

**Avifauna Compliance**  
**Statement**

**REMOVAL AND REPLACEMENT OF VARIOUS  
EXISTING CULVERTS AND PIPES IN THE GARDEN  
ROUTE, WESTERN CAPE**

# 1 REPORT INFORMATION

---

**PROJECT TITLE:** PROPOSED REMOVAL AND REPLACEMENT OF VARIOUS EXISTING CULVERTS AND PIPES IN THE GARDEN ROUTE, WESTERN CAPE

**STUDY NAME:** Garden Route Avifauna- Mossel Bay Municipality

**COMPILED BY:** MORA Ecological Services (Pty) Ltd  
350 Johan Street, Arcadia, Pretoria, 0007  
T: (081) 410 3763; E: info@moraecological.co.za

**AUTHOR/S:** Mokgatla Molepo, MSc.; *Pr. Sci. Nat.*  
SACNASP Reg. No.: 009509

**DATE OF REPORT:** 13 November 2023

**REPORT STATUS:** Draft Report

**REPORT NUMBER:** GRAV/MORA\_001

## 2 EXECUTIVE SUMMARY

---

### Background

EnviroWorks has been appointed as the Environmental Assessment Practitioner to conduct the Environmental Impact Assessment process for the proposed removal and replacement of the existing culverts and pipes on site 4 (DR1633) and 8 (DR1602) within Mossel Bay Local Municipality in the Western Cape.

Following the results of the screening tool report obtained from the Department of Forestry, Fisheries and Environment, about three bird species were identified as being of high sensitivity. This triggered the need for an avifaunal assessment.

However, due to the existing infrastructure and proposed infrastructure, an avifaunal compliance statement was deemed necessary for this project.

MORA Ecological Services (Pty) Ltd was appointed as the independent specialist to conduct the avifauna assessment for the abovementioned scope of work.

Fieldwork was conducted on 29<sup>th</sup> of October 2023.

### Findings

- No sensitive avifaunal species were recorded on the proposed site.
- No severe impacts are anticipated from avifaunal perspective due to the existing culverts.

### Conclusions



- The proposed removal and replacement of culverts and pipes will be located on already disturbed areas, and anticipated avifaunal impacts are predicted to be Low.

### Recommendations

- Contractor should adhere to the recommendations provided within the EMPr.
- Construction activities should be restricted to the project area.
- No fires should be made around the site.
- It is the opinion of the specialist that this application be considered.

### 3 REVIEW & APPROVAL

---

Name	Title	Signature	Date
<b>Mokgatla Molepo</b>	Avifaunal Specialist & Author (MORA Ecological Services)		<b>13/11/2023</b>
<b>Megan Smith</b>	Environmental Assessment Practitioner (EnviroWorks)		16/11/2023

### 4 ACKNOWLEDGMENTS

---

The authors would like to acknowledge and thank Municipality, EnviroWorks and other role players for their assistance with project information.

## 5 EXPERTISE OF THE SPECIALIST

---

### Expertise of Author

Qualifications & Expertise in: Avifauna, Terrestrial Ecology, Aquatic Ecology.

- MSc); BSc Hons, BSc.
- Registered with South African Council for Natural Scientific Professions (SACNASP) since 1991. Registration number: 009509
- Deputy Chairperson for SACNASP Professional Advisory Committee.
- Member of Birds and Renewable Energy Specialist Group
- Has conducted hundreds of field investigations and compiled over 50 of technical specialist reports for EIAs,
- Projects involved in include power lines, roads, quarries, housing developments, mines, solar and wind farms.

### Declaration

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) and the 2014 NEMA Environmental Impact Assessment (EIA) Regulations (as amended on 7 April 2017).

I, **Mokgatla Molepo**, do hereby declare that I:

- Act as an independent specialist in compiling this report;
- Do not have any financial interests, or stand to gain in any way in the undertaking of this activity, other than remuneration for work performed;
- Do not have, nor will have, any vested interest in the proceeding activity or project;
- Have no, neither will engage in, conflicting interests in the undertaking of this activity;
- Undertake to disclose, to the competent authority, any material information that has, or may have, the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required; and
- Will provide competent authority access to my information regarding the report and investigations, whether such information is favourable to the applicant or not.

**TABLE OF CONTENTS**

**1 REPORT INFORMATION.....2**

**2 EXECUTIVE SUMMARY .....3**

Background ..... 3

Findings ..... 3

Conclusions..... 3

Recommendations..... 3

**3 REVIEW & APPROVAL .....4**

**4 ACKNOWLEDGMENTS .....4**

**5 EXPERTISE OF THE SPECIALIST .....5**

Expertise of Author.....5

Declaration .....5

**TABLE OF CONTENTS .....6**

**6.1 Project overview ..... 1**

**6.2 Purpose of the Study ..... 1**

**6.3 Assumptions and Limitations ..... 1**

**6.4 Desktop Assessment .....2**

**6.5 Study Site Location .....2**

**6.6 Fieldwork .....3**

**7 CONCLUSIONS & RECOMMENDATIONS .....6**

**7.1 Conclusions .....6**

**7.2 Recommendations.....6**

**8 REFERENCES.....7**

**9 APPENDICES.....8**

<b>9.1. SPECIALIST DETAILS AND CURRICULUM VITAE, .....</b>	<b>8</b>
<b>Curriculum Vitae .....</b>	<b>8</b>
<b>Key Experience In Specialist Projects .....</b>	<b>9</b>
<b>9.2 SABAP2.....</b>	<b>12</b>

## **6 BACKGROUND**

---

### **6.1 Project overview**

Mossel Bay Local Municipality intends to remove and replace existing culverts and pipes that have been damaged on two sites: site 4 (DR1633) and 8 (DR1602) within Mossel Bay Local Municipality in the Western Cape.

