

GOUKAMMA NATURE RESERVE (3422 BB)

Goukamma Nature Reserve (ecosystem reserve) lies 22 km west of Knysna - the southern boundary is formed by the Indian Ocean. The reserve forms part of the George/Knysna lake and sand-dune complex and includes the following ecosystems -

- (1) Groenvlei freshwater coastal lake.
- (2) Goukamma River and estuary.
- (3) Sand-dunes-covered largely by indigenous fynbos and bush.

Acocks (1953) classifies the area as coastal renosterbosveld. Rain falls throughout the year and the annual mean is + 700 mm. More detailed descriptions of the reserve can be found in van der Merwe (1970; 1976).

MAMMALS

Mammal material was collected intensively during the first quarter of 1973 by the authors.

Species/...

Species	Common name	Distribution	Status	General
<u>INSECTIVORA</u> <u>Myosorex varius</u>	Forest shrew	Banks of Goukamma River and to a lesser extent in the dunes at the mouth of the river	Common	Probably occurs throughout
<u>Crocidura flavescens</u>	Red musk shrew	Banks of the Goukamma River and indigenous bush on the slopes above Groenvlei	Fairly common	
				Surface tunnels of a golden mole species were abundant in the sand-dune area and just above the high water mark at the mouth of the river. No specimens secured.
<u>CHIROPTERA</u> <u>PRIMATES</u> <u>Cercopithecus pygerythrus</u>	Vervet monkey	Throughout- although largely avoiding very open areas	Probably 3 troops	Sight records for camping area, exotic bush, milkwood forest, Groenvlei and dunes.

Species	Common name	Distribution	Status	General
<u>CARNIVORA</u> <u>Genetta tigrina</u>	Large spotted genet	Exotic bush; riverine scrub and milkwood forest	Fairly common	Genet tracks were found just above the high water mark at the river mouth.
<u>Herpestes pulverulentus</u>	Cape grey mongoose	Throughout - avoiding dense indigenous woodland	Common	Animals appear to be most abundant in exotic bush - probably due to the high <u>Rhabdomys</u> population
<u>Atilax paludinosus</u>	Water mongoose	Goukamma River and probably Groenvlei	Common in the area	
<u>Felix caracal</u>	Caracal	Probably throughout	Unknown - probably fairly common	One juvenile animal trapped between milkwood forest and scrub covered dunes. Tracks and scats noted in the more open dune areas.

Species	Common name	Distribution	Status	General
<u>Aonyx capensis</u>	Clawless otter	Present along the Goukamma River and along the beach	Probably resident	A small juvenile was collected on the reserve (Goukamma River) in 1977
<u>Mellivora capensis</u>	Honey badger	Two specimens trapped in dunes (eastern side) (T.H. Heinecken pers. comm.)	Rare	This is the only record for the reserve
<u>PINNIPEDIA</u> <u>Arctocephalus pusillus</u>	Cape fur-seal		Irregular	
<u>ARTIODACTYLA</u> <u>Potamochoerus porcus</u>	Bush pig	Sign found in milkwood and exotic bush areas	Fairly common	From tracks it would appear that the animals present move around considerably
<u>Tragelaphus scriptus</u>	Bushbuck	Noted in both exotic and indigenous bush areas	Fairly common	

Taurotragus oryx/...

Species	Common name	Distribution	Status	General
<u>Taurotragus oryx</u>	Eland			Occurred naturally in the past. Two attempts at re-introduction have failed
<u>Cephalophus monticola</u>	Blue duiker	One set of tracks in milkwood area	Rare	
<u>Damaliscus d. dorcas</u>	Bontebok		7 (June 1970)	Introduced from De Hoop
<u>Raphicerus melanotis</u>	Grysbok	Apparently throughout	Fairly common	Locals say that there has been a marked drop in this species numbers
<u>RODENTIA</u>				
<u>Otomys irroratus</u>	Vlei rat	Goukamma River and Groenvlei	Common	
<u>Rhabdomys pumilio</u>	Striped mouse	Throughout	Very common	Particularly abundant in exotic vegetation stands
<u>Praomys (natalensis ?)</u>	(Multimammate rat)	East bank of Goukamma River	Unknown	Identification not confirmed as yet

