

Effects of the Non-Pollinating Fig Wasps
Ceratosolen galili and *Sycophaga sycomori*
on *Ceratosolen arabicus* - the Pollinator
of *Ficus sycomorus*

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Written by:
Jörg Barke
Groningen, September 2004

Supervised by:
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ABSTRACT

Mutualistic associations are prone to exploitation by 'exploitative species'. The fig tree *Ficus sycomorus* is in addition to its pollinator, the fig wasp *Ceratosolen arabicus*, associated to several species of fig wasps, which benefit from it and the pollination-mutualism but which do not reciprocate by pollinating the fig tree's flowers. The two 'non-pollinators' *Ceratosolen galili* and *Sycophaga sycomori* are in comparison to other non-pollinators likely to affect the fitness of *C. arabicus* and hence the stability of this mutualism. Both non-pollinators are relatively abundant and share many ecological features with the pollinator. How can *C. arabicus*, *C. galili* and *S. sycomori* coexist? Do these non-pollinators compete with the pollinator for the resources of *F. sycomorus* (figs, female flowers and nutrients) or do they occupy different niches?

In order to investigate how the three species of fig wasps can coexist, several aspects of their niche ecology were studied with regard to figs, collected in Nelspruit and *Kruger National Park* (South Africa). Some of these aspects were related to their foundresses, occupying the immature figs of *F. sycomorus*, whereas others were related to their male and female offspring, reared from the fig tree's mature figs. Among others, it has been investigated, (1) how common the foundresses and female offspring of the species are in the immature and mature figs respectively, (2) how numerous their foundresses occupy the immature figs during oviposition, (3) at what time the female offspring emerge from the mature figs and (4) how the immature figs become occupied by the foundresses and foundress species.

The foundresses and female offspring of *S. sycomori* were much more common than the ones of *C. arabicus* and *C. galili*. This indicates that *S. sycomori*, in contrast to *C. galili*, has a high potential to compete with the pollinator. The foundresses of *C. galili* and *S. sycomori* were more numerous during oviposition than *C. arabicus*. In contrast to both non-pollinators, the pollinator therefore is supposed to produce offspring with a strongly female biased sex ratio and thus to have a relatively high 'per capita growth rate'. The female offspring of *C. arabicus* emerged most commonly during the evening and the ones of *C. galili* during the morning. This indicates first that the females of both species time their emergence and second that this timing is in tune with the timing of their dispersal, which is known to take place during the night and day respectively. The females of *S. sycomori* emerged from the figs during both night and day. The occupation of the figs seemed to be correlated with the timing of the species dispersal. After all, figs occupied by the foundresses of both *C. arabicus* and *C. galili* were relatively rare and figs, inhabited by the foundresses of both *C. arabicus* and *S. sycomori* were relatively common. This gives *S. sycomori* a higher potential to compete with the pollinator than *C. galili*. Further, the figs were most commonly occupied by single foundress species, which limits the potential for all species to compete with one another. Finally, most figs that were occupied by *C. arabicus* contained one foundress, which indicates that the pollinator has a high capability to monopolize figs and thus a high potential to compete for figs.

This research found some aspects of the species niche ecology to overlap but most others to differ. In general, *S. sycomori* seemed to have a higher potential to compete with the highly competitive pollinator, than *C. galili*.

Keywords

Mutualism, Fig Tree, Fig Wasp, Pollinator, Non-Pollinator, *Ficus sycomorus*, *Ceratosolen arabicus*, *Ceratosolen galili*, *Sycophaga sycomori*, Niche, Competition

TABLE OF CONTENTS

	page
1. INTRODUCTION.....	1
2. MATERIALS AND METHODS.....	4
2.1. Study Site.....	4
2.2. Study Species.....	4
2.3. Collection of Figs.....	5
2.4. Niche Ecology.....	6
2.4.1. <i>Abundance</i>	6
2.4.2. <i>Time of Emergence</i>	7
2.4.3. <i>Longevity</i>	7
2.4.4. <i>Species Composition</i>	7
2.5. Statistical Analysis.....	7
3. RESULTS.....	8
3.1. Abundance.....	8
3.2. Time of Emergence.....	9
3.3. Longevity.....	10
3.4. Species Composition.....	10
4. DISCUSSION.....	12
ACKNOWLEDGMENTS.....	14
REFERENCES.....	15
SUPPLEMENT A.....	i
SUPPLEMENT B.....	ii
SUPPLEMENT C.....	iii
SUPPLEMENT D.....	iv
SUPPLEMENT E.....	v

1. INTRODUCTION

The mutualism between the fig tree *Ficus sycomorus* (Rosales, Moraceae) and the fig wasp *Ceratosolen arabicus* (Hymenoptera, Agaoninae) is based on the exchange of nutrition, protection and transport. The female imagines of *C. arabicus* enter the immature figs¹ of *F. sycomorus* for oviposition (primary sycophily), which then are called foundresses. The females place their eggs into the female flowers and thereby trigger their modification to galls. Galls again, provide nutritive tissue and give protection to the developing offspring. The female offspring on the other hand reciprocate by acting as pollen vectors (Galil & Eisikowitch 1968_B, 1969, 1974). As their mothers, they transfer the pollen of *F. sycomorus* from the male flowers of the mature figs, in which they developed, to the female flowers of the immature figs, which they enter, and thereby initiate seed-set. The mutualism is further characterized by features, described by Starr (1975) with regard to symbiotic associations² in general. The mutualism is obligate for both partners, because neither the fig tree nor the fig wasp can reproduce in the absence of the other. Compared to the longevity of each partner, the persistence of the association is relatively short for the fig tree and relatively long for the fig wasp; while *F. sycomorus* depends on a large number of fig wasps for the pollination of its fruit, *C. arabicus* completes its life cycle within two fig trees. The specificity of the association is high for both species; *F. sycomorus* is exclusively pollinated by *C. arabicus* (Galil & Eisikowitch 1968_B, 1969), and *C. arabicus* inhabits in addition to *F. sycomorus* only *F. mucoso* (Wiebes 1989, Berg & Wiebes 1992).

The mutualism between *F. sycomorus* and *C. arabicus* is, as is the case with mutualistic associations in general, prone to exploitation³. One type of exploitation, recognized in mutualistic associations, is the exploitation of mutualistic partners by exploitative species (Bronstein 2001). *F. sycomorus* is, in addition to *C. arabicus*, associated with eleven species of fig wasps, which use its female flowers for oviposition, but do not disperse its pollen. These 'non-pollinators' can be subdivided into primary and secondary sycophiles. In contrast to the females of the primary sycophiles, which enter the immature figs of *F. sycomorus* for oviposition, the females of the secondary sycophiles do not enter them, but oviposit through their wall. Two non-pollinators, namely *Ceratosolen galili* (Hymenoptera, Agaoninae) and *Sycophaga sycomori* (Hymenoptera, Sycophaginae), are primary sycophiles and the remaining nine non-pollinators *Apocrypta* sp., *Apocryptophagus* sp., *Apocryptophagus gigas*, *Eukoebelia sycomori*, *Sycoscapter* sp., two species of *Sycoscapteridea* and two species of *Watshamiella* sp. (Hymenoptera, Idarinae) are secondary sycophiles. The primary and secondary sycophilic non-pollinators can be categorized by the diet, their offspring live on, into the following four groups (Compton *et al.* 1991, Cook & Rasplus 2003). The offspring of *gallers* – as described for the pollinator – feed on the plant tissue produced by the female flowers as a consequence of galling. *Inquilines* profit from the presence of gallers by ovipositing into those female flowers, which already are induced to gall. The offspring of *seed-predators* feed on the seeds, produced as a result of pollination. *Parasitoids* lay their eggs into those female flowers, which are used by gallers, inquilines and other parasitoids and their offspring feed on the larvae of those species. Since the ecology of most non-pollinators has hardly been investigated, it is unknown, how their reproduction affects the fitness of the mutualistic partners *F. sycomorus* and *C. arabicus*. Some non-pollinators might influence only one partner, others both partners. Some

¹ The fruits of the *Ficus* genus are called figs. Figs are also called syconia or inflorescences and contain both male and female flowers (monoecy).

² Symbiotic associations are associations between individuals of two or more species. The term symbiosis [syn=together with, bios=life, gr.] embraces interspecific associations like mutualism, commensalism, ammensalism and parasitism.

³ Exploitation is defined here as costs, imposed on the mutualistic partners by individuals of third species, which exceed their benefits.

non-pollinators might affect a given partner directly, others indirectly. The influence of some non-pollinators might be of disadvantage to a given partner, whereas the effect of others might be neutral or even positive. Therefore, the nature of some of the non-pollinators does not have to be exploitive at all.

Due to its long lifespan and its ability to reproduce vegetatively, *F. sycomorus* is unlikely to go extinct within a short period of time because of the exploitation by non-pollinators. Its fitness could however be reduced by seed-predating non-pollinators, which reduce the number of its seeds or by those non-pollinators, which affect the reproduction of *C. arabicus* negatively and thus its pollination. In contrast, *C. arabicus* is more prone to extinction because of the exploitation by non-pollinators than the fig tree. Its fitness could be reduced by inquilines and parasitoids, which oviposit specifically into those female flowers, occupied by the offspring of *C. arabicus* as well as by non-pollinating galls, which compete with the pollinator for the same niche. Such inquilines and parasitoids, however, depend on *C. arabicus* for their reproduction, which makes it unlikely for them to drive the pollinator to extinction. In contrast, non-pollinating galls do not depend on *C. arabicus* for their reproduction. Therefore, non-pollinating galls may endanger the persistence of the pollinator and thus of the pollination-mutualism.

The two non-pollinators *C. galili* and *S. sycomori* are galls, primary sycophiles and in comparison to other non-pollinating fig wasp species relatively abundant. Because of these characteristics, *C. galili* and *S. sycomori* are likely to be in competition with *C. arabicus* for the resources of *F. sycomorus*. One way, in which the three primary sycophiles could compete, is related to their foundresses. The immature figs attract pollen laden *C. arabicus* females by means of volatiles (Grison-Pigé *et al.* 2002). The volatiles, however, also attract the females of *C. galili* and *S. sycomori*. Figs, in which oviposition has taken place, cease their excretion of volatiles and thus get unattractive to later arriving females. The fact that the females of one species can turn attractive figs unattractive to the females of other species may lead to their competition for attractive figs ('competition for figs'). Another way, in which the primary sycophiles could compete, is also related to their foundresses. If the immature figs become occupied by the females of more than one species, they may compete with each other for oviposition sites – the female flowers ('competition for flowers'). A third way, in which the primary sycophiles could compete, is related to their larval offspring. If the offspring of more than one species develop in the immature figs, they may compete for the nutrients of the fig tree, allocated to the figs ('competition for nutrition').

The mutualism between fig trees and fig wasps evolved around 87.5 million years ago (Machado *et al.* 2001). Also the mutualism between *F. sycomorus* and *C. arabicus* is thought to exist for a long period of time, and so its association to *C. galili* and *S. sycomori*. How can the three primary sycophiles coexist on *F. sycomorus*? The following two explanations can be given for their coexistence. First, the primary sycophiles occupy niches on *F. sycomorus*, which differ in time or space. Therefore, they have no competition with each other and can coexist. Second, the primary sycophiles may share the same niche on *F. sycomorus*. Therefore, they compete with each other but their competition is regulated.

In order to investigate the significance of both explanations, this study has examined several aspects of the niche ecology of the primary sycophiles. First, two aspects of the abundance of the species were investigated. On the one hand, it has been determined how common the foundresses and female offspring of the species are in general. Abundant non-pollinators have a higher potential to compete with the pollinator than rare non-pollinators. On the other hand, it has been investigated how numerous the foundresses of the species are during oviposition. All primary sycophiles are thought to adjust the sex ratio of their offspring according to Hamilton's 'local mate competition theory' (Hamilton 1967, Herre 1985, Werren 1987, West *et al.* 2001, Zhang *et al.* 1995). When ovipositing, in the absence of other females or in the

presence of only a few others, the foundresses produce offspring with a strongly female biased sex ratio. However, when ovipositing, in the presence of multiple other females, they produce offspring with a slightly females biased sex ratio. Therefore, species that occupy figs in low numbers produce offspring with a strongly female biased sex ratio and in consequence have a relatively high 'per capita growth rate'.

Second, the time has been recorded, at which the female offspring of the species emerge from their figs. The time of the 'female emergence' is assumed to be in accordance with the time, at which the females disperse. Non-pollinators, which disperse at the same time as the pollinator are more likely to approach the same figs and thus have a relatively high potential for competition. The 'female dispersal' of *C. arabicus* is known to take place during the night (Wharton *et al.* 1980), whereas the females of *C. galili* are known to disperse during the day (Compton *et al.* 1991).

Third, the 'longevity' of the female offspring of the species has been investigated. The longevity was thereby defined as the time, the females have for their dispersal, for entering attractive figs and for their oviposition and does not include the time they spend in the fig cavity before the tunneling of the exit-hole has been completed. A long lifespan increases a female's chance to reproduce and also gives it the opportunity to look for figs that have not yet been entered and hence contain sufficient female flowers. Non-pollinators with a high longevity have, compared to the ones with a short longevity, a fitness advantage.

Last, the species composition of the foundresses of the species has been analyzed. The number of figs has been determined, occupied by one, two or all three species. Non-pollinators, which occupy the same figs as the pollinator have a relatively high potential to compete with the pollinator. Further, the number of figs that were occupied by one or more than one foundress was determined. This again, provides information on how good the species are in monopolizing figs, on how female biased their offspring's sex ratio is and thus on the extent of their per capita growth rate. Last, the average number of pollinator foundresses has been determined in figs, which do or do not lack foundresses of either non-pollinator. This also provides information on how many non-pollinators disperse at the same time as the pollinator.

This study was done in cooperation with *Kruger National Park* (KNP). The park's interest in this pollination-mutualism derives from the fact that many frugivore animals of the park such as monkeys, bats and birds, feed on the mature figs of this fig tree. The availability of mature figs depends thereby first of all on the reproduction of *F. sycomorus* and second on the maturation of its fruits. Its (sexual) reproduction completely depends on the activity of the fig tree's only pollinator, *C. arabicus*. The maturation of its fruit, in contrast, depends on the activity of all primary sycophiles. After all, only those attractive figs, which become occupied by the females of the primary sycophiles are not aborted. Therefore, the abundance of *C. arabicus* in particular and the abundance of the primary sycophiles in general, which is directly linked to their niche ecology, provides valuable information for KNP about the reliability of *F. sycomorus* as a food resource.

2. MATERIALS AND METHODS

2.1. Study Site

This study has been carried out in the northeast of South Africa – in Pretoria, KNP and Nelspruit (Suppl._A: Fig.1_{A-C}). KNP borders to the east with Mozambique and to the north with Zimbabwe, and covers an area of about 19000 km² (around 350 km from south to north and 60 km from west to east). The park can be subdivided into the southern, central, northern and far northern part. Sabie and N'waswitsontso River as well as Skukuza Camp are located in the southern part of KNP; Timbavati, Olifants and Letaba River as well as Letaba and Olifants Camp in the central part; Shingwedzi, Phugwane and Mphongolo River in the northern part and Limpopo River is located in the far northern part. The relatively large rivers Sabie, Olifants, Letaba, Shingwedzi and Limpopo flow through KNP from west to east and generally contain at least small amounts of water throughout the year. In contrast, the relatively small rivers N'waswitsontso, Timbavati, Mphongolo and Phugwane usually dry up during winter⁴. Nelspruit is a city in between KNP and Pretoria (about 70 km west of KNP and 300 km east of Pretoria).

2.2. Study Species

More than 750 species of fig trees are distinguished world wide (Berg 1989). All of them belong to the order Rosales, the family Moraceae and the genus *Ficus*. In southern Africa, which consists of the countries Namibia, Botswana, Zimbabwe, Mozambique, South Africa, Swaziland and Lesotho, 33 *Ficus* species can be found. Twenty-three of them occur in South Africa and belong to three subgenera. The subgenus *Sycomorus* includes the species *F. sycomorus* and *Ficus sur*. *F. sycomorus* (Suppl._B: Fig.2_A) is mainly found in Africa. Its distribution ranges from South Africa to Ethiopia, but it also occurs in the southwest of the Arabic peninsula⁵ (Suppl._B: Fig.3). In South Africa, *F. sycomorus* is reported from the northeastern Provinces Kwazulu-Natal, Mpumalanga and Northern Province. Two sub-species of *F. sycomorus* are recognized. *F. sycomorus* is represented in the east of southern Africa by *F. s. sycomorus* and in the west by *F. s. gnaphalocarpa*. The sub-species can be distinguished by the placement of their fruit. The eastern variant grows its fruit on modified leafless branches, whereas the western type grows its fruit among leaves. The sub-species, which has been investigated in this research, was thus *F. s. sycomorus*. With the exception of the campsites, *F. sycomorus* occurs in KNP chiefly at riversides. In Nelspruit, *F. sycomorus* occurs in parks, gardens and next to streets.

In East Africa, *F. sycomorus* fruits throughout the year and produces figs every six to seven weeks (Galil & Eisikowitch 1968_B). The development⁶ of the figs is synchronized within trees and asynchronous between trees (Compton 1993). This means that the figs of a given tree mature simultaneously and the figs of different trees not per se at the same time. Inside figs, there is a relatively large number of female flowers and a relatively low number of male flowers. The maturation of the figs can be subdivided into the following five developmental phases: the pre-floral phase (phase A), the female phase (phase B), the inter-floral phase (phase C), the male phase (phase D) and the post-floral phase (phase E). This subdivision is based on the maturation of the male and female flowers they contain. The female flowers are mature, when the figs are in phase B and the male flowers, when the figs are in phase D.

The reproduction of *C. arabicus* is in accordance with the development of the figs. Pollen laden *C. arabicus* females (Suppl._B: Fig.2_B) enter figs of phase B. These figs are characterized by an opened ostiole and the excretion of volatiles. On their way to the fig cavity, the females

⁴ The climate of South Africa's northeast is subtropical, with a summer period from October to March and a winter period from April to September.

⁵ *F. sycomorus* also occurs in Egypt and Israel – there however, it does not reproduce sexually.

⁶ The developmental phases of the fig are described in detail by Galil & Eisikowitch (1968_{A,B}).

have to squeeze themselves through layers of ostiolar bracts. In doing so, the females generally lose their wings. Successfully entered females oviposit into the female flowers. The female flowers consist of a pistil, a style and a stigma and are either sessile or carried by peduncles of different length. Sessile flowers have relatively long styles, whereas flowers with peduncles have relatively short styles. The style length varies in between 0.8 and 1.5 mm (Galil & Eisikowitch 1968_b). Due to the length of the female's ovipositor, which is up to 0.9 mm long (Galil & Eisikowitch 1968_b), only short-styled flowers are suitable for their oviposition. Generally, the females place no more than one egg into one flower. The pollination of the female flowers takes place in direct succession to the oviposition. Every time, the females take their ovipositor out of a short-styled flower, they transfer pollen grains from their thoracic pollen pockets to the stigma of this flower (Galil & Eisikowitch 1969, 1974). Their offspring seems to benefit from the pollination of the flowers through improved larval nutrition (Verkerke 1989). The offspring of the pollinator, associated with another *Ficus* species, suffer increased larval mortality when developing in unpollinated flowers (Galil & Eisikowitch 1971). During the pollination of the short-styled flowers, also neighboring long-styled flowers become pollinated. Flowers with eggs develop into galls, whereas pollinated flowers without eggs develop into seeds. According to Galil and Eisikowitch (1969), the females do not spread their eggs at random over the female flowers of the fig cavity but oviposit into distinct areas. The size of these areas thereby depends on the number of females within the fig. The female wasps are generally unable to exit the figs and can be found there even during later phases. During the interfloral phase the eggs develop into larvae, the larvae into pupae and the pupae into imagines. Phase D is characterized by the maturity of the male flowers. The male offspring leave their galls first. The male imagines (Suppl._B: Fig.2_c) have strong jaws with which they open the galls of the females and mate with them through the opening. Thereafter, they cut the anthers from the male flowers, which contain the pollen of *F. sycomorus*, and start tunneling through the fig wall. The female imagines are 2.5 mm in length, are light brown, have large eyes and antennae with a characteristic thickening at the first segment. The females then leave their galls, load their pollen pockets with the pollen from the anthers (Galil & Eisikowitch 1974) and wait in the fig cavity for the males to complete their tunneling. Because the development of the figs is synchronized within trees, the females have to look for figs of phase B on other trees, which leads to the dispersal of the pollen. The post-floral phase is characterized by the maturity of the seeds. The seeds become dispersed by frugivore animals, which feed on the figs, and by rivers.

