

## Farasuto Forest Community Nature Reserve: Management Plan Appendix 3. Butterflies.

### The butterflies of Farasuto Community Forest – a status report, February 2010

Jon Baker

#### Gambian butterfly context

There are some 18,500 described species of butterfly in the world, of which 400 are extant in Africa, and 1,500 in West Africa. Some 170 to 180 have been recorded from The Gambia to date (the true figure is not clear, as some historical records are suspicious and need investigation, and species new to the country are still being recorded). Of those, approximately 21 species can be described as primarily forest species, although none are deemed 'true' forest indicators. There are other species extant in The Gambia that are forest edge or degraded habitat species, however these are not dependant on forest for continued survival in the country.

These forest species are as follow (Table 1):

<i>Nepheronia argia</i> (Fabricius, 1775)
<i>N thalassina</i> (Boisduval, 1836)
<i>Belenois calypso</i> (Drury, 1773)
<i>Appias sylvia</i> (Fabricius, 1775)
<i>Spalgis lemolea pilos</i> (Druce, 1890)
<i>Cephetola subcoerulea</i> (Roche, 1954)
<i>Dapidodigma hymen</i> (Fabricius, 1775)
<i>Aphnaeus orcas</i> (Drury, 1782)
<i>Iolaus lukabas</i> (Druce, 1890)
<i>I calisto</i> (Westwood, 1851)
<i>Deudorix lorisona abriana</i> (Libert, 2004)
<i>Anthene liodes</i> (Hewitson, 1874)
<i>A larydas</i> (Cramer, 1780)
<i>Bicyclus zinebi</i> (Butler, 1869)
<i>Aterica galene</i> (Brown, 1776)
<i>Bebearia senegalensis</i> (Herrich-Schäffer, 1858)
<i>Euphaedra medon pholus</i> (Van der Hoeven, 1840)
<i>E ceres</i> (Fabricius, 1775)
<i>Pardaleodes edipus</i> (Stoll, 1781)
<i>Platylesches galesa</i> (Hewitson, 1877)

Of these, most, if not all are relatively ecologically tolerant, and extend outside of true forest. Nevertheless, some, in The Gambia at least, are almost certainly dependant on the remaining tracts of closed canopy forest. These are (Table 2):

Species	Gambian provenance
<i>N thalassina</i>	Historical, locality not known
<i>A sylvia</i>	Pirang only, two records
<i>C subcoerulea</i>	Historical, 'Bathurst'
<i>D hymen</i>	Pirang only, one record
<i>A orcas</i>	Abuko only
<i>I lukabas</i>	Historical, described from The Gambia, locality not known,
<i>I calisto</i>	Makasutu, possibly elsewhere
<i>D lorisona abriana</i>	Locality not known
<i>A galene</i>	Locality not known, possibly extinct
<i>B senegalensis</i>	Abuko, possibly Pirang, possibly extinct
<i>E medon pholus</i>	Abuko (possibly now extinct), Pirang, Bijilo, Brufut, CRR forests
<i>E ceres</i>	Abuko only, three specimens
<i>P edipus</i>	Historical, locality not known, possibly Pirang
<i>P galesa</i>	Abuko, Pirang, Brufut

New species found in forests – Bijilo, Abuko, Pirang, CRR forests

It can be seen from Table 4 in Appendix 1 that only one of the forest species listed in Table one has thus far been recorded from Farasuto; *B calypso*. Along with *A larydas*, this is by far the commonest species in Table 1.

It can be seen from Table 2 above that two (*A sylvia* and *D hymen*) of the species listed have only been recorded from Pirang forest in The Gambia, one other possibly (*P edipus*) has Pirang as its only known Gambian locality, and one (*B senegalensis*) has a possible record from Pirang, and is otherwise only known from Abuko in The Gambia, where it has not been seen for many years and is now probably extinct there.

Apart from the forest species listed above, there are a few species known in The Gambia that favour swampy a grassland habitat.

These are (Table 3):

<i>Ypthimomorpha itonia</i> (Hewitson, 1865)
<i>Acraea encedon</i> (Linné, 1758)
<i>Acraea encedana</i> (Pierre, 1976)
<i>Prosopalpus styla</i> (Evans, 1937)
<i>Acleros ploetzi</i> (Mabille, 1890)
<i>Borbo micans</i> (Holland, 1896)
<i>Parnara monasi</i> (Trimen, 1889)

Of these, two (*A ploetzi* and *Y itonia*), have been recorded from Farasuto. Another two (*A encedon* and *P styla*) are reasonable possibilities.