Species	Common name	Distribution	Status	General
<u>Rattus rattus</u>	Black rat	Buildings at Goukamma	Probably common	
<u>Hystrix africae-australis</u>	Cape porcupine	Throughout	Common	One sight record on edge of milkwood; sign frequently encountered
<u>Bathyergus suillus</u>	Cape dune mole-rat	Dune area	Common	
<u>Cryptomys hottentotus</u>	Common mole-rat	Vicinity of Groenvlei and along banks of Goukamma River		

BIRDS/...

BIRDS

Records were taken from Van der Merwe (1970; 1976), Outeniqua Naturalists Society records, W. Muir (unpublished roneoed sheets), limited records of the senior author, Lockhart (1969) and Annual Reports. Roberts numbers in brackets and underlined indicate those species which require confirmation.

Roberts number	Species	Common name
PODICIPIDAE		
4	<u>Podiceps cristatus</u>	Great crested grebe
5	<u>Podiceps nigricollis</u>	Black-necked grebe
6	<u>Tachybaptus ruficollis</u>	Dabchick
PHALACROCORACIDAE		
47	<u>Phalacrocorax carbo</u>	White-breasted cormorant
48	<u>Phalacrocorax capensis</u>	Cape cormorant
(49)	<u>Phalacrocorax neglectus</u>	Bank cormorant
50	<u>Phalacrocorax africanus</u>	Reed cormorant
ANHINGIDAE		
52	<u>Anhinga rufa</u>	Darter
ARDEIDAE		
54	<u>Ardea cinerea</u>	Grey heron
55	<u>Ardea melanocephala</u>	Black-headed heron
57	<u>Ardea purpurea</u>	Purple heron
59	<u>Egretta garzetta</u>	Little egret
60	<u>Egretta intermedia</u>	Yellow-billed egret
		61/...

Roberts Number	Species	Common name
61	<u>Bubulcus ibis</u>	Cattle egret
64	<u>Egretta ardesiaca</u>	Black egret
67	<u>Ixobrychus minutus</u>	Little bittern
69	<u>Nycticorax nycticorax</u>	Night heron
SCOPIIDAE 72	<u>Scopus umbretta</u>	Hamerkop
THRESKIORNITHIDAE 84	<u>Hagedashia hagedash</u>	Hadeda
ANATIDAE 87 X 88 89 90 94 95 96 98 100 102 103 104	<u>Cygnus olor</u> <u>Plectropterus gambensis</u> <u>Alopochen aegyptiacus</u> <u>Tadorna cana</u> <u>Anas smithii</u> <u>Anas sparsa</u> <u>Anas undulata</u> <u>Anas capensis</u> <u>Dendrocygna viduata</u> <u>Netta erythrophthalma</u> <u>Oxyura punctata</u> <u>Thalassornis leuconotus</u>	Mute swan (introduced) Spur-winged goose Egyptian goose South African shelduck Cape shoveler Black duck Yellow-billed duck Cape teal White-faced whistling duck Red-eyed pochard Maccoa duck White-backed duck

SAGITTARIIDAE/...

Roberts Number	Species	Common name
SAGITTARIIDAE 105	<u>Sagittarius serpentarius</u>	Secretary bird
FALCONIDAE 114 123	<u>Falco biarmicus</u> <u>Falco tinnunculus</u>	Lanner Rock kestrel
AQUILIDAE 130 142 149 152 156 158 160 167 169 172	<u>Elanus caeruleus</u> <u>Polemaetus bellicosus</u> <u>Haliaeetus vocifer</u> <u>Buteo rufofuscus</u> <u>Accipiter rufiventris</u> <u>Accipiter minullus</u> <u>Accipiter tachiro</u> <u>Circus ranivorus</u> <u>Circus maurus</u> <u>Pandion haliaetus</u>	Black-shouldered kite Martial eagle Fish eagle Jackal buzzard Red-breasted sparrow-hawk Little sparrowhawk African goshawk African marsh-harrier Black harrier Osprey
PHASIANIDAE 181 188	<u>Francolinus capensis</u> <u>Pternistis afer</u>	Cape francolin Red-necked francolin
NUMIDIDAE 192	<u>Numida meleagris</u>	Crowned guinea-fowl

RALLIDAE/...