Three bird species which are considered highly sensitive were identified by the Department of Forestry, Fisheries and Environment (DFFE) Screening Tool Report. MORA Ecological Services (Pty) Ltd was then appointed as the independent specialist to conduct a brief avifauna survey and compile a compliance statement. Fieldwork was conducted on the 29<sup>th</sup> of October 2023.

### **6.2 Purpose of the Study**

The purpose of the study was to determine any sensitive bird species and their habitats around the proposed damaged culverts that require repair and replacement including pipes.

### **6.3 Assumptions and Limitations**

The assumptions and limitations for the assessment are as follows:

- All information regarding the proposed project and related activities as provided by the Client are taken to be accurate;
- Fieldwork was limited to the proposed project footprint.

## 6.4 Desktop Assessment

All previous specialist studies, DFFE Screening Tool Report and SABAP2 data related to the project were utilised as background information for the study, prior to conducting the fieldwork.

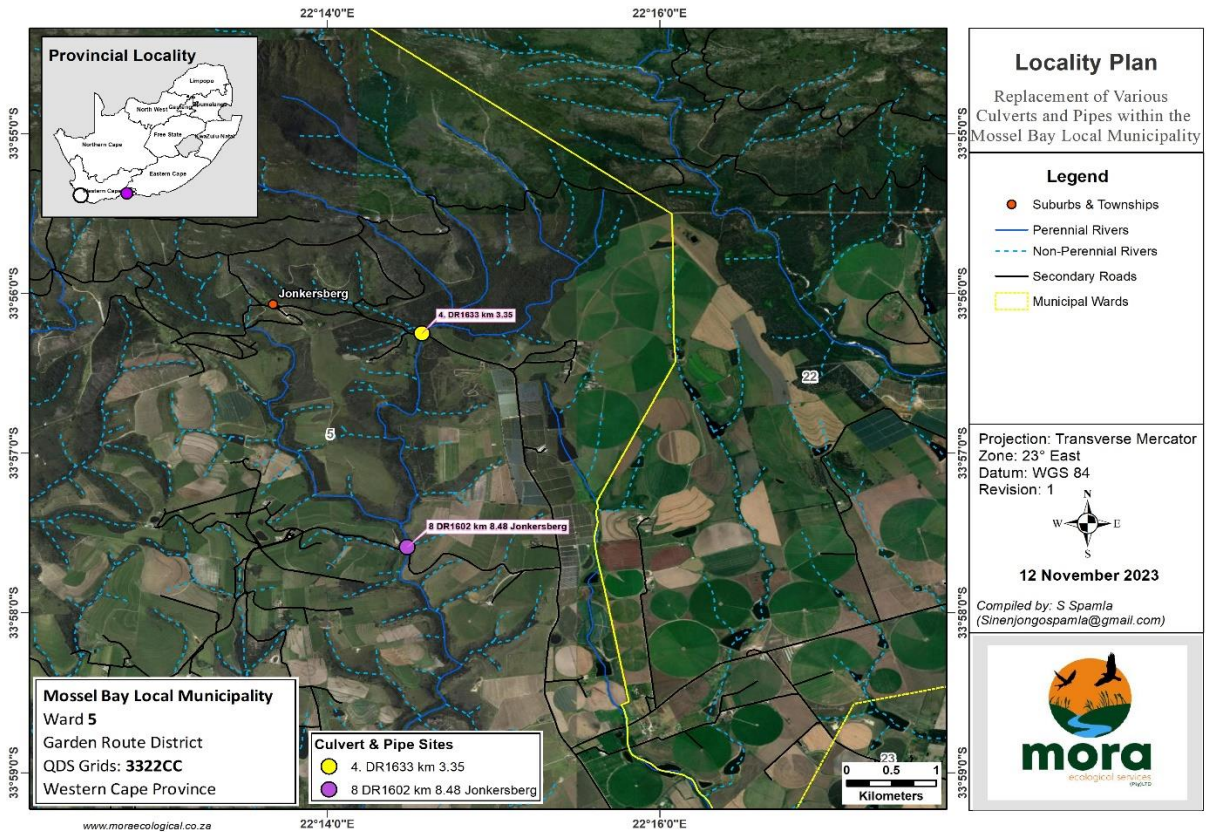
Sensitive avifaunal species that are likely to occur around the site (DFFE Screening Tool, 2023).

**Table 1: Highly Sensitive Species (DR1633) and (DR1602).**

Species	Common name	IUCN	Likelihood of occurrence
<i>Bradypterus sylvaticus</i>	Knysna Warbler	Vulnerable	Medium
<i>Circus ranivorus</i>	African Marsh Harrier	Endangered	Low
<i>Neotis denhami</i>	Denham's Bustard	Vulnerable	Very Low

## 6.5 Study Site Location

The sites are located on Jonkersberg and Kleinplaas roads, within Mossel Bay Local Municipality in the Western Cape (Figure 1). In terms of Conservation Plan, the site does not fall within any Critical Biodiversity Areas (Figure 2).