The first publication attempting to list all known Gambian species of butterfly was published by Mike Newport in 1993 (Newport 1993). This listed 75 species, although there were several not included that had already been published elsewhere. Newport subsequently wrote an unpublished list of 109 species in 1998, again missing some previously published records. Torben Larsen (Larsen 2004) recorded 161, mainly based on updated data from Newport. Since early 2007, some five to ten further species, have been recorded, some published by David Penney (Penney 2009), and some which have yet to be verified and published. Whilst at all stages in the development of the known species list of Gambian butterflies, new country records have been found in all habitats, the forests such as Abuko, Bijilo, Brufut, Pirang and the Central River Region forests (such as in The River Gambia National Park, and on and around Janjanbureh Island) consistently yield new records. Given that The Gambia is at the very north-eastern ecological limits for forest species, these forest records are the most interesting and important ecologically. As such, the importance of conserving what little primary (or even secondary) canopy forest remaining in The Gambia cannot be understated.

In 1993, Phyllis Kaspar (Kaspar 1993) stated that in the 'past 16 years' (hence from 1977 to 1993), 79% of 'closed' (hence canopy) forest and woodland savannah had disappeared, due to a variety of factors. Prior to 1977 and subsequent to 1993, natural habitat degradation also occurred, and continues to do so. As such, The Gambia currently has significantly less forest and woodland cover than it would have had 100 years ago, and what remains should be conserved as a high priority, if what Gambian flora and fauna that survive to date is to remain in the country in its entirety.

Farasuto Forest Community Nature Reserve should be included as one of the forests that should be conserved; although it has not yet yielded important or, in Gambian terms, new or unique records, it is quite likely to do so with proper ongoing study. Equally, especially with the demise of the quality of the Abuko and Brufut, the increasing isolation of such forests as Abuko and Bijilo, and the threat to species there (*B senegalensis*, now probably extinct in Abuko and therefore possibly The Gambia), primary forests such as Farasuto may yet turn out to be among the only remaining footholds for what forest species there are in The Gambia.

## References

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- Newport, M.** 1993. The other end of Africa. *Metamorphosis*, **4**: 165-172.
- Newport, M.** 1998. The butterflies of the Kombo Districts of The Gambia: an annotated checklist. Unpublished manuscript.
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## Appendix 1 – Gambian species list: Butterflies.

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Table B4 below show the list of published Gambian species. It also shows those so far recorded at Farasuto, with a weighted estimate as to how many species should be expected to be found at Farasutuo if studied over time in it's present condition.

