



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

Ref: O2/1/5/2

NATIONAL ASSEMBLY

(For written reply)

QUESTION NO. 1893 {NW2229E}

INTERNAL QUESTION PAPER NO. 17 of 2022

DATE OF PUBLICATION: 13 May 2022

Mrs C Phillips (DA) to ask the Minister of Forestry, Fisheries and the Environment:

- (1) Whether all animal-related research and/or management projects within SA National Parks are subject to a review by an animal ethics review committee and/or any relevant committee; if not, why not; if so, (a) what is the composition of the committee in terms of (i) size, (ii) member affiliations and (iii) qualifications and (b) how often do the meetings of the specified committee take place;
- (2) what are the details of all animal-related research and/or animal management related projects approved in (a) 2017, (b) 2018, (c) 2019, (d) 2020 and (e) 2021?

1893. THE MINISTER OF FORESTRY, FISHERIES AND THE ENVIRONMENT REPLIES:

- 1) (a) All research projects conducted at SANParks that involve animals used for research purposes are subject to ethics evaluation and approval by the SANParks Animal Use and Care Committee (AUCC).
 - i. The Committee has a minimum of five individuals who collectively have the ethical and scientific background and expertise to review ethics applications competently.
 - ii. The following are the details of the committee members:
 - Dr Peter Buss BVSc, MMedVet, PhD – Veterinary Wildlife Services, SANParks.

- Prof Tshepo Matjila BSc, MSc, PhD – Head of Department: Tropical Diseases, Faculty of Veterinary Science, University of Pretoria
- Dr Alison Lubisi BVMCh, MSc – Director: Agriculture Research Council, Onderstepoort Veterinary Institute
- Erik Bornman DVN – Manager National Inspector NSPCA Animal Ethics Unit
- Lebo Sentle B-Tech (Veterinary Technology, Pharmaceutical Sciences, Project Management) – Manager NSPCA Animal Ethics Unit
- Dr Siphon Buthelezi – Research Information Manager, Health and Welfare Sector Education and Training Authority
- Dr Lufuno Netshitavhadulu BVSc – SANParks

iii. See answer above.

iv. The committee meets four times a year, however, it can meet on special occasions depending on the need.

2) (a)(b)(c)(d)(e)

Below is a list of all approved research projects in the specified years:

Approved Research Projects

Year	Research Project Title
2017	
	Evaluating climate-forced extinctions of Kalahari lizards
	SANParks' SOP for the Capture, Transportation and Maintenance in Holding Facilities of Wildlife
	Cardiopulmonary effects of ketamine-azaperone-medetomidine and ketamine-midazolam-medetomidine drug combinations used to immobilise zebra (<i>Equus spp.</i>)
	Estimating abundance and distribution of the Knysna seahorse, <i>Hippocampus capensis</i> (Boulenger 1900) in the Swartvlei estuary and determining the effects of estuary breaching events on survival and persistence
	SANParks' SOP for the Lethal Management of Wildlife in South African National Parks
	Knysna seahorse status (KySS) project – extended
	Comparative analysis of bat communities and the role of fruit bats in Baobab and Sausage tree pollination in two protected areas (Venetia Nature Reserve and

	Mapungubwe National Park) in the Limpopo Valley
	Pharmacological management of stress and its pathophysiological consequences during the transport of free-ranging white rhinoceros (<i>Ceratotherium simum</i>)
	Ecology and dietary niche of the yellow-billed oxpecker (<i>Buphagus africanus</i>) in the Kruger National Park
	Risk and reward through the eyes of a predator
	Knysna Seahorse Status (KySS) Project: Extended (Addendum)
	Pilot study to explore the effect of habitat type on small mammal host and parasite diversity and species composition
	Evaluation of efficacy of oral bait vaccine Raboral V-RG for the use in black-backed jackals (<i>Canis mesomelas</i>) in South Africa
2018	
	The spatial extent and scale of elephant impacts on faunal diversity in the South Eastern Kruger National Park
	Monitoring mammal and invertebrate species responses in recovering fynbos after clear-felling of commercial pine plantations
	Removal of satellite harnesses from nine Southern Ground Hornbill in the Kruger National Park
	Disease surveillance for mycobacterial infection (<i>M. tuberculosis</i> , <i>M. bovis</i>) in African elephants
	Measuring baboon management on the urban edge
	Respiratory gas flow characteristics of trunk versus tracheal intubated spontaneously breathing African elephants (<i>Loxodonta africana</i>)
	Fisheries induced evolution in fish physiology – implications for climate change adaptation
	Conservation genomics of the endangered Knysna seahorse, <i>Hippocampus capensis</i> : Past, present and future
	Long-term monitoring of fynbos species composition and bird populations in the Nature's Valley region of the Garden Route National Park
	Surveillance of rodents' haemosporidians in the lowveld ecoregion of South Africa
	Determining energy expenditure and behaviour in lions to promote a better understanding of their management
	Use of metabarcoding in ecological studies of mammalian carnivores