**Figure 1: Study Site.**

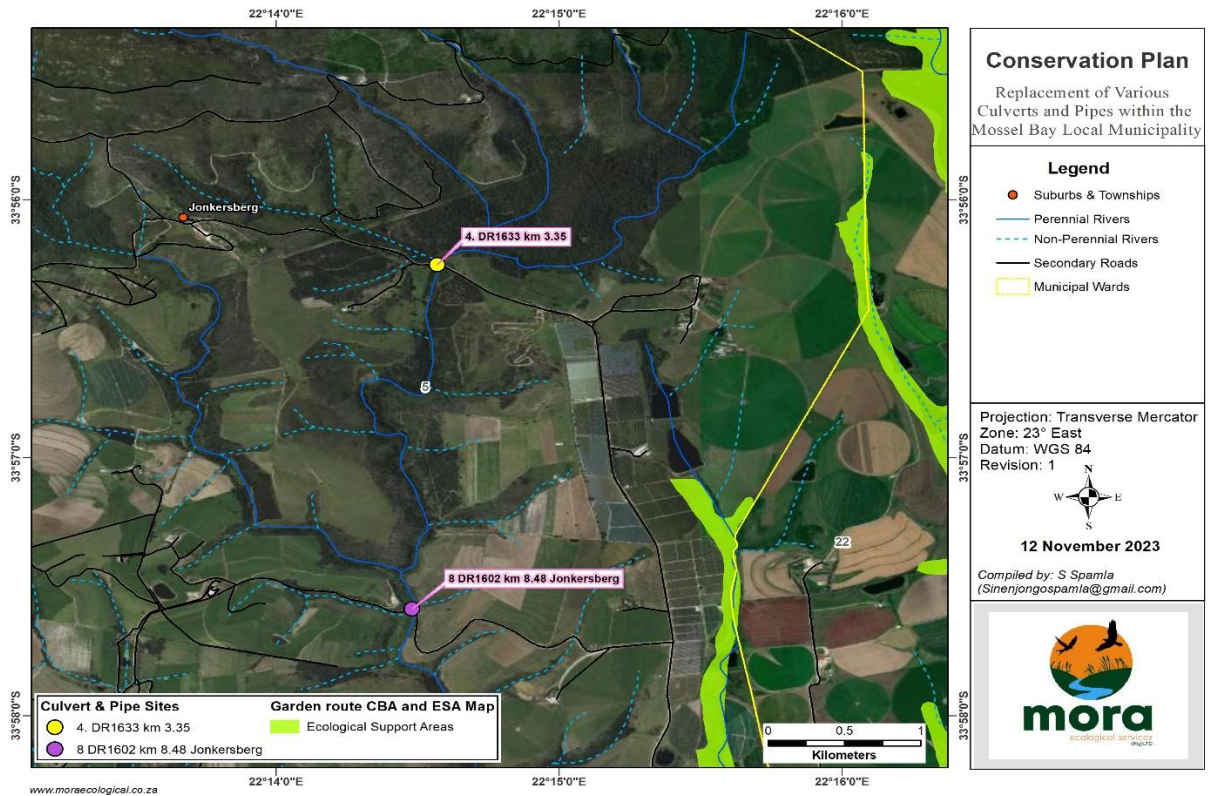


Figure 2: Conservation Plan.

## 6.6 Fieldwork

On site fieldwork was conducted in October 2023. Random walk through was undertaken around the existing and proposed culvert.

Duration: 01 hour

Season: Late Spring

The site falls within pentad 3355\_2210 of SABAP2.



Figure 3: Photographic records of the sites.



During the fieldwork, several bird species were observed and recorded (Table 2).

**Table 2: List of recorded bird species**

Common name	Species
Southern Red Bishop	<i>Euplectes orix</i>
Pied Crow	<i>Corvus albus</i>
Laughing Dove	<i>Spilopelia senegalensis</i>
Yellow Bishop	<i>Euplectes capensis</i>
Hadada Ibis	<i>Bostrychia hagedash</i>

## **7 CONCLUSIONS & RECOMMENDATIONS**

---

The conclusions of the study and fieldwork are as follows:

### **7.1 Conclusions**

- The proposed removal and replacement of culverts and pipes will be located on already disturbed areas, and anticipated avifaunal impacts are predicted to be Low.
- None of the identified sensitive bird species from DFFE screening tool report were observed on site.
- No habitats within the proposed project footprint are considered sensitive.

### **7.2 Recommendations**

- Contractor should adhere to the recommendations provided within the EMPr.
- Preserve as much of the natural habitat as possible during construction and operation to lessen the operational impacts and to reduce the irreversibility of impacts.
- Construction activities should be restricted to the project area.
- No fires should be made around the site.
- It is the opinion of the specialist that this application be considered.

## 8 REFERENCES

---

- Low, A.B. & G. Rebelo (eds). 1998. Vegetation of South Africa, Lesotho and Swaziland. Dept. Environmental Affairs and Tourism, Pretoria.
- Manning, J. 2009. Field Guide to Wild Flowers of South Africa. Struik, Cape Town.
- Mucina, L. & M.C. Rutherford (eds). 2006. The vegetation of South Africa, Lesotho and Swaziland. SANBI, Pretoria.
- Raimondo D., L. von Staden, W. Fonden, JE Victor, NA. Helme, RC. Turner, DA. Kamundi, PA. Manyama (eds). 2009. Red List of South African Plants. Strelitzia 25. SANBI. Pretoria.
- van Wyk, A-E. & S. Malan. 1988. Field guide to the wild flowers of the Witwatersrand and Pretoria region. Struik, Cape Town.

## 9 APPENDICES

---

### 9.1. SPECIALIST DETAILS AND CURRICULUM VITAE,

The surveys and assessment were undertaken by Mokgatla Jerry Molepo, a registered Ecologist and Director of MORA Ecological Services (Pty) Ltd.

