# Basic Assessment Report Application Eggland Thornhill within the Kouga Local Municipality, Eastern Cape Province

## **AQUATIC ASSESSMENT**

FOR
CAPE EAPrac

BY



EnviroSci (Pty) Ltd

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**REVISION** 1

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#### **SPECIALIST REPORT DETAILS**

This report has been prepared as per the requirements of the Environmental Impact Assessment Regulations and the National Environmental Management Act (Act 107 of 1998), any subsequent amendments and any relevant National and / or Provincial Policies related to biodiversity assessments. This also includes the minimum requirements as stipulated in the National Water Act (Act 36 of 1998), as amended in Water Use Licence Application and Appeals Regulations, 2017 Government Notice R267 in Government Gazette 40713 dated 24 March 2017, which also includes the minimum requirements for a Wetland Delineation Report.

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I, **Dr. Brian Michael Colloty** declare that this report has been prepared independently of any influence or prejudice as may be specified by the National Department of Environmental Affairs and or Department of Water and Sanitation



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#### 1. Introduction

CAPE EAPrac appointed EnviroSci (Pty) Ltd to conduct an Aquatic Assessment as part of the Basic Assessment Report application being submitted for the expansion of the egg laying facility THORNHILL EGGLAND, within the Kouga Local Municipality (Figure 1).

The proponent has developed the property, however with the addition of two houses that triggers the following listed activity under the National Environmental Management Act – Listing Notice 2, namely

The expansion and related operation of facilities for the concentration of poultry, excluding chicks younger than 20 days, where the capacity of the facility will be increased by—

- (i) more than 1 000 poultry where the facility is situated within an urban area; or
- (ii) more than 5 000 poultry per facility situated outside an urban area.

#### 1.1 Aims and objectives

The aim of this report is to provide an assessment of the state and function of any aquatic habitats that may be lost, together with an assessment of the potential issues posed by the development. Where possible this report also provides means to avoid additional impacts or issues. This was based on a site visit conducted in summer on 3 December 2019.

#### 1.2 Assumptions and Limitation

To obtain a comprehensive understanding of the dynamics of any aquatic communities within a study site, as well as the status of endemic, rare or threatened species in any area, assessments should always consider investigations at different time scales (across seasons/years) and through replication. However, due to time constraints these long-term studies are not feasible and are thus mostly based on instantaneous sampling.

Therefore, due to the scope of the work presented in this report (significant portions of the site have already been developed for the same purposes as that proposed), a long-term investigation of the site was not possible and as such not perceived as part of the Terms of Reference. However, a concerted effort was made to assess as much of the potential site, as well as make use of any available literature, species distribution data (Appendix 1) and aerial photography, with particular focus on determining the type and importance of the aquatic systems that may be impacted upon by the activities.

It should be emphasised that information, as presented in this document, only has reference to the study area as indicated on the accompanying maps. Therefore, this information cannot be applied to any other area without detailed investigation.



Figure 1: An aerial view of the current facilities associated with Thornhill Eggland and the two proposed houses (blue rectangles)

#### 2. Terms of Reference

The affected aquatic systems were assessed as follows:

- The assessment was initiated with a review of the available information for the region and activities that had occurred. This will also include review of the development in relation to any conservation plans or assessments known for the area, e.g. Critical Biodiversity Area maps, National Waterbody Inventory etc.
- Determination of the Present Ecological State of any waterbodies incl. wetlands, estimating their biodiversity, conservation importance with regard ecosystem services using recognised PES / EIS assessment methods to determine the state, importance and sensitivity of the respective systems
- Prepared a map demarcating the respective watercourses or wetland/s, within a 500m radius of the study area. This demonstrates, from a holistic point of view the connectivity between the site and the surrounding regions, i.e. the hydrological zone of influence while classifying the hydrogeomorphic type of the respective water courses / wetlands in relation to present land-use and their current state. The maps depicting demarcated waterbodies will be delineated to a scale of 1:10 000, following the methodology described by the DWS.
- Buffer zones were recommended using the Macfarlane & Bredin (2017) approach to indicate any No-go
  / Sensitive areas around any delineated aquatic zones should these be thought necessary, supported by
  any relevant legislation, e.g. any bioregional plans, conservation guidelines or best practice if still
  applicable. Attention was also paid to the presence / absence of any important habitat or species known
  to occur within the region as indicated in Appendix 1.
- Assessed the potential impacts, based on a supplied methodology, including cumulative impacts and for construction (should any additional activities still be required, particularly if the construction was halted), operations and decommissioning phases.
- Provide mitigations regarding observed impacts, which could negatively affect demarcated wetland or water course areas.
- Supply the client with geo-referenced GIS shape files of the wetland / riverine areas with buffers as required.

## 3. Project Description

The Basic Assessment Report is being submitted for the proposed construction of an additional two chicken houses (Figure 1). The proposed new houses will each contain a maximum of 40 000 hens.

## 4. Relevant legislation and policy

The following is pertinent to this study:

- Section 24 of The Constitution of the Republic of South Africa;
- Agenda 21 Action plan for sustainable development of the Department of Environmental Affairs and Tourism (DEAT) 1998;
- National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998) inclusive of all amendments, as well as the NEM: Biodiversity Act;
- National Water Act, 1998 (Act No. 36 of 1998);
- Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983); and
- Minerals and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).
- Nature and Environmental Conservation Ordinance (No. 19 of 1974)
- National Forest Act (No. 84 of 1998)
- National Heritage Resources Act (No. 25 of 1999)

NEMA and the Conservation of Agricultural Resources Act (CARA), 1983 (Act No. 43 of 1983) would also apply to this project. These Acts have categorised many invasive plants together with associated obligations on the land owner. Several Category 1 & 2 plants were observed in several areas of the site under investigation.

Alien Invasive Plant Species (AIS) within or adjacent the site observed included amongst others:

- Solanum elaeagnifolium (Silver-leaf bitter apple)
- Cyperus rotundus subsp rotundus (Nut grass)
- Acacia mearnsii (Black wattle)
- Pennisetum clandestinum (Kikuyu)
- Solanum maurtianum (Bugweed)
- Opuntia ficus-indica (Prickly pear)

- Opuntia humifusa (Creeping prickly pear)
- Cestrum laevigatum (Inkberry)
- Argemone Mexicana (Mexican poppy)
- Cirsium vulgare (Scotch Thistle)
- Eucalyptus spp
- Pinus spp
- Plantago lanceolate (Buckhorn plantain)
- Arundo donax (Spanish Reed)

## 5. Description of the affected environment

#### 5.1 Climate

The site is located within the bimodal rainfall region of South Africa, with a Mean Annual Precipitation (MAP) for the coastal region at ca. 540 mm per annum. Annual average temperatures range between 4.2 and 27 °C, with frost a rare occurrence of no more than 10 days per year (Mucina & Rutherford, 2007).