	The effect of habitat fragmentation on the faunal diversity of Eastern Cape forests
	SnapshotSafariSA – Subproject: An assessment of the effectiveness of different methods in assessing mammalian biodiversity under different land tenure
	Vocal dialects of African savannah elephants within and across populations
	Microplastic pollution of the Knysna Estuary – impacts on Syngnathids
	Hinge back tortoise (<i>Kinyxys spp.</i>) ecology and habitat utilisation in the Kruger National Park.
2019	
	Algoa Bay Damara Tern population monitoring
	Ecological role, reproduction and life history patterns of a non-indigenous <i>Diopatra</i> species in the Knysna Estuary
	Vaccination of African buffalo against Bovine Tuberculosis
	Factors influencing the diet of an insectivorous bat species, the endemic Cape horseshoe bat (<i>Rhinolophidae: Rhinolophus capensis</i>)
	The role of hippopotamus as ecosystem engineers in the lower Olifants River in the Kruger National Park, South Africa
	An investigation into the movement and behaviour of white sharks (<i>Carcharodon carcharias</i>) within the Bird Island MPA with the commencement of white shark cage diving
	Automated penguin monitoring systems: A resource management tool to mitigate threats to African penguins in Algoa Bay
	Addendum: Conservation ecology of cetaceans in the Cape Peninsula regions
	Ensuring the survival of iconic species on Table Mountain
	Addendum: Investigating the biodiversity, gene flow and dispersal capabilities of reptiles in Table National Park
	Population dynamics African Penguin transponders
	Evaluation of efficacy of oral bait vaccine Raboral V-RG for the use in black-backed jackals in South Africa
	OTS – Learning programme application, Organisation for Tropical Studies, African Ecology and Conservation
	African penguin Artificial Nest Project
2020	

	Genetics tusk variation Addo National Park
	Electrical impedance tomography (EIT) as instant diagnostic tool for tuberculosis in African elephants
	Morphological adaptation and patterns of speciation in South African chameleons
	Carp ecology on the Orange River
	Understanding the population ecology of martial eagles in the Kruger National Park
	Long-term monitoring of Southern Ground Hornbill (<i>Bucrocvus leadbeateri</i>): Using candling to assess egg viability and embryo age
	Evaluation of ketamine combined with medetomidine as an effective and safe immobilising drug combination for use in free-ranging lions
	Evaluation of cardiorespiratory, metabolic and immobilising effects of different drug combinations used to chemically capture white rhinoceros (<i>Ceratotherium simum</i>)
	Determining how to accurately measure blood oxygenation in immobilised white rhinoceros (<i>Ceratotherium simum</i>)
	Respiratory and cardiovascular responses in immobilised white rhinoceros (<i>Ceratotherium simum</i>) suspended by their limbs in dorsal recumbency and treatment of gas exchange impairment with salbutamol
2021	
	Coupled Macroparasite-Microparasite Interactions: Ecological and Evolutionary Consequences of Coinfection (Part 1)
	The distribution of non-native Nile Tilapia (<i>Oreochromis niloticus</i>) in the Limpopo and Incomati river basins
	Monitoring seabirds in South Africa
	Evaluation of the efficacy and safety of ketamine-medetomidine and ketamine-butorphanol-medetomidine for the immobilisation of free-living lions
	Pharmacological management of stress and its pathophysiological consequences during the transport of free-ranging rhinoceros
	Assessing the breeding success of White-fronted Plovers and African Oystercatchers on two high tourism beaches of the South Coast, South Africa
	The Transboundary Elephant Research Programme in the Great Limpopo Transfrontier Park, South Africa
	Investigating a novel approach of deploying satellite trackers on the common hippopotamus (a pilot study)

	Investigating the micro and macro parasite assemblage of the puffadder shyshark <i>Haploblepharus edwardsii</i> on the South coast of South Africa over the past 10 years
	The effects of climate and anthropogenic change on bat communities of the Drakensberg Afromontane Grasslands
2022	
	Leadership and decision-making in established and reintroduced packs of African wild dogs (<i>Lycaon pictus</i>)
	Kruger National Park frogs and their parasites
	Early detection and rapid response to illegal trade-related wildlife poisoning through the Kruger National Park and Great Limpopo Transfrontier landscape
	Monitoring native and alien mammal populations in Table Mountain National Park

Regards



MS B D CREECY, MP
MINISTER OF FORESTRY, FISHERIES AND THE ENVIRONMENT

DATE: 27/5/2022