#### Curriculum Vitae

##### EDUCATION:

- MSc Zoology, Nelson Mandela University (Percy FitzPatrick Institute of African Ornithology Centre of Excellence)

Research Project Topic: Foraging behaviour and thermal physiology in Cape Sugarbirds: sex-specific responses to temperature.

- BSc Honours in Zoology, University of Limpopo

Research Project Topic: Morphometrics and plumage variation in the South African Fiscal flycatcher *Sigelus silens* Shaw 1809.

- BSc Botany & Zoology, University of Venda
- Grade 12, Marobathota High School

##### CERTIFICATES:

- SASS5 Aquatic Biomonitoring, GroundTruth
- Hydropedology and Wetland Functioning, Terra Soil Science & Water Business Academy
- Section 21 (c) & (i) Water Use Authorisation Training, Department of Water and Sanitation
- Basic Project Management, Hudisa Business School

##### PROFESSIONAL MEMBERSHIP:

- South African Council for Natural Scientific Professions (SACNASP) – Professionally registered as Professional Natural Scientist. **Registration number:** 009509
- British Ecological Society (BES). **Membership number:** 1010709
- Zoological Society of Southern Africa (ZSSA). **Membership number:** 691

##### WORK EXPERIENCE:

- MORA Ecological Services (Pty) Ltd: April 2018 – Current, I am Biodiversity Specialist, and my duties include (i) Conducting Biodiversity, Aquatic Impact Assessments, Rehabilitation (ii) Compilation of specialist reports.
- Arcus Consulting: May - November 2017, I was a subcontracted avifaunal surveyor for the proposed Highlands Wind Energy Farm, Somerset East, Eastern Cape.
- Centre for African Conservation Ecology (ACE), Nelson Mandela University: 2015 - 2016, I was a field guide/ environmental educator. Responsibilities: taking school learners on trial walks inside the Nelson Mandela University Nature Reserve.
- South African National Biodiversity Institute (SANBI): May – December 2014, I was a Zoological Systematics Technician. Responsibilities: (i) Insect identification and curation,

and (ii) compiling the animal checklist of South Africa, (iii) Sourcing wildlife crime reports on endangered animals and plants for Barcode of Wildlife Project, (iv) Monitoring the bird population in the Botanical Garden.

- Department of Zoology, University of Venda: 2009 – 2013, I was a Research Assistant under Dr. T.C Munyai who was conducting a long-term research project which monitored the effects of climate change on biota and processes influencing ecosystem functioning and species diversity patterns.
- Percy FitzPatrick Institute of African Ornithology: March – April 2014, I was a Research Assistant under Dr. Rita Covas' Sociable Weaver Research Project. This is a long-term study which looks at the reproductive success of Sociable weavers at Benfontein Nature Reserve in Kimberley.

### Key Experience In Specialist Projects

Year	Project	Location:	Role(s)
2023	Biodiversity Studies for a proposed development on Farm Searles in Groot Brak	Groot Brak, Western Cape	Ecologist
2023	Biodiversity Studies for the proposed Vaal Special Economic Zone	Gauteng	Ecologist
2023	Avifaunal Study for the proposed 400kV Sorata-Tugela powerline	Free State & KwaZulu-Natal	Avifaunal Specialist/Ornithologist
2023	Faunal Study for the proposed 400kV Sorata-Tugela powerline	Free State & KwaZulu-Natal	Ecologist
2023	Avifaunal Assessment for the proposed 132kV Powerline for Aggeneys Solar	Aggeneys, Northern Cape	Ecologist
2023	Search and Rescue for Lichtenburg Solar PV	Lichtenburg, North West	Ecologist
2022	Preconstruction Avifaunal Monitoring for the proposed Ujekamanzi Wind Energy Farm	Amersfoot, Mpumalanga	Avifaunal Specialist/Ornithologist
2022	Preconstruction Avifaunal Monitoring for the proposed Phefumula Wind Energy Farm	Ermelo, Mpumalanga	Avifaunal Specialist/Ornithologist
2022	Preconstruction Avifaunal Monitoring for the proposed Indwe Wind Energy Farm	Indwe, Eastern Cape	Avifaunal Specialist/Ornithologist
2022	Preconstruction Avifaunal Monitoring for the proposed Biesiesvlei Wind Energy Farm	Smithsfield, Free State	Avifaunal Specialist/Ornithologist
2022	Avifaunal Impact Assessment for the proposed 400kV powerline between Juno and Aurora Substation	West Coast, Western Cape	Avifaunal Specialist/Ornithologist
2022	Avifaunal Impact Assessment for the proposed 400kV powerline between Aries and Aggeneys Substation	Northern Cape	Avifaunal Specialist/Ornithologist
2022	Avifaunal Impact Assessment for the proposed 132kV for Musina-Makhado Special Economic Zone North Site	Musina, Limpopo	Avifaunal Specialist/Ornithologist

