

# Distribution of "Glossina" species in Africa

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## Distribution of *Glossina* species in Africa

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Potts prepared and published the three-sheet map of tsetse distribution in 1953/54, which he collated partly from the territorial survey maps prepared between 1947 and 1951 but the map was based in the main on the data of tsetse surveys carried out many years earlier and since the work of Austen in 1903. In the second revised version of the tsetse distribution maps, Ford and Katondo (1975, 1977) produced separate maps for the three sub-generic groups – *palpalis*, *morsitans* and *fusca*. In these maps are included data collected up to 1973 but the principal source of information was the first edition by Potts, and hence at least some of the records on which these maps are based are very old. Indeed, the authors emphasized in their report to the 13th Meeting of the International Scientific Council for Trypanosomiasis Research and Control (ISCTRC), held in Dakar, that the second edition of the tsetse distribution maps of Africa should be regarded as provisional only. Against this background, the Interafrican Bureau of Animal Resources (IBAR) has since made good progress at up-dating the data including the most recent revision of maps by Katondo (1984).

The tsetse distribution maps are very useful to workers on tsetse and trypanosomiasis in that they provide information on the extent of distribution of different tsetse species and sub-species. Tables 1 to 5 were prepared to provide a more rapid information on the presence or absence of different species and sub-species of the *fusca*, *palpalis* and *morsitans* sub-generic groups in each of the 38 different countries in West, Central, Eastern and Southern Africa. The tables are based on the second edition of the tsetse distribution maps (Ford and Katondo, 1975, 1977) and on unpublished data which has become available since their publication; the occurrence of *G. nashi* in Gabon has recently been reported by Leak and Jeannin (1984).

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*Editorial note:* The format of this article is not one which would normally be considered for publication in this journal. In this case, we have made an exception as we feel the information it contains is not widely available and will be of use for workers in the field.

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## Tsetse Distribution – West Africa ( Part 1 )

	SENEGAL	GAMBIA	GUINEA - BISSAO	GUINEA	SIERRA LEONE	LIBERIA	MALI	IVORY COAST
FUSCA			G. f. fusca	G. f. fusca G. n. nigrofusca G. tabaniformis	G. f. fusca G. n. nigrofusca G. medicorum	G. f. fusca G. medicorum G. n. nigrofusca		G. medicorum G. f. fusca G. n. nigrofusca G. tabaniformis
PALPALIS	G. p. gambiensis	G. p. gambiensis	G. p. gambiensis	G. p. gambiensis G. tachinoides G. p. pallicera	G. p. gambiensis G. p. pallicera	G. p. gambiensis G. p. palpilis G. p. pallicera	G. p. gambiensis G. tachinoides	G. p. gambiensis G. p. palpilis? G. p. pallicera G. tachinoides
MORSITANS	G. m. submorsitans G. longipalpis?	G. m. submorsitans G. longipalpis	G. longipalpis G. m. submorsitans	G. m. submorsitans G. longipalpis	G. longipalpis G. m. submorsitans		G. m. submorsitans G. longipalpis	G. longipalpis G. m. submorsitans

Table 1

## Tsetse Distribution – West Africa (Part 2)

	UPPER VOLTA	GHANA	TOGO	BENIN	NIGER	NIGERIA	CHAD
FUSCA	G. medicorum	G. medicorum G. f. fusca G. f. congolensis G. tabaniformis, G. n. nigrofusca	G. f. fusca	G. f. congolensis G. medicorum		G. f. fusca G. medicorum G. tabaniformis G. haningtoni G. n. nigrofusca	
PALPALIS	G. tachinoides G. p. gambiensis	G. p. gambiensis G. p. palpalis G. tachinoides G. p. pallicera G. caliginea	G. p. gambiensis G. p. palpalis G. tachinoides	G. p. gambiensis G. p. palpalis G. tachinoides	G. tachinoides	G. tachinoides G. p. palpalis G. p. pallicera G. caliginea	G. tachinoides G. f. fuscipes
MORSITANS	G. m. submorsitans G. longipalpis	G. m. submorsitans G. longipalpis	G. longipalpis G. m. submorsitans	G. m. submorsitans G. longipalpis	G. m. submorsitans	G. longipalpis G. m. submorsitans	G. m. submorsitans