Roberts Number	Species	Common name
RALLIDAE 197 203 206 208 209 210 212	<u>Rallus caerulescens</u> <u>Limnocolax flavirostris</u> <u>Sarothrura elegans</u> <u>Porphyrio porphyrio</u> <u>Porphyrio alleni</u> <u>Gallinula chloropus</u> <u>Fulica cristata</u>	Water rail Black crane Buff-spotted flufftail (specimen) Purple gallinule Lesser gallinule (apparently has bred on Groenvlei) Moorhen Red-knobbed coot
HELIORNITHIDAE 213	<u>Podica senegalensis</u>	Finfoot
GRUIDAE 216	<u>Anthropoides paradisea</u>	Blue crane
OTIDAE 219	<u>Otis denhami</u>	Stanley bustard
JACANIDAE 228	<u>Actophilornis africanus</u>	African jacana
ROSTRATULIDAE 230	<u>Rostratula benghalensis</u>	Painted snipe

Roberts Number	Species	Common name
HAEMATOPODIDAE 231	<u>Haematopus moquini</u>	Black oystercatcher
CHARADRIIDAE 233 235 237 238 241 242 245	<u>Charadrius hiaticula</u> <u>Charadrius marginatus</u> <u>Charadrius pecuarius</u> <u>Charadrius tricollaris</u> <u>Pluvialis squatarola</u> <u>Stephanibyx coronatus</u> <u>Hoplopterus armatus</u>	Ringed plover White-fronted sandplover Kittlitz's sandplover Three-banded sandplover Grey plover Crowned plover Blacksmith plover
SCOLOPACIDAE 250 255 257 258 261 262 263 264 267	<u>Gallinago nigripennis</u> <u>Calidris alba</u> <u>Xenus cinereus</u> <u>Tringa hypoleucos</u> <u>Tringa totanus</u> <u>Tringa stagnatilis</u> <u>Tringa nebularia</u> <u>Tringa glareola</u> <u>Numenius arquata</u>	Ethiopian snipe Sanderling Terek sandpiper Common sandpiper Redshank Marsh sandpiper Greenshank Wood sandpiper Curlew
RECURVIROSTRIDAE 269 270	<u>Recurvirostra avosetta</u> <u>Himantopus himantopus</u>	Avocet Stilt

Roberts Number	Species	Common name
BURHINIDAE 274 275	<u>Burhinus vermiculatus</u> <u>Burhinus capensis</u>	Water dikkop Dikkop
LARIDAE 287 288	<u>Larus dominicanus</u> <u>Larus cirrocephalus</u>	Southern black-backed gull Grey-headed gull
STERNIDAE 290 291 (297) 298 304 305	<u>Hydroprogne caspia</u> <u>Sterna hirundo</u> <u>Sterna bengalensis</u> <u>Sterna bergii</u> <u>Chlidonias leucoptera</u> <u>Chlidonias hybrida</u>	Caspian tern Common tern Lesser crested tern Swift tern White-winged black tern Whiskered tern
COLUMBIDAE 311 312 314 316 317 318 319 322	<u>Columba guinea</u> <u>Columba arquatrix</u> <u>Streptopelia semitroquata</u> <u>Streptopelia capicola</u> <u>Stigmatopelia senegalensis</u> <u>Oena capensis</u> <u>Turtur tympanistria</u> <u>Aplopelia larvata</u>	Rock pigeon Rameron pigeon Red-eyed turtle dove Cape turtle dove Laughing dove Namaqua dove Tambourine dove Cinnamon dove

MUSOPHAGIDAE/...