2022	Avifaunal Impact Assessment for the proposed Khauta PV Solar including 44kV and 132kV Powerline	Welkom, Free State	Avifaunal Specialist/Ornithologist
2022	Avifaunal Impact Assessment for the proposed NAOS PV Solar including 132kV Powerline	Free State	Avifaunal Specialist/Ornithologist
2022	Preconstruction Avifaunal Assessment for the proposed Lichtenburg PV Solar including 132kV Powerline	Lichtenburg, North West	Avifaunal Specialist/Ornithologist
2022	Preconstruction Botanical Assessment for the proposed Lichtenburg PV Solar including 132kV Powerline	Lichtenburg, North West	Ecologist
2022	Biodiversity Assessment, Land Capability and Veld Condition Assessment for PPC Cement SA Slurry	Slurry, North West	Ecologist
2021	Avifaunal Impact Assessment for the proposed Upington-Aries 2x 400kV	Upington, Northern Cape	Avifaunal Specialist/Ornithologist
2021	Habitat Assessment Post Rehabilitation for PPC Cement SA Dwaalboom Factory	Dwaalboom, Limpopo	Ecologist
2021	Habitat Assessment Post Rehabilitation for Gibson Bay Wind Energy Farm	Humansdorp, Eastern Cape	Ecologist
2021	Wetland Rehabilitation for the sewer pipeline construction in Daveyton	Ekurhuleni East College Campus, Daveyton, Gauteng	Wetland Ecologist
2021	12 Months Wetland Rehabilitation Supervision for Ekangala Ext F Waterborne Sanitation Project	City of Tshwane Metropolitan Municipality, Ekangala, Gauteng	Aquatic Ecologist
2021	Bi-annual Aquatic Biomonitoring for Ekangala Ext F Waterborne Sanitation Project	City of Tshwane Metropolitan Municipality, Ekangala, Gauteng	Aquatic Ecologist
2021	12 Months Surface water and Groundwater monitoring for Ekangala Ext F Waterborne Sanitation Project	City of Tshwane Metropolitan Municipality, Ekangala, Gauteng	Aquatic Ecologist
2021	Estuarine Impact Assessments for the Proposed Mkhambathi and Mbotyi Beach Developments, Ingquza Hill Municipality, Eastern Cape	Ingquza Hill Municipality, Eastern Cape	Ecologist
2021	Botanical Search and Rescue Monitoring Report for A 140 Megawatt Roggeveld Wind Farm and Associated Infrastructure.	Karoo Hoogland Local Municipality, Northern Cape & Laingsburg Local Municipality, Western Cape Provinces	Ecologist

2021	Ecological walkthrough for the proposed National Route 3 (N3) between Cato Ridge and Camperdown in KwaZulu-Natal.	Cato Ridge, KwaZulu-Natal	Ecologist
2021	Avifaunal Impact Assessment for the proposed Musina-Makhado Special Economic Zone South Site	Musina-Makhado, Limpopo	Avifaunal Specialist/Ornithologist
2021	Ecological Impact Assessment for the proposed prospecting on Farm In Die Kom 345 JQ	North West	Ecologist
2021	Rehabilitation Plan for Roggeveld Wind Energy Facility and associated Substation and 33kV and 132kV transmission powerlines.	Karoo Hoogland Local Municipality, Northern Cape & Laingsburg Local Municipality, Western Cape Provinces	Rehabilitation Specialist
2021	Rehabilitation Plan of the sewage effluent in Bethal.	Bethal, Mpumalanga	Rehabilitation Specialist
2021	Invasive Alien Plants Species Eradication and Control Program for Castle Gate Shopping Centre.	Pretoria, Gauteng	Ecologist
2020	Avifaunal Impact Assessment for the proposed 33kV overhead powerlines on Roggeveld Wind Energy Farm.	Karoo Hoogland Local Municipality, Northern Cape & Laingsburg Local Municipality, Western Cape Provinces	Avifaunal Specialist/Ornithologist
2020	Avifaunal & Ecological Impact Assessment for the proposed solar farm on Vaalkloof Nature Reserve.	Breede Valley Municipality, Western Cape	Ecologist
2020	Wetland assessment for the proposed water pipeline upgrade.	Daveyton, Gauteng	Ecologist
2020	Biodiversity Impact Assessment (BIA) for the proposed township establishment in Pretoria North.	Pretoria, Gauteng	Ecologist
2020	Freshwater impact assessment for the proposed water Kagiso Regional Park.	Kagiso, Gauteng	Ecologist
2019	Basic Assessment Report and EMPr for the proposed borehole drilling to supplement water supply for broiler in Delmas, Mpumalanga Province.	Delmas, Mpumalanga	Environmental Assessment Practitioner
2019	Wetland and Ecological Assessment for the proposed upgrading of bulk sewer pipeline in Amsterdam.	Amsterdam, Mkhondo Local Municipality	Ecologist
2019	Ecological assessment for the proposed mine on Farm Palmietfontein 189 IP situated within JB Marks Local Municipality, North West Province.	Ventersdorp, North West	Ecologist

2019	Biodiversity Management Plans for Evander Gold Mine.	Evander, Mpumalanga	Ecologist
2019	Avifaunal assessment for the proposed granite mine outside Mokopane.	Mogalakwena Local Municipality, Limpopo	Avifaunal Specialist/ Ornithologist
2019	Wetland assessment for the proposed grey water pipeline for irrigation.	Makhado Municipality, Limpopo	Ecologist
2019	Ecological assessment for the proposed for Nandoni mixed development.	Nandoni, Thulamela Local Municipality, Limpopo	Ecologist
2019	Ecological assessment for the proposed cultural village on farm Mphaphuli 278MT.	Mukomaasinandu, Thulamela Local Municipality, Limpopo	Ecologist
2019	Ecological assessment for the proposed Musina mixed development.	Musina, Limpopo	Ecologist
2018	Invasive Alien Plants Species Eradication and Control Program Plan for Kwazenzele Ext. 1 Phase 2.	Lesedi Local Municipality, Gauteng province	Ecologist
2018	Updating of Wetland Assessment Report for the Magalies Lapatrie to Moruleng Pipeline.	Moses Kotana Local Municipality, North West province	Ecologist
2018	Avifaunal impact assessment for the proposed construction of two double storey on Mooifontein farm no 14IR, Portion 22 in Norkem, Kempton Park.	City of Ekurhuleni, Gauteng province	Avifaunal Specialist/ Ornithologist
2018	Ecological assessment for the proposed shopping centre and filling station in Madombidzha.	Madombidzha, Makhado Municipality, Limpopo province	Ecologist
2018	Biodiversity Assessment & Management Plan for Cullinan Diamond Mine.	Cullinan, Gauteng province	Ecologist (Faunal Specialist)

