHO OILO	in the surrounding area	
	Actual threat Low impact	Low impact		₩ W	
affecting site Unspecified	7 10 111 111 111 111 111 111 111 111 111				
affecting site	7 10 111 111 111 111 111 111 111 111 111		Within the site		
affecting site Unspecified Geological events Factors adversely	Low impact	Low impact		Ø	
affecting site Unspecified Geological events Factors adversely affecting site	Low impact Actual threat	Low impact Potential threat	Within the site	Ø	
affecting site Unspecified Geological events Factors adversely affecting site	Low impact Actual threat Low impact	Low impact Potential threat	Within the site	Ø	
affecting site Unspecified Geological events Factors adversely affecting site Unspecified	Low impact Actual threat Low impact	Low impact Potential threat	Within the site	Ø	

5.2.2 - Legal conservation status

Global legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
UNESCO Biosphere Reserve	Magaliesberg Biosphere Reserve	https://www.sa-venues.com/game-r eserves/magaliesberg-biosphere-r eserve.php	partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
NEMPAA	Kgaswane Mountain Reserve		whole

5.2.3 - IUCN protected areas categories (2008)

la Strict Nature Reserve L
Ib Wilderness Area: protected area managed mainly for wilderness protection
Il National Park: protected area managed mainly for ecosystem protection and recreation
II Natural Monument: protected area managed mainly for conservation of specific natural features
V Habitat/Species Management Area: protected area managed mainly for conservation through management intervention
V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation
M Managed Resource Protected Area: protected area managed mainly

5.2.4 - Key conservation measures

Legal protection

20ga. p. otobao		
Measures	Status	
Legal protection	Implemented	

Habitat

Habitat		
Measures	Status	
Catchment management initiatives/controls	Implemented	

Species

Operacs -		
Measures	Status	
Control of invasive alien plants	Implemented	

Human Activities

Measures	Status
Regulation/management of recreational activities	Implemented
Communication, education, and participation and awareness activities	Partially implemented

5.2.5 - Management planning

Is there a site-specific management plan for the site? No

Has a management effectiveness assessment been undertaken for the site? Yes **②** No O

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning Yes O No

processes with another Contracting Party?

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? Yes, there is a plan

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Plant species	Implemented
Birds	Implemented
Animal species (please specify)	Implemented
Water quality	Implemented

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Carruthers V.1990. The Magaliesberg. Southern Book Publishers. Johannesburg.

Coetzee B. J. 1975. Phytosociological classification of Rustenburg Nature Reserve. Bothalia Volume 11: 561 - 580.

Mucina L and Rutherford M. C. 2006. The vegetation of South Africa, Lesotho and Swaziland. (Eds.) Strelitzia 19. South African Biodiversity Institute, Pretoria, South Africa.

Nel H. P. 2000. Ecological management objectives and monitoring procedures for Rustenburg Nature Reserve, North West Province. MSc Thesis, University of Pretoria, Pretoria, South Africa.

Parrini F. 2006. Nutritional and Social Ecology of Sable Antelope in a Magaliesberg Nature Reserve. Ph.D. thesis, University of Witwatersrand, Johannesburg, South Africa.

Tshenkeng P. P. 2017. Possible predictors of sable antelope (Hippotragus niger) decline in Kgaswane Mountain Reserve. MSc. Thesis, University of Witwatersrand, Johannesburg, South Africa.

Tshenkeng P. 2017. KMR Ecological Status Report 2017. Ecological Services, North West Parks and Tourism Board, Rustenburg.

6.1.2 - Additional reports and documents

i. taxonomic lists of plant and animal species occurring in the site (see section 4.3)

<no file available>

ii. a detailed Ecological Character Description (ECD) (in a national format)

<no file available>

iii. a description of the site in a national or regional wetland inventory

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<1 file(s) uploaded>

vi. other published literature

<3 file(s) uploaded>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site



Collaring of Sable Antelope (Phenya Tshenkeng, 29-07-2015)



Viei, Kgaswane Mountain Reserve (*Phenya Tshenkeng, 01-04-2011*



Kgaswane (Idah Maroo, 18-02-2019)



Eland, Kgaswane Mountain Reserve (*Idah Maroo, 18-*02-2019)



Frithia pulchra, Kgaswane Mountain Reserve (*Idah Maroo, 18-02-2019*)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 2019-03-29