#### 5.2 Geology and soils

The site is underlain acidic lithosol soils derived from the sandstones of the Table Mountain Group, as well as quarzitic sandstones of the Witteberg Group (Mucina & Rutherford, 2007). The region surrounding the site also includes expected shallow Glenrosa and Mispah soil forms.

#### 5.3 Slope and aspect

The region is characterised by undulating hills, interspersed with steep valleys and low ridges associated with the Loerie/Gamtoos valleys.

#### 5.4 Aquatic environment

The study area is located within the L90C Gamtoos River quaternary catchment as shown in Figure 2, situated within the Southern Eastern Coastal Belt Ecoregion. The study area Subquaternary area has anticipated 135 – 220 mm of Mean Annual Runoff. However, it does not however contain, any wetland clusters, Important Bird Areas or Threatened Ecosystems as listed by NEMA.

The study area does form part of a Strategic Water Resource Area (Surface water) as this catchment forms part of an important water supply to the Gamtoos farming region.

Several waterbodies are also shown in National Wetland Inventory (NWI) Version 5 released by van Deventer *et al.* (2020) (Figure 3). No wetlands (natural or artificial) were indicated in the NWI for the study area, however two Depression / Pans were observed during the site visit and are within 500m of the proposed infrastructure (Figure 4). These two pan systems, have however been converted into farm dams (Plate 1), a practice that has occurred within most pans within the region, and the only examples that are in a more natural state are located near St Albans and Jefferys Bay, 20 and 16 km from the site respectively.

The pans were dominated by obligate plant species mostly associated with the Cyperaceae (Nut grass) family and included the following species:

Cyperus textilis Carpha spp

Ficinia litoralis Helichrysum cymosum

Tetraria cuspidate Scirpus nodusis

Elegia spp Eipschoenus gracilis

#### No aquatic species of special concern were observed within

Several watercourses were also observed within the region, but none and their associated buffer (18m) were located near the proposed development activities (Figure 4). The <u>18m buffer</u> was based on results obtained from the wetland/riverine buffer model (Macfarlane & Bredin, 2017), using data collected on the state of the systems, hydrogeomorphic type and activities (past and present) that occur.

Based on the aerial images, it could not be determined when the water supply dam was constructed, but it contained no distinctive aquatic habitat, e.g. wetlands or emergent vegetation (Plate 2).

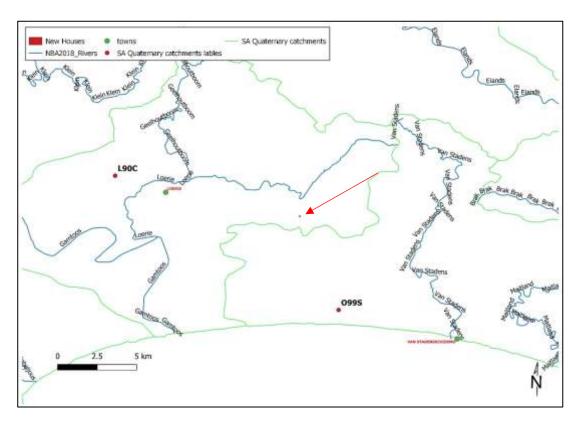


Figure 2: Project locality (red arrow) indicating the various quaternary catchments, mainstem rivers (Source DWS, NWI and NGI)

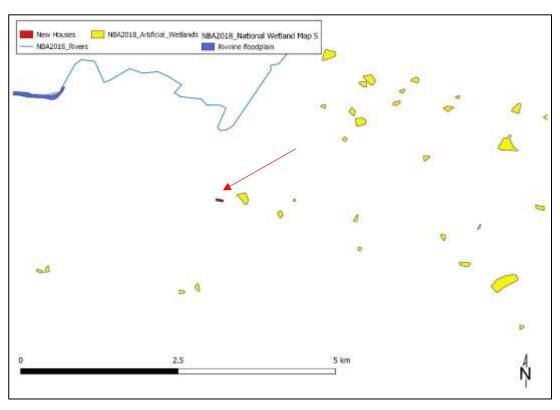


Figure 3: National Wetland Inventory spatial data, for known systems within the region and the site indicated by the red arrow (van Deventer *et al.*, 2020)



Plate 1: A view of the pan, now dam closest to the current operations



Plate 2: The water supply dam with no distinct aquatic habitat other than the open water itself

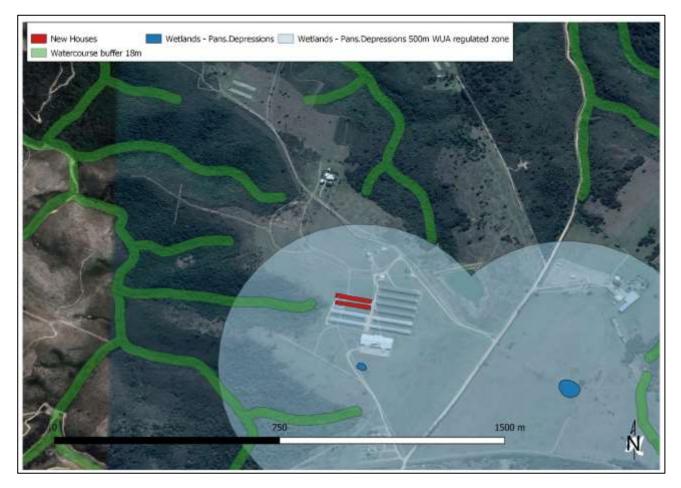


Figure 4: Delineated extent of the pans, known watercourse with 18m buffer and 500m WUA regulated zone in relation to the proposed houses

#### 5.4 Present Ecological State and conservation importance (Aquatic environment)

The PES of a river, watercourse or wetland represents the extent to which it has changed from the reference or near pristine condition (Category A) towards a highly impacted system where there has been an extensive loss of natural habit and biota, as well as ecosystem functioning (Category E).

The PES scores have been revised for the country and based on the new models, aspects of functional importance as well as direct and indirect impacts have been included (DWS, 2014 and to an extent revised in the National Spatial Biodiversity Assessment, 2018 data, released 2019). The new PES system also incorporates Ecological Importance (EI) and Ecological Sensitivity (ES) separately as opposed to Ecological Importance and Sensitivity (EIS) in the old model, although the new model is still heavily centred on rating rivers using broad fish, invertebrate, riparian vegetation and water quality indicators. The Recommended Ecological Category (REC) is still contained within the new models, with the default REC being B, when little or no information is available to assess the system or when only one of the above-mentioned parameters are assessed or the overall PES is rated between a C or D.

The PES for the study river system (Subquaternary catchment 90029) was rated as follows (DWS, 2014 /NSBA, 2018) where C = Moderately Modified:

Subquaternary Catchment Number	Present Ecological State	Ecological Importance	Ecological Sensitivity
9009	С	Moderate/Medium	High

These scores were adjusted by observations made in the field, due to the current impacts such as:

- Alien vegetation
- Vegetation clearing
- Impoundments (several above and below the site), and
- Agricultural return flow from the various pivot irrigation systems;

The Present Ecological State for the study area water courses were thus rated as **D** = **Largely Modified**, i.e. less than 40 % of the natural riparian vegetation remains based on the Riparian Vegetation Responses Assessment Index (VEGRAI) model. This score would also then apply to the riverine wetland (Wetland IHI) based on the impacts observed and the perceived loss in catchment vegetation and wetland aerial cover.