Roberts Number	Species	Common name
MUSOPHAGIDAE 336	<u>Tauraco corythaix</u>	Knysna loerie
CUCULIDAE 343 348 350 351 352 356	<u>Cuculus solitarius</u> <u>Clamator jacobinus</u> <u>Chrysococcyx cupreus</u> <u>Chrysococcyx klaas</u> <u>Chrysococcyx caprius</u> <u>Centropus superciliosus</u>	Red-chested cuckoo Jacobin cuckoo Emerald cuckoo Klaas's cuckoo Diederik cuckoo White-browed coucal
TYTONIDAE 359	<u>Tyto alba</u>	Barn owl
BUBONIDAE 368	<u>Bubo africanus</u>	Spotted eagle owl
CAPRIMULGIDAE 373	<u>Caprimulgus pectoralis</u>	Fiery-necked nightjar
MICROPODIDAE 380 383 385 386	<u>Apus barbatus</u> <u>Apus caffer</u> <u>Apus affinis</u> <u>Apus melba</u>	Black swift White-rumped swift Little swift Alpine swift

COLIIDAE/...

Roberts Number	Species	Common name
COLIIDAE 390 392	<u>Colius striatus</u> <u>Urocolius indicus</u>	Speckled mousebird Red-faced mousebird
ALCEDINIDAE 394 395 396 397 402	<u>Ceryle rudis</u> <u>Megaceryle maxima</u> <u>Alcedo semitorquata</u> <u>Corythornis cristata</u> <u>Halcyon albiventris</u>	Pied kingfisher Giant kingfisher Half-collared kingfisher Malachite kingfisher Brown-hooded kingfisher
MEROPIIDAE (411)	<u>Dicrocerus hirundineus</u>	Swallow-tailed bee-eater
CORACIIDAE 412	<u>Coracias garrulus</u>	European roller
UPUPIDAE 418 419	<u>Upupa africana</u> <u>Phoeniculus purpureus</u>	African hoopoe Red-billed hoopoe
CAPITONIDAE 432	<u>Tricholaema leucomelas</u>	Pied barbet

INDICATORIDAE/...

Roberts Number	Species	Common name
INDICATORIDAE 440 441	<u>Indicator indicator</u> <u>Indicator variegatus</u>	Greater honeyguide Scaly-throated honeyguide
PICIDAE 448 450 452	<u>Campepthera notata</u> <u>Dendropicos fuscescens</u> <u>Mesopicos griseocephalus</u>	Knysna woodpecker Cardinal woodpecker Olive woodpecker
HIRUNDINIDAE 493 495 502 506 509 511	<u>Hirundo rustica</u> <u>Hirundo albigularis</u> <u>Cecropis cucullata</u> <u>Ptyonoprogne fuligula</u> <u>Riparia paludicola</u> <u>Psalidoprocne holomelaena</u>	European swallow White-throated swallow Greater striped swallow Rock martin African sand martin Black saw-wing swallow
CAMPEPHAGIDAE 513 516	<u>Campephaga phoenicea</u> <u>Coracina caesia</u>	Black cuckoo-shrike Grey cuckoo-shrike
DICRURIDAE 517	<u>Dicrurus adsimilis</u>	Fork-tailed drongo

ORIOLIDAE/...