The females of *C. galili* (Suppl._B: Fig.2_d) share many morphological characteristics with the females of *C. arabicus*. In contrast, they have smaller eyes, are black and do not transfer the pollen of *F. sycomorus* even though they have pollen pockets. The offspring of *C. galili* do not suffer an increased mortality when they develop in unpollinated flowers (Compton *et al.* 1991). The females of *S. sycomori* (Suppl._B: Fig.2_f) are black, have no thickening at their antennae and have no pollen pockets. Like the females of *C. galili* they do not transfer the pollen of *F. sycomorus*. Due to the length of their ovipositor, which is up to 1.75 mm long (Galil & Eisikowitch 1968_b), they can oviposit into short- and long-styled flowers. The males of both non-pollinators (Suppl._B: Fig.2_{e,g}) are, like the males of *C. arabicus*, able to tunnel through the fig wall.

2.3. Collection of Figs

In total, 6702 immature figs of phase C (Tab.1, Suppl._B: Fig.4_A, Suppl._C: Tab.2) were collected in KNP and Nelspruit from 117 *F. sycomorus* trees, in October and December 2003 and in February 2004. The trees sampled in KNP are growing along Sabie, N'waswitsontso, Timbavati, Olifants, Letaba, Shingwedzi, Phugwane, Mphongolo and Limpopo River, as well as in Skukuza and Letaba Camp. The figs were taken from as many as possible lower branches. The figs were then cut in half and analyzed under a dissecting microscope. The

foundresses of the species, found in the fig cavity and among the ostiolar bracts (facing outwards) were counted. Figs without any foundresses were rare. Under the assumption that the females, which occupied them, managed to exit they were excluded from the data set. One fig, collected in December 2003 from a tree in Letaba Camp, contained an exceptionally high number of 106 *C. galili* foundresses. Because this fig probably lacked oviposition, it also has

TABLE 1: Locations in *Kruger National Park* and Nelspruit from where immature figs were collected.

Date	Location		Number	Number
			of Trees	of Figs
February 2004	Central Part of KNP	Olifants River	8	443
		Timbavati River	3	229
December 2003	Far Northern Part of KNP	Limpopo River	1	77
	Northern Part of KNP	Shingwedzi River	10	1969
	Central Part of KNP	Letaba Camp	2	92
	Nelspruit	Nelspruit	2	69
	Northern Part of KNP	Mphongolo River	7	287
October 2003	Northern Part of KNP	Phugwane River	1	23
		Shingwedzi River	18	342
		Letaba River	8	238
	Central Part of KNP	Olifants River	15	401
		Timbavati River	5	215
		N'waswitsontso River	7	238
	Southern Part of KNP	Skukuza Camp	1	251
		Sabie River	29	1828
Total			117	6702

been excluded from the data set. If many females enter a fig, they may interfere with one another's oviposition. In the absence of oviposition, the figs continue to attract wasps.

In total, 275 mature figs of phase D were collected in KNP and Nelspruit from 13 *F. sycomorus* trees, in February 2004 (Tab.3, Suppl._B: Fig.4_{B,C}, Suppl._D: Tab.4). The trees sampled in KNP are growing along Timbavati and Olifants River and in Olifants Camp. The mature figs were collected during the morning (day A) from as many as possible lower branches. In the early afternoon (day A) the figs were placed individually into film canisters with their ostiole facing upwards. The opening of the film canisters was then closed by fine meshed nets. From the afternoon (day A) to the following morning (day B) the canisters were checked every half an hour. The time was recorded, at which the female offspring of the primary sycophiles left their figs. Of the 275 mature figs, 257 figs were then placed into a freezer regardless of the

TABLE 3: Locations in *Kruger National Park* and Nelspruit from where mature figs were collected.

Date	Location		Number	Number
			of Trees	of Figs
February 2004	Central Part of KNP	Olifants Camp	3	128
		Olifants River	6	76
		Timbavati River	3	33
December 2003	Nelspruit	Nelspruit	1	20
Total			13	257

time, at which the release of the females took place. All females, which left their galls and hence were found inside the fig cavity, the tunnel and the film canister, were counted. The abundance of the male offspring was not determined, because the males of

C. arabicus and *C. galili* are not distinguishable based on their morphology. The abundance of the foundresses, which produced this offspring has not been determined because opening the figs in phase D would have changed the physical and chemical environment of the fig cavity. This in turn, would have influenced the male's behavior in releasing the female offspring from their galls and thus the number of released females. The remaining 18 mature figs were used in order to determine the longevity of the female wasps. Therefore, the females were placed into 1.5 ml Eppendorf vials in direct succession to their release. The opening of the tubes was closed by fine meshed nets. Every hour the tubes were checked under a dissecting microscope for the survival of the females. A female was declared dead when repeated shaking of the tubes did not lead to any response.

2.4. Niche Ecology

2.4.1. Abundance

In order to investigate, how common the foundresses of the species were, their abundance was determined with regard to all 6702 immature figs (Suppl._C: Tab.2). How common the female

offspring of the species were, was determined by considering all 257 mature figs (Suppl._D: Tab.4). In both cases, figs that contained a given species and those that did not were included. The average abundance of one species was determined without taking the presence of other species into account.

In order to examine, how numerous the foundresses of the species were during oviposition, their abundance was determined in relation to only those immature figs, in which they were present (Suppl._C: Tab.2). The average abundance of one species, was also determined without taking note of the presence of other species.

2.4.2. Time of Emergence

The time of the female emergence was determined with regard to those mature figs, which released female offspring of only one species (Suppl._D: Tab.4, Suppl._E: Tab.5). Eighty-eight of the 140 mature figs, of which the emergence has been timed, released female offspring of only one species. It was therefore assumed that in the absence of female offspring of other species, also no male offspring of other species were present, which would have influenced the time of the emergence of the species in question. Two reasons support this assumption. First, the abundance of foundresses of other species that may also have reproduced in the same figs are expected to be low. Consequently, they would have produced offspring with a strongly female biased sex ratio. Therefore, if no female offspring of those species are found, the probability to find male offspring of those species is rather low. Second, in the tunneling a large number of male offspring participates. This makes the completion of a tunnel by a few males of another species even less likely.

2.4.3. Longevity

The average longevity of 86 *C. arabicus*, 19 *C. galili* and 121 *S. sycomori* females reared from the 18 mature figs was determined (Suppl._E: Tab.6).

2.4.4. Species Composition

How often immature figs were occupied by the foundresses of one, two or all three species was determined by considering all 6702 immature figs (Suppl._C: Tab.2). The number of figs that were occupied by one foundress and the average number of *C. arabicus* foundresses in figs that were occupied, in addition to *C. arabicus*, also by *C. galili* or *S. sycomori* was also noted.

2.5. Statistical Analysis

The data were analyzed by means of *Microsoft Excel*²⁰⁰⁰, *Sigma Plot*^{8.0} and *SPSS*^{12.0}. In order to compare data sets by means of a T test (independent samples), the data sets were tested for their normality by means of a Kolmogorov-Smirnov test (KS) and for the equality of their variances by means of a Levene test (LE). In case data sets did not match the conditions of parametric testing, a non-parametric Mann-Whitney test (MW) was applied. Those data sets, which consisted of counts, were compared by means of a Chi² test (CH). In case data sets were used twice a Bonferoni correction was applied, in which the critical alpha value for each comparison was reduced to 2.5%. Only those critical alpha values are noted, which deviate from 5.0%.

3. RESULTS

The *F. sycomorus* trees of the study area produced two types of figs. Some trees produced exclusively smooth figs (Suppl._B: Fig.4_B), whereas most trees produced exclusively hairy figs (Suppl._B: Fig.4_C). However, the data obtained from smooth and hairy figs were analyzed in combination.

3.1. Abundance

The abundance (Fig.5_A, Tab.8_A) of the *C. galili* ($\bar{x}=0.90$) and *C. arabicus* ($\bar{x}=0.87$) foundresses differed significantly (MW: $N_{C.g.}=6702$, $N_{C.a.}=6702$, $U=17395413.0$, $P_a=0.025$, $P<0.001$). However, due to the magnitude of this difference, its biological relevance is questionable. In contrast, the foundresses of *S. sycomori* ($\bar{x}=1.72$) were much more common than the foundresses of *C. arabicus* ($\bar{x}=0.87$; MW: $N_{S.s.}=6702$, $N_{C.a.}=6702$, $U=20533622.0$, $P_a=0.025$, $P<0.001$). The immature figs contained up to 16 *C. arabicus*, 55 *C. galili* and 34 *S. sycomori* foundresses.

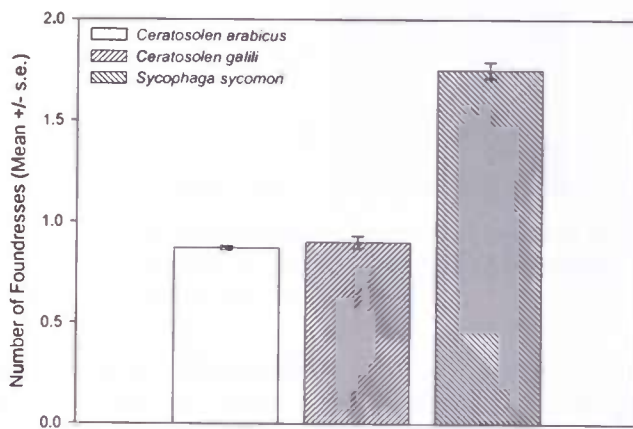


FIGURE 5_A: Average number of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.) foundresses in immature figs.

TABLE 8_A: Average number and range of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.) foundresses in immature figs.

	C.a.	C.g.	S.s.
Average	0.87	0.90	1.72
std.	1.20	2.73	2.98
Number of Figs	6702	6702	6702
s.e.	0.01	0.03	0.04
Range	0-16	0-55	0-34

The abundances of the female offspring (Fig.5_B, Tab.8_B) of *C. arabicus* ($\bar{x}=23.00$) and *C. galili* ($\bar{x}=17.88$) did not differ significantly (MW: $N_{C.g.}=257$, $N_{C.a.}=257$, $U=29900.5$, $P_a=0.025$, $P=0.026$). The female offspring of *S. sycomori* ($\bar{x}=90.20$) were significantly more common than the female offspring of *C. arabicus* ($\bar{x}=23.00$; MW: $N_{S.s.}=257$, $N_{C.a.}=257$, $U=19479.5$, $P_a=0.025$, $P<0.001$). The mature figs, reared up to 567 *S. sycomori*, 297 *C. galili* and 192 *C. arabicus* females.

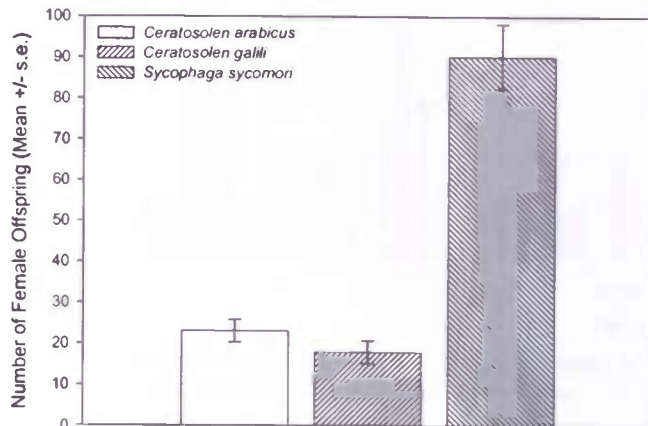


TABLE 5_B: Average number of female offspring of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.) reared from mature figs.

TABLE 8_B: Average number and range of female offspring of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.) reared from mature figs.

	C.a.	C.g.	S.s.
Average	23.00	17.88	90.20
std.	44.08	44.36	127.20
Number of Figs	257	257	257
s.e.	2.75	2.77	7.93
Range	0-192	0-297	0-567

When present (Fig.5_c, Tab.8_c), the foundresses of *C. galili* ($\bar{x}=3.57$) occupied the fig cavity significantly more numerous than the foundresses of *C. arabicus* ($\bar{x}=1.68$; MW: $N_{C.g.}=1684$, $N_{C.a.}=3462$, $U=2019915.5$, $P_a=0.025$, $P<0.001$). Also the foundresses of *S. sycomori* ($\bar{x}=3.40$) were, when present, significantly more numerous than the foundresses of *C. arabicus* ($\bar{x}=1.68$; MW: $N_{S.s.}=3388$, $N_{C.a.}=3462$, $U=3691874.0$, $P_a=0.025$, $P<0.001$).

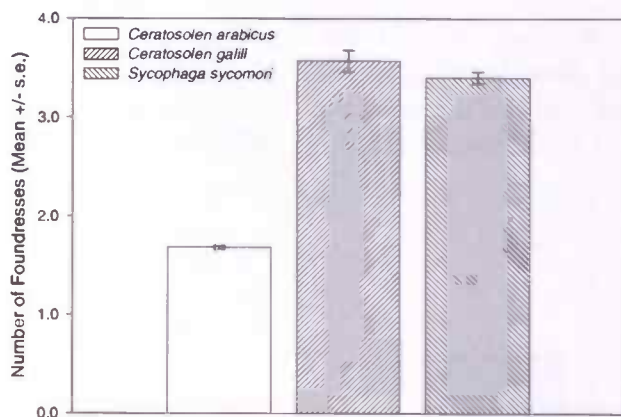


TABLE 5_c: Average number of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.) foundresses in immature figs, when present.

TABLE 8_c: Average number and range of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.) foundresses in immature figs, when present.

	C.a.	C.g.	S.s.
Average	1.68	3.57	3.40
std.	1.18	4.48	3.45
Number of Figs	3462	1684	3388
s.e.	0.02	0.11	0.06
Range	1-16	1-55	1-34

3.2. Time of Emergence

Eighty-eight figs reared female offspring of one species only. Twenty of these figs reared *C. arabicus*, 11 *C. galili* and 57 *S. sycomori* (Fig.6, Tab.9). The figs, which reared *C. arabicus*, released 80.0% in the evening (18:00h – 0:00h), 15.0% in the night (0:00h – 6:00h) and 5.0% in the morning (6:00h – 12:00h). The figs that reared *C. galili* released 36.4% in the night (0:00h – 6:00h), 54.5% in the morning (6:00h – 12:00h) and 9.1% in the afternoon (12:00h –

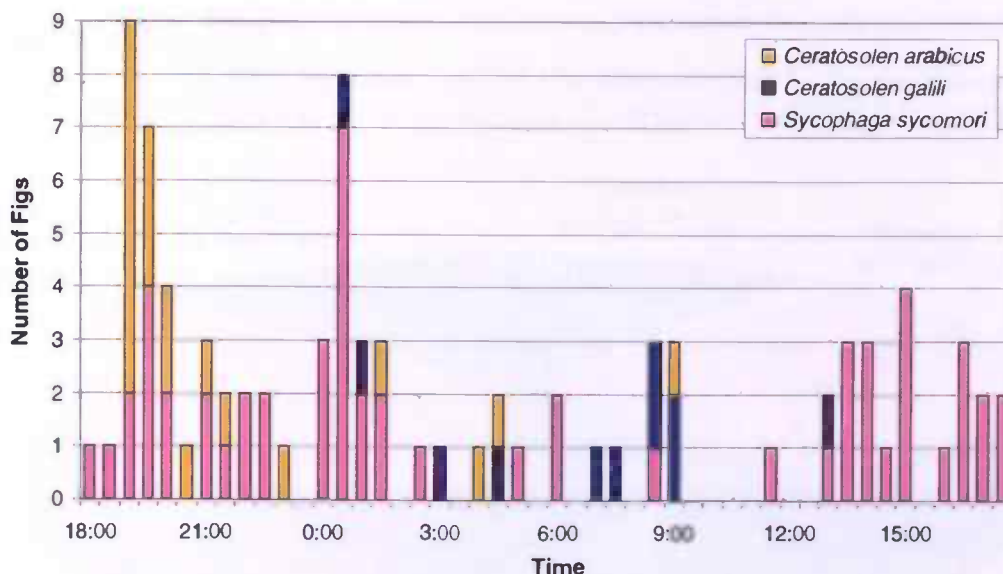


FIGURE 6: Time, at which female offspring of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.), emerged from mature figs.

18:00h). The figs, which reared *S. sycomori*, released 29.8% in the evening (18:00h – 0:00h), 28.1% in the night (0:00h – 6:00h), 7.0% in the morning (6:00h – 12:00h) and 35.1% in the afternoon (12:00h – 18:00h). The female offspring of *C. arabicus* and *C. galili* thus emerged

most commonly in the evening and morning respectively, whereas the females of *S. sycomori* emerged in high percentages throughout night and day. Further, it can be said that the emergence time of *C. arabicus* overlaps strongly with the emergence time of *S. sycomori* but only slightly with that of *C. galili*.

3.4. Longevity

The female offspring (Fig.7, Tab.10) of *C. galili* (\bar{x} =9.45) lived significantly shorter than that of *C. arabicus* (\bar{x} =13.53; MW: $N_{C.g.}$ =19, $N_{C.a.}$ =86, U =217.0, P_a =0.025, $P<0.001$). In contrast, the female offspring of *S. sycomori* (\bar{x} =20.16) lived significantly longer than that of *C. arabicus* (\bar{x} =13.53; MW: $N_{S.s.}$ =121, $N_{C.a.}$ =86, U =1617.5, P_a =0.025, $P<0.001$).

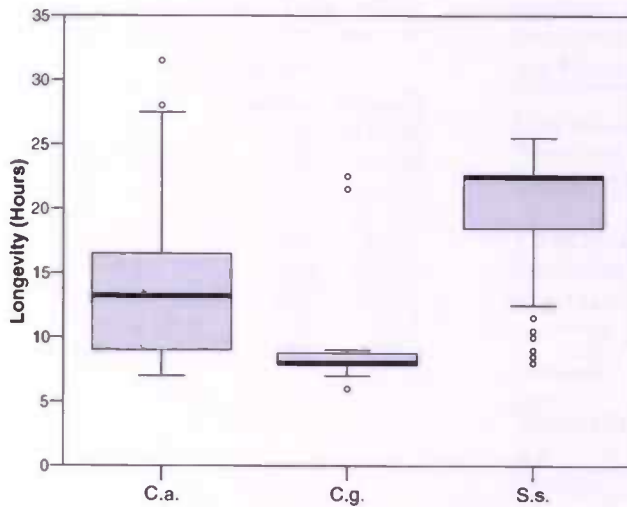


FIGURE 7: Longevity of female offspring of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.).