Species		Rarity	Farasuto	Likelihood	Value
<i>Papilio nireus nireus</i> (Linnaeus, 1758)	For/dist	4 5	1	rec	1
<i>Papilio demodocus demodocus</i> (Esper, 1798)	Ubq	5	1	rec	1
<i>Graphium angolanus baronis</i> (Ungemach, 1932)	Sav	5	1	rec	1
<i>Graphium leonidas leonidas</i> (Fabricius, 1793)	Sav/dist	5	1	rec	1
<i>Catopsilia florella</i> (Fabricius, 1775)	Ubq	5 6	1	rec	1
<i>Eurema hecabe solifera</i> (Butler, 1875)	Ubq	5	1	rec	1
<i>Eurema brigitta brigitta</i> (Stoll, 1780)	Ubq	6	1	rec	1
<i>Pinacopteryx eriphia tritogenia</i> (Klug, 1829)	Sav/dist	5 6	1	rec	1
<i>Nepheronia argia argia</i> (Fabricius, 1775)	For	1 2		not	0.05
<i>Nepheronia thalassina thalassina</i> ()	For	1 2		not	0.05
<i>Colotis amata amata</i> (Fabricius, 1775)	Dry	1 2 3		exp	0.9
<i>Colotis vesta amelia</i> (Lucas, 1852)	Dry	4 5		prb	0.6
<i>Colotis celimene sudanicus</i> (Aurivillius, 1905)	Dry	2		exp	0.9
<i>Colotis ione</i> (Godart, 1819)	Dry	2 3		unl	0.1
<i>Colotis danae eupompe</i> (Klug, 1829)	Dry	5		exp	0.9
<i>Colotis aurora evarne</i> (Klug, 1829)	Dry	4 5		pos	0.3
<i>Colotis antevippe antevippe</i> (Boisduval, 1836)	Sav/dist	5	1	rec	1
<i>Colotis euippe euippe</i> (Linnaeus, 1758)	Sav/dist	5	1	rec	1
<i>Colotis evagore antigone</i> (Boisduval, 1836)	Sav	5	1	rec	1
<i>Colotis eris eris</i> (Klug, 1829)	Dry	3		unl	0.1
<i>Belenois aurota aurota</i> (Fabricius, 1793)	Sav	7	1	rec	1
<i>Belenois creona creona</i> (Cramer, 1776)	Sav/dist	5	1	rec	1
<i>Belenois gidica gidica</i> (Godart, 1819)	Sav	4 5	1	rec	1
<i>Belenois calypso calypso</i> (Drury, 1773)	Wood	5	1	rec	1
<i>Dixeia orbona orbona</i> (Geyer, 1837)	Sav/Wood	6	1	rec	1
<i>Pontia glauconome</i> (Klug, 1829)	Dry	2		unl	0.1
<i>Appias sylvia sylvia</i> (Fabricius, 1775)	For	1 2		pos	0.3
<i>Appias epaphia epaphia</i> (Cramer, 1779)	Sav	4 5		exp	0.9
<i>Leptosia alcesta alcesta</i> (Stoll, 1781)	Wood	5	1	rec	1
<i>Mylothris chloris chloris</i> (Fabricius, 1775)	Sav/wood	6	1	rec	1
<i>Spalgis lemolea pilos</i> (Druce, 1890)	Wood	2		pos	0.3
<i>Lachnocnema emperanus</i> (Snellen, 1872)	Sav/Wood	2		pos	0.3
<i>Cephetola subcoerulea</i> (Roche, 1954)	For	1 2		not	0.05
<i>Myrina silenus silenus</i> (Fabricius, 1775)	Sav	4 5		exp	0.9
<i>Myrina subornata subornata</i> (Lathy, 1903)	Sav	2		unl	0.1
<i>Dapidodigma hymen</i> (Fabricius, 1775)	For	2		pos	0.3
<i>Aphnaeus orcas</i> (Drury, 1782)	For	2		unl	0.1
<i>Apharitis nilus</i> (Hewitson, 1865)	Dry	1 2		not	0.05
<i>Spindasis mozambica</i> (Bertolini, 1850)	Sav	2		unl	0.1
<i>Axiocerses harpax kadugli</i> (Talbot, 1935)	Sav/Wood	5		exp	0.9
<i>Iolaus menas menas</i> (Druce, 1890)	Sav	5	1	rec	1
<i>Iolaus lukabis</i> (Druce, 1890)	For	1 2		unl	0.1
<i>Iolaus calisto</i> (Westwood, 1851)	For	2 3		unl	0.1