Roberts Number	Species	Common name
ORIOLIDAE 519 521	<u>Oriolus oriolus</u> <u>Oriolus larvatus</u>	European golden oriole Black-headed oriole
CORVIDAE 523 524	<u>Corvus capensis</u> <u>Corvultur albicollis</u>	Black crow White-necked raven
PYCNONOTIDAE 543 (544) 546 551	<u>Pycnonotus capensis</u> <u>Pycnonotus nigricans</u> <u>Phyllastrephus terrestris</u> <u>Andropadus importunus</u>	Cape bulbul Red-eyed bulbul Terrestrial bulbul Sombre bulbul
TURDIDAE 553 576 578 581	<u>Turdus olivaceus</u> <u>Saxicola torquata</u> <u>Cossypha dichroa</u> <u>Cossypha caffra</u>	Olive thrush Stone chat Chorister robin Cape robin
SYLVIIDAE 599 604 606 609 (610) 611 612	<u>Phylloscopus trochilus</u> <u>Calamocichla gracilirostris</u> <u>Acrocephalus baeticatus</u> <u>Bradypterus baboeculus</u> <u>Bradypterus barratti</u> <u>Bradypterus sylvaticus</u> <u>Bradypterus victorini</u>	Willow warbler Cape reed warbler African marsh warbler African sedge warbler Scrub warbler Knysna scrub warbler Victorin's scrub warbler 618/...

Roberts Number	Species	Common name
618 622 627 631 637 638 639 646	<u>Sphenoeacus afer</u> <u>Apalis thoracica</u> <u>Camaroptera brachyura</u> <u>Cisticola textrix</u> <u>Cisticola fulvicapilla</u> <u>Cisticola subruficapilla</u> <u>Cisticola lais</u> <u>Cisticola tinniens</u>	Grassbird Bar-throated apalis Bleating bush warbler Cloud cisticola Neddicky Grey-backed cisticola Wailing cisticola Le Vaillant's cisticola
PRINIIDAE 651	<u>Prinia maculosa</u>	Karoo prinia
MUSCICAPIDAE 654 655 664 665 671 672 680 682	<u>Muscicapa striata</u> <u>Muscicapa adusta</u> <u>Melaenornis pammelaina</u> <u>Sigelus silens</u> <u>Seicercus ruficapilla</u> <u>Batis capensis</u> <u>Trochocercus cyanomelas</u> <u>Terpsiphone viridis</u>	Spotted flycatcher Dusky flycatcher Black flycatcher Fiscal flycatcher Yellow-throated warbler Cape batis Blue-mantled flycatcher Paradise flycatcher
MOTACILLIDAE 686 694 703	<u>Motacilla capensis</u> <u>Anthus leucophrys</u> <u>Macronyx capensis</u>	Cape wagtail Plain-backed pipit (specimen) Orange-throated longclaw

LANIIDAE/...

Roberts Number	Species	Common name
LANIIDAE 707 709 712 713 715 717 719 722	<u>Lanius collaris</u> <u>Laniarius ferrugineus</u> <u>Dryoscopus cubla</u> <u>Tchagra tchagra</u> <u>Tchagra senegala</u> <u>Chlorophoneus olivaceus</u> <u>Chlorophoneus sulphureopectus</u> <u>Telophorus zeylonus</u>	Fiscal Boubou Puffback shrike Tchagra Black-crowned tchagra Olive bush shrike Orange-breasted bush shrike Bokmakierie
STURNIDAE 733 735 737 740 745 746	<u>Sturnus vulgaris</u> <u>Creatophora cinerea</u> <u>Lamprotornis nitens</u> <u>Lamprotornis corruscus</u> <u>Onychognathus morio</u> <u>Spreo bicolor</u>	European starling Wattled starling Cape glossy starling Black-bellied glossy starling Red-winged starling Pied starling
NECTARINIIDAE 751 753 758 760 772	<u>Nectarinia famosa</u> <u>Anthobaphes violacea</u> <u>Cinnyris afer</u> <u>Cinnyris chalybeus</u> <u>Chalcomitra amethystina</u>	Malachite sunbird Orange-breasted sunbird Gt. double-collared sunbird L. double-collard sunbird Black sunbird
ZOSTEROPIIDAE 775	<u>Zosterops pallidus</u>	Cape white-eye

PLOCEIDAE/...