The Ecological Importance and Sensitivity Score were rated as Moderate by DWS for the Subquaternary catchment (2014), due to the importance of the habitat they provide (fish & invertebrates), filter pollutants and support the downstream systems, namely the Loerie River, while forming part of an Upstream Support Area under NFEPA, as shown in Figure 6. This would be substantiated by information collected in the field and the presence of the riverine wetlands observed that would mitigation impacts such as agricultural return flows and trap any sediments within runoff.

Results from the *Wetland* Index of Habitat Integrity (IHI) model based on field data, also indicated that the PES for the two pan was **D** = **Largely Modified**, **while the Ecological Importance and Sensitivity score was Moderate**.

The Moderate scores for both the watercourses and the pans was based on the fact that these systems are also located within a Phase 2 FEPA (Figure 6) or Freshwater Ecosystem Priority Area / NFEPA (Nel *et al.*, 2011) and Critical Biodiversity Area Type 2 (Berliner and Desmet, 2007) in the Eastern Cape Biodiversity Conservation Plan (Figure 7).

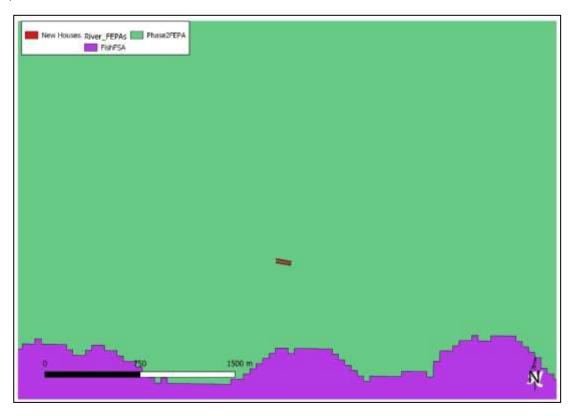


Figure 5: NFEPA Priority Ecosystem Areas (Nel et al., 2011)

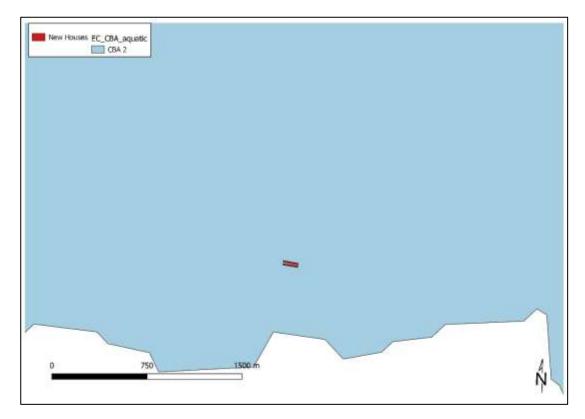


Figure 6: Critical Biodiversity Areas as per the Eastern Cape Biodiversity Conservation Plan (Desmet & Berliner, 2007)

## 6. Permit requirements

In terms of Water Use Authorisation these applications must submitted, with the inclusion of any activities within the 500m wetland regulated zone with regard Section 21 c & i water uses, if not yet authorised (See Figure 4). This would also include any abstractive uses form the dam and borehole.

## 7. Site Sensitivity

Based then on the past status of the environment and the scale past and current disturbance, no sensitive areas would will be affected within the development footprint. However it is recommended that any future activities remain outside of the watercourses and their buffers and the pans and that the surrounding land use remain (grazing) remain unchanged (See Figure 4).

## 8. Impact Assessment

During the impact assessment a number of potential key issues / impacts were identified and assessed.

• Impact 1: Loss of aquatic riverine and wetland habitat

• Impact 3: Habitat fragmentation

• Impact 4: Impact on baseflow hydrology

• Impact 5: Increase in sedimentation and erosion

• Impact 6: Risks on the aquatic environment due to water quality impacts

• Impact 7: Cumulative impacts

The loss of any Species of Special Concern was not assessed as the habitat are now disturbed and little to no terrestrial habitat remains within the cleared areas:

#### 8.1: Impact 1: Loss of aquatic riverine and wetland habitat - Direct Impact

Environmen	tal	Activity/As	pect &	Proposed Mitig	gation:		
Impact: No direct impassociated we proposed act as no additionew impacts aquatic environment occur unless proposed lay are expanded additional roconstruction laydown area placed within the delineate areas  Impact Signi	ith the tivities anal or on the twould the routs dor ads or as are any of ed	Impact Sou Due to the the project persist in the term into the operational impact. Ho affected has observed a outside of the proposed a	nature of this would he long he long he longe ly phase wever the bitats re largely he	<ul> <li>Alien plant that won't species do the draina</li> <li>No further</li> </ul>	t regrowth should be utilised, as a occur within the	number of ruder plan and the thi nust be allowed	al Alien Invasive cket area within
Without	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Minor (2)	Completely (0)	Partly (0.5)	Probable (3)	Low (22.5)
With	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Minor (2)	Completely (0)	Partly (0.5)	Probable (3)	Low (22.5)
Potential to Moderate po	_		ate	Assessment Co Complete	onfidence:		

## 8.2: Impact 2: Habitat fragmentation

Environment	tal	Activity/As	pect &	Proposed Miti	gation:		
Impact: Based on the information contained with ECBCP, the study area is Aquatic Critical Biodiversity of The proposed activities will result in additingmentation.	ithin he within cal Areas. d not itional	Due to the the project persist in the term into the operational impact.	nature of this will ne long ne	that won't species do the draina • No further	t regrowth should be utilised, as a occur within the ge lines. r encroachment r hown in Figure 5.	number of ruder plan and the thi must be allowed	al Alien Invasive cket area within
Without	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Minor (2)	Completely (0)	Partly (0.5)	Probable (3)	Low (22.5)
With	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Minor (2)	Completely (0)	Partly (0.5)	Probable (3)	Low (22.5)
Potential to Moderate po	_		ate	Assessment Co Complete	onfidence:		