<i>Iolaus sudanicus</i> (Aurivillius)	Dry	2		not	0.05
<i>Iolaus scintillans</i> (Aurivillius, 1905)	Dry	3		pos	0.3
<i>Iolaus iasis iasis</i> (Hewitson, 1865)	For/dist	5	1	rec	1
<i>Stugeta marmoreus marmoreus</i> (Butler 1866)	Dry	1 2		unl	0.1
<i>Hypolycaena philippus philippus</i> (Fabricius, 1793)	Sav	5	1	rec	1
<i>Pilodeudorix diyllus occidentalis</i> (Libert, 2004)	For	1 2		unc	0.01
<i>Pilodeudorix caerulea caerulea</i> (Druce, 1890)	Sav			pos	0.3
<i>Deudorix antalus</i> (Hopffer, 1855)	Sav	5		exp	0.9
<i>Deudorix livia</i> (Klug, 1834)	Dry	2 3 4		pos	0.3
<i>Deudorix lorisona lorisona</i> (Hewitson, 1862)	For/dist	2		unl	0.1
<i>Deudorix dinochares</i> (Grose-Smith, 1887)	Sav	4 5		exp	0.9
<i>Anthene liodes</i> (Hewitson, 1874)	For/sav	2		pos	0.3
<i>Anthene amarah</i> (Guérin-Méneville, 1849)	Sav	5	1	rec	1
<i>Anthene lunulata</i> (Trimen, 1894)	Sav	3 4		pos	0.3
<i>Anthene larydas</i> (Cramer, 1780)	For/sav	5		exp	0.9
<i>Anthene crawshayi crawshayi</i> (Butler, 1899)	Sav	5	1	rec	1
<i>Triclema nigeriae</i> (Aurivillius, 1905)	Sav	1 2		unc	0.01
<i>Pseudonacaduba sichela sichela</i> (Wallengren, 1857)	Sav/for	5		exp	0.9
<i>Lampides boeticus</i> (Linnaeus, 1767)	Sav	6	1	rec	1
<i>Cacyreus lingeus</i> (Stoll, 1782)	For	5	1	rec	1
<i>Leptotes pirithous</i> (Linne, 1767)	Ubq	6 7	1	rec	1
<i>Leptotes babaulti</i> (Stempffer, 1935)	Ubq			exp	0.9
<i>Tuxentius cretosus nodieri</i> (Oberthür, 1883)	Dry	5	1	rec	1
<i>Tarucus ungemachi</i> Stempffer, 1942	Sav	5		exp	0.9
<i>Tarucus theophrastus</i> (Fabricius, 1793)	Sav	4 5		exp	0.9
<i>Tarucus rosacea</i> (Austaut, 1885)	Dry	5		exp	0.9
<i>Eicochrysops hippocrates</i> (Fabricius, 1793)	Ubq	5		exp	0.9
<i>Euchrysops reducta reducta</i> (Hulstaert, 1924)	Sav	2		unl	0.1
<i>Euchrysops malathana</i> (Boisduval, 1833)	Ubq	4		exp	0.9
<i>Euchrysops nilotica</i> (Aurivillius, 1904)	Dry	3 4		pos	0.3
<i>Euchrysops osiris osiris</i> (Hopffer, 1855)	Sav	4 5		exp	0.9
<i>Lepidochrysops synchrematiza</i> (Bethune-Baker, 1923)	Sav/for	5		exp	0.9
<i>Azanus ubaldus</i> (Cramer, 1872)	Sav	3 4		prb	0.6
<i>Azanus jesous</i> (Guérin-Méneville, 1849)	Dry	4 5	1	rec	1
<i>Azanus moriqua</i> (Wallengren, 1857)	Sav	4 5	1	rec	1
<i>Chilades eleusis</i> (Demaison, 1888)	Dry	4 5		exp	0.9
<i>Chilades trochylus</i> (Freyer, 1843)	Sav	3		prb	0.6
<i>Zizeeria knysna</i> (Trimen, 1862)	Ubq	7	1	rec	1
<i>Zizina antanossa</i> (Mabille, 1877)	Sav	5	1	rec	1
<i>Zizula hylax</i> (Fabricius, 1775)	Ubq	4 5	1	rec	1
<i>Danaus chrysippus chrysippus</i> (Linne, 1758)	Ubq	7	1	rec	1
<i>Amauris damocles</i> (Fabricius, 1793)	For/sav	1 2		unc	0.01
<i>Melanitis leda</i> (Linne, 1758)	Ubq	5	1	rec	1
<i>Melanitis libya</i> (Distant, 1882)	Ubq	3 4		exp	0.9
<i>Bycyclus zinebi</i> (Butler, 1869)	For			unc	0.01
<i>Bycyclus pavonis</i> (Butler, 1876)	Sav			pos	0.3
<i>Bicyclus milyas</i> (Hewitson, 1864)	Sav			pos	0.3
<i>Bicyclus vulgaris</i> (Butler, 1868)	Sav/dist	5	1	rec	1
<i>Bicyclus sandace</i> (Hewitson, 1877)	For/sav	5		exp	0.9
<i>Bicyclus angulosa angulosa</i> (Butler, 1868)	Sav/Wood	4		prb	0.6
<i>Bicyclus safitza safitza</i> (Westwood, 1850)	Sav/dist	3 4		pos	0.3
<i>Bicyclus funebris</i> (Guérin-Méneville, 1844)	For/sav			pos	0.3
<i>Ypthima asterope asterope</i> (Klug, 1832)	Dry		1	rec	1
<i>Ypthima condamini nigeriae</i> (Kielland, 1982)	Sav			unc	0.01