Roberts Number	Species	Common name
PLOCEIDAE		
784	<u>Passer domesticus</u>	House sparrow
786	<u>Passer melanurus</u>	Cape sparrow
790	<u>Symplectes bicolor</u>	Forest weaver
799	<u>Ploceus capensis</u>	Cape weaver
808	<u>Euplectes orix</u>	Red bishop
810	<u>Euplectes capensis</u>	Cape widow
825	<u>Coccopygia melanotis</u>	Swee waxbill
843	<u>Estrilda astrild</u>	Common waxbill
846	<u>Vidua macroura</u>	Pin-tailed whydah
FRINGILLIDAE		
855	<u>Serinus totta</u>	Cape siskin
857	<u>Serinus canicollis</u>	Cape canary
858	<u>Serinus scotops</u>	Forest canary
863	<u>Crithagra sulphurata</u>	Bully seed-eater
865	<u>Crithagra albobularis</u>	White-throated seed-eater
866	<u>Crithagra flaviventris</u>	Yellow canary
867	<u>Poliospiza gularis</u>	Streaky-headed seed-eater
873	<u>Fringillaria capensis</u>	Cape bunting

REPTILES/...

REPTILES

Species	Common name
<u>SNAKES</u>	
<u>COLUBRIDAE</u>	
<u>Lamprophis inornatus</u>	Olive house snake
<u>Psammophylax rhombeatus</u>	Rhombic skaapsteker
<u>Psammophis crucifer</u>	Cross-marked grass snake
<u>VIPERIDAE</u>	
<u>Bitis arietans</u>	Puffadder
<u>LIZARDS</u>	
<u>SCINCIDAE</u>	
<u>Mabuya capensis</u>	Striped skink
<u>Acontias meleagris</u>	Golden sand-skink
<u>TORTOISES</u>	
<u>Chersina angulata</u>	Angulate tortoise
<u>Pelomedusa subrufa</u>	Water tortoise

AMPHIBIANS/...

AMPHIBIANS

Species	Common name
<u>BUFONIDAE</u> <u>Bufo rangeri</u>	Ranger's toad
<u>RANIDAE</u> <u>Tomopterna d. delalandii</u>	Cape dwarf-bullfrog
<u>Rana grayi</u>	Gray's frog
<u>Cacosternum nanum + boettgeri</u>	Dainty frogs
<u>Kassina wealei</u>	Weale's kassina
<u>Hyperolius horstocki</u>	Arum-frog

FISH

The reference numbers refer to Smith (1965).

GROENVLEI/...

GROENVLEI

Species	Common name	General
<u>STOLEPHORIDAE</u> <u>Gilchristella aestuarius</u>	Whitebait	Indigenous (108)
<u>ATHERINIDAE</u> <u>Hepsetia breviceps</u>	Silverside	Indigenous (893)
<u>CENTRARCHIDAE</u> <u>Micropterus salmoides</u>	Largemouth bass	Introduced
<u>Lepomis macrochirus</u>	Bluegill	Introduced
<u>CICHLIDAE</u> <u>Serotherodon mossambica</u>	Mozambique bream	Introduced
<u>Gambusia affinis</u>	Top minnow	Introduced
<u>GOUKAMMA RIVER</u> <u>TACHYSURIDAE</u> <u>Tachysurus feliceps</u>	Sea barbel	(165)

CARANGIDAE/...

Species	Common name	General
<u>CARANGIDAE</u> <u>Hypocanthus amia</u>	Leervis	(539)
<u>POTATOMIDAE</u> <u>Pomatomus saltatrix</u>	Elf	(547)
<u>SCIAENIDAE</u> <u>Johnius hololepidotus</u>	Kob	(552)
<u>MONODACTYLIDAE</u> <u>Monodactylus falciformis</u>	Moon fish	(580)
<u>POMADASYIDAE</u> <u>Pomadasys operculare</u>	Spotted grunter	(679)
<u>SPARIDAE</u> <u>Rhabdosargus glopiceps</u>	White stumpnose	(708)
<u>Lithognathus lithognathus</u>	White steenbras	(726)

Species	Common name	General
<u>MUGILIDAE</u> <u>Mugil cephalus</u>	Mullet	(877)
<u>Mugil richardsoni</u>	Mullet	

THE LAKES/...