## 8.3 Impact 3: Impact on baseflow hydrology – direct operational impact

Environment	:al	Activity/As	pect &	Proposed Mitig	gation:		
Impact: Impoundmer result in the reduction of baseflow whi reducing floo peaks (rivers require flood reset sedime build up for example). Th includes the supply dam.  Impact Signij	ile also id s to nt is water	Due to the the project persist in the operational impact and compounde existence of other dams abstractive the catchm	nature of this will ne long I phase is ed by the f several self.	<ul> <li>If the cur consulted will assist i</li> </ul>	rent dam is not as part of water n the determinat for equitable soo	use authorisati ion of a safe abst	on process who raction rate that
	Extent	Duration	Severity	Reversibility	Irreplaceable	Probability	Impact
Without					Loss		Significance
Mitigation:	Site	Long-	Moderate	Completely	Partly (0.5)	Definite (5)	Moderate
	(1)	term (4)	(4)	(0)	1 artiy (0.5)	Definite (3)	(47.5)
	Extent	Duration	Severity	Reversibility	Irreplaceable	Probability	Impact
With					Loss		Significance
Mitigation:	Site	Long-	Minor (2)	Completely	Partly (0.5)	Probable (3)	Low (22.5)
	(1)	term (4)	14111101 (2)	(0)	1 artiy (0.3)	1 Tobable (3)	LUW (22.3)
Potential to	Mitigate:	•		Assessment Co	nfidence:		
Moderate potential / easy to mitigate				Complete			
				<u> </u>			

## 8.4 Impact 4: Increase in sedimentation and erosion – direct operational phase

Environment	:al	Activity/As	pect &	Proposed Mitig	gation:		
Impact: The creation surface areas result in the increase in ru with an incre erosion and sedimentatio impacts downstream. coupled to the creation of additional roaccess tracks increases stormwater r	of hard s will unoff, ase in This ae ads / also	Impact Sou Due to the the project persist in the term in the operational impact.	nature of this will ne long	<ul> <li>Suitable state steep accessive sediment, local plant</li> <li>As the derunoff from areas first flows. Sor parking ar swales to parking ar s</li></ul>	cormwater managess roads, as sedi Id include swale coupled to reve	ment is currently as and or small getation of bare t allowed to ha captured by vege on will then slow mulate when lead ould be manage ration of any high	y being washed. ponds to trap e soil areas with  eve gutters, any etated / grassed w and dissipate ving the existing d using grassed h velocity flows,
Impact Signij	ficance						
Without	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Moderate (4)	Completely (0)	Partly (0.5)	Definite (5)	Moderate (47.5)
With	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Minor (2)	Completely (0)	Partly (0.5)	Probable (3)	Low (22.5)
Potential to	Mitigate:	•		Assessment Co	onfidence:	•	

Complete

Moderate potential / easy to mitigate

## 8.5 Impact 5: Risks on the aquatic environment due to water quality impacts – indirect operational phase

Environment	tal	Activity/As	pect &	Proposed Miti	gation:		
Impact: This impact is mostly relate activities that generate return flows, especiareas are over irrigated or cany production waste.	ed to t would urn ally if er ontain on	Impact Sou Due to the the project persist in th term in the operational impact.	rce: nature of this will ne long	<ul> <li>It is impordirected in therefore managem concentracreate any</li> <li>Any wash on a monthat if any within the will be presented.</li> <li>Although and spraproducts,</li> </ul>	tant that no surfant or v	in swales in swales particularly whose sized correct odies.  packhouse shouthic loads / bacthes the local water quantrol system (driver) of environmentes systems shouthing systems systems shouthing systems shouthing systems shouthing systems systems systems shouthing systems shouthing systems shouthing systems shouthing systems systems shouthing systems systems shouthing systems systems systems shouthing systems system	Any runoff must or stormwater lere runoff is ly so as not to ld be monitored leria), to ensure ster courses it is ality limits that live through dipsentally sensitive ould also not be
Impact Signij	ficance						
	Extent	Duration	Severity	Reversibility	Irreplaceable	Probability	Impact
Without					Loss		Significance
Mitigation:	Site (1)	Long- term (4)	Moderate (4)	Completely (0)	Completely Partly (0.5) Definite (5) Moderat		Moderate (47.5)

With	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Minor (2)	Completely (0)	Partly (0.5)	Probable (3)	Low (22.5)
Potential to Moderate po			ate	Assessment Co Complete	nfidence:		

## 8.6 Impact 6: Cumulative impacts

Environment	tal	Activity/As	pect &	Proposed Miti	gation:		
Impact: The cumulati impacts are r to activities a in existence a increased in number of ha	related already and the the ouses	Due to the the project persist in the operationa impact. Ho is mostly readjacent te environmental though transforma already tak	nature of this will ne long I phase wever, this elated to rrestrial nts,	species sh that won't • Water us monitored aquatic er • Runoff fro	t regrowth should ould be removed t be utilised. e and quality o d as this has a dir ovironment. om any areas sho ny pollution (orga	on an ongoing before the sectimpact on the sectimpact on the section of the secti	ows should be ne quality of the using swales to
	Extent	Duration	Severity	Reversibility	Irreplaceable	Probability	Impact
Without Mitigation:	Site (1)	Long- term (4)	Moderate (4)	Completely (0)	Partly (0.5)	Definite (5)	Significance Moderate (47.5)
With	Extent	Duration	Severity	Reversibility	Irreplaceable Loss	Probability	Impact Significance
Mitigation:	Site (1)	Long- term (4)	Minor (2)	Completely (0)	Partly (0.5)	Probable (3)	Low (22.5)
Potential to Moderate po	_		ate	Assessment Co Complete	onfidence:		

#### 9. Conclusion and Recommendations

The results indicated that no important habitats will be affected by the proposed houses. However it is suggested that the following mitigations be considered:

- Alien plant regrowth should also be monitored, and any such species should be removed on an ongoing basis form areas that won't be utilised.
- Water use and quality of any return flows should be monitored as this has a direct impact on the quality of the aquatic environment.
- Runoff from any areas should be managed using swales to prevent any pollution (organic) of downstream areas.

With this in place the overall significance of the impacts could be reduced to LOW. This only applies to the physical changes to the observed environment, as the maximum allowable change to the hydrological environment (abstraction from dam) that will be allowed, will be determined by the Department of Water and Sanitation during the Water Use Authorisation process for the dam, if no license is in place.

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## 11. Appendix 1: Species Checklists

Source SANBI ADU <a href="http://vmus.adu.org.za/index.php?database">http://vmus.adu.org.za/index.php?database</a> Accessed 23 November 2019