<i>Ypthima vuattouxi</i> (Keilland, 1982)				unc	0.01
<i>Ypthima doleta</i> (Kirby, 1880)	For/dist			not	0.05
<i>Ypthimomorpha itonia</i> (Hewitson, 1855)	Sav	4 5	1	rec	1
<i>Charaxes varanes vologeses</i> (Mabille, 1876)	Sav/dist	5	1	rec	1
<i>Charaxes candiope candiope</i> (Godart, 1824)	Sav/for	1 2		unc	0.01
<i>Charaxes protoctlea protoctlea</i> (Feisthamel, 1850)	For			unc	0.01
<i>Charaxes boueti boueti</i> (Feisthamel, 1850)	Sav/dist	2		prb	0.6
<i>Charaxes epijasius</i> (Reiche, 1850)	Sav	5	1	rec	1
<i>Charaxes castor castor</i> (Cramer, 1775)	For/sav	2		pos	0.3
<i>Charaxes achaemenes atlantica</i> (van Someren, 1970)	Sav	5		exp	0.9
<i>Charaxes viola viola</i> (Butler, 1866)	Sav	5		exp	0.9
<i>Vanessa cardui</i> (Linnaeus, 1758)	Ubq	6	1	rec	1
<i>Precis antilope</i> (Feisthamel, 1850)	Sav/dist	5	1	rec	1
<i>Hypolimnias misippus</i> (Linnaeus, 1764)	Ubq	6	1	rec	1
<i>Hypolimnias anthedon anthedon</i> (Doubleday, 1845)	For/sav	3		prb	0.6
<i>Junonia orithya madagascariensis</i> (Guenée, 1865)	Sav	4 5		exp	0.9
<i>Junonia oenone</i> (Linnaeus, 1758)	Sav/dist	5	1	rec	1
<i>Junonia hierta cebrene</i> (Trimen, 1870)	Sav	3		exp	0.9
<i>Junonia cymodoce cymodoce</i> (Cramer, 1777)	For/dist			unc	0.01
<i>Junonia sophia sophia</i> (Fabricius, 1793)	For/dist	5	1	rec	1
<i>Junonia chorimene</i> (Guérin-Méneville, 1844)	Sav	5	1	rec	1
<i>Junonia terea terea</i> (Drury, 1773)	For/dist	4 5	1	rec	1
<i>Catacroptera cloanthe ligata</i> Rothschild & Jordan, 1903)	Sav	2 3		not	0.05
<i>Byblia anvatar crameri</i> (Aurivillius, 1894)	Sav/dist	5		exp	0.9
<i>Neptis serena serena</i> (Overlaet, 1955)	Sav/for	5	1	rec	1
<i>Hamanumida daedalus</i> (Fabricius, 1775)	Sav/dist	5	1	rec	1
<i>Aterica galene</i> (Brown, 1776)	For/dist	1 2		unl	0.1
<i>Bebearia senegalensis senegalensis</i> (Herrich-Schaeffer, 1858)	Wood	1 2		pos	0.3
<i>Euphaedra medon pholus</i> (van der Hoeven, 1840)	For	4		prb	0.6
<i>Euphaedra ceres ceres</i> (Fabricius, 1775)	For	2		not	0.05
<i>Acraea encedon encedon</i> (Linnaeus, 1758)	Sav/dist	4 5		pos	0.3
<i>Acraea encedana</i> (Pierre, 1976)	Sav/swamp			not	0.05
<i>Acraea serena</i> (Fabricius, 1775)	Ubq	7	1	rec	1
<i>Acraea bonasia bonasia</i> (Fabricius, 1775)	For/dist			pos	0.3
<i>Acraea egina egina</i> (Cramer, 1775)	For/sav	5	1	rec	1
<i>Acraea pseudEGINA</i> Westwood, 1852	Sav/dist	4 5		exp	0.9
<i>Acraea caecilia caecilia</i> (Fabricius, 1781)	Sav	4 5		prb	0.6
<i>Acraea zetes zetes</i> (Linnaeus, 1758)	Sav/for	5	1	rec	1
<i>Acraea quirina quirina</i> (Fabricius, 1781)	For			prb	0.6
<i>Acraea neobule neobule</i> (Doubleday, 1847)	Sav/for	2		prb	0.6
<i>Acraea camaena</i> (Drury, 1773)	Wood	2		pos	0.3
<i>Acraea umbra umbra</i> (Drury, 1782)	For	2		unl	0.1
<i>Phalanta phalantha aethiopica</i> (Rothschild & Jordan, 1903)	Sav/Wood	6	1	rec	1
<i>Coeliades aeschylus</i> (Plötz, 1884)	Sav	2		not	0.05
<i>Coeliades forestan forestan</i> (Stoll, 1782)	Ubq	5	1	rec	1
<i>Tagiades flesus</i> (Fabricius, 1781)	Ubq	5		exp	0.9
<i>Sarangesa laelius</i> (Mabille, 1891)	Sav	4 5		exp	0.9
<i>Sarangesa phidyle</i> (Walker, 1870)	Dry	3		exp	0.9
<i>Sarangesa tricerata tricerata</i> (Mabille, 1891)	For/wood	1 2		unl	0.1
<i>Caprona adelica</i> (Karsch, 1892)	Sav	1 2		not	0.05
<i>Abantis nigeriana</i> (Butler, 1901)	Sav	1 2		unc	0.01
<i>Spialia spio</i> (Linnaeus, 1764)	Sav/dist	5		exp	0.9
<i>Spialia diomus diomus</i> (Hopffer, 1855)	Dry	5		prb	0.9