TABLE 9: Time, at which female offspring of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.), emerged from mature figs.

	C.a.	C.g.	S.s.
Evening (18:00h-0:00h)	80.0%	0.0%	29.8%
Night (0:00h-6:00h)	15.0%	36.4%	28.1%
Morning (6:00h-12:00h)	5.0%	54.5%	7.0%
Afternoon (12:00h-18:00h)	0.0%	9.1%	35.1%
Number of Figs	20	11	57

TABLE 10: Longevity of female offspring of *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.).

	C.a.	C.g.	S.s.
Average	13.53	9.45	20.16
std.	4.88	4.51	4.50
Number of Wasps	86	19	121
s.e.	0.53	1.03	0.41
Min.	7.00	6.00	8.00
Max.	31.50	22.50	25.50

3.5. Species Composition

The majority, namely 4969 immature figs (74.1%) were occupied by the foundresses of one species, 1634 of them (24.4%) by the foundresses of two species and 99 of them (1.5%) by the

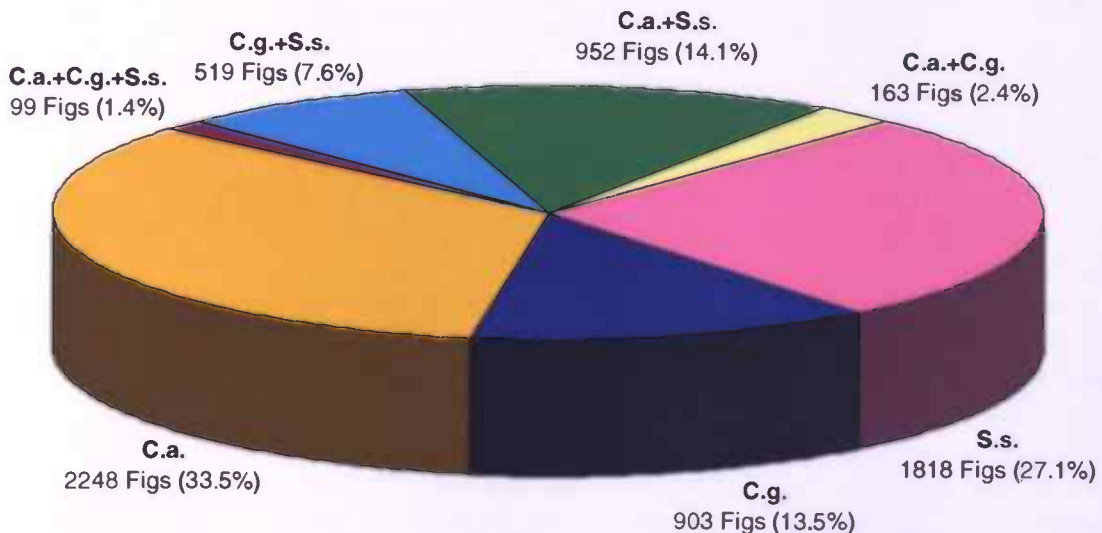


FIGURE 8: Species composition of immature figs. Figs, occupied by one, two or three primary sycophiles.

foundresses of three species (Fig.8, Tab.11). With regard to the figs occupied by the foundresses of one species, 2248 figs contained *C. arabicus*, 903 figs *C. galili* and 1818 figs *S. sycomori*. The 163 figs that contained foundresses of *C. arabicus* and *C. galili* were less common than the 952 figs that contained foundresses of *C. arabicus* and *S. sycomori*. 60.1% of the immature figs with exclusively *C. arabicus*, 31.0% of the figs with exclusively *C. galili* and 25.2% of the figs with exclusively *S. sycomori* contained one foundress only (Tab.12). The number of *C. arabicus* foundresses in figs with ($\bar{x}=1.33$) or without ($\bar{x}=1.69$) the foundresses of *C. galili* differed significantly (Tab.13; MW: $N_{C.a.+C.g.}=163$, $N_{C.a.}=2248$, $U=145984.0$, $P_a=0.017$, $P<0.001$). The number of *C. arabicus* foundresses in figs with ($\bar{x}=1.74$) or without ($\bar{x}=1.69$) the foundresses of *S. sycomori* (MW: $N_{C.a.+S.s.}=952$, $N_{C.a.}=2248$, $U=1065433.0$, $P_a=0.025$, $P=0.826$) did not differ significantly.

TABLE 11: Species composition of immature figs. Figs, which were occupied by one, two or three primary sycophiles.

	Number of Figs	Percent of Figs
C.a.	2248	33.5%
C.g.	903	13.5%
S.s.	1818	27.1%
C.a.+C.g.	163	2.4%
C.a.+S.s.	952	14.2%
C.g.+S.s.	519	7.7%
C.a.+C.g.+S.s.	99	1.5%
Total	6702	100%

TABLE 12: Number of figs with *C. arabicus* (C.a.), *C. galili* (C.g.) and *S. sycomori* (S.s.), containing one or more than one foundress.

	C.a.	C.g.	S.s.
One Wasp	60.1%	31.0%	25.2%
More than One Wasp	39.9%	69.0%	74.8%
Number of Figs	2248	903	1818

TABLE 13: Number of *C. arabicus* (C.a.) foundresses in figs with and without *C. galili* (C.g.) and *S. sycomori* (S.s.).

	C.a.	C.a.+C.g.	C.a.+S.s.
Average	1.69	1.33	1.74
std.	1.15	0.83	1.32
Number of Figs	2248	163	952
s.e.	0.02	0.07	0.04
Range	1-14	1-7	1-16

4. DISCUSSION

The foundresses and female offspring of *S. sycomori* were, in comparison to the ones of *C. arabicus* and *C. galili*, relatively common. Therefore, *S. sycomori* is supposed to have a relatively high potential to compete with *C. arabicus*, and *C. galili* a relatively low one. Further, the females of *S. sycomori* lived longer than the females of *C. arabicus* and *C. galili*, which benefits their fitness and may increase their potential for competition. The longevity of all primary sycophiles however was surprisingly short, which could be an artefact of the test conditions. The foundresses of *C. galili* and *S. sycomori* were, in contrast to the foundresses of *C. arabicus*, relatively numerous during oviposition. This indicates that *C. arabicus* produces offspring with a strongly female biased sex ratio and therefore has a relatively high per capita growth rate.

The females of *C. arabicus* emerged from their figs most commonly in the evening, the *C. galili* females most commonly in the morning. This finding indicates first that the female emergence and thus the male tunneling is timed in both species. It indicates second that the timing of the female emergence is adjusted to the timing of the female dispersal. The females of *C. arabicus* emerge in the evening and disperse during the night and the females of *C. galili* emerge in the morning and disperse during the day. Compton *et al.* (1991) suggested that figs with foundresses of *C. arabicus* and *C. galili* are relatively rare probably due to the difference in the dispersal time of their females. The likelihood for females that disperse at a different time to approach the same attractive figs and to find entered figs still attractive, is relatively low. Also in this study, figs with foundresses of both species were found to be relatively rare. The observation that the number of pollinator foundresses in figs with exclusively *C. arabicus* was higher than their number in figs with *C. arabicus* and *C. galili*, is in tune with the last finding. Namely, if both species disperse at a different time, the number of dispersing *C. arabicus* females is rather low at the time, when attractive figs are entered by the females of *C. galili*. Why should *C. arabicus* and *C. galili* emerge and disperse at a different time? One possible explanation for it is that both species, because of their close genetic relatedness, are not able to recognize each other as different species. This again, could lead to the foundresses adjusting the offspring's sex ratio in a wrong way. A *C. arabicus* female, when accompanied by many *C. galili* females, would produce offspring with a slightly female biased sex ratio. In consequence, only a fraction of its male offspring would be able to mate. Alternatively, the species inability to recognize the other species could lead to the male offspring, mating with the wrong females. In order to confirm that the characteristics of the *C. arabicus* females (large eyes) and *C. galili* females (body pigments preventing their dehydration) is an adaptation and not a reason for the females to disperse in the night and day respectively, the fitness of night- and day-flying *C. arabicus* females could be compared.

The *S. sycomori* females emerged from their figs during night and day. The fact that figs with foundresses of *C. arabicus* and *S. sycomori* were relatively common, indicates that the *S. sycomori* females disperse during night and day. Thereby, the night-flying *S. sycomori* females would approach attractive figs at the same time as the night-flying *C. arabicus* females. The observation that the number of pollinator foundresses in figs with exclusively *C. arabicus* was the same as their number in figs with *C. arabicus* and *S. sycomori* is in tune with the last finding. Namely, if both species disperse at the same time, the number of dispersing *C. arabicus* females is high at the time, when attractive figs are entered by the females of *S. sycomori*. Why do *C. arabicus* and *C. galili* females emerge and probably disperse at the same time? First, *C. arabicus* and *S. sycomori* are not genetically that related. This makes it likely for the *C. arabicus* females to recognize the *S. sycomori* females as another species and to adjust the sex ratio of their offspring in a right way. Here, a single *C. arabicus* female would produce offspring with a strongly female biased sex ratio even when occupying figs with many *S. sycomori* females. Second, the females oviposit into distinct areas of the fig cavity (Galil & Eisikowitch 1969). The areas of both species are so distinct that the ones of *C. arabicus*

develop galls and seeds, whereas the ones of *S. sycomori* develop exclusively galls. Competition between both species for the female flowers could reduce the size of these areas but would ensure a certain fitness for the females of both species.

The majority of the figs were occupied by single species. The finding that figs with more than one species were relatively scarce, indicates that *C. galili* and *S. sycomori* have a relatively low potential to compete with *C. arabicus*. The majority of the figs with *C. arabicus* were occupied by one foundress. This indicates that the pollinator has a high capability to monopolize figs and therefore a high potential to compete for attractive figs. Its pollination activity, in addition to its oviposition, could underlie its ability to monopolize figs.

In general, several indications were found that the primary sycophiles occupy niches at *F. sycomorus*, which differ in time and space. After all, *Ceratosolen* females timed their emergence and the majority of figs were occupied by a single species. However, indications were also found for the species potential to compete with one another. On the one hand, *S. sycomori* was relatively common and on the other hand, *C. arabicus* seemed to be good in monopolizing attractive figs. Finally, indications were found for mechanisms, which could compensate the species competition. Due to *C. arabicus* ovipositing in low abundance, they were supposed to have a high per capita growth rate.

More research is needed to make statements about the magnitude of the niche overlap and about the reliability of *F. sycomorus* as food resource in KNP. The following aspects of the ecology of the fig tree/ wasp pollination mutualism would thereby be of interest. It would, for example, be interesting to investigate the population structure of the fig wasp species by means of molecular techniques. Therefore, it would be necessary to compare the genetic relatedness of fig wasps, collected from different locations in the study area. In case the species occur in meta-populations, it would be more difficult for the non-pollinators to invade and take over all populations of the pollinator.

Further, it would be of interest to analyze the female's ability to adjust its offspring's sex ratio and in this context the female's capability to recognize other species and to count other females. Therefore, an increasing number of foundresses must be introduced into attractive figs, belonging to one or more than one species and the number of their male and female offspring has to be counted. In case the foundresses of for example *C. arabicus* are able to recognize *C. galili* as another species, a single *C. arabicus* foundress would produce offspring with a strongly female biased sex ratio even when accompanied by many *C. galili* foundresses.

Finally, it would be interesting to investigate the effect of the secondary sycophilic fig wasp species and the environmental conditions like windspeed, rainfall and the fig tree's crop production on the coexistence of the primary sycophiles and the stability of the pollination-mutualism.

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SUPPLEMENT A

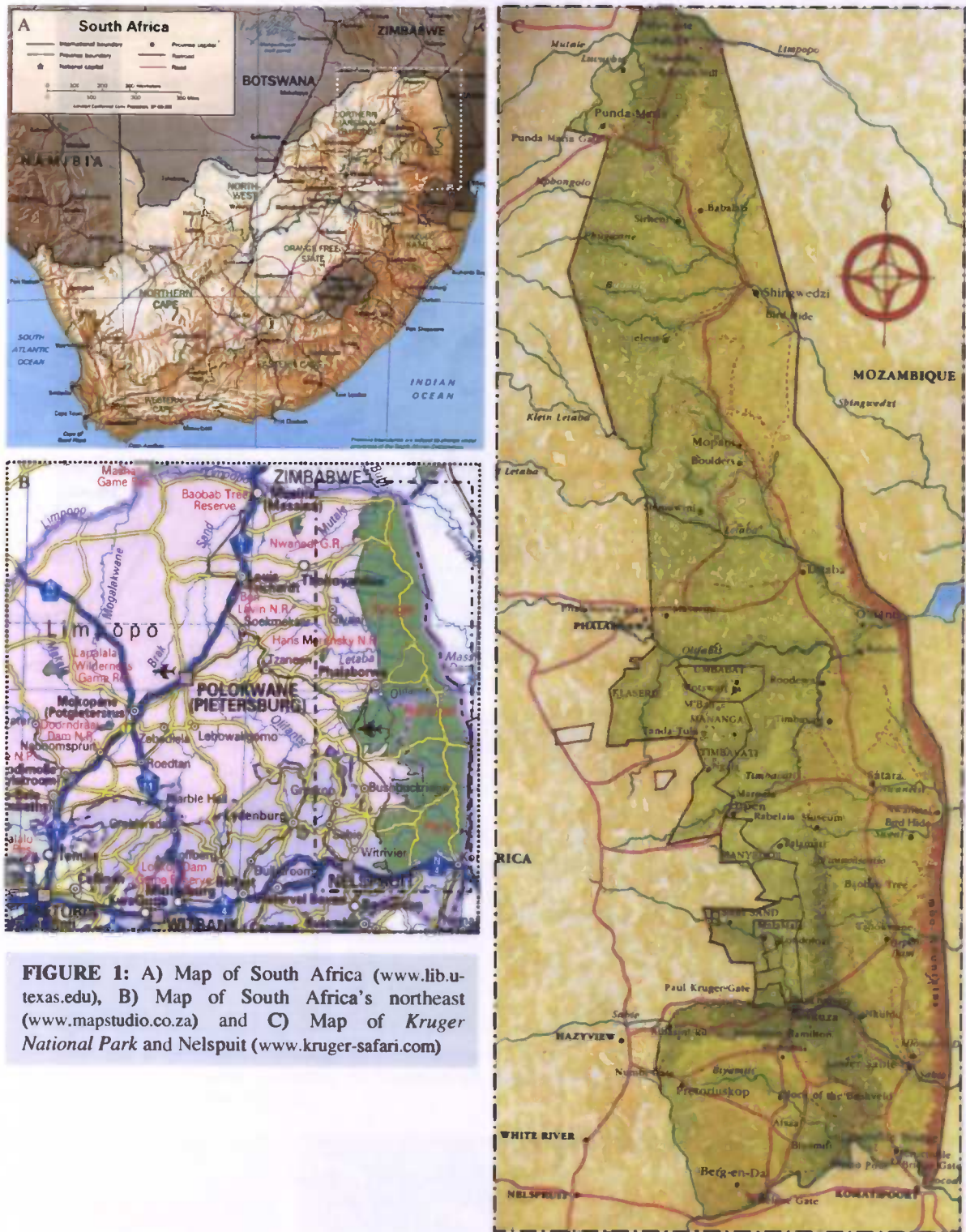


FIGURE 1: A) Map of South Africa (www.lib.u-texas.edu), B) Map of South Africa's northeast (www.mapstudio.co.za) and C) Map of Kruger National Park and Nelspruit (www.kruger-safari.com)

SUPPLEMENT B



FIGURE 2: A) *Ficus sycomorus*, B) *Ceratosolen arabicus* (Female), C) *Ceratosolen arabicus* (Male) D) *Ceratosolen galili* (Female), E) *Ceratosolen galili* (Male), F) *Sycophaga sycomori* (Female), G) *Sycophaga sycomori* (Male).

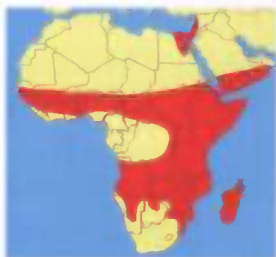


FIGURE 3: Distribution of *Ficus sycomorus* (www.figweb.org).



FIGURE 4: A) Immature figs of phase C (www.figweb.org), B) Hairy mature fig of phase E, C) Smooth mature fig of phase D.

SUPPLEMENT C

TABLE 2: Foundress numbers of primary sycophiles in 6702 immature figs.

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	1	1	0	0	3	3
October 2003	Sabie River	1	2	0	0	2	2
October 2003	Sabie River	1	3	1	0	0	1
October 2003	Sabie River	1	4	0	1	4	5
October 2003	Sabie River	1	5	0	0	1	1
October 2003	Sabie River	1	6	1	0	0	1
October 2003	Sabie River	1	7	1	0	0	1
October 2003	Sabie River	2	8	0	1	0	1
October 2003	Sabie River	2	9	2	0	0	2
October 2003	Sabie River	2	10	1	0	0	1
October 2003	Sabie River	2	11	0	0	4	4
October 2003	Sabie River	2	12	1	0	0	1
October 2003	Sabie River	2	13	0	0	2	2
October 2003	Sabie River	2	14	1	0	0	1
October 2003	Sabie River	2	15	1	0	0	1
October 2003	Sabie River	2	16	0	0	2	2
October 2003	Sabie River	2	17	1	0	0	1
October 2003	Sabie River	2	18	1	0	0	1
October 2003	Sabie River	2	19	0	1	1	2
October 2003	Sabie River	2	20	0	0	3	3
October 2003	Sabie River	2	21	0	0	2	2
October 2003	Sabie River	2	22	0	2	0	2
October 2003	Sabie River	2	23	1	0	0	1
October 2003	Sabie River	2	24	0	1	0	1
October 2003	Sabie River	2	25	1	0	0	1
October 2003	Sabie River	2	26	0	1	0	1
October 2003	Sabie River	2	27	1	0	0	1
October 2003	Sabie River	2	28	0	0	4	4
October 2003	Sabie River	2	29	1	0	0	1
October 2003	Sabie River	2	30	1	0	0	1
October 2003	Sabie River	2	31	2	0	0	2
October 2003	Sabie River	2	32	2	0	0	2
October 2003	Sabie River	2	33	1	0	1	2
October 2003	Sabie River	2	34	1	0	0	1
October 2003	Sabie River	2	35	0	0	2	2
October 2003	Sabie River	2	36	1	0	0	1
October 2003	Sabie River	2	37	1	0	0	1
October 2003	Sabie River	2	38	1	0	0	1
October 2003	Sabie River	2	39	1	0	0	1
October 2003	Sabie River	2	40	0	0	1	1
October 2003	Sabie River	2	41	0	0	2	2
October 2003	Sabie River	2	42	1	0	1	2
October 2003	Sabie River	2	43	0	2	0	2
October 2003	Sabie River	2	44	1	1	0	2
October 2003	Sabie River	2	45	1	0	1	2
October 2003	Sabie River	2	46	2	0	0	2
October 2003	Sabie River	2	47	0	0	4	4
October 2003	Sabie River	2	48	0	0	1	1
October 2003	Sabie River	2	49	1	1	3	5
October 2003	Sabie River	2	50	0	1	1	2
October 2003	Sabie River	2	51	0	0	1	1
October 2003	Sabie River	2	52	0	1	1	2
October 2003	Sabie River	2	53	0	1	1	2
October 2003	Sabie River	2	54	0	0	1	1
October 2003	Sabie River	2	55	0	0	4	4
October 2003	Sabie River	2	56	1	0	1	2
October 2003	Sabie River	2	57	2	0	0	2
October 2003	Sabie River	2	58	1	0	1	2
October 2003	Sabie River	2	59	0	0	2	2
October 2003	Sabie River	2	60	0	0	1	1
October 2003	Sabie River	2	61	1	0	0	1
October 2003	Sabie River	2	62	1	0	0	1
October 2003	Sabie River	3	63	0	8	0	8
October 2003	Sabie River	3	64	2	0	0	2
October 2003	Sabie River	3	65	2	0	0	2
October 2003	Sabie River	3	66	3	3	0	6
October 2003	Sabie River	3	67	2	0	0	2
October 2003	Sabie River	3	68	2	0	0	2
October 2003	Sabie River	3	69	2	0	0	2
October 2003	Sabie River	3	70	0	2	0	2