AMPHIBIANS			
Brevicepitidae	Breviceps adspersus	Bushveld Rain Frog	Least Concern
Bufonidae	Sclerophrys capensis	Raucous Toad	Least Concern
Heleophrynidae	Heleophryne hewitti	Hewitt's Ghost Frog	Critically Endangered
Hyperoliidae	Hyperolius marmoratus	Painted Reed Frog	Least Concern (IUCN ver 3.1, 2013)
Pipidae	Xenopus laevis	Cape Clawed Toad	Least Concern
Pyxicephalidae	Amietia delalandii	Delalande's River Frog	Least Concern (2017)
Pyxicephalidae	Amietia fuscigula	Cape River Frog	Least Concern (2017)
Pyxicephalidae	Cacosternum boettgeri	Common Caco	Least Concern (2013)
Pyxicephalidae	Cacosternum nanum	Bronze Caco	Least Concern (2013)
Pyxicephalidae	Strongylopus fasciatus	Striped Stream Frog	Least Concern
Pyxicephalidae	Strongylopus grayii	Clicking Stream Frog	Least Concern
REPTILES			
Agamidae	Agama aculeata aculeata	Common Ground Agama	Least Concern (SARCA 2014)
Agamidae	Agama atra	Southern Rock Agama	Least Concern (SARCA 2014)
Chamaeleonidae	Bradypodion sp. (Groendal)	Groendal Dwarf Chameleon	
Chamaeleonidae	Bradypodion taeniabronchum	Elandsberg Dwarf Chameleon	Endangered (SARCA 2014)
Colubridae	Dispholidus typus typus	Boomslang	Least Concern (SARCA 2014)
Cordylidae	Pseudocordylus microlepidotus microlepidotus	Cape Crag Lizard	Least Concern (SARCA 2014)
Elapidae	Naja nivea	Cape Cobra	Least Concern (SARCA 2014)
Gekkonidae	Afroedura nov sp. 1 (Kouga)	Flat Gecko sp. 1 (Kouga)	·
Lacertidae	Pedioplanis burchelli	Burchell's Sand Lizard	Least Concern (SARCA 2014)
Lacertidae	Tropidosaura gularis	Cape Mountain Lizard	Least Concern (SARCA 2014)
Lamprophiidae	Lycodonomorphus rufulus	Brown Water Snake	Least Concern (SARCA 2014)
Lamprophiidae	Psammophylax rhombeatus	Spotted Grass Snake	Least Concern (SARCA 2014)
Scincidae	Acontias orientalis	Eastern Legless Skink	Least Concern (SARCA 2014)
Testudinidae	Chersina angulata	Angulate Tortoise	Least Concern (SARCA 2014)
Viperidae	Bitis arietans arietans	Puff Adder	Least Concern (SARCA 2014)
LEPIDOPTERA			
HESPERIIDAE	Spialia sataspes	Boland sandman	Least Concern (SABCA 2013)
HESPERIIDAE	Tsitana uitenhaga	Uitenhage sylph	Least Concern (SABCA 2013)

LYCAENIDAE	Aloeides aranda	Aranda copper	Least 2013)	Concern	(SABCA
LYCAENIDAE	Aloeides damarensis damarensis	Damara copper	Least 2013)	Concern	(SABCA
LYCAENIDAE	Aloeides depicta	Depicta copper	Least 2013)	Concern	(SABCA
LYCAENIDAE	Aloeides juana	Juana copper	Least 2013)	Concern	(SABCA
LYCAENIDAE	Aloeides pallida liversidgei	Giant copper	Least 2013)	Concern	(SABCA
LYCAENIDAE	Cacyreus marshalli	Common geranium bronze	Least 2013)	Concern	(SABCA
LYCAENIDAE	Capys alpheus alpheus	Orange banded protea	Least 2013)	Concern	(SABCA
LYCAENIDAE	Chrysoritis beulah	Beulah's opal	Least 2013)	Concern	(SABCA
LYCAENIDAE	Chrysoritis chrysaor	Burnished opal	Least 2013)	Concern	(SABCA
LYCAENIDAE	Chrysoritis zeuxo cottrelli	Cottrell's daisy copper	Least 2013)	Concern	(SABCA
LYCAENIDAE	Lachnocnema durbani	D'Urban's woolly legs	Least 2013)	Concern	(SABCA
LYCAENIDAE	Lampides boeticus	Pea blue	Least 2013)	Concern	(SABCA
LYCAENIDAE	Lepidochrysops sp.		,		
LYCAENIDAE	Lepidochrysops ketsi ketsi	Ketsi blue	Least 2013)	Concern	(SABCA
LYCAENIDAE	Lepidochrysops patricia	Patricia blue	Least 2013)	Concern	(SABCA
LYCAENIDAE	Lepidochrysops poseidon	Baviaanskloof blue	Least 2013)	Concern	(SABCA
LYCAENIDAE	Lepidochrysops robertsoni	Robertson's blue	Least 2013)	Concern	(SABCA
LYCAENIDAE	Lepidochrysops variabilis	Variable blue	Least 2013)	Concern	(SABCA
LYCAENIDAE	Leptomyrina lara	Cape black-eye	Least 2013)	Concern	(SABCA
LYCAENIDAE	Tarucus thespis	Vivid dotted blue	Least 2013)	Concern	(SABCA
LYCAENIDAE	Thestor murrayi	Murray's skolly	Least 2013)	Concern	(SABCA
LYCAENIDAE	Trimenia argyroplaga argyroplaga	Large silver-spotted copper	Least 2013)	Concern	(SABCA
NYMPHALIDAE	Acraea neobule neobule	Wandering donkey acraea	Least 2013)	Concern	(SABCA
NYMPHALIDAE	Aeropetes tulbaghia	Table mountain beauty	Least 2013)	Concern	(SABCA
NYMPHALIDAE	Charaxes pelias	Protea charaxes	Least 2013)	Concern	(SABCA
NYMPHALIDAE	Danaus chrysippus orientis	African monarch, Plain tiger	Least 2013)	Concern	(SABCA
NYMPHALIDAE	Hypolimnas misippus	Common diadem	Least 2013)	Concern	(SABCA