## 9.2 SABAP2

Ref	Common group	Common species	Genus	Species
722		Bokmakierie	<i>Telophorus</i>	<i>zeylonus</i>
72		Hamerkop	<i>Scopus</i>	<i>umbretta</i>
637		Neddicky	<i>Cisticola</i>	<i>fulvicapilla</i>
844		Quailfinch	<i>Ortygospiza</i>	<i>atricollis</i>
105		Secretarybird	<i>Sagittarius</i>	<i>serpentarius</i>
622	Apalis	Bar-throated	<i>Apalis</i>	<i>thoracica</i>

672	Batis	Cape	<i>Batis</i>	<i>capensis</i>
808	Bishop	Southern Red	<i>Euplectes</i>	<i>orix</i>
810	Bishop	Yellow	<i>Euplectes</i>	<i>capensis</i>
709	Boubou	Southern	<i>Laniarius</i>	<i>ferrugineus</i>
546	Brownbul	Terrestrial	<i>Phyllastrephus</i>	<i>terrestris</i>
543	Bulbul	Cape	<i>Pycnonotus</i>	<i>capensis</i>
873	Bunting	Cape	<i>Emberiza</i>	<i>capensis</i>
717	Bushshrike	Olive	<i>Chlorophoneus</i>	<i>olivaceus</i>
219	Bustard	Denham's	<i>Neotis</i>	<i>denhami</i>
154	Buzzard	Common	<i>Buteo</i>	<i>buteo</i>
155	Buzzard	Forest	<i>Buteo</i>	<i>trizonatus</i>
152	Buzzard	Jackal	<i>Buteo</i>	<i>rufofuscus</i>
627	Cameroptera	Green-backed	<i>Cameroptera</i>	<i>brachyura</i>
863	Canary	Brimstone	<i>Crithagra</i>	<i>sulphurata</i>
857	Canary	Cape	<i>Serinus</i>	<i>canicollis</i>
858	Canary	Forest	<i>Crithagra</i>	<i>scotops</i>
865	Canary	White-throated	<i>Crithagra</i>	<i>albugularis</i>
866	Canary	Yellow	<i>Crithagra</i>	<i>flaviventris</i>
570	Chat	Familiar	<i>Oenanthe</i>	<i>familiaris</i>
638	Cisticola	Grey-backed	<i>Cisticola</i>	<i>subruficapilla</i>
646	Cisticola	Levaillant's	<i>Cisticola</i>	<i>tinniens</i>
639	Cisticola	Wailing	<i>Cisticola</i>	<i>lais</i>
629	Cisticola	Zitting	<i>Cisticola</i>	<i>juncidis</i>
212	Coot	Red-knobbed	<i>Fulica</i>	<i>cristata</i>
50	Cormorant	Reed	<i>Microcarbo</i>	<i>africanus</i>
47	Cormorant	White-breasted	<i>Phalacrocorax</i>	<i>lucidus</i>
413 1	Coucal	Burchell's	<i>Centropus</i>	<i>burchellii</i>
203	Crake	Black	<i>Zapornia</i>	<i>flavirostra</i>
216	Crane	Blue	<i>Grus</i>	<i>paradisea</i>
621	Crombec	Long-billed	<i>Sylvietta</i>	<i>rufescens</i>
523	Crow	Cape	<i>Corvus</i>	<i>capensis</i>
522	Crow	Pied	<i>Corvus</i>	<i>albus</i>
344	Cuckoo	Black	<i>Cuculus</i>	<i>clamosus</i>
352	Cuckoo	Diederik	<i>Chrysococcyx</i>	<i>caprius</i>
351	Cuckoo	Klaas's	<i>Chrysococcyx</i>	<i>klaas</i>
343	Cuckoo	Red-chested	<i>Cuculus</i>	<i>solitarius</i>
516	Cuckooshrike	Grey	<i>Cebilepyris</i>	<i>caesius</i>
52	Darter	African	<i>Anhinga</i>	<i>rufa</i>
316	Dove	Cape Turtle	<i>Streptopelia</i>	<i>capicola</i>
317	Dove	Laughing	<i>Spilopelia</i>	<i>senegalensis</i>
322	Dove	Lemon	<i>Columba</i>	<i>larvata</i>
318	Dove	Namaqua	<i>Oena</i>	<i>capensis</i>