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	3	71	0	7	1	8
October 2003	Sabie River	3	72	1	8	0	9
October 2003	Sabie River	3	73	1	2	1	4
October 2003	Sabie River	3	74	2	0	0	2
October 2003	Sabie River	3	75	2	0	0	2
October 2003	Sabie River	3	76	2	0	0	2
October 2003	Sabie River	3	77	2	0	0	2
October 2003	Sabie River	3	78	1	5	0	6
October 2003	Sabie River	3	79	0	4	0	4
October 2003	Sabie River	3	80	2	0	0	2
October 2003	Sabie River	3	81	0	0	3	3
October 2003	Sabie River	3	82	1	1	4	6
October 2003	Sabie River	3	83	3	0	1	4
October 2003	Sabie River	3	84	1	0	0	1
October 2003	Sabie River	3	85	0	3	0	3
October 2003	Sabie River	3	86	3	0	0	3
October 2003	Sabie River	3	87	1	0	0	1
October 2003	Sabie River	3	88	0	3	0	3
October 2003	Sabie River	3	89	0	10	0	10
October 2003	Sabie River	3	90	0	0	4	4
October 2003	Sabie River	3	91	4	0	0	4
October 2003	Sabie River	3	92	0	4	0	4
October 2003	Sabie River	3	93	2	0	0	2
October 2003	Sabie River	3	94	0	0	10	10
October 2003	Sabie River	3	95	1	0	1	2
October 2003	Sabie River	3	96	0	3	0	3
October 2003	Sabie River	3	97	0	5	0	5
October 2003	Sabie River	3	98	1	0	0	1
October 2003	Sabie River	3	99	0	1	3	4
October 2003	Sabie River	3	100	2	0	0	2
October 2003	Sabie River	3	101	2	0	1	3
October 2003	Sabie River	3	102	2	0	0	2
October 2003	Sabie River	3	103	1	5	0	6
October 2003	Sabie River	3	104	1	0	0	1
October 2003	Sabie River	3	105	3	0	0	3
October 2003	Sabie River	3	106	1	0	4	5
October 2003	Sabie River	3	107	2	0	0	2
October 2003	Sabie River	3	108	0	2	0	2
October 2003	Sabie River	3	109	1	0	1	2
October 2003	Sabie River	3	110	1	2	3	6
October 2003	Sabie River	3	111	3	0	0	3
October 2003	Sabie River	3	112	2	0	0	2
October 2003	Sabie River	3	113	1	0	1	2
October 2003	Sabie River	3	114	1	2	0	3
October 2003	Sabie River	3	115	0	0	2	2
October 2003	Sabie River	3	116	1	1	0	2
October 2003	Sabie River	3	117	2	0	3	5
October 2003	Sabie River	3	118	2	0	0	2
October 2003	Sabie River	3	119	1	1	8	10
October 2003	Sabie River	3	120	3	0	0	3
October 2003	Sabie River	3	121	1	0	2	3
October 2003	Sabie River	3	122	3	0	0	3
October 2003	Sabie River	3	123	2	0	1	3
October 2003	Sabie River	3	124	1	0	0	1
October 2003	Sabie River	3	125	2	0	0	2
October 2003	Sabie River	3	126	2	0	3	5
October 2003	Sabie River	3	127	2	1	1	4
October 2003	Sabie River	3	128	0	1	0	1
October 2003	Sabie River	3	129	0	6	0	6
October 2003	Sabie River	3	130	0	1	1	2
October 2003	Sabie River	3	131	1	2	1	4
October 2003	Sabie River	3	132	1	0	1	2
October 2003	Sabie River	3	133	0	1	1	2
October 2003	Sabie River	3	134	0	8	1	9
October 2003	Sabie River	3	135	3	0	0	3
October 2003	Sabie River	3	136	2	0	0	2
October 2003	Sabie River	3	137	0	3	0	3
October 2003	Sabie River	3	138	2	0	0	2
October 2003	Sabie River	3	139	1	0	2	3
October 2003	Sabie River	3	140	2	2	3	7

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	3	141	1	0	10	11
October 2003	Sabie River	3	142	2	0	2	4
October 2003	Sabie River	3	143	0	1	0	1
October 2003	Sabie River	3	144	1	0	0	1
October 2003	Sabie River	3	145	2	0	0	2
October 2003	Sabie River	3	146	0	3	0	3
October 2003	Sabie River	3	147	0	3	3	6
October 2003	Sabie River	3	148	2	0	0	2
October 2003	Sabie River	3	149	2	0	0	2
October 2003	Sabie River	3	150	0	0	4	4
October 2003	Sabie River	3	151	3	0	1	4
October 2003	Sabie River	3	152	1	1	0	2
October 2003	Sabie River	3	153	1	0	0	1
October 2003	Sabie River	3	154	0	1	0	1
October 2003	Sabie River	3	155	1	0	0	1
October 2003	Sabie River	4	156	1	0	1	2
October 2003	Sabie River	4	157	0	0	2	2
October 2003	Sabie River	4	158	1	0	0	1
October 2003	Sabie River	4	159	0	0	2	2
October 2003	Sabie River	4	160	1	0	3	4
October 2003	Sabie River	4	161	0	0	3	3
October 2003	Sabie River	4	162	0	0	2	2
October 2003	Sabie River	4	163	0	0	2	2
October 2003	Sabie River	4	164	0	0	5	5
October 2003	Sabie River	4	165	1	0	0	1
October 2003	Sabie River	4	166	1	0	0	1
October 2003	Sabie River	4	167	1	0	0	1
October 2003	Sabie River	4	168	0	0	2	2
October 2003	Sabie River	4	169	1	0	2	3
October 2003	Sabie River	4	170	0	2	1	3
October 2003	Sabie River	4	171	0	0	1	1
October 2003	Sabie River	4	172	2	0	0	2
October 2003	Sabie River	4	173	0	2	0	2
October 2003	Sabie River	4	174	0	0	2	2
October 2003	Sabie River	4	175	1	0	1	2
October 2003	Sabie River	4	176	1	0	1	2
October 2003	Sabie River	4	177	1	0	1	2
October 2003	Sabie River	4	178	1	0	4	5
October 2003	Sabie River	4	179	2	0	0	2
October 2003	Sabie River	4	180	2	0	0	2
October 2003	Sabie River	4	181	0	0	3	3
October 2003	Sabie River	4	182	0	0	3	3
October 2003	Sabie River	4	183	0	0	2	2
October 2003	Sabie River	4	184	0	0	4	4
October 2003	Sabie River	4	185	0	0	2	2
October 2003	Sabie River	4	186	0	0	3	3
October 2003	Sabie River	4	187	1	0	0	1
October 2003	Sabie River	4	188	1	0	0	1
October 2003	Sabie River	4	189	0	1	0	1
October 2003	Sabie River	4	190	0	0	3	3
October 2003	Sabie River	4	191	0	0	3	3
October 2003	Sabie River	4	192	0	0	3	3
October 2003							

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	4	211	1	0	0	1
October 2003	Sabie River	4	212	1	0	0	1
October 2003	Sabie River	4	213	1	0	2	3
October 2003	Sabie River	4	214	0	0	1	1
October 2003	Sabie River	4	215	0	0	3	3
October 2003	Sabie River	4	216	0	0	1	1
October 2003	Sabie River	4	217	0	0	1	1
October 2003	Sabie River	4	218	1	0	0	1
October 2003	Sabie River	4	219	0	0	4	4
October 2003	Sabie River	4	220	2	0	0	2
October 2003	Sabie River	4	221	0	0	2	2
October 2003	Sabie River	4	222	0	1	1	2
October 2003	Sabie River	4	223	0	0	4	4
October 2003	Sabie River	4	224	0	0	2	2
October 2003	Sabie River	4	225	0	0	1	1
October 2003	Sabie River	4	226	0	0	3	3
October 2003	Sabie River	4	227	0	0	4	4
October 2003	Sabie River	4	228	1	0	1	2
October 2003	Sabie River	4	229	1	0	0	1
October 2003	Sabie River	4	230	1	0	0	1
October 2003	Sabie River	4	231	0	0	4	4
October 2003	Sabie River	4	232	0	0	2	2
October 2003	Sabie River	4	233	1	0	0	1
October 2003	Sabie River	4	234	2	0	1	3
October 2003	Sabie River	4	235	0	0	3	3
October 2003	Sabie River	4	236	0	0	3	3
October 2003	Sabie River	4	237	0	0	1	1
October 2003	Sabie River	4	238	0	0	2	2
October 2003	Sabie River	4	239	0	0	3	3
October 2003	Sabie River	4	240	0	0	2	2
October 2003	Sabie River	4	241	0	0	2	2
October 2003	Sabie River	4	242	0	0	2	2
October 2003	Sabie River	4	243	0	0	1	1
October 2003	Sabie River	4	244	0	0	4	4
October 2003	Sabie River	4	245	1	0	1	2
October 2003	Sabie River	4	246	0	0	2	2
October 2003	Sabie River	4	247	0	0	2	2
October 2003	Sabie River	4	248	0	0	2	2
October 2003	Sabie River	4	249	0	0	1	1
October 2003	Sabie River	4	250	1	0	1	2
October 2003	Sabie River	5	251	1	0	0	1
October 2003	Sabie River	5	252	1	0	0	1
October 2003	Sabie River	5	253	2	0	0	2
October 2003	Sabie River	5	254	0	2	0	2
October 2003	Sabie River	5	255	0	1	0	1
October 2003	Sabie River	5	256	0	2	0	2
October 2003	Sabie River	5	257	1	0	0	1
October 2003	Sabie River	5	258	0	2	0	2
October 2003	Sabie River	5	259	1	0	0	1
October 2003	Sabie River	5	260	1	0	0	1
October 2003	Sabie River	5	261	0	1	0	1
October 2003	Sabie River	5	262	2	0	0	2
October 2003	Sabie River	5	263	1	1	0	2
October 2003	Sabie River	5	264	1	0	0	1
October 2003	Sabie River	5	265	1	0	0	1
October 2003	Sabie River	5	266	0	1	0	1
October 2003	Sabie River	6	267	0	0	6	6
October 2003	Sabie River	6	268	1	0	0	1
October 2003	Sabie River	6	269	0	0	2	2
October 2003	Sabie River	6	270	0	0	1	1
October 2003	Sabie River	6	271	1	0	0	1
October 2003	Sabie River	6	272	1	0	0	1
October 2003	Sabie River	6	273	1	0	2	3
October 2003	Sabie River	6	274	1	0	0	1
October 2003	Sabie River	6	275	1	0	0	1
October 2003	Sabie River	6	276	1	0	0	1
October 2003	Sabie River	6	277	1	0	0	1
October 2003	Sabie River	6	278	0	0	2	2
October 2003	Sabie River	6	279	1	0	0	1
October 2003	Sabie River	6	280	0	0	3	3

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	6	281	1	0	0	1
October 2003	Sabie River	6	282	0	0	9	9
October 2003	Sabie River	6	283	1	0	0	1
October 2003	Sabie River	6	284	0	0	3	3
October 2003	Sabie River	6	285	1	0	0	1
October 2003	Sabie River	6	286	0	0	1	1
October 2003	Sabie River	6	287	0	0	2	2
October 2003	Sabie River	7	288	1	0	0	1
October 2003	Sabie River	7	289	1	0	0	1
October 2003	Sabie River	7	290	1	0	1	2
October 2003	Sabie River	7	291	3	0	3	6
October 2003	Sabie River	7	292	0	2	3	5
October 2003	Sabie River	7	293	2	0	2	4
October 2003	Sabie River	7	294	2	0	4	6
October 2003	Sabie River	7	295	1	0	1	2
October 2003	Sabie River	7	296	0	1	0	1
October 2003	Sabie River	7	297	1	0	0	1
October 2003	Sabie River	7	298	1	1	0	2
October 2003	Sabie River	7	299	0	4	2	6
October 2003	Sabie River	7	300	0	2	3	5
October 2003	Sabie River	7	301	1	0	0	1
October 2003	Sabie River	7	302	1	0	1	2
October 2003	Sabie River	7	303	1	0	1	2
October 2003	Sabie River	7	304	0	1	4	5
October 2003	Sabie River	7	305	1	0	1	2
October 2003	Sabie River	7	306	0	9	0	9
October 2003	Sabie River	7	307	0	2	8	10
October 2003	Sabie River	7	308	0	5	0	5
October 2003	Sabie River	7	309	0	8	0	8
October 2003	Sabie River	7	310	0	2	2	2
October 2003	Sabie River	7	311	1	1	5	7
October 2003	Sabie River	7	312	0	2	5	7
October 2003	Sabie River	7	313	2	0	0	2
October 2003	Sabie River	7	314	2	0	0	2
October 2003	Sabie River	7	315	0	1	9	10
October 2003	Sabie River	7	316	1	0	0	1
October 2003	Sabie River	7	317	0	0	6	6
October 2003	Sabie River	7	318	1	0	0	1
October 2003	Sabie River	7	319	2	2	0	4
October 2003	Sabie River	7	320	0	3	7	10
October 2003	Sabie River	7	321	1	1	0	2
October 2003	Sabie River	7	322	0	1	1	2
October 2003	Sabie River	7	323	0	0	2	2
October 2003	Sabie River	7	324	0	0	1	1
October 2003	Sabie River	7	325	0	3	1	4
October 2003	Sabie River	7	326	1	1	0	2
October 2003	Sabie River	7	327	1	0	0	1
October 2003	Sabie River	7	328	1	0	0	1
October 2003	Sabie River	7	329	0	0	12	12
October 2003	Sabie River	7	330	0	3	1	4
October 2003	Sabie River	7	331	1	0	0	1
October 2003	Sabie River	7	332	1	0	0	1
October 2003	Sabie River	7	333	0	1	3	4
October 2003	Sabie River	7	334	0	0	2	2
October 2003	Sabie River	7	335	0	11	0	11
October 2003	Sabie River	7	336	0	1	2	3
October 2003	Sabie River	7	337	0	0	4	4
October 2003	Sabie River	7	338	0	0	5	5
October 2003	Sabie River	7	339	0	0	7	7
October 2003	Sabie River	7	340	0	3	2	5
October 2003	Sabie River	7	341	0	0	6	6
October 2003	Sabie River	7	342	1	0	0	1
October 2003	Sabie River	7	343	0	1	5	6
October 2003	Sabie River	7	344	0	0	3	3
October 2003	Sabie River	7	345	0	0	5	5
October 2003	Sabie River	8	346	0	4	0	4
October 2003	Sabie River	8	347	0	7	2	9
October 2003	Sabie River	8	348	0	3	0	3
October 2003	Sabie River	8	349	0	3	0	3
October 2003	Sabie River	8	350	0	3	1	4

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	8	351	0	0	6	6
October 2003	Sabie River	8	352	0	0	1	1
October 2003	Sabie River	8	353	0	5	0	5
October 2003	Sabie River	8	354	0	2	2	4
October 2003	Sabie River	8	355	0	6	0	6
October 2003	Sabie River	8	356	0	1	0	1
October 2003	Sabie River	8	357	0	0	3	3
October 2003	Sabie River	8	358	0	5	0	5
October 2003	Sabie River	8	359	0	0	2	2
October 2003	Sabie River	8	360	0	0	5	5
October 2003	Sabie River	9	361	1	0	1	2
October 2003	Sabie River	9	362	0	0	5	5
October 2003	Sabie River	9	363	1	0	2	3
October 2003	Sabie River	9	364	0	0	5	5
October 2003	Sabie River	9	365	0	0	4	4
October 2003	Sabie River	9	366	0	0	7	7
October 2003	Sabie River	9	367	1	0	1	2
October 2003	Sabie River	9	368	0	0	4	4
October 2003	Sabie River	9	369	0	0	4	4
October 2003	Sabie River	9	370	0	0	4	4
October 2003	Sabie River	9	371	0	1	3	4
October 2003	Sabie River	9	372	0	0	8	8
October 2003	Sabie River	9	373	0	0	4	4
October 2003	Sabie River	9	374	0	0	7	7
October 2003	Sabie River	9	375	0	2	3	5
October 2003	Sabie River	9	376	0	0	7	7
October 2003	Sabie River	9	377	0	0	6	6
October 2003	Sabie River	9	378	0	0	4	4
October 2003	Sabie River	9	379	0	1	3	4
October 2003	Sabie River	9	380	0	0	4	4
October 2003	Sabie River	9	381	0	0	1	1
October 2003	Sabie River	9	382	0	0	3	3
October 2003	Sabie River	9	383	0	0	6	6
October 2003	Sabie River	9	384	0	0	6	6
October 2003	Sabie River	9	385	0	0	5	5
October 2003	Sabie River	9	386	0	0	4	4
October 2003	Sabie River	9	387	0	2	3	5
October 2003	Sabie River	9	388	0	1	1	2
October 2003	Sabie River	9	389	0	0	3	3
October 2003	Sabie River	9	390	0	0	4	4
October 2003	Sabie River	9	391	0	1	1	2
October 2003	Sabie River	9	392	0	0	5	5
October 2003	Sabie River	9	393	0	0	1	1
October 2003	Sabie River	9	394	1	0	1	2
October 2003	Sabie River	9	395	0	0	6	6
October 2003	Sabie River	9	396	0	0	4	4
October 2003	Sabie River	9	397	0	0	8	8
October 2003	Sabie River	9	398	0	0	2	2
October 2003	Sabie River	9	399	0	0	3	3
October 2003	Sabie River	9	400	0	0	7	7
October 2003	Sabie River	9	401	0	0	3	3
October 2003	Sabie River	9	402	0	0	4	4