NYMPHALIDAE	Junonia hierta cebrene	Yellow pansy	Least Concern (SABCA 2013)
NYMPHALIDAE	Pardopsis punctatissima	Polka dot	Least Concern (SABCA 2013)
NYMPHALIDAE	Precis archesia archesia	Garden commodore	Least Concern (SABCA 2013)
NYMPHALIDAE	Precis octavia sesamus	Gaudy Commodore	Least Concern (SABCA 2013)
NYMPHALIDAE	Pseudonympha magus	Silver-bottom brown	Least Concern (SABCA 2013)
NYMPHALIDAE	Pseudonympha trimenii ruthae	Trimen's brown	Least Concern (SABCA 2013)
NYMPHALIDAE	Stygionympha vigilans	Western hillside brown	Least Concern (SABCA 2013)
NYMPHALIDAE	Stygionympha wichgrafi williami	Wichgraf's hillside brown	Least Concern (SABCA 2013)
NYMPHALIDAE	Vanessa cardui	Painted lady	Least Concern (SABCA 2013)
PAPILIONIDAE	Papilio demodocus demodocus	Citrus swallowtail	Least Concern (SABCA 2013)
PIERIDAE	Belenois aurota	Brown-veined white	Least Concern (SABCA 2013)
PIERIDAE	Pontia helice helice	Common meadow white	Least Concern (SABCA 2013)
PIERIDAE	Teracolus eris eris	Banded gold tip	Least Concern (SABCA 2013)
AVES (BIRDS)			
Common_group	Common_species	Genus	Species
Common_group Apalis	Common_species Bar-throated	Genus Apalis	Species thoracica
			<u> </u>
Apalis	Bar-throated	Apalis	thoracica
Apalis Apalis	Bar-throated Yellow-breasted	Apalis Apalis	thoracica flavida
Apalis Apalis Barbet	Bar-throated Yellow-breasted Acacia Pied	Apalis Apalis Tricholaema	thoracica flavida leucomelas
Apalis Apalis Barbet Barbet	Bar-throated Yellow-breasted Acacia Pied Black-collared	Apalis Apalis Tricholaema Lybius	thoracica flavida leucomelas torquatus
Apalis Apalis Barbet Barbet Batis	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape	Apalis Apalis Tricholaema Lybius Batis	thoracica flavida leucomelas torquatus capensis
Apalis Apalis Barbet Barbet Batis Bishop	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red	Apalis Apalis Tricholaema Lybius Batis Euplectes	thoracica flavida leucomelas torquatus capensis orix
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus	thoracica flavida leucomelas torquatus capensis orix zeylonus
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius	thoracica flavida leucomelas torquatus capensis orix zeylonus ferrugineus
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus	thoracica flavida leucomelas torquatus capensis orix zeylonus ferrugineus terrestris
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza	thoracica flavida leucomelas torquatus capensis orix zeylonus ferrugineus terrestris capensis tahapisi
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Emberiza	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bulbul Bunting Bunting Bush-shrike	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Emberiza Telophorus	thoracica flavida leucomelas torquatus capensis orix zeylonus ferrugineus terrestris capensis tahapisi flaviventris olivaceus
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting Bush-shrike Buzzard Buzzard Camaroptera	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive Jackal Steppe Green-backed	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Emberiza Telophorus Buteo Buteo Camaroptera	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris  olivaceus  rufofuscus  vulpinus  brachyura
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting Bush-shrike Buzzard Buzzard Camaroptera Canary	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive Jackal Steppe Green-backed Brimstone	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Emberiza Telophorus Buteo Camaroptera Crithagra	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris  olivaceus  rufofuscus  vulpinus  brachyura  sulphuratus
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting Bush-shrike Buzzard Camaroptera Canary Canary	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive Jackal Steppe Green-backed Brimstone Cape	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Emberiza Telophorus Buteo Buteo Camaroptera Crithagra Serinus	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris  olivaceus  rufofuscus  vulpinus  brachyura  sulphuratus  canicollis
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting Bush-shrike Buzzard Buzzard Camaroptera Canary	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive Jackal Steppe Green-backed Brimstone Cape Forest	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Telophorus Buteo Buteo Camaroptera Crithagra Serinus Crithagra	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris  olivaceus  rufofuscus  vulpinus  brachyura  sulphuratus  canicollis  scotops
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting Bush-shrike Buzzard Camaroptera Canary Canary Canary Canary Canary	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive Jackal Steppe Green-backed Brimstone Cape Forest Yellow-fronted	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Emberiza Telophorus Buteo Buteo Camaroptera Crithagra Crithagra Crithagra	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris  olivaceus  rufofuscus  vulpinus  brachyura  sulphuratus  canicollis  scotops  mozambicus
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting Bush-shrike Buzzard Camaroptera Canary Canary Canary Canary Chat	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive Jackal Steppe Green-backed Brimstone Cape Forest Yellow-fronted Anteating	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Telophorus Buteo Buteo Camaroptera Crithagra Serinus Crithagra Myrmecocichla	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris  olivaceus  rufofuscus  vulpinus  brachyura  sulphuratus  canicollis  scotops  mozambicus  formicivora
Apalis Apalis Barbet Barbet Batis Bishop Bokmakierie Boubou Brownbul Bulbul Bunting Bunting Bush-shrike Buzzard Camaroptera Canary Canary Canary Canary	Bar-throated Yellow-breasted Acacia Pied Black-collared Cape Southern Red Bokmakierie Southern Terrestrial Cape Cinnamon-breasted Golden-breasted Olive Jackal Steppe Green-backed Brimstone Cape Forest Yellow-fronted	Apalis Apalis Tricholaema Lybius Batis Euplectes Telophorus Laniarius Phyllastrephus Pycnonotus Emberiza Emberiza Telophorus Buteo Buteo Camaroptera Crithagra Crithagra Crithagra	thoracica  flavida  leucomelas  torquatus  capensis  orix  zeylonus  ferrugineus  terrestris  capensis  tahapisi  flaviventris  olivaceus  rufofuscus  vulpinus  brachyura  sulphuratus  canicollis  scotops  mozambicus

Cisticola	Grey-backed	Cisticola	subruficapilla
Cisticola	Lazy	Cisticola	aberrans
Cisticola	Levaillant's	Cisticola	tinniens
Cisticola	Zitting	Cisticola	juncidis
Coot	Red-knobbed	Fulica	cristata
Cormorant	Reed	Phalacrocorax	africanus
Cormorant	White-breasted	Phalacrocorax	carbo
Coucal	Burchell's	Centropus	burchellii
Crane	Blue	Anthropoides	paradiseus
Crested-flycatcher	Blue-mantled	Trochocercus	cyanomelas
Crow	Cape	Corvus	capensis
Crow	Pied	Corvus	albus
Cuckoo	Black	Cuculus	clamosus
Cuckoo	Klaas's	Chrysococcyx	klaas
Cuckoo	Red-chested	Cuculus	solitarius
Cuckoo-shrike	Black	Campephaga	flava
Cuckoo-shrike	Grey	Coracina	caesia
Dove	Laughing	Streptopelia	senegalensis
Dove	Lemon	Aplopelia	larvata
Dove	Red-eyed	Streptopelia	semitorquata
Dove	Tambourine	Turtur	tympanistria
Drongo	Fork-tailed	Dicrurus	adsimilis
Duck	African Black	Anas	sparsa
Duck	Yellow-billed	Anas	undulata
Eagle	African Crowned	Stephanoaetus	coronatus
Eagle	Martial	Polemaetus	bellicosus
Eagle	Verreaux's	Aquila	verreauxii
Eagle-owl	Spotted	Bubo	africanus
Egret	Cattle	Bubulcus	ibis
Firefinch	African	Lagonosticta	rubricata
Fiscal	Common (Southern)	Lanius	collaris
Fish-eagle	African	Haliaeetus	vocifer
Flycatcher	African Dusky	Muscicapa	adusta
Flycatcher	Fiscal	Sigelus	silens
Flycatcher	Spotted	Muscicapa	striata
Goose	Egyptian	Alopochen	aegyptiacus
		·	
Goose	Spur-winged	Plectropterus	gambensis
Goshawk Goshawk	African	Accipiter  Melierax	tachiro
	Southern Pale Chanting		canorus
Grassbird	Cape	Sphenoeacus	afer
Grebe	Little	Tachybaptus	ruficollis
Greenbul	Sombre	Andropadus	importunus
Guineafowl	Helmeted	Numida	meleagris
Gull	Kelp	Larus	dominicanus
Harrier	Black	Circus	maurus
Harrier-Hawk	African	Polyboroides	typus
Heron	Black-headed	Ardea	melanocephala