314	Dove	Red-eyed	<i>Streptopelia</i>	<i>semitorquata</i>
940	Dove	Rock	<i>Columba</i>	<i>livia</i>
319	Dove	Tambourine	<i>Turtur</i>	<i>tympanistria</i>
517	Drongo	Fork-tailed	<i>Dicrurus</i>	<i>adsimilis</i>
95	Duck	African Black	<i>Anas</i>	<i>sparsa</i>
104	Duck	White-backed	<i>Thalassornis</i>	<i>leuconotus</i>
100	Duck	White-faced Whistling	<i>Dendrocygna</i>	<i>viduata</i>
96	Duck	Yellow-billed	<i>Anas</i>	<i>undulata</i>
149	Eagle	African Fish	<i>Haliaeetus</i>	<i>vocifer</i>
143	Eagle	Crowned	<i>Stephanoaetus</i>	<i>coronatus</i>
138	Eagle	Long-crested	<i>Lophaetus</i>	<i>occipitalis</i>
368	Eagle-Owl	Spotted	<i>Bubo</i>	<i>africanus</i>
61	Egret	Western Cattle	<i>Bubulcus</i>	<i>ibis</i>
113	Falcon	Peregrine	<i>Falco</i>	<i>peregrinus</i>
833	Firefinch	African	<i>Lagonosticta</i>	<i>rubricata</i>
707	Fiscal	Southern	<i>Lanius</i>	<i>collaris</i>
205	Flufftail	Red-chested	<i>Sarothrura</i>	<i>rufa</i>
655	Flycatcher	African Dusky	<i>Muscicapa</i>	<i>adusta</i>
682	Flycatcher	African Paradise	<i>Terpsiphone</i>	<i>viridis</i>
680	Flycatcher	Blue-mantled Crested	<i>Trochocercus</i>	<i>cyanomelas</i>
678	Flycatcher	Fairy	<i>Stenostira</i>	<i>scita</i>
665	Flycatcher	Fiscal	<i>Melaenornis</i>	<i>silens</i>
654	Flycatcher	Spotted	<i>Muscicapa</i>	<i>striata</i>
89	Goose	Egyptian	<i>Alopochen</i>	<i>aegyptiaca</i>
88	Goose	Spur-winged	<i>Plectropterus</i>	<i>gambensis</i>
160	Goshawk	African	<i>Accipiter</i>	<i>tachiro</i>
618	Grassbird	Cape	<i>Sphenoeacus</i>	<i>afer</i>
6	Grebe	Little	<i>Tachybaptus</i>	<i>ruficollis</i>
551	Greenbul	Sombre	<i>Andropadus</i>	<i>importunus</i>
263	Greenshank	Common	<i>Tringa</i>	<i>nebularia</i>
192	Guineafowl	Helmeted	<i>Numida</i>	<i>meleagris</i>
169	Harrier	Black	<i>Circus</i>	<i>maurus</i>
171	Harrier-Hawk	African	<i>Polyboroides</i>	<i>typus</i>
69	Heron	Black-crowned Night	<i>Nycticorax</i>	<i>nycticorax</i>
55	Heron	Black-headed	<i>Ardea</i>	<i>melanocephala</i>
54	Heron	Grey	<i>Ardea</i>	<i>cinerea</i>
57	Heron	Purple	<i>Ardea</i>	<i>purpurea</i>
442	Honeyguide	Lesser	<i>Indicator</i>	<i>minor</i>
441	Honeyguide	Scaly-throated	<i>Indicator</i>	<i>variegatus</i>
418	Hoopoe	African	<i>Upupa</i>	<i>africana</i>
81	Ibis	African Sacred	<i>Threskiornis</i>	<i>aethiopicus</i>
84	Ibis	Hadada	<i>Bostrychia</i>	<i>hagedash</i>
123	Kestrel	Rock	<i>Falco</i>	<i>rupicolus</i>

402	Kingfisher	Brown-hooded	<i>Halcyon</i>	<i>albiventris</i>
395	Kingfisher	Giant	<i>Megaceryle</i>	<i>maxima</i>
397	Kingfisher	Malachite	<i>Corythornis</i>	<i>cristatus</i>
394	Kingfisher	Pied	<i>Ceryle</i>	<i>rudis</i>
130	Kite	Black-winged	<i>Elanus</i>	<i>caeruleus</i>
129	Kite	Yellow-billed	<i>Milvus</i>	<i>aegyptius</i>
243	Lapwing	Black-winged	<i>Vanellus</i>	<i>melanopterus</i>
245	Lapwing	Blacksmith	<i>Vanellus</i>	<i>armatus</i>
242	Lapwing	Crowned	<i>Vanellus</i>	<i>coronatus</i>
414 0	Lark	Cape Clapper	<i>Mirafr</i>	<i>apiata</i>
463	Lark	Large-billed	<i>Galerida</i>	<i>magnirostris</i>
488	Lark	Red-capped	<i>Calandrella</i>	<i>cinerea</i>
703	Longclaw	Cape	<i>Macronyx</i>	<i>capensis</i>
509	Martin	Brown-throated	<i>Riparia</i>	<i>paludicola</i>
506	Martin	Rock	<i>Ptyonoprogne</i>	<i>fuligula</i>
210	Moorhen	Common	<i>Gallinula</i>	<i>chloropus</i>
392	Mousebird	Red-faced	<i>Urocolius</i>	<i>indicus</i>
390	Mousebird	Speckled	<i>Colius</i>	<i>striatus</i>
391	Mousebird	White-backed	<i>Colius</i>	<i>colius</i>
521	Oriole	Black-headed	<i>Oriolus</i>	<i>larvatus</i>
1 1	Ostrich	Common	<i>Struthio</i>	<i>camelus</i>
102 1	Peafowl	Indian	<i>Pavo</i>	<i>cristatus</i>
312	Pigeon	African Olive	<i>Columba</i>	<i>arquatrix</i>
311	Pigeon	Speckled	<i>Columba</i>	<i>guinea</i>
692	Pipit	African	<i>Anthus</i>	<i>cinnamomeus</i>
694	Pipit	Plain-backed	<i>Anthus</i>	<i>leucophrys</i>
237	Plover	Kittlitz's	<i>Charadrius</i>	<i>pecuarius</i>
238	Plover	Three-banded	<i>Charadrius</i>	<i>tricoloris</i>
413 9	Prinia	Karoo	<i>Prinia</i>	<i>maculosa</i>
712	Puffback	Black-backed	<i>Dryoscopus</i>	<i>cubla</i>
189	Quail	Common	<i>Coturnix</i>	<i>coturnix</i>
805	Quelea	Red-billed	<i>Quelea</i>	<i>quelea</i>
524	Raven	White-necked	<i>Corvus</i>	<i>albicollis</i>
589	Robin	White-starred	<i>Pogonocichla</i>	<i>stellata</i>
581	Robin-Chat	Cape	<i>Cossypha</i>	<i>caffra</i>
578	Robin-Chat	Chorister Robin-Chat	<i>Cossypha</i>	<i>dichroa</i>
511	Saw-wing	Black (Southern Africa)	<i>Psalidoprocne</i>	<i>pristoptera holomelas</i>
583	Scrub Robin	Karoo	<i>Cercotrichas</i>	<i>coryphoeus</i>
867	Seed eater	Streaky-headed	<i>Crithagra</i>	<i>gularis</i>
90	Shelduck	South African	<i>Tadorna</i>	<i>cana</i>
94	Shoveler	Cape	<i>Spatula</i>	<i>smithii</i>