Date	Location	Tree	Fig	Prim. Bycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	13	631	2	0	1	3
October 2003	Sabie River	13	632	1	0	1	2
October 2003	Sabie River	13	633	0	1	1	2
October 2003	Sabie River	13	634	1	1	4	6
October 2003	Sabie River	13	635	1	0	0	1
October 2003	Sabie River	13	636	2	0	0	2
October 2003	Sabie River	13	637	0	3	0	3
October 2003	Sabie River	13	638	1	1	0	2
October 2003	Sabie River	13	639	0	0	4	4
October 2003	Sabie River	13	640	1	1	5	7
October 2003	Sabie River	13	641	2	0	0	2
October 2003	Sabie River	13	642	1	0	4	5
October 2003	Sabie River	13	643	1	0	0	1
October 2003	Sabie River	13	644	1	0	0	1
October 2003	Sabie River	13	645	0	0	2	2
October 2003	Sabie River	13	646	0	0	6	6
October 2003	Sabie River	13	647	1	0	0	1
October 2003	Sabie River	13	648	1	0	0	1
October 2003	Sabie River	13	649	0	0	5	5
October 2003	Sabie River	13	650	1	1	0	2
October 2003	Sabie River	13	651	0	2	1	3
October 2003	Sabie River	14	652	1	0	0	1
October 2003	Sabie River	14	653	1	1	0	2
October 2003	Sabie River	14	654	2	0	0	2
October 2003	Sabie River	14	655	1	0	3	4
October 2003	Sabie River	14	656	0	3	0	3
October 2003	Sabie River	14	657	0	2	0	2
October 2003	Sabie River	14	658	1	0	0	1
October 2003	Sabie River	14	659	0	0	4	4
October 2003	Sabie River	14	660	0	2	1	3
October 2003	Sabie River	14	661	0	0	5	5
October 2003	Sabie River	14	662	0	0	2	2
October 2003	Sabie River	14	663	0	1	0	1
October 2003	Sabie River	14	664	0	1	3	4
October 2003	Sabie River	14	665	1	0	1	2
October 2003	Sabie River	14	666	0	4	0	4
October 2003	Sabie River	14	667	0	1	2	3
October 2003	Sabie River	14	668	1	0	1	2
October 2003	Sabie River	14	669	1	5	0	6
October 2003	Sabie River	14	670	0	4	1	5
October 2003	Sabie River	14	671	0	2	0	2
October 2003	Sabie River	14	672	1	1	0	2
October 2003	Sabie River	14	673	0	2	1	3
October 2003	Sabie River	14	674	0	2	0	2
October 2003	Sabie River	14	675	0	2	1	3
October 2003	Sabie River	14	676	1	1	0	2
October 2003	Sabie River	14	677	0	1	3	4
October 2003	Sabie River	14	678	0	0	1	1
October 2003	Sabie River	14	679	0	6	0	6
October 2003	Sabie River	14	680	2	1	0	3
October 2003	Sabie River	14	681	0	13	0	13
October 2003	Sabie River	14	682	0	1	1	2
October 2003	Sabie River	14	683	0	0	1	1
October 2003	Sabie River	14	684	0	2	4	6
October 2003	Sabie River	14	685	1	0	1	2
October 2003	Sabie River	14	686	0	0	2	2
October 2003	Sabie River	14	687	1	4	0	5
October 2003	Sabie River	14	688	1	3	2	6
October 2003	Sabie River	14	689	0	3	1	4
October 2003	Sabie River	14	690	0	2	0	2
October 2003	Sabie River	14	691	0	2	2	4
October 2003	Sabie River	14	692	0	0	3	3
October 2003	Sabie River	14	693	0	1	0	1
October 2003	Sabie River	14	694	1	0	0	1
October 2003	Sabie River	14	695	0	0	7	7
October 2003	Sabie River	14	696	1	0	2	3
October 2003	Sabie River	14	697	0	1	1	2
October 2003	Sabie River	14	698	0	0	2	2
October 2003	Sabie River	14	699	0	0	4	4
October 2003	Sabie River	14	700	0	0	2	2

Date	Location	Tree	Fig	Prim. Bycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	14	701	0	0	2	2
October 2003	Sabie River	14	702	0	0	2	2
October 2003	Sabie River	14	703	0	0	3	3
October 2003	Sabie River	14	704	0	1	0	1
October 2003	Sabie River	14	705	0	0	2	2
October 2003	Sabie River	14	706	0	0	3	3
October 2003	Sabie River	14	707	0	1	0	1
October 2003	Sabie River	14	708	2	0	4	6
October 2003	Sabie River	14	709	0	0	7	7
October 2003	Sabie River	14	710	0	3	1	4
October 2003	Sabie River	14	711	0	0	2	2
October 2003	Sabie River	14	712	0	0	2	2
October 2003	Sabie River	14	713	0	2	2	4
October 2003	Sabie River	14	714	0	0	5	5
October 2003	Sabie River	14	715	0	2	1	3
October 2003	Sabie River	14	716	0	0	2	2
October 2003	Sabie River	14	717	2	0	4	6
October 2003	Sabie River	14	718	0	2	0	2
October 2003	Sabie River	14	719	0	0	3	3
October 2003	Sabie River	14	720	0	0	3	3
October 2003	Sabie River	14	721	0	0	3	3
October 2003	Sabie River	14	722	0	0	2	2
October 2003	Sabie River	14	723	0	0	1	1
October 2003	Sabie River	14	724	0	2	0	2
October 2003	Sabie River	14	725	0	0	3	3
October 2003	Sabie River	14	726	0	1	1	2
October 2003	Sabie River	15	727	0	1	0	1
October 2003	Sabie River	15	728	0	2	0	2
October 2003	Sabie River	15	729	0	2	0	2
October 2003	Sabie River	15	730	0	0	3	3
October 2003	Sabie River	15	731	0	0	3	3
October 2003	Sabie River	15	732	0	0	2	2
October 2003	Sabie River	15	733	0	0	1	1
October 2003	Sabie River	15	734	0	0	1	1
October 2003	Sabie River	15	735	0	1	0	1
October 2003	Sabie River	15	736	0	2	0	2
October 2003	Sabie River	15	737	0	3	1	4
October 2003	Sabie River	15	738	0	3	0	3
October 2003	Sabie River	15	739	1	0	2	3
October 2003	Sabie River	15	740	0	0	4	4
October 2003	Sabie River	15	741	1	0	0	1
October 2003	Sabie River	15	742	1	4	0	5
October 2003	Sabie River	15	743	0	0	1	1
October 2003	Sabie River	15	744	0	1	0	1
October 2003	Sabie River	15	745	0	1	2	3
October 2003	Sabie River	15	746	0	3	0	3
October 2003	Sabie River	15	747	1	0	1	2
October 2003	Sabie River	15	748	0	0	1	1
October 2003	Sabie River	15	749	0	2	0	2
October 2003	Sabie River	15	750	0	5	0	5
October 2003	Sabie River	15	751	0	2	2	4
October 2003	Sabie River	15	752	0	2	0	2
October 2003	Sabie River	15	753	0	0	1	1
October 2003	Sabie River	15	754	0	0	1	1
October 2003	Sabie River	15	755	0	2	0	2
October 2003	Sabie River	15	756	0	5	0	5
October 2003	Sabie River	15	757	0	0	2	2
October 2003	Sabie River	15	758	0	3	0	3
October 2003	Sabie River	15	759	1	0	0	1
October 2003	Sabie River	15	760	1	0	0	1
October 2003	Sabie River	15	761	0	0	1	1
October 2003	Sabie River	15	762	1	0	0	1
October 2003	Sabie River	15	763	1	2	1	4
October 2003	Sabie River	15	764	0	0	7	7
October 2003	Sabie River	15	765	0	1	0	1
October 2003	Sabie River	15	766	0	4	1	5
October 2003	Sabie River	15	767	0	1	0	1
October 2003	Sabie River	15	768	0	1	0	1
October 2003	Sabie River	15	769	1	0	0	1
October 2003	Sabie River	15	770	0	5	0	5

Date	Location	Tree	Fig	Prim. Bycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	15	771	0	4	0	4
October 2003	Sabie River	15	772	0	3	0	3
October 2003	Sabie River	15	773	0	2	0	2
October 2003	Sabie River	15	774	1	0	0	1
October 2003	Sabie River	15	775	0	7	0	7
October 2003	Sabie River	15	776	1	0	0	1
October 2003	Sabie River	15	777	1	0	0	1
October 2003	Sabie River	16	778	0	1	0	1
October 2003	Sabie River	16	779	1	1	0	2
October 2003	Sabie River	16	780	0	0	1	1
October 2003	Sabie River	16	781	0	0	1	1
October 2003	Sabie River	16	782	0	2	0	2
October 2003	Sabie River	16	783	0	3	0	3
October 2003	Sabie River	16	784	0	1	0	1
October 2003	Sabie River	16	785	0	4	0	4
October 2003	Sabie River	16	786	0	3	1	4
October 2003	Sabie River	16	787	0	2	0	2
October 2003	Sabie River	16	788	0	1	0	1
October 2003	Sabie River	16	789	0	1	0	1
October 2003	Sabie River	16	790	0	1	0	1
October 2003	Sabie River	16	791	0	1	0	1
October 2003	Sabie River	16	792	0	0	1	1
October 2003	Sabie River	16	793	0	0	2	2
October 2003	Sabie River	16	794	0	0	2	2
October 2003	Sabie River	16	795	1	0	0	1
October 2003	Sabie River	16	796	0	0	1	1
October 2003	Sabie River	16	797	0	4	0	4
October 2003	Sabie River	16	798	0	1	1	2
October 2003	Sabie River	16	799	1	0	0	1
October 2003	Sabie River	16	800	0	1	1	2
October 2003	Sabie River	16	801	0	0	2	2
October 2003	Sabie River	16	802	1	0	0	1
October 2003	Sabie River	16	803	0	0	2	2
October 2003	Sabie River	16	804	0	2	0	2
October 2003	Sabie River	16	805	1	0	1	2
October 2003	Sabie River	16	806	0	0	1	1
October 2003	Sabie River	16	807	0	0	1	1
October 2003	Sabie River	16	808	0	1	0	1
October 2003	Sabie River	16	809	0	2	0	2
October 2003	Sabie River	16	810	0	0	3	3
October 2003	Sabie River	16	811	0	0	1	1
October 2003	Sabie River	16	812	0	0	4	4
October 2003	Sabie River	16	813	0	1	1	2
October 2003	Sabie River	16	814	0	0	2	2
October 2003	Sabie River	16	815	0	1	0	1
October 2003	Sabie River	16	816	0	2	0	2
October 2003	Sabie River	16	817	0	0	2	2
October 2003	Sabie River	16	818	0	2	0	2
October 2003	Sabie River	16	819	0	1	0	1
October							

Date	Location	Tree	Fig	Prim. Sycophites			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	19	1051	0	0	5	5
October 2003	Sabie River	19	1052	0	2	11	13
October 2003	Sabie River	19	1053	0	0	1	1
October 2003	Sabie River	19	1054	1	0	0	1
October 2003	Sabie River	19	1055	1	0	0	1
October 2003	Sabie River	19	1056	0	0	4	4
October 2003	Sabie River	19	1057	0	1	7	8
October 2003	Sabie River	19	1058	1	0	0	1
October 2003	Sabie River	19	1059	0	0	5	5
October 2003	Sabie River	19	1060	0	0	5	5
October 2003	Sabie River	19	1061	0	0	1	1
October 2003	Sabie River	19	1062	0	0	3	3
October 2003	Sabie River	19	1063	0	2	2	4
October 2003	Sabie River	19	1064	0	1	0	1
October 2003	Sabie River	19	1065	0	0	5	5
October 2003	Sabie River	19	1066	0	2	2	4
October 2003	Sabie River	19	1067	1	0	0	1
October 2003	Sabie River	19	1068	1	0	10	11
October 2003	Sabie River	19	1069	1	0	10	11
October 2003	Sabie River	19	1070	0	1	0	1
October 2003	Sabie River	19	1071	1	0	0	1
October 2003	Sabie River	19	1072	0	0	1	1
October 2003	Sabie River	19	1073	0	4	0	4
October 2003	Sabie River	19	1074	2	0	0	2
October 2003	Sabie River	19	1075	1	0	3	4
October 2003	Sabie River	19	1076	0	0	5	5
October 2003	Sabie River	19	1077	1	1	0	2
October 2003	Sabie River	19	1078	0	0	3	3
October 2003	Sabie River	19	1079	0	0	2	2
October 2003	Sabie River	19	1080	0	1	0	1
October 2003	Sabie River	19	1081	0	1	3	4
October 2003	Sabie River	19	1082	0	0	2	2
October 2003	Sabie River	19	1083	1	0	0	1
October 2003	Sabie River	19	1084	0	1	4	5
October 2003	Sabie River	19	1085	0	0	3	3
October 2003	Sabie River	19	1086	0	0	2	2
October 2003	Sabie River	19	1087	1	1	1	3
October 2003	Sabie River	19	1088	0	1	1	2
October 2003	Sabie River	19	1089	0	0	1	1
October 2003	Sabie River	20	1090	0	6	0	6
October 2003	Sabie River	20	1091	0	1	0	1
October 2003	Sabie River	20	1092	0	3	0	3
October 2003	Sabie River	20	1093	0	2	0	2
October 2003	Sabie River	20	1094	1	0	0	1
October 2003	Sabie River	20	1095	0	5	0	5
October 2003	Sabie River	20	1096	0	5	0	5
October 2003	Sabie River	20	1097	0	1	0	1
October 2003	Sabie River	20	1098	0	6	0	6
October 2003	Sabie River	20	1099	0	6	0	6
October 2003	Sabie River	20	1100	0	5	0	5
October 2003	Sabie River	20	1101	0	3	0	3
October 2003	Sabie River	20	1102	0	5	0	5
October 2003	Sabie River	20	1103	0	7	0	7
October 2003	Sabie River	20	1104	0	2	0	2
October 2003	Sabie River	20	1105	0	1	0	1
October 2003	Sabie River	20	1106	0	1	0	1
October 2003	Sabie River	20	1107	0	4	0	4
October 2003	Sabie River	20	1108	0	5	0	5
October 2003	Sabie River	20	1109	0	3	0	3
October 2003	Sabie River	20	1110	0	3	0	3
October 2003	Sabie River	20	1111	0	0	1	1
October 2003	Sabie River	20	1112	0	1	0	1
October 2003	Sabie River	20	1113	0	1	0	1
October 2003	Sabie River	20	1114	0	3	0	3
October 2003	Sabie River	20	1115	0	1	0	1
October 2003	Sabie River	20	1116	0	2	0	2
October 2003	Sabie River	20	1117	0	4	0	4
October 2003	Sabie River	20	1118	0	2	0	2
October 2003	Sabie River	20	1119	0	2	0	2
October 2003	Sabie River	20	1120	0	4	0	4

Date	Location	Tree	Fig	Prim. Sycophites			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	20	1121	1	0	0	1
October 2003	Sabie River	20	1122	0	5	0	5
October 2003	Sabie River	20	1123	0	4	0	4
October 2003	Sabie River	20	1124	0	5	0	5
October 2003	Sabie River	20	1125	0	5	1	6
October 2003	Sabie River	20	1126	0	1	0	1
October 2003	Sabie River	20	1127	0	1	0	1
October 2003	Sabie River	20	1128	0	3	0	3
October 2003	Sabie River	20	1129	0	3	0	3
October 2003	Sabie River	20	1130	0	8	0	8
October 2003	Sabie River	20	1131	0	2	0	2
October 2003	Sabie River	20	1132	0	4	0	4
October 2003	Sabie River	20	1133	0	3	0	3
October 2003	Sabie River	20	1134	0	3	0	3
October 2003	Sabie River	20	1135	0	3	0	3
October 2003	Sabie River	20	1136	0	2	0	2
October 2003	Sabie River	20	1137	0	2	0	2
October 2003	Sabie River	20	1138	0	2	0	2
October 2003	Sabie River	20	1139	0	3	0	3
October 2003	Sabie River	20	1140	0	7	0	7
October 2003	Sabie River	20	1141	1	0	0	1
October 2003	Sabie River	20	1142	0	2	0	2
October 2003	Sabie River	20	1143	0	2	0	2
October 2003	Sabie River	20	1144	0	3	0	3
October 2003	Sabie River	20	1145	0	6	0	6
October 2003	Sabie River	20	1146	0	1	0	1
October 2003	Sabie River	20	1147	0	1	0	1
October 2003	Sabie River	20	1148	0	2	0	2
October 2003	Sabie River	20	1149	0	1	0	1
October 2003	Sabie River	20	1150	0	2	0	2
October 2003	Sabie River	20	1151	0	1	0	1
October 2003	Sabie River	20	1152	0	1	0	1
October 2003	Sabie River	20	1153	0	4	0	4
October 2003	Sabie River	20	1154	0	1	0	1
October 2003	Sabie River	20	1155	0	1	0	1
October 2003	Sabie River	20	1156	0	3	0	3
October 2003	Sabie River	20	1157	0	3	0	3
October 2003	Sabie River	20	1158	0	5	1	6
October 2003	Sabie River	20	1159	0	4	0	4
October 2003	Sabie River	20	1160	0	1	0	1
October 2003	Sabie River	20	1161	0	1	0	1
October 2003	Sabie River	20	1162	0	9	0	9
October 2003	Sabie River	20	1163	1	0	0	1
October 2003	Sabie River	20	1164	0	2	0	2
October 2003	Sabie River	21	1165	1	0	0	1
October 2003	Sabie River	21	1166	0	1	0	1
October 2003	Sabie River	21	1167	2	0	0	2
October 2003	Sabie River	21	1168	1	2	0	3
October 2003	Sabie River	21	1169	0	2	0	2
October 2003	Sabie River	21	1170	0	0	2	2
October 2003	Sabie River	21	1171	0	2	0	2
October 2003	Sabie River	21	1172	0	3	0	3
October 2003	Sabie River	21	1173	0	1	0	1
October 2003	Sabie River	21	1174	0	3	0	3
October 2003	Sabie River	21	1175	0	3	0	3
October 2003	Sabie River	21	1176	0	3	1	4
October 2003	Sabie River	21	1177	1	0	0	1
October 2003	Sabie River	21	1178	0	4	2	6
October 2003	Sabie River	21	1179	0	1	0	1
October 2003	Sabie River	21	1180	0	5	0	5
October 2003	Sabie River	21	1181	2	0	1	3
October 2003	Sabie River	21	1182	0	2	0	2
October 2003	Sabie River	21	1183	0	1	0	1
October 2003	Sabie River	21	1184	1	0	1	2
October 2003	Sabie River	21	1185	0	4	0	4
October 2003	Sabie River	21	1186	0	2	0	2
October 2003	Sabie River	21	1187	0	4	0	4
October 2003	Sabie River	21	1188	0	1	4	5
October 2003	Sabie River	21	1189	0	4	1	5
October 2003	Sabie River	21	1190	0	4	4	8

Date	Location	Tree	Fig	Prim. Sycophites			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	21	1191	0	4	2	6
October 2003	Sabie River	21	1192	0	2	0	2
October 2003	Sabie River	21	1193	0	3	0	3
October 2003	Sabie River	21	1194	0	2	1	3
October 2003	Sabie River	21	1195	0	1	2	3
October 2003	Sabie River	21	1196	0	2	0	2
October 2003	Sabie River	21	1197	0	2	0	2
October 2003	Sabie River	21	1198	1	0	0	1
October 2003	Sabie River	21	1199	0	2	0	2
October 2003	Sabie River	21	1200	0	2	0	2
October 2003	Sabie River	21	1201	0	1	0	1
October 2003	Sabie River	21	1202	0	3	0	3
October 2003	Sabie River	21	1203	1	1	0	2
October 2003	Sabie River	21	1204	0	0	1	1
October 2003	Sabie River	21	1205	1	0	0	1
October 2003	Sabie River	21	1206	0	1	1	2
October 2003	Sabie River	21	1207	0	2	0	2
October 2003	Sabie River	21	1208	0	1	0	1
October 2003	Sabie River	21	1209	1	0	1	2
October 2003	Sabie River	21	1210	0	2	3	5
October 2003	Sabie River	21	1211	0	1	7	8
October 2003	Sabie River	21	1212	0	0	3	3
October 2003	Sabie River	21	1213	0	0	1	1
October 2003	Sabie River	21	1214	0	1	0	1
October 2003	Sabie River	21	1215	0	0	1	1
October 2003	Sabie River	21	1216	0	1	1	2
October 2003	Sabie River	21	1217	0	1	0	1
October 2003	Sabie River	21	1218	0	1	1	2
October 2003	Sabie River	21	1219	0	0	1	1
October 2003	Sabie River	21	1220	0	6	0	6
October 2003	Sabie River	21	1221	0	1	1	2
October 2003	Sabie River	21	1222	0	3	0	3
October 2003	Sabie River	21	1223	0	3	0	3
October 2003	Sabie River	21	1224	1	0	0	1
October 2003	Sabie River	21	1225	1	0	0	1
October 2003	Sabie River	21	1226	0	1	1	2
October 2003	Sabie River	21	1227	0	2	0	2
October 2003	Sabie River	21	1228	0	2	0	2
October 2003	Sabie River	21	1229	1	0	0	1
October 2003	Sabie River	21	1230	1	2	0	3
October 2003	Sabie River	21	1231	0	6	0	6
October 2003	Sabie River	21	1232	0	0	2	2
October 2003	Sabie River	21	1233	0	1	0	1
October 2003	Sabie River	21	1234	0	2	1	3
October 2003	Sabie River	21	1235	0	6	13	19
October 2003	Sabie River	21	1236	0	2	0	2
October							