Honeyguide Greater Indicator indicator minor Honeyguide Lesser Indicator minor Honeyguide Scaly-throated Indicator minor Honeyguide Scaly-throated Indicator variegatus Hoopoe African Upupa ofricana Hornbill Crowned Tockus alboterminatus Ibis African Sacred Threskiornis aethiopicus Ibis Hadeda Bostrychia hagedash Indigobird Dusky Vidua funerea Kestrel Rock Folco rupicolus Kingfisher Brown-hooded Haloyon albiventris Kingfisher Half-collared Alcedo semitorquata Kingfisher Malachite Alcedo semitorquata Kingfisher Piela Ceryle rudis Kite Black-shouldered Elanus caeruleus Kite Yellow-billied Milvus aegyptius Lapwing Growned Vanellus armatus Lapwing Growned Vanellus coronatus Lark Red-capped Colandrella cinerea Lark Red-capped Colandrella cinerea Marsh-harrier African Circus ranivorus Martin Brown-throated Riporia paludicola Martin Rock Hirundo fulligula Martin Rock Hirundo fulligula Masked-weaver Southern Ploceus velatus Mousebird Speckled Collus striatus Neddicky Neddicky Cisticola fullivicapilla Olive-pigoon African Cypsiurus parvus Palm-swift African Cypsiurus parvus Pardase-flycatcher African Terpsiphone viridis Palm-swift African Cope Monticola rupestris Raven White-necked Corvus albicollis Rock-thrush Cape Monticola rupestris Rush-warbler Little Bradypterus baboecola Saw-wing Black (Southern race) Passer domesticus	Heron	Grey	Ardea	cinerea
Honeyguide Lesser Indicator minor Honeyguide Scaly-throated Indicator variegatus Hooppe African Upupa africana Hornbill Crowned Tockus albaterminatus Ibis African Sacred Threskiornis aethiopicus Ibis Hadeda Bostrychia hagedash Indigobird Dusky Vidua funerea Kestrel Rock Falco rupicolus Kingfisher Brown-hooded Halcyon albiventris Kingfisher Malf-collared Alcedo semitorquata Kingfisher Pied Ceryle rudis Kite Black-shouldered Elanus caeruleus Kite Vellow-billed Milvus aegyptius Lapwing Blacksmith Vanellus armatus Lapwing Crowned Vanellus coronatus Lark Red-capped Calondrella cinerea Langelaw Cape Macronyx capensis Martin Brown-throated Riparia poludicola Martin Rock Hirundo fullgula Marked-weaver Southern Ploceus velatus Moosheri Speckled Colius striatus Mousebird Red-faced Urocolius Indicus Mousebird Red-faced Oriolus Indicus Mousebird Red-faced Oriolus Indicus Palm-swift African Columba armatus Mousebird Red-faced Oriolus Indicus Mousebird Red-faced Ori		·		
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MousebirdSpeckledColiusstriatusNeddickyNeddickyCisticolafulvicapillaOlive-pigeonAfricanColumbaarquatrixOrioleBlack-headedOrioluslarvatusPalm-swiftAfricanCypsiurusparvusParadise-flycatcherAfricanTerpsiphoneviridisPigeonSpeckledColumbaguineaPloverThree-bandedCharadriustricollarisPriniaKarooPriniamaculosaPuffbackBlack-backedDryoscopuscublaQueleaRed-billedQueleaqueleaRavenWhite-neckedCorvusalbicollisRobin-chatCapeCossyphacaffraRock-thrushCapeMonticolarupestrisRush-warblerLittleBradypterusbaboecalaSaw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Moorhen	Common	Gallinula	chloropus
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Olive-pigeon African Columba arquatrix Oriole Black-headed Oriolus larvatus Palm-swift African Cypsiurus parvus Paradise-flycatcher African Terpsiphone viridis Pigeon Speckled Columba guinea Plover Three-banded Charadrius tricollaris Prinia Karoo Prinia maculosa Puffback Black-backed Dryoscopus cubla Quelea Red-billed Quelea quelea Raven White-necked Corvus albicollis Robin-chat Cape Cossypha caffra Rock-thrush Cape Monticola rupestris Rush-warbler Little Bradypterus baboecala Saw-wing Black (Southern race) Psalidoprocne holomelaena Scrub-robin Brown Cercotrichas signata Scrub-robin White-browed Crithagra gularis Sparrow Cape Passer melanurus	Mousebird	Speckled	Colius	striatus
OrioleBlack-headedOrioluslarvatusPalm-swiftAfricanCypsiurusparvusParadise-flycatcherAfricanTerpsiphoneviridisPigeonSpeckledColumbaguineaPloverThree-bandedCharadriustricollarisPriniaKarooPriniamaculosaPuffbackBlack-backedDryoscopuscublaQueleaRed-billedQueleaqueleaRavenWhite-neckedCorvusalbicollisRobin-chatCapeCossyphacaffraRock-thrushCapeMonticolarupestrisRush-warblerLittleBradypterusbaboecalaSaw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Neddicky	Neddicky	Cisticola	fulvicapilla
Palm-swiftAfricanCypsiurusparvusParadise-flycatcherAfricanTerpsiphoneviridisPigeonSpeckledColumbaguineaPloverThree-bandedCharadriustricollarisPriniaKarooPriniamaculosaPuffbackBlack-backedDryoscopuscublaQueleaRed-billedQueleaqueleaRavenWhite-neckedCorvusalbicollisRobin-chatCapeCossyphacaffraRock-thrushCapeMonticolarupestrisRush-warblerLittleBradypterusbaboecalaSaw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Olive-pigeon	African	Columba	arquatrix
Paradise-flycatcher African Terpsiphone viridis Pigeon Speckled Columba guinea Plover Three-banded Charadrius tricollaris Prinia Karoo Prinia maculosa Puffback Black-backed Dryoscopus cubla Quelea Red-billed Quelea quelea Raven White-necked Corvus albicollis Robin-chat Cape Cossypha caffra Rock-thrush Cape Monticola rupestris Rush-warbler Little Bradypterus baboecala Saw-wing Black (Southern race) Psalidoprocne holomelaena Scrub-robin Brown Cercotrichas signata Scrub-robin White-browed Crithagra gularis Sparrow Cape Passer melanurus	Oriole	Black-headed	Oriolus	larvatus
PigeonSpeckledColumbaguineaPloverThree-bandedCharadriustricollarisPriniaKarooPriniamaculosaPuffbackBlack-backedDryoscopuscublaQueleaRed-billedQueleaqueleaRavenWhite-neckedCorvusalbicollisRobin-chatCapeCossyphacaffraRock-thrushCapeMonticolarupestrisRush-warblerLittleBradypterusbaboecalaSaw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Palm-swift	African	Cypsiurus	parvus
Plover Three-banded Charadrius tricollaris Prinia Karoo Prinia maculosa Puffback Black-backed Dryoscopus cubla Quelea Red-billed Quelea quelea Raven White-necked Corvus albicollis Robin-chat Cape Cossypha caffra Rock-thrush Cape Monticola rupestris Rush-warbler Little Bradypterus baboecala Saw-wing Black (Southern race) Psalidoprocne holomelaena Scrub-robin Brown Cercotrichas signata Scrub-robin White-browed Cercotrichas gularis Sparrow Cape Passer melanurus	Paradise-flycatcher	African	Terpsiphone	viridis
Prinia Karoo Prinia maculosa  Puffback Black-backed Dryoscopus cubla  Quelea Red-billed Quelea quelea  Raven White-necked Corvus albicollis  Robin-chat Cape Cossypha caffra  Rock-thrush Cape Monticola rupestris  Rush-warbler Little Bradypterus baboecala  Saw-wing Black (Southern race) Psalidoprocne holomelaena  Scrub-robin Brown Cercotrichas signata  Scrub-robin White-browed Cercotrichas leucophrys  Seedeater Streaky-headed Crithagra gularis  Sparrow Cape Passer melanurus	Pigeon	Speckled	Columba	guinea
PuffbackBlack-backedDryoscopuscublaQueleaRed-billedQueleaqueleaRavenWhite-neckedCorvusalbicollisRobin-chatCapeCossyphacaffraRock-thrushCapeMonticolarupestrisRush-warblerLittleBradypterusbaboecalaSaw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Plover	Three-banded	Charadrius	tricollaris
QueleaRed-billedQueleaqueleaRavenWhite-neckedCorvusalbicollisRobin-chatCapeCossyphacaffraRock-thrushCapeMonticolarupestrisRush-warblerLittleBradypterusbaboecalaSaw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Prinia	Karoo	Prinia	maculosa
Raven White-necked Corvus albicollis  Robin-chat Cape Cossypha caffra  Rock-thrush Cape Monticola rupestris  Rush-warbler Little Bradypterus baboecala  Saw-wing Black (Southern race) Psalidoprocne holomelaena  Scrub-robin Brown Cercotrichas signata  Scrub-robin White-browed Cercotrichas leucophrys  Seedeater Streaky-headed Crithagra gularis  Sparrow Cape Passer melanurus	Puffback	Black-backed	Dryoscopus	cubla
Robin-chatCapeCossyphacaffraRock-thrushCapeMonticolarupestrisRush-warblerLittleBradypterusbaboecalaSaw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Quelea	Red-billed	Quelea	quelea
Rock-thrush Cape Monticola rupestris Rush-warbler Little Bradypterus baboecala Saw-wing Black (Southern race) Psalidoprocne holomelaena Scrub-robin Brown Cercotrichas signata Scrub-robin White-browed Cercotrichas leucophrys Seedeater Streaky-headed Crithagra gularis Sparrow Cape Passer melanurus	Raven	White-necked	Corvus	albicollis
Rush-warbler Little Bradypterus baboecala Saw-wing Black (Southern race) Psalidoprocne holomelaena Scrub-robin Brown Cercotrichas signata Scrub-robin White-browed Cercotrichas leucophrys Seedeater Streaky-headed Crithagra gularis Sparrow Cape Passer melanurus	Robin-chat	Cape	Cossypha	caffra
Saw-wingBlack (Southern race)PsalidoprocneholomelaenaScrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Rock-thrush	Cape	Monticola	<u>'</u>
Scrub-robinBrownCercotrichassignataScrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus	Rush-warbler	Little	Bradypterus	baboecala
Scrub-robinWhite-browedCercotrichasleucophrysSeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus		Black (Southern race)	Psalidoprocne	holomelaena
SeedeaterStreaky-headedCrithagragularisSparrowCapePassermelanurus		Brown		signata
Sparrow Cape Passer melanurus	Scrub-robin	White-browed	Cercotrichas	· · ·
	Seedeater	Streaky-headed	Crithagra	gularis
Sparrow House Passer domesticus	Sparrow	Cape	Passer	melanurus
	Sparrow	House	Passer	domesticus