Table 2

## Tsetse Distribution – Central Africa

	CAMEROON	CENTRAL AFRICAN REPUBLIC	EQUATORIAL GUINEA	GABON	CONGO	CABINDA	ZAIRE
FUSCA	G. f. congolensis G. haningtoni G. tabaniformis G. fuscipleuris G. nigrofusca G. schwetzi G. nashi	G. f. congolensis G. fuscipleuris G. tabaniformis G. medicorum G. haningtoni G. schwetzi G. n. hopkinsi G. nashi	G. tabaniformis G. haningtoni G. f. congolensis	G. tabaniformis G. haningtoni G. schwetzi G. f. congolensis G. medicorum G. nashi	G. tabaniformis G. haningtoni G. f. congolensis G. schwetzi G. nashi	G. schwetzi G. tabaniformis G. nashi G. haningtoni	G. tabaniformis G. f. congolensis G. schwetzi G. brevipalpis G. fuscipleuris G. severini G. n. hopkinsi G. haningtoni G. vanhoofi G. medicorum
PALPALIS	G. f. fuscipes G. p. palpilis G. tachinoides G. p. newsteadi G. p. pallicera G. caliginea	G. f. fuscipes G. tachinoides G. p. newsteadi G. caliginea G. p. palpilis? G. p. pallicera	G. p. palpilis G. f. fuscipes	G. p. palpilis G. f. fuscipes G. p. newsteadi G. caliginea G. p. pallicera	G. f. fuscipes G. p. palpilis G. f. quanzensis G. p. newsteadi	G. p. palpilis G. p. newsteadi	G. f. fuscipes G. f. quanzensis G. f. martinii G. p. newsteadi G. p. palpilis
MORSITANS	G. m. submorsitans G. longipalpis	G. m. submorsitans					G. m. submorsitans G. m. centralis G. pallidipes G. longipalpis

Table 3

## Tsetse Distribution – Eastern Africa

	SUDAN	ETHIOPIA	SOMALIA	KENYA	UGANDA	TANZANIA	RWANDA	BURUNDI
FUSCA	G. longipennis G. fusca G. fuscipleuris	G. longipennis G. brevipalpis	G. brevipalpis G. longipennis	G. longipennis G. brevipalpis G. fuscipleuris	G. fusca G. fuscipleuris G. longipennis G. brevipalpis	G. brevipalpis G. longipennis G. fuscipleuris		G. brevipalpis
PALPALIS	G. f. fuscipes G. tachinoides	G. tachinoides G. f. fuscipes		G. f. fuscipes	G. f. fuscipes	G. f. fuscipes G. f. martinii		G. f. martinii
MORSITANS	G. m. submorsitans G. pallidipes	G. m. submorsitans G. pallidipes	G. pallidipes G. austeni	G. pallidipes G. austeni G. swynnertoni G. m. submorsitans?	G. m. submorsitans G. pallidipes G. m. centralis	G. m. centralis G. m. morsitans G. pallidipes G. swynnertoni G. austeni	G. m. centralis G. pallidipes	G. m. centralis

Table 4

## Tsetse Distribution – Southern Africa

	ANGOLA	ZAMBIA	MALAWI	MOZAMBIQUE	ZIMBABWE	BOTSWANA	NAMIBIA	SWAZILAND
FUSCA	G. schwetzi G. tabaniformis G. nashi	G. brevipalpis		G. brevipalpis	G. brevipalpis ?			
PALPALIS	G. f. quanzensis G. p. palpalis G. p. newsteadii	G. f. martinii G. f. fuscipes						
MORSITANS	G. m. centralis	G. m. morsitans G. m. centralis G. pallidipes	G. m. morsitans G. pallidipes	G. m. morsitans G. pallidipes G. austeni	G. m. morsitans G. pallidipes	G. m. centralis	G. m. centralis	G. pallidipes G. austeni

Table 5

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