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	21	1261	0	3	0	3
October 2003	Sabie River	21	1262	0	2	0	2
October 2003	Sabie River	21	1263	0	3	0	3
October 2003	Sabie River	21	1264	0	6	0	6
October 2003	Sabie River	21	1265	0	0	1	1
October 2003	Sabie River	21	1266	1	0	0	1
October 2003	Sabie River	21	1267	0	0	1	1
October 2003	Sabie River	21	1268	0	0	1	1
October 2003	Sabie River	21	1269	0	1	1	2
October 2003	Sabie River	21	1270	0	3	2	5
October 2003	Sabie River	21	1271	0	2	1	3
October 2003	Sabie River	21	1272	0	1	0	1
October 2003	Sabie River	21	1273	2	4	0	6
October 2003	Sabie River	21	1274	0	2	0	2
October 2003	Sabie River	21	1275	0	3	0	3
October 2003	Sabie River	21	1276	0	1	1	2
October 2003	Sabie River	21	1277	0	1	4	5
October 2003	Sabie River	22	1278	0	0	1	1
October 2003	Sabie River	22	1279	0	0	1	1
October 2003	Sabie River	22	1280	0	0	3	3
October 2003	Sabie River	22	1281	0	1	0	1
October 2003	Sabie River	22	1282	0	2	2	4
October 2003	Sabie River	22	1283	0	1	1	2
October 2003	Sabie River	22	1284	0	3	0	3
October 2003	Sabie River	22	1285	0	0	2	2
October 2003	Sabie River	22	1286	0	6	0	6
October 2003	Sabie River	22	1287	0	2	0	2
October 2003	Sabie River	22	1288	0	0	4	4
October 2003	Sabie River	22	1289	0	0	2	2
October 2003	Sabie River	22	1290	0	0	1	1
October 2003	Sabie River	22	1291	1	0	2	3
October 2003	Sabie River	22	1292	0	2	2	4
October 2003	Sabie River	22	1293	0	1	0	1
October 2003	Sabie River	22	1294	0	1	0	1
October 2003	Sabie River	22	1295	0	0	1	1
October 2003	Sabie River	22	1296	0	6	0	6
October 2003	Sabie River	22	1297	0	2	0	2
October 2003	Sabie River	22	1298	1	0	0	1
October 2003	Sabie River	22	1299	0	9	0	9
October 2003	Sabie River	22	1300	0	3	0	3
October 2003	Sabie River	22	1301	1	0	0	1
October 2003	Sabie River	22	1302	0	3	1	4
October 2003	Sabie River	22	1303	0	1	0	1
October 2003	Sabie River	22	1304	1	0	0	1
October 2003	Sabie River	22	1305	0	4	0	4
October 2003	Sabie River	22	1306	0	5	1	6
October 2003	Sabie River	22	1307	0	0	2	2
October 2003	Sabie River	22	1308	0	0	6	6
October 2003	Sabie River	22	1309	0	3	0	3
October 2003	Sabie River	22	1310	0	10	0	10
October 2003	Sabie River	22	1311	2	0	0	2
October 2003	Sabie River	22	1312	0	11	0	11
October 2003	Sabie River	22	1313	0	11	0	11
October 2003	Sabie River	22	1314	0	14	0	14
October 2003	Sabie River	22	1315	0	4	1	5
October 2003	Sabie River	22	1316	0	1	1	2
October 2003	Sabie River	22	1317	0	6	0	6
October 2003	Sabie River	22	1318	0	1	0	1
October 2003	Sabie River	22	1319	0	1	0	1
October 2003	Sabie River	22	1320	0	0	1	1
October 2003	Sabie River	22	1321	0	0	1	1
October 2003	Sabie River	22	1322	0	13	2	15
October 2003	Sabie River	22	1323	0	0	1	1
October 2003	Sabie River	22	1324	0	6	3	9
October 2003	Sabie River	22	1325	0	0	2	2
October 2003	Sabie River	22	1326	1	0	0	1
October 2003	Sabie River	22	1327	1	0	0	1
October 2003	Sabie River	22	1328	0	5	0	5
October 2003	Sabie River	22	1329	0	1	2	3
October 2003	Sabie River	22	1330	0	3	0	3

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	22	1331	0	0	1	1
October 2003	Sabie River	22	1332	0	5	0	5
October 2003	Sabie River	22	1333	0	1	0	1
October 2003	Sabie River	22	1334	0	3	0	3
October 2003	Sabie River	22	1335	0	1	0	1
October 2003	Sabie River	22	1336	0	3	0	3
October 2003	Sabie River	22	1337	0	0	3	3
October 2003	Sabie River	22	1338	0	0	5	5
October 2003	Sabie River	22	1339	0	4	0	4
October 2003	Sabie River	22	1340	0	2	1	3
October 2003	Sabie River	22	1341	0	2	1	3
October 2003	Sabie River	22	1342	0	1	1	2
October 2003	Sabie River	22	1343	0	1	4	5
October 2003	Sabie River	22	1344	0	1	0	1
October 2003	Sabie River	22	1345	0	3	0	3
October 2003	Sabie River	22	1346	1	0	0	1
October 2003	Sabie River	22	1347	0	0	1	1
October 2003	Sabie River	22	1348	0	0	4	4
October 2003	Sabie River	22	1349	1	0	0	1
October 2003	Sabie River	22	1350	0	2	0	2
October 2003	Sabie River	22	1351	0	7	0	7
October 2003	Sabie River	22	1352	0	2	1	3
October 2003	Sabie River	22	1353	0	3	0	3
October 2003	Sabie River	22	1354	0	2	0	2
October 2003	Sabie River	22	1355	0	2	0	2
October 2003	Sabie River	22	1356	1	0	0	1
October 2003	Sabie River	22	1357	0	2	1	3
October 2003	Sabie River	22	1358	0	9	0	9
October 2003	Sabie River	22	1359	0	4	0	4
October 2003	Sabie River	22	1360	0	6	0	6
October 2003	Sabie River	22	1361	0	1	0	1
October 2003	Sabie River	22	1362	0	1	0	1
October 2003	Sabie River	22	1363	0	3	0	3
October 2003	Sabie River	22	1364	0	7	1	8
October 2003	Sabie River	22	1365	0	4	0	4
October 2003	Sabie River	22	1366	0	7	0	7
October 2003	Sabie River	22	1367	0	4	0	4
October 2003	Sabie River	22	1368	1	0	0	1
October 2003	Sabie River	22	1369	1	0	0	1
October 2003	Sabie River	22	1370	0	3	0	3
October 2003	Sabie River	22	1371	0	10	0	10
October 2003	Sabie River	22	1372	0	2	0	2
October 2003	Sabie River	22	1373	0	2	0	2
October 2003	Sabie River	22	1374	0	0	2	2
October 2003	Sabie River	22	1375	0	3	0	3
October 2003	Sabie River	22	1376	0	6	0	6
October 2003	Sabie River	22	1377	0	7	1	8
October 2003	Sabie River	22	1378	0	4	0	4
October 2003	Sabie River	22	1379	0	2	0	2
October 2003	Sabie River	22	1380	1	4	1	6
October 2003	Sabie River	22	1381	0	5	1	6
October 2003	Sabie River	22	1382	0	3	0	3
October 2003	Sabie River	22	1383	0	0	3	3
October 2003	Sabie River	22	1384	0	4	0	4
October 2003	Sabie River	22	1385	0	1	1	2
October 2003	Sabie River	22	1386	0	2	0	2
October 2003	Sabie River	22	1387	0	2	0	2
October 2003	Sabie River	22	1388	0	8	0	8
October 2003	Sabie River	22	1389	0	8	0	8
October 2003	Sabie River	22	1390	0	2	1	3
October 2003	Sabie River	22	1391	0	5	0	5
October 2003	Sabie River	22	1392	0	6	1	7
October 2003	Sabie River	22	1393	0	0	2	2
October 2003	Sabie River	22	1394	0	12	0	12
October 2003	Sabie River	22	1395	0	7	1	8
October 2003	Sabie River	22	1396	0	6	0	6
October 2003	Sabie River	22	1397	0	0	4	4
October 2003	Sabie River	22	1398	0	0	1	1
October 2003	Sabie River	22	1399	0	6	0	6
October 2003	Sabie River	22	1400	1	0	0	1

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	22	1401	0	1	0	1
October 2003	Sabie River	22	1402	1	0	0	1
October 2003	Sabie River	22	1403	0	4	0	4
October 2003	Sabie River	22	1404	0	1	0	1
October 2003	Sabie River	22	1405	0	1	5	6
October 2003	Sabie River	22	1406	0	5	1	6
October 2003	Sabie River	22	1407	0	0	2	2
October 2003	Sabie River	22	1408	0	0	1	1
October 2003	Sabie River	22	1409	0	1	1	2
October 2003	Sabie River	22	1410	0	8	0	8
October 2003	Sabie River	22	1411	0	1	2	3
October 2003	Sabie River	22	1412	0	2	1	3
October 2003	Sabie River	22	1413	1	0	0	1
October 2003	Sabie River	22	1414	0	0	2	2
October 2003	Sabie River	22	1415	0	0	3	3
October 2003	Sabie River	22	1416	0	1	2	3
October 2003	Sabie River	22	1417	0	2	1	3
October 2003	Sabie River	22	1418	0	1	1	2
October 2003	Sabie River	22	1419	0	1	2	3
October 2003	Sabie River	22	1420	0	0	2	2
October 2003	Sabie River	22	1421	0	1	3	4
October 2003	Sabie River	22	1422	0	4	0	4
October 2003	Sabie River	22	1423	0	2	0	2
October 2003	Sabie River	22	1424	1	1	0	2
October 2003	Sabie River	22	1425	0	2	0	2
October 2003	Sabie River	22	1426	0	0	2	2
October 2003	Sabie River	22	1427	0	1	1	2
October 2003	Sabie River	22	1428	0	1	2	3
October 2003	Sabie River	22	1429	0	0	1	1
October 2003	Sabie River	22	1430	0	5	0	5
October 2003	Sabie River	22	1431	0	0	1	1
October 2003	Sabie River	22	1432	0	0	1	1
October 2003	Sabie River	22	1433	0	0	3	3
October 2003	Sabie River	22	1434	0	0	2	2
October 2003	Sabie River	22	1435	0	0	2	2
October 2003	Sabie River	22	1436	0	1	0	1
October 2003	Sabie River	22	1437	0	1	0	1
October 2003	Sabie River	22	1438	0	0	1	1
October 2003	Sabie River	22	1439	0	4	0	4
October 2003	Sabie River	22	1440	0	3	2	5
October 2003	Sabie River	22	1441	0	3	1	4
October 2003	Sabie River	22	1442	0	0	2	2
October 2003	Sabie River	22	1443	0	2	1	3
October 2003	Sabie River	22	1444	0	0	1	1
October 2003	Sabie River	22	1445	0	1	2	3
October 2003	Sabie River	22	1446	0	0	1	1

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	22	1471	0	1	4	5
October 2003	Sabie River	22	1472	0	3	0	3
October 2003	Sabie River	22	1473	0	1	1	2
October 2003	Sabie River	22	1474	0	9	0	9
October 2003	Sabie River	22	1475	1	0	0	1
October 2003	Sabie River	22	1476	0	1	0	1
October 2003	Sabie River	22	1477	1	0	0	1
October 2003	Sabie River	22	1478	0	1	0	1
October 2003	Sabie River	22	1479	1	0	0	1
October 2003	Sabie River	22	1480	0	2	2	4
October 2003	Sabie River	22	1481	0	1	6	7
October 2003	Sabie River	22	1482	0	6	1	7
October 2003	Sabie River	22	1483	0	1	0	1
October 2003	Sabie River	22	1484	0	9	0	9
October 2003	Sabie River	22	1485	0	5	2	7
October 2003	Sabie River	22	1486	0	3	0	3
October 2003	Sabie River	22	1487	0	6	0	6
October 2003	Sabie River	22	1488	0	5	0	5
October 2003	Sabie River	22	1489	0	3	3	6
October 2003	Sabie River	22	1490	1	2	0	3
October 2003	Sabie River	22	1491	0	4	0	4
October 2003	Sabie River	22	1492	0	12	0	12
October 2003	Sabie River	22	1493	0	0	2	2
October 2003	Sabie River	22	1494	0	7	0	7
October 2003	Sabie River	22	1495	0	5	0	5
October 2003	Sabie River	22	1496	0	0	1	1
October 2003	Sabie River	22	1497	0	6	0	6
October 2003	Sabie River	22	1498	0	2	0	2
October 2003	Sabie River	22	1499	0	1	0	1
October 2003	Sabie River	22	1500	0	0	3	3
October 2003	Sabie River	22	1501	0	0	4	4
October 2003	Sabie River	22	1502	0	0	2	2
October 2003	Sabie River	22	1503	0	0	3	3
October 2003	Sabie River	22	1504	0	3	0	3
October 2003	Sabie River	22	1505	0	0	7	7
October 2003	Sabie River	22	1506	0	2	1	3
October 2003	Sabie River	22	1507	0	5	0	5
October 2003	Sabie River	22	1508	0	2	2	4
October 2003	Sabie River	22	1509	0	0	3	3
October 2003	Sabie River	22	1510	0	2	0	2
October 2003	Sabie River	23	1511	9	0	0	9
October 2003	Sabie River	23	1512	0	22	1	23
October 2003	Sabie River	23	1513	2	0	0	2
October 2003	Sabie River	23	1514	0	8	0	8
October 2003	Sabie River	23	1515	1	5	0	6
October 2003	Sabie River	23	1516	0	6	0	6
October 2003	Sabie River	23	1517	3	1	0	4
October 2003	Sabie River	23	1518	5	0	0	5
October 2003	Sabie River	23	1519	8	0	0	8
October 2003	Sabie River	23	1520	0	17	1	18
October 2003	Sabie River	23	1521	2	1	1	4
October 2003	Sabie River	23	1522	6	0	0	6
October 2003	Sabie River	23	1523	1	7	1	9
October 2003	Sabie River	23	1524	6	0	0	6
October 2003	Sabie River	23	1525	4	8	1	13
October 2003	Sabie River	23	1526	14	0	0	14
October 2003	Sabie River	23	1527	3	1	0	4
October 2003	Sabie River	23	1528	0	6	2	8
October 2003	Sabie River	23	1529	1	0	0	1
October 2003	Sabie River	23	1530	2	2	5	9
October 2003	Sabie River	23	1531	6	0	0	6
October 2003	Sabie River	23	1532	3	0	0	3
October 2003	Sabie River	23	1533	0	13	4	17
October 2003	Sabie River	23	1534	1	0	0	1
October 2003	Sabie River	23	1535	2	0	0	2
October 2003	Sabie River	23	1536	5	0	0	5
October 2003	Sabie River	23	1537	3	0	0	3
October 2003	Sabie River	23	1538	9	0	0	9
October 2003	Sabie River	23	1539	6	0	0	6
October 2003	Sabie River	23	1540	9	0	0	9

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	24	1541	1	0	0	1
October 2003	Sabie River	25	1542	1	2	1	4
October 2003	Sabie River	25	1543	0	1	0	1
October 2003	Sabie River	25	1544	2	0	0	2
October 2003	Sabie River	25	1545	1	2	0	3
October 2003	Sabie River	25	1546	3	0	0	3
October 2003	Sabie River	25	1547	0	1	1	2
October 2003	Sabie River	26	1548	0	0	13	13
October 2003	Sabie River	26	1549	0	7	6	13
October 2003	Sabie River	26	1550	0	4	7	11
October 2003	Sabie River	26	1551	0	1	0	1
October 2003	Sabie River	26	1552	0	9	6	17
October 2003	Sabie River	26	1553	0	6	0	6
October 2003	Sabie River	26	1554	0	1	0	1
October 2003	Sabie River	26	1555	0	3	3	6
October 2003	Sabie River	26	1556	0	1	0	1
October 2003	Sabie River	26	1557	1	3	0	4
October 2003	Sabie River	26	1558	0	3	12	15
October 2003	Sabie River	26	1559	0	6	10	16
October 2003	Sabie River	26	1560	0	0	6	6
October 2003	Sabie River	26	1561	0	0	2	2
October 2003	Sabie River	26	1562	0	2	3	5
October 2003	Sabie River	26	1563	0	5	1	6
October 2003	Sabie River	26	1564	0	1	3	4
October 2003	Sabie River	26	1565	0	0	5	5
October 2003	Sabie River	26	1566	0	0	3	3
October 2003	Sabie River	26	1567	0	6	0	6
October 2003	Sabie River	26	1568	0	0	4	4
October 2003	Sabie River	26	1569	0	0	3	3
October 2003	Sabie River	26	1570	0	1	6	7
October 2003	Sabie River	26	1571	0	0	4	4
October 2003	Sabie River	26	1572	1	0	0	1
October 2003	Sabie River	26	1573	0	0	5	5
October 2003	Sabie River	26	1574	0	4	1	5
October 2003	Sabie River	26	1575	0	2	2	4
October 2003	Sabie River	26	1576	0	0	2	2
October 2003	Sabie River	26	1577	0	0	5	5
October 2003	Sabie River	26	1578	0	1	0	1
October 2003	Sabie River	26	1579	1	0	0	1
October 2003	Sabie River	26	1580	0	2	3	5
October 2003	Sabie River	26	1581	0	2	1	3
October 2003	Sabie River	26	1582	0	3	0	3
October 2003	Sabie River	26	1583	0	3	0	3
October 2003	Sabie River	26	1584	0	2	0	2
October 2003	Sabie River	26	1585	0	2	0	2
October 2003	Sabie River	26	1586	0	4	0	4
October 2003	Sabie River	26	1587	0	2	0	2
October 2003	Sabie River	26	1588	0	0	6	6
October 2003	Sabie River	26	1589	0	0	5	5
October 2003	Sabie River	26	1590	0	0	2	2
October 2003	Sabie River	26	1591	0	10	0	10
October 2003	Sabie River	26	1592	0	4	0	4
October 2003	Sabie River	26	1593	0	3	7	10
October 2003	Sabie River	26	1594	0	1	1	2
October 2003	Sabie River	26	1595	0	1	4	5
October 2003	Sabie River	26	1596	0	2	0	2
October 2003	Sabie River	26	1597	1	0	0	1
October 2003	Sabie River	26	1598	0	5	0	5
October 2003	Sabie River	26	1599	0	2	5	7
October 2003	Sabie River	26	1600	0	1	2	3
October 2003	Sabie River	26	1601	0	2	5	7
October 2003	Sabie River	26	1602	0	6	5	11
October 2003	Sabie River	26	1603	0	2	0	2
October 2003	Sabie River	26	1604	0	3	13	16
October 2003	Sabie River	26	1605	0	4	5	9
October 2003	Sabie River	26	1606	0	6	0	6
October 2003	Sabie River	26	1607	0	2	0	2
October 2003	Sabie River	26	1608	0	4	4	8
October 2003	Sabie River	26	1609	0	5	0	5
October 2003	Sabie River	26	1610	0	2	3	5