Sparrow	Southern Grey-headed	Passer	diffusus
Sparrowhawk	Black	Accipiter	melanoleucus
Sparrowhawk	Little	Accipiter	minullus
Spoonbill	African	Platalea	alba
Spurfowl	Red-necked	Pternistis	afer
Starling	Black-bellied	Lamprotornis	corruscus
		· ·	
Starling	Cape Glossy Common	Lamprotornis	nitens
Starling		Sturnus	vulgaris
Starling	Pied	Spreo	bicolor
Starling	Red-winged	Onychognathus	morio
Stilt	Black-winged	Himantopus	himantopus
Stonechat	African	Saxicola	torquatus
Stork	White	Ciconia	ciconia
Sugarbird	Cape	Promerops	cafer
Sunbird	Amethyst	Chalcomitra	amethystina
Sunbird	Collared	Hedydipna	collaris
Sunbird	Greater Double-collared	Cinnyris	afer
Sunbird	Grey	Cyanomitra	veroxii
Sunbird	Malachite	Nectarinia	famosa
Sunbird	Orange-breasted	Anthobaphes	violacea
Sunbird	Southern Double-collared	Cinnyris	chalybeus
Swallow	Barn	Hirundo	rustica
Swallow	Greater Striped	Hirundo	cucullata
Swallow	Lesser Striped	Hirundo	abyssinica
Swallow	White-throated	Hirundo	albigularis
Swamp-warbler	Lesser	Acrocephalus	gracilirostris
Swift	Alpine	Tachymarptis	melba
Swift	Horus	Apus	horus
Swift	Little	Apus	affinis
Swift	White-rumped	Apus	caffer
Tchagra	Southern	Tchagra	tchagra
Teal	Cape	Anas	capensis
Thrush	Olive	Turdus	olivaceus
Tinkerbird	Red-fronted	Pogoniulus	pusillus
Tit-babbler	Chestnut-vented	Parisoma	subcaeruleum
Trogon	Narina	Apaloderma	narina
Turaco	Knysna	Tauraco	corythaix
Turtle-dove	Cape	Streptopelia	capicola
Wagtail	Cape	Motacilla	capensis
Warbler	Knysna	Bradypterus	sylvaticus
Warbler	Victorin's	Cryptillas	victorini
Waxbill	Common	Estrilda	astrild
Waxbill	Swee	Coccopygia	melanotis
Weaver	Cape	Ploceus	capensis
Weaver	Dark-backed	Ploceus	bicolor
Weaver	Spectacled	Ploceus	ocularis
Weaver	Thick-billed		albifrons
vveavei	mick-billed	Amblyospiza	นเมเราบทร

Weaver	Village	Ploceus	cucullatus
White-eye	Cape	Zosterops	virens
Whydah	Pin-tailed	Vidua	macroura
Wood-dove	Emerald-spotted	Turtur	chalcospilos
Wood-hoopoe	Green	Phoeniculus	purpureus
Woodland-warbler	Yellow-throated	Phylloscopus	ruficapilla
Woodpecker	Cardinal	Dendropicos	fuscescens
Woodpecker	Knysna	Campethera	notata
Woodpecker	Olive	Dendropicos	griseocephalus