<i>Spialia dromus</i> (Plötz, 1884)	Sav/dist	4		prb	0.6
<i>Gomalia elma</i> elma(Trimen, 1862)	Dry	4 5		exp	0.9
<i>Astictopterus abjecta</i> (Snellen, 1872)	Sav	2 3		pos	0.3
<i>Prosopalpus styla</i> (Evans, 1937)	Sav	4		pos	0.3
<i>Pardaleodes edipus</i> (Stoll, 1781)	For/dist	1 2		not	0.05
<i>Parasmodes morantii axis</i> (Evans, 1937)	Sav	1 2		not	0.05
<i>Acleros ploetzi</i> (Mabille, 1890)	For/dist	4	1	rec	1
<i>Andronymus neander neander</i> (Plötz, 1884)	For/sav	2		unl	0.1
<i>Zophopetes cerymica</i> (Hewitson, 1867)	Palm for	3 4		prb	0.6
<i>Zophopetes quaternata</i> (Mabille, 1876)	Palm for	3 4		pos	0.3
<i>Gretna waga</i> (Plötz, 1886)	For/dist	4		prb	0.6
<i>Platylesches galesa</i> (Hewitson, 1877)	For/dist	4 5		exp	0.9
<i>Platylesches moritili</i> (Wallengren, 1857)	Sav/dist	4 5		not	0.05
<i>Platylesches picanini</i> (Holland, 1894)	Wood	3		unl	0.1
<i>Platylesches affinissima</i> (Strand, 1921)	Sav	1 2 3		pos	0.3
<i>Platylesches batangae</i> (Holland, 1894)	For	1 2 3		unc	0.01
<i>Pelopidas mathias</i> (Fabricius, 1798)	Sav/for	5	1	rec	1
<i>Pelopidas thrax</i> (Hubner, 1821)	For/dist	4 5		exp	0.9
<i>Borbo fallax</i> (Gaede, 1916)	Sav	4 5		prb	0.6
<i>Borbo fanta</i> (Evans, 1937)	Sav/for	4 5		prb	0.6
<i>Borbo perobscura</i> (Druce, 1912)	For/dist	2 3		unl	0.1
<i>Borbo micans</i> (Holland, 1896)	For/wood	2 3		pos	0.3
<i>Borbo borbonica borbonica</i> (Boisduval, 1833)	Sav	5 6		exp	0.9
<i>Borbo gemella</i> (Mabille, 1884)	Sav	5 6	1	rec	1
<i>Borbo fatuellus fatuellus</i> (Hopffer, 1855)	Ubq	4 5		exp	0.9
<i>Parnara monasi</i> (Trimen 1889)	Sav	4 5		unl	0.1
<i>Gegenes gambica</i> (Mabille, 1878)	Dry	1 2		pos	0.3
<i>Gegenes niso brevicornis</i> (Plötz, 1884)	Sav/for	5		prb	0.6
<i>Gegenes hottentota</i> (Latreille, 1824)	Sav	4		exp	0.9

<b>Total positive recordings</b>	<b>56</b>	<b>Weighted estimate</b>	<b>110.22</b>
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Current country total = approx 179

## Key

rec	recorded	1
exp	expected	0.9
prb	probable	0.6
pos	possible	0.3
unl	unlikely	0.1
not	not expected status	0.05
unc	uncertain	0.01