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Sabie River	26	1611	0	4	3	7
October 2003	Sabie River	26	1612	0	6	4	10
October 2003	Sabie River	26	1613	1	1	0	2
October 2003	Sabie River	26	1614	0	4	5	9
October 2003	Sabie River	26	1615	0	0	4	4
October 2003	Sabie River	26	1616	0	6	0	6
October 2003	Sabie River	26	1617	0	2	2	4
October 2003	Sabie River	26	1618	0	2	2	4
October 2003	Sabie River	26	1619	0	3	0	3
October 2003	Sabie River	26	1620	0	4	0	4
October 2003	Sabie River	26	1621	0	0	3	3
October 2003	Sabie River	26	1622	0	0	2	2
October 2003	Sabie River	26	1623	0	8	0	8
October 2003	Sabie River	26	1624	0	3	7	10
October 2003	Sabie River	26	1625	0	1	1	2
October 2003	Sabie River	26	1626	0	0	7	7
October 2003	Sabie River	26	1627	0	0	2	2
October 2003	Sabie River	26	1628	0	4	1	5
October 2003	Sabie River	26	1629	0	1	0	1
October 2003	Sabie River	26	1630	0	3	0	3
October 2003	Sabie River	26	1631	0	0	7	7
October 2003	Sabie River	26	1632	0	1	6	7
October 2003	Sabie River	26	1633	1	6	3	10
October 2003	Sabie River	26	1634	0	0	7	7
October 2003	Sabie River	26	1635	0	0	4	4
October 2003	Sabie River	26	1636	0	0	5	5
October 2003	Sabie River	26	1637	0	0	3	3
October 2003	Sabie River	26	1638	0	2	10	12
October 2003	Sabie River	26	1639	0	0	3	3
October 2003	Sabie River	26	1640	0	1	11	12
October 2003	Sabie River	26	1641	0	0	9	9
October 2003	Sabie River	26	1642	0	0	11	11
October 2003	Sabie River	26	1643	0	0	5	5
October 2003	Sabie River	26	1644	0	0	6	6
October 2003	Sabie River	26	1645	0	1	3	4
October 2003	Sabie River	26	1646	0	3	2	5
October 2003	Sabie River	26	1647	0	2	3	5
October 2003	Sabie River	26	1648	0	0	2	2
October 2003	Sabie River	26	1649	1	0	0	1
October 2003	Sabie River	26	1650	0	0	6	6
October 2003	Sabie River	26	1651	0	4	0	4
October 2003	Sabie River	26	1652	0	1	0	1
October 2003	Sabie River	26	1653	0	1	1	2
October 2003	Sabie River	26	1654	0	5	4	9
October 2003	Sabie River	26	1655	0	1	3	4
October 2003	Sabie River	26	1656	0			

Date	Location	Tree	Flg	Prim. Sycophites			Total No.
				CA	CG	SS	
October 2003	Sabie River	26	1661	0	5	0	5
October 2003	Sabie River	26	1662	0	10	5	15
October 2003	Sabie River	26	1663	0	7	4	11
October 2003	Sabie River	26	1664	0	5	14	19
October 2003	Sabie River	26	1665	0	9	7	16
October 2003	Sabie River	26	1666	0	9	0	9
October 2003	Sabie River	26	1667	0	1	9	10
October 2003	Sabie River	26	1668	0	1	8	9
October 2003	Sabie River	26	1669	0	5	9	14
October 2003	Sabie River	26	1690	0	4	0	4
October 2003	Sabie River	26	1691	0	3	0	3
October 2003	Sabie River	26	1692	0	0	4	4
October 2003	Sabie River	26	1693	0	1	0	1
October 2003	Sabie River	26	1694	0	5	0	5
October 2003	Sabie River	26	1695	1	0	0	1
October 2003	Sabie River	26	1696	0	3	1	4
October 2003	Sabie River	26	1697	0	1	2	3
October 2003	Sabie River	26	1698	0	0	1	1
October 2003	Sabie River	26	1699	0	4	0	4
October 2003	Sabie River	26	1700	0	3	0	3
October 2003	Sabie River	26	1701	0	5	1	6
October 2003	Sabie River	26	1702	0	5	3	8
October 2003	Sabie River	26	1703	0	2	12	14
October 2003	Sabie River	26	1704	0	0	6	6
October 2003	Sabie River	26	1705	0	0	4	4
October 2003	Sabie River	26	1706	1	1	0	2
October 2003	Sabie River	26	1707	0	4	0	4
October 2003	Sabie River	26	1708	0	0	1	1
October 2003	Sabie River	26	1709	0	5	0	5
October 2003	Sabie River	26	1710	0	5	0	5
October 2003	Sabie River	26	1711	0	6	4	10
October 2003	Sabie River	26	1712	0	6	0	6
October 2003	Sabie River	26	1713	0	1	4	5
October 2003	Sabie River	26	1714	0	1	4	5
October 2003	Sabie River	26	1715	0	0	3	3
October 2003	Sabie River	26	1716	0	1	3	4
October 2003	Sabie River	26	1717	0	0	2	2
October 2003	Sabie River	26	1718	0	10	5	15
October 2003	Sabie River	26	1719	0	4	0	4
October 2003	Sabie River	26	1720	0	4	5	9
October 2003	Sabie River	26	1721	0	4	4	8
October 2003	Sabie River	26	1722	0	1	1	2
October 2003	Sabie River	26	1723	0	6	0	6
October 2003	Sabie River	26	1724	0	1	8	9
October 2003	Sabie River	26	1725	0	1	16	17
October 2003	Sabie River	26	1726	0	1	1	2
October 2003	Sabie River	26	1727	0	0	1	1
October 2003	Sabie River	26	1728	0	0	1	1
October 2003	Sabie River	26	1729	0	4	0	4
October 2003	Sabie River	26	1730	0	5	1	6
October 2003	Sabie River	26	1731	0	4	2	6
October 2003	Sabie River	26	1732	0	0	3	3
October 2003	Sabie River	26	1733	0	1	1	2
October 2003	Sabie River	26	1734	0	0	3	3
October 2003	Sabie River	26	1736	0	2	0	2
October 2003	Sabie River	26	1736	0	1	0	1
October 2003	Sabie River	26	1737	0	0	6	6
October 2003	Sabie River	26	1736	0	1	1	2
October 2003	Sabie River	26	1739	0	0	1	1
October 2003	Sabie River	26	1740	0	2	0	2
October 2003	Sabie River	26	1741	0	0	2	2
October 2003	Sabie River	26	1742	0	0	6	6
October 2003	Sabie River	26	1743	0	1	1	2
October 2003	Sabie River	26	1744	0	2	0	2
October 2003	Sabie River	26	1745	0	0	2	2
October 2003	Sabie River	26	1746	0	5	0	5
October 2003	Sabie River	26	1747	0	1	0	1
October 2003	Sabie River	26	1748	0	0	4	4
October 2003	Sabie River	26	1749	0	0	2	2
October 2003	Sabie River	26	1750	0	1	7	8

Date	Location	Tree	Flg	Prim. Sycophites			Total No.
				CA	CG	SS	
October 2003	Sabie River	26	1751	0	5	2	7
October 2003	Sabie River	26	1752	0	3	1	4
October 2003	Sabie River	26	1753	0	1	0	1
October 2003	Sabie River	26	1754	0	0	2	2
October 2003	Sabie River	26	1755	0	0	1	1
October 2003	Sabie River	26	1756	0	1	0	1
October 2003	Sabie River	27	1757	1	0	0	1
October 2003	Sabie River	27	1758	0	0	3	3
October 2003	Sabie River	27	1759	0	1	0	1
October 2003	Sabie River	27	1760	1	0	0	1
October 2003	Sabie River	27	1761	1	0	0	1
October 2003	Sabie River	27	1762	2	0	0	2
October 2003	Sabie River	27	1763	1	0	0	1
October 2003	Sabie River	27	1764	1	2	0	3
October 2003	Sabie River	27	1765	1	0	0	1
October 2003	Sabie River	27	1766	0	0	2	2
October 2003	Sabie River	27	1767	0	0	2	2
October 2003	Sabie River	27	1768	0	1	2	3
October 2003	Sabie River	27	1769	0	1	1	2
October 2003	Sabie River	27	1770	1	0	1	2
October 2003	Sabie River	27	1771	0	1	0	1
October 2003	Sabie River	27	1772	0	0	5	5
October 2003	Sabie River	27	1773	1	0	0	1
October 2003	Sabie River	27	1774	0	0	2	2
October 2003	Sabie River	27	1775	0	0	3	3
October 2003	Sabie River	27	1776	0	1	0	1
October 2003	Sabie River	27	1777	1	0	0	1
October 2003	Sabie River	27	1778	0	1	0	1
October 2003	Sabie River	27	1779	0	0	1	1
October 2003	Sabie River	27	1780	0	0	2	2
October 2003	Sabie River	27	1781	3	0	0	3
October 2003	Sabie River	27	1782	1	0	0	1
October 2003	Sabie River	27	1783	0	0	1	1
October 2003	Sabie River	27	1784	0	0	6	6
October 2003	Sabie River	27	1785	0	0	4	4
October 2003	Sabie River	27	1786	0	1	1	2
October 2003	Sabie River	27	1787	1	0	0	1
October 2003	Sabie River	27	1788	0	0	1	1
October 2003	Sabie River	27	1789	0	0	3	3
October 2003	Sabie River	27	1790	1	0	0	1
October 2003	Sabie River	27	1791	0	0	1	1
October 2003	Sabie River	27	1792	0	0	2	2
October 2003	Sabie River	27	1793	0	1	2	3
October 2003	Sabie River	27	1794	0	0	2	2
October 2003	Sabie River	27	1795	1	1	0	2
October 2003	Sabie River	27	1796	1	1	0	2
October 2003	Sabie River	27	1797	0	0	3	3
October 2003	Sabie River	27	1798	0	0	1	1
October 2003	Sabie River	27	1799	0	0	1	1
October 2003	Sabie River	27	1800	0	0	1	1
October 2003	Sabie River	27	1801	0	0	2	2
October 2003	Sabie River	27	1802	0	0	5	5
October 2003	Sabie River	27	1803	0	0	1	1
October 2003	Sabie River	27	1804	0	0	2	2
October 2003	Sabie River	27	1805	0	0	3	3
October 2003	Sabie River	27	1806	1	0	1	2
October 2003	Sabie River	27	1807	0	0	1	1
October 2003	Sabie River	27	1808	0	0	3	3
October 2003	Sabie River	27	1809	1	0	0	1
October 2003	Sabie River	27	1810	2	0	1	3
October 2003	Sabie River	27	1811	1	0	0	1
October 2003	Sabie River	27	1812	0	0	1	1
October 2003	Sabie River	27	1813	1	0	1	2
October 2003	Sabie River	27	1814	1	0	1	2
October 2003	Sabie River	27	1815	0	0	2	2
October 2003	Sabie River	27	1816	0	0	2	2
October 2003	Sabie River	28	1817	0	0	1	1
October 2003	Sabie River	28	1818	0	1	1	2
October 2003	Sabie River	28	1819	0	2	0	2
October 2003	Sabie River	28	1820	0	3	0	3

Date	Location	Tree	Flg	Prim. Sycophites			Total No.
				CA	CG	SS	
October 2003	Sabie River	26	1821	0	2	0	2
October 2003	Sabie River	26	1822	0	2	0	2
October 2003	Sabie River	26	1823	0	2	0	2
October 2003	Sabie River	26	1824	0	1	1	2
October 2003	Sabie River	26	1825	0	2	0	2
October 2003	Sabie River	26	1826	0	0	1	1
October 2003	Sabie River	26	1827	1	1	0	2
October 2003	Sabie River	26	1828	0	2	0	2
October 2003	Skuluzza Camp	30	1829	0	4	0	4
October 2003	Skuluzza Camp	30	1830	0	3	0	3
October 2003	Skuluzza Camp	30	1831	0	4	0	4
October 2003	Skuluzza Camp	30	1832	0	5	0	5
October 2003	Skuluzza Camp	30	1833	0	7	0	7
October 2003	Skuluzza Camp	30	1834	0	4	0	4
October 2003	Skuluzza Camp	30	1835	1	6	1	8
October 2003	Skuluzza Camp	30	1836	0	6	0	6
October 2003	Skuluzza Camp	30	1837	0	6	0	6
October 2003	Skuluzza Camp	30	1838	0	5	0	5
October 2003	Skuluzza Camp	30	1839	0	4	1	5
October 2003	Skuluzza Camp	30	1840	0	4	0	4
October 2003	Skuluzza Camp	30	1841	0	8	0	8
October 2003	Skuluzza Camp	30	1842	0	8	0	8
October 2003	Skuluzza Camp	30	1843	1	5	0	6
October 2003	Skuluzza Camp	30	1844	0	4	3	7
October 2003	Skuluzza Camp	30	1845	1	3	0	4
October 2003	Skuluzza Camp	30	1846	0	16	0	16
October 2003	Skuluzza Camp	30	1847	0	5	0	5
October 2003	Skuluzza Camp	30	1848	0	6	0	6
October 2003	Skuluzza Camp	30	1849	0	6	0	6
October 2003	Skuluzza Camp	30	1850	0	2	0	2
October 2003	Skuluzza Camp	30	1851	1	3	0	4
October 2003	Skuluzza Camp	30	1852	1	3	0	4
October 2003	Skuluzza Camp	30	1853	0	6	0	6
October 2003	Skuluzza Camp	30	1854	0	7	0	7
October 2003	Skuluzza Camp	30	1855	0	7	0	7
October 2003	Skuluzza Camp	30	1856	0	11	0	11
October 2003	Skuluzza Camp	30	1857	0	1	0	1
October 2003	Skuluzza Camp	30	1858	1	2	0	3
October 2003	Skuluzza Camp	30	1859	0	10	0	10
October 2003	Skuluzza Camp	30	1860	0	4	0	4
October 2003	Skuluzza Camp	30	1861	1	4	0	5
October 2003	Skuluzza Camp	30	1862	0	6	0	6
October 2003	Skuluzza Camp	30	1863	1	2	0	3
October 2003	Skuluzza Camp	30	1864	0	4	0	4
October 2003	Skuluzza Camp	30	1865	0	4		

Date	Location	Tree	Fig	Prim. Bycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Stukuza Camp	30	1891	1	0	0	1
October 2003	Stukuza Camp	30	1892	0	4	0	4
October 2003	Stukuza Camp	30	1893	0	6	0	6
October 2003	Stukuza Camp	30	1894	1	1	0	2
October 2003	Stukuza Camp	30	1895	0	8	0	8
October 2003	Stukuza Camp	30	1896	0	3	0	3
October 2003	Stukuza Camp	30	1897	0	9	0	9
October 2003	Stukuza Camp	30	1898	1	0	0	1
October 2003	Stukuza Camp	30	1899	0	6	0	6
October 2003	Stukuza Camp	30	1900	0	1	0	1
October 2003	Stukuza Camp	30	1901	0	6	0	6
October 2003	Stukuza Camp	30	1902	0	6	0	6
October 2003	Stukuza Camp	30	1903	3	0	0	3
October 2003	Stukuza Camp	30	1904	0	2	3	5
October 2003	Stukuza Camp	30	1905	1	5	0	6
October 2003	Stukuza Camp	30	1906	4	0	0	4
October 2003	Stukuza Camp	30	1907	0	7	0	7
October 2003	Stukuza Camp	30	1908	0	13	0	13
October 2003	Stukuza Camp	30	1909	3	0	0	3
October 2003	Stukuza Camp	30	1910	1	0	0	1
October 2003	Stukuza Camp	30	1911	1	6	0	7
October 2003	Stukuza Camp	30	1912	0	6	0	6
October 2003	Stukuza Camp	30	1913	0	9	0	9
October 2003	Stukuza Camp	30	1914	1	0	0	1
October 2003	Stukuza Camp	30	1915	0	7	0	7
October 2003	Stukuza Camp	30	1916	0	4	0	4
October 2003	Stukuza Camp	30	1917	0	8	0	8
October 2003	Stukuza Camp	30	1918	0	9	0	9
October 2003	Stukuza Camp	30	1919	1	1	3	5
October 2003	Stukuza Camp	30	1920	0	4	0	4
October 2003	Stukuza Camp	30	1921	1	0	0	1
October 2003	Stukuza Camp	30	1922	3	0	0	3
October 2003	Stukuza Camp	30	1923	1	2	0	3
October 2003	Stukuza Camp	30	1924	1	4	0	5
October 2003	Stukuza Camp	30	1925	0	1	1	2
October 2003	Stukuza Camp	30	1926	2	0	0	2
October 2003	Stukuza Camp	30	1927	2	0	2	4
October 2003	Stukuza Camp	30	1928	0	2	1	3
October 2003	Stukuza Camp	30	1929	1	5	0	6
October 2003	Stukuza Camp	30	1930	1	2	0	3
October 2003	Stukuza Camp	30	1931	0	3	0	3
October 2003	Stukuza Camp	30	1932	1	6	4	11
October 2003	Stukuza Camp	30	1933	1	0	1	2
October 2003	Stukuza Camp	30	1934	1	2	1	4
October 2003	Stukuza Camp	30	1935	0	2	2	4
October 2003	Stukuza Camp	30	1936	0	1	3	4
October 2003	Stukuza Camp	30	1937	1	0	0	1
October 2003	Stukuza Camp	30	1938	0	13	0	13
October 2003	Stukuza Camp	30	1939	0	0	2	2
October 2003	Stukuza Camp	30	1940	1	11	0	12
October 2003	Stukuza Camp	30	1941	3	0	0	3
October 2003	Stukuza Camp	30	1942	1	2	0	3
October 2003	Stukuza Camp	30	1943	1	1	0	2
October 2003	Stukuza Camp	30	1944	1	17	0	18
October 2003	Stukuza Camp	30	1945	1	0	0	1
October 2003	Stukuza Camp	30	1946	0	6	0	6
October 2003	Stukuza Camp	30	1947	2	0	0	2
October 2003	Stukuza Camp	30	1948	0	13	0	13
October 2003	Stukuza Camp	30	1949	1	3	0	4
October 2003	Stukuza Camp	30	1950	2	1	0	3
October 2003	Stukuza Camp	30	1951	2	0	2	4
October 2003	Stukuza Camp	30	1952	0	7	0	7
October 2003	Stukuza Camp	30	1953	1	11	0	12
October 2003	Stukuza Camp	30	1954	0	5	1	6
October 2003	Stukuza Camp	30	1955	0	21	0	21
October 2003	Stukuza Camp	30	1956	0	3	5	8
October 2003	Stukuza Camp	30	1957	1	1	0	2
October 2003	Stukuza Camp	30	1958	3	1	1	5
October 2003	Stukuza Camp	30	1959	3	1	0	4
October 2003	Stukuza Camp	30	1960	3	0	0	3