250	Snipe	African	<i>Gallinago</i>	<i>nigripennis</i>
786	Sparrow	Cape	<i>Passer</i>	<i>melanurus</i>
784	Sparrow	House	<i>Passer</i>	<i>domesticus</i>
414 2	Sparrow	Southern Grey-headed	<i>Passer</i>	<i>diffusus</i>
159	Sparrowhawk	Black	<i>Accipiter</i>	<i>melanoleucus</i>
85	Spoonbill	African	<i>Platalea</i>	<i>alba</i>
181	Spurfowl	Cape	<i>Pternistis</i>	<i>capensis</i>
188	Spurfowl	Red-necked	<i>Pternistis</i>	<i>afer</i>
740	Starling	Black-bellied	<i>Notopholia</i>	<i>corusca</i>
733	Starling	Common	<i>Sturnus</i>	<i>vulgaris</i>
746	Starling	Pied	<i>Lamprotornis</i>	<i>bicolor</i>
745	Starling	Red-winged	<i>Onychognathus</i>	<i>morio</i>
576	Stonechat	African	<i>Saxicola</i>	<i>torquatus</i>
80	Stork	White	<i>Ciconia</i>	<i>ciconia</i>
749	Sugarbird	Cape	<i>Promerops</i>	<i>cafer</i>
772	Sunbird	Amethyst	<i>Chalcomitra</i>	<i>amethystina</i>
771	Sunbird	Collared	<i>Hedydipna</i>	<i>collaris</i>
758	Sunbird	Greater Double-collared	<i>Cinnyris</i>	<i>afer</i>
765	Sunbird	Grey	<i>Cyanomitra</i>	<i>veroxii</i>
751	Sunbird	Malachite	<i>Nectarinia</i>	<i>famosa</i>
753	Sunbird	Orange-breasted	<i>Anthobaphes</i>	<i>violacea</i>
760	Sunbird	Southern Double-collared	<i>Cinnyris</i>	<i>chalybeus</i>
493	Swallow	Barn	<i>Hirundo</i>	<i>rustica</i>
502	Swallow	Greater Striped	<i>Cecropis</i>	<i>cucullata</i>
498	Swallow	Pearl-breasted	<i>Hirundo</i>	<i>dimidiata</i>
495	Swallow	White-throated	<i>Hirundo</i>	<i>albigularis</i>
380	Swift	African Black	<i>Apus</i>	<i>barbatus</i>
386	Swift	Alpine	<i>Tachymarptis</i>	<i>melba</i>
385	Swift	Little	<i>Apus</i>	<i>affinis</i>
383	Swift	White-rumped	<i>Apus</i>	<i>caffer</i>
713	Tchagra	Southern	<i>Tchagra</i>	<i>tchagra</i>
98	Teal	Cape	<i>Anas</i>	<i>capensis</i>
97	Teal	Red-billed	<i>Anas</i>	<i>erythrorhyncha</i>
275	Thick-knee	Spotted	<i>Burhinus</i>	<i>capensis</i>
110 5	Thrush	Olive	<i>Turdus</i>	<i>olivaceus</i>
393	Trogon	Narina	<i>Apaloderma</i>	<i>narina</i>
413 3	Turaco	Knysna	<i>Tauraco</i>	<i>corythaix</i>
686	Wagtail	Cape	<i>Motacilla</i>	<i>capensis</i>
611	Warbler	Knysna	<i>Bradypterus</i>	<i>sylvaticus</i>

604	Warbler	Lesser Swamp	<i>Acrocephalus</i>	<i>gracilirostris</i>
609	Warbler	Little Rush	<i>Bradypterus</i>	<i>baboecala</i>
612	Warbler	Victorin's	<i>Cryptillas</i>	<i>victorini</i>
671	Warbler	Yellow-throated Woodland	<i>Phylloscopus</i>	<i>ruficapilla</i>
843	Waxbill	Common	<i>Estrilda</i>	<i>astrild</i>
825	Waxbill	Swee	<i>Coccopygia</i>	<i>melanotis</i>
799	Weaver	Cape	<i>Ploceus</i>	<i>capensis</i>
803	Weaver	Southern Masked	<i>Ploceus</i>	<i>velatus</i>
117 2	White-eye	Cape	<i>Zosterops</i>	<i>virens</i>
846	Whydah	Pin-tailed	<i>Vidua</i>	<i>macroura</i>
448	Woodpecker	Knysna	<i>Campethera</i>	<i>notata</i>
452	Woodpecker	Olive	<i>Dendropicos</i>	<i>griseocephalus</i>