Date	Location	Tree	Fig	Prim. Bycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Stukuza Camp	30	1961	0	2	1	3
October 2003	Stukuza Camp	30	1962	1	4	0	5
October 2003	Stukuza Camp	30	1963	2	0	0	2
October 2003	Stukuza Camp	30	1964	0	3	0	3
October 2003	Stukuza Camp	30	1965	0	4	1	5
October 2003	Stukuza Camp	30	1966	1	1	3	5
October 2003	Stukuza Camp	30	1967	0	4	0	4
October 2003	Stukuza Camp	30	1968	1	9	0	10
October 2003	Stukuza Camp	30	1969	1	0	1	2
October 2003	Stukuza Camp	30	1970	1	0	1	2
October 2003	Stukuza Camp	30	1971	0	11	0	11
October 2003	Stukuza Camp	30	1972	0	34	0	34
October 2003	Stukuza Camp	30	1973	1	0	2	3
October 2003	Stukuza Camp	30	1974	0	13	0	13
October 2003	Stukuza Camp	30	1975	0	44	0	44
October 2003	Stukuza Camp	30	1976	0	19	0	19
October 2003	Stukuza Camp	30	1977	0	9	0	9
October 2003	Stukuza Camp	30	1978	1	7	0	8
October 2003	Stukuza Camp	30	1979	1	3	3	7
October 2003	Stukuza Camp	30	1980	1	4	0	5
October 2003	Stukuza Camp	30	1981	0	5	0	5
October 2003	Stukuza Camp	30	1982	1	0	0	1
October 2003	Stukuza Camp	30	1983	0	9	0	9
October 2003	Stukuza Camp	30	1984	0	11	0	11
October 2003	Stukuza Camp	30	1985	1	0	0	1
October 2003	Stukuza Camp	30	1986	0	10	0	10
October 2003	Stukuza Camp	30	1987	0	9	0	9
October 2003	Stukuza Camp	30	1988	0	3	0	3
October 2003	Stukuza Camp	30	1989	0	5	0	5
October 2003	Stukuza Camp	30	1990	0	8	0	8
October 2003	Stukuza Camp	30	1991	0	5	0	5
October 2003	Stukuza Camp	30	1992	0	3	1	4
October 2003	Stukuza Camp	30	1993	0	7	1	8
October 2003	Stukuza Camp	30	1994	0	2	1	3
October 2003	Stukuza Camp	30	1995	0	6	0	6
October 2003	Stukuza Camp	30	1996	0	10	0	10
October 2003	Stukuza Camp	30	1997	0	1	0	1
October 2003	Stukuza Camp	30	1998	0	8	0	8
October 2003	Stukuza Camp	30	1999	0	6	0	6
October 2003	Stukuza Camp	30	2000	0	8	0	8
October 2003	Stukuza Camp	30	2001	1	1	0	2
October 2003	Stukuza Camp	30	2002	0	8	0	8
October 2003	Stukuza Camp	30	2003	1	4	0	5
October 2003	Stukuza Camp	30	2004	0	7	0	7
October 2003	Stukuza Camp	30	2005	1	13	0	14
October 2003	Stukuza Camp	30	2006	0	6	0	6
October 2003	Stukuza Camp	30	2007	0	7	0	7
October 2003	Stukuza Camp	30	2008	0	4	0	4
October 2003	Stukuza Camp	30	2009	0	13	0	13
October 2003	Stukuza Camp	30	2010	2	2	0	4
October 2003	Stukuza Camp	30	2011	0	10	0	10
October 2003	Stukuza Camp	30	2012	0	4	0	4
October 2003	Stukuza Camp	30	2013	0	6	0	6
October 2003	Stukuza Camp	30	2014	0	9	0	9
October 2003	Stukuza Camp	30	2015	1	0	0	1
October 2003	Stukuza Camp	30	2016	1	1	0	2
October 2003	Stukuza Camp	30	2017	0	3	0	3
October 2003	Stukuza Camp	30	2018	0	2	0	2
October 2003	Stukuza Camp	30	2019	1	2	0	3
October 2003	Stukuza Camp	30	2020	0	5	0	5
October 2003	Stukuza Camp	30	2021	1	7	0	8
October 2003	Stukuza Camp	30	2022	0	6	0	6
October 2003	Stukuza Camp	30	2023	0	9	0	9
October 2003	Stukuza Camp	30	2024	0	4	0	4
October 2003	Stukuza Camp	30	2025	0	5	0	5
October 2003	Stukuza Camp	30	2026	0	5	0	5
October 2003	Stukuza Camp	30	2027	3	2	0	5
October 2003	Stukuza Camp	30	2028	0	16	0	16
October 2003	Stukuza Camp	30	2029	0	5	0	5
October 2003	Stukuza Camp	30	2030	1	1	0	2

Date	Location	Tree	Fig	Prim. Bycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Stukuza Camp	30	2031	1	4	0	5
October 2003	Stukuza Camp	30	2032	0	7	0	7
October 2003	Stukuza Camp	30	2033	0	5	0	5
October 2003	Stukuza Camp	30	2034	0	5	0	5
October 2003	Stukuza Camp	30	2035	0	8	0	8
October 2003	Stukuza Camp	30	2036	0	7	0	7
October 2003	Stukuza Camp	30	2037	0	3	0	3
October 2003	Stukuza Camp	30	2038	0	7	0	7
October 2003	Stukuza Camp	30	2039	0	6	0	6
October 2003	Stukuza Camp	30	2040	0	5	0	5
October 2003	Stukuza Camp	30	2041	0	4	0	4
October 2003	Stukuza Camp	30	2042	0	14	0	14
October 2003	Stukuza Camp	30	2043	1	5	0	6
October 2003	Stukuza Camp	30	2044	0	6	0	6
October 2003	Stukuza Camp	30	2045	0	22	0	22
October 2003	Stukuza Camp	30	2046	0	11	0	11
October 2003	Stukuza Camp	30	2047	1	3	0	4
October 2003	Stukuza Camp	30	2048	0	4	0	4
October 2003	Stukuza Camp	30	2049	0	4	0	4
October 2003	Stukuza Camp	30	2050	0	8	0	8
October 2003	Stukuza Camp	30	2051	0	49	0	49
October 2003	Stukuza Camp	30	2052	0	3	0	3
October 2003	Stukuza Camp	30	2053	1	4	0	5
October 2003	Stukuza Camp	30	2054	1	0	0	1
October 2003	Stukuza Camp	30	2055	0	18	0	18
October 2003	Stukuza Camp	30	2056	0	3	0	3
October 2003	Stukuza Camp	30	2057	0	13	0	13
October 2003	Stukuza Camp	30	2058	0	6	0	6
October 2003	Stukuza Camp	30	2059	0	6	0	6
October 2003	Stukuza Camp	30	2060	0	8	0	8
October 2003	Stukuza Camp	30	2061	0	2	0	2
October 2003	Stukuza Camp	30	2062	0	3	0	3
October 2003	Stukuza Camp	30	2063	0	7	0	7
October 2003	Stukuza Camp	30	2064	0	12	0	12
October 2003	Stukuza Camp	30	2065	0	3	0	3
October 2003	Stukuza Camp	30	2066	0	15	0	15
October 2003	Stukuza Camp	30	2067	0	8	0	8
October 2003	Stukuza Camp	30	2068	0	1	0	1
October 2003	Stukuza Camp	30	2069	0	8	0	8
October 2003	Stukuza Camp	30	2070	0	9	0	9
October 2003	Stukuza Camp	30	2071	0	5	0	5
October 2003	Stukuza Camp	30	2072	0	7	0	7
October 2003	Stukuza Camp	30					

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Letaba River	65 3151	0	3	2	5	
October 2003	Letaba River	65 3152	0	1	0	1	
October 2003	Letaba River	65 3153	0	0	4	4	
October 2003	Letaba River	65 3154	0	1	2	3	
October 2003	Letaba River	65 3155	0	3	0	3	
October 2003	Letaba River	65 3156	0	1	0	1	
October 2003	Letaba River	65 3157	0	0	1	1	
October 2003	Letaba River	65 3158	0	1	0	1	
October 2003	Letaba River	65 3159	0	0	2	2	
October 2003	Letaba River	65 3160	0	0	2	2	
October 2003	Letaba River	65 3161	0	12	0	12	
October 2003	Letaba River	65 3162	0	0	3	3	
October 2003	Letaba River	65 3163	0	0	1	1	
October 2003	Letaba River	65 3164	1	1	0	2	
October 2003	Letaba River	65 3165	0	0	1	1	
October 2003	Letaba River	65 3166	0	3	0	3	
October 2003	Letaba River	65 3167	0	0	2	2	
October 2003	Letaba River	65 3168	0	0	1	1	
October 2003	Letaba River	65 3169	2	2	1	5	
October 2003	Letaba River	65 3170	0	0	3	3	
October 2003	Letaba River	65 3171	0	1	1	2	
October 2003	Shingwedzi River	66 3172	1	0	0	1	
October 2003	Shingwedzi River	66 3173	0	0	1	1	
October 2003	Shingwedzi River	66 3174	0	0	1	1	
October 2003	Shingwedzi River	67 3175	4	0	0	4	
October 2003	Shingwedzi River	67 3176	2	0	1	3	
October 2003	Shingwedzi River	67 3177	2	0	0	2	
October 2003	Shingwedzi River	67 3178	5	0	0	5	
October 2003	Shingwedzi River	67 3179	7	1	1	9	
October 2003	Shingwedzi River	67 3180	3	0	0	3	
October 2003	Shingwedzi River	67 3181	3	0	1	4	
October 2003	Shingwedzi River	67 3182	6	0	0	6	
October 2003	Shingwedzi River	67 3183	3	0	0	3	
October 2003	Shingwedzi River	67 3184	4	0	0	4	
October 2003	Shingwedzi River	67 3185	3	0	0	3	
October 2003	Shingwedzi River	67 3186	6	0	0	6	
October 2003	Shingwedzi River	67 3187	4	0	0	4	
October 2003	Shingwedzi River	67 3188	2	0	0	2	
October 2003	Shingwedzi River	67 3189	8	0	0	8	
October 2003	Shingwedzi River	67 3190	1	1	0	2	
October 2003	Shingwedzi River	67 3191	3	0	0	3	
October 2003	Shingwedzi River	67 3192	2	0	0	2	
October 2003	Shingwedzi River	67 3193	1	0	3	4	
October 2003	Shingwedzi River	67 3194	2	0	0	2	
October 2003	Shingwedzi River	67 3195	6	0	0	6	
October 2003	Shingwedzi River	67 3196	2	0	0	2	
October 2003	Shingwedzi River	68 3197	0	0	1	1	
October 2003	Shingwedzi River	68 3198	1	0	0	1	
October 2003	Shingwedzi River	69 3199	1	0	0	1	
October 2003	Shingwedzi River	69 3200	0	0	1	1	
October 2003	Shingwedzi River	70 3201	1	1	0	2	
October 2003	Shingwedzi River	70 3202	2	0	0	2	
October 2003	Shingwedzi River	70 3203	0	1	0	1	
October 2003	Shingwedzi River	71 3204	1	0	0	1	
October 2003	Shingwedzi River	71 3205	1	1	0	2	
October 2003	Shingwedzi River	71 3206	1	0	0	1	
October 2003	Shingwedzi River	71 3207	1	0	0	1	
October 2003	Shingwedzi River	71 3208	0	2	0	2	
October 2003	Shingwedzi River	71 3209	2	0	0	2	
October 2003	Shingwedzi River	72 3210	2	0	0	2	
October 2003	Shingwedzi River	72 3211	0	3	0	3	
October 2003	Shingwedzi River	72 3212	0	0	1	1	
October 2003	Shingwedzi River	72 3213	3	0	1	4	
October 2003	Shingwedzi River	72 3214	0	0	2	2	
October 2003	Shingwedzi River	72 3215	1	0	0	1	
October 2003	Shingwedzi River	72 3216	1	1	6	8	
October 2003	Shingwedzi River	72 3217	0	1	1	2	
October 2003	Shingwedzi River	72 3218	1	0	0	1	
October 2003	Shingwedzi River	72 3219	0	1	0	1	
October 2003	Shingwedzi River	72 3220	2	0	0	2	

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Shingwedzi River	72 3221	1	0	0	1	
October 2003	Shingwedzi River	72 3222	1	1	6	8	
October 2003	Shingwedzi River	72 3223	0	0	1	1	
October 2003	Shingwedzi River	72 3224	0	0	1	1	
October 2003	Shingwedzi River	72 3225	1	0	0	1	
October 2003	Shingwedzi River	72 3226	1	0	0	1	
October 2003	Shingwedzi River	72 3227	0	0	1	1	
October 2003	Shingwedzi River	72 3228	0	0	3	3	
October 2003	Shingwedzi River	72 3229	3	0	0	3	
October 2003	Shingwedzi River	72 3230	4	0	0	4	
October 2003	Shingwedzi River	72 3231	1	0	0	1	
October 2003	Shingwedzi River	72 3232	0	1	0	1	
October 2003	Shingwedzi River	72 3233	0	0	5	5	
October 2003	Shingwedzi River	72 3234	1	1	0	2	
October 2003	Shingwedzi River	72 3235	1	3	2	6	
October 2003	Shingwedzi River	72 3236	0	0	4	4	
October 2003	Shingwedzi River	72 3237	0	1	1	2	
October 2003	Shingwedzi River	72 3238	4	0	0	4	
October 2003	Shingwedzi River	72 3239	1	0	0	1	
October 2003	Shingwedzi River	72 3240	0	2	1	3	
October 2003	Shingwedzi River	72 3241	1	3	2	6	
October 2003	Shingwedzi River	72 3242	1	0	0	1	
October 2003	Shingwedzi River	72 3243	3	0	0	3	
October 2003	Shingwedzi River	72 3244	1	0	0	1	
October 2003	Shingwedzi River	72 3245	1	0	0	1	
October 2003	Shingwedzi River	72 3246	0	0	1	1	
October 2003	Shingwedzi River	72 3247	1	0	0	1	
October 2003	Shingwedzi River	72 3248	1	1	2	4	
October 2003	Shingwedzi River	72 3249	1	0	4	5	
October 2003	Shingwedzi River	72 3250	2	0	3	5	
October 2003	Shingwedzi River	72 3251	2	0	0	2	
October 2003	Shingwedzi River	72 3252	0	0	6	6	
October 2003	Shingwedzi River	72 3253	1	0	0	1	
October 2003	Shingwedzi River	72 3254	2	0	0	2	
October 2003	Shingwedzi River	72 3255	1	0	0	1	
October 2003	Shingwedzi River	72 3256	0	5	3	8	
October 2003	Shingwedzi River	72 3257	2	0	1	3	
October 2003	Shingwedzi River	72 3258	1	0	0	1	
October 2003	Shingwedzi River	72 3259	1	0	1	2	
October 2003	Shingwedzi River	72 3260	0	1	0	1	
October 2003	Shingwedzi River	72 3261	1	0	2	3	
October 2003	Shingwedzi River	72 3262	0	8	2	10	
October 2003	Shingwedzi River	72 3263	1	0	0	1	
October 2003	Shingwedzi River	72 3264	0	0	1	1	
October 2003	Shingwedzi River	72 3265	0	2	3	5	
October 2003	Shingwedzi River	72 3266	1	0	1	2	
October 2003	Shingwedzi River	72 3267	1	0	0	1	
October 2003	Shingwedzi River	72 3268	1	0	0	1	
October 2003	Shingwedzi River	72 3269	1	0	0	1	
October 2003	Shingwedzi River	72 3270	1	1	0	2	
October 2003	Shingwedzi River	72 3271	1	2	1	4	
October 2003	Shingwedzi River	73 3272	2	0	1	3	
October 2003	Shingwedzi River	73 3273	0	0	7	7	
October 2003	Shingwedzi River	73 3274	1	0	1	2	
October 2003	Shingwedzi River	73 3275	1	0	1	2	
October 2003	Shingwedzi River	73 3276	1	0	2	3	
October 2003	Shingwedzi River	73 3277	0	0	4	4	
October 2003	Shingwedzi River	73 3278	0	0	10	10	
October 2003	Shingwedzi River	73 3279	2	0	0	2	
October 2003	Shingwedzi River	73 3280	1	0	1	2	
October 2003	Shingwedzi River	73 3281	0	0	8	8	
October 2003	Shingwedzi River	73 3282	0	0	7	7	
October 2003	Shingwedzi River	73 3283	2	0	0	2	
October 2003	Shingwedzi River	73 3284	0	0	5	5	
October 2003	Shingwedzi River	73 3285	1	0	2	3	
October 2003	Shingwedzi River	73 3286	0	0	8	8	
October 2003	Shingwedzi River	73 3287	0	0	7	7	
October 2003	Shingwedzi River	73 3288	0	0	5	5	
October 2003	Shingwedzi River	73 3289	1	0	3	4	
October 2003	Shingwedzi River	73 3290	0	0	3	3	

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Shingwedzi River	73 3291	1	0	3	4	
October 2003	Shingwedzi River	73 3292	2	0	3	5	
October 2003	Shingwedzi River	73 3293	0	0	4	4	
October 2003	Shingwedzi River	73 3294	2	0	2	4	
October 2003	Shingwedzi River	73 3295	0	0	12	12	
October 2003	Shingwedzi River	73 3296	0	0	4	4	
October 2003	Shingwedzi River	73 3297	0	0	6	6	
October 2003	Shingwedzi River	73 3298	1	0	1	2	
October 2003	Shingwedzi River	73 3299	0	0	2	2	
October 2003	Shingwedzi River	73 3300	1	0	3	4	
October 2003	Shingwedzi River	73 3301	0	0	3	3	
October 2003	Shingwedzi River	73 3302	1	0	0	1	
October 2003	Shingwedzi River	73 3303	0	0	12	12	
October 2003	Shingwedzi River	73 3304	0	0	6	6	
October 2003	Shingwedzi River	73 3305	2	0	1	3	
October 2003	Shingwedzi River	73 3306	3	0	0	3	
October 2003	Shingwedzi River	73 3307	1	0	1	2	
October 2003	Shingwedzi River	73 3308	0	0	4	4	
October 2003	Shingwedzi River	73 3309	0	0	6	6	
October 2003	Shingwedzi River	73 3310	0	0	6	6	
October 2003	Shingwedzi River	73 3311	1	0	4	5	
October 2003	Shingwedzi River	73 3312	0	0	5	5	
October 2003	Shingwedzi River	73 3313	0	0	3	3	
October 2003	Shingwedzi River	73 3314	0	0	5	5	
October 2003	Shingwedzi River	73 3315	1	0	2	3	
October 2003	Shingwedzi River	73 3316	0	0	1	1	
October 2003	Shingwedzi River	73 3317	1	0	3	4	
October 2003	Shingwedzi River	73 3318	1	0	1	2	
October 2003	Shingwedzi River	73 3319	2	0	1	3	
October 2003	Shingwedzi River	73 3320	0	0	7	7	
October 2003	Shingwedzi River	73 3321	0	0	1	1	
October 2003	Shingwedzi River	73 3322	0	0	1	1	
October 2003	Shingwedzi River	73 3323	0	0	5	5	
October 2003	Shingwedzi River	73 3324	2	0	0	2	
October 2003	Shingwedzi River	73 3325	4	0	1	5	
October 2003	Shingwedzi River	73 3326	2	0	2	4	
October 2003	Shingwedzi River	73 3327	0	0	2	2	
October 2003	Shingwedzi River	73 3328	0	0	6	6	
October 2003	Shingwedzi River	73 3329	0	0	1	1	
October 2003	Shingwedzi River	73 3330	0	2	4	6	
October 2003	Shingwedzi River	73 3331	0	0	5	5	
October 2003	Shingwedzi River	73 3332	0	0	4	4	
October 2003	Shingwedzi River	73 3333	0	0	1	1	
October 2003	Shingwedzi River	73 3334	1	0	2	3	
October 2003	Shingwedzi River	73 3335	0	0	5	5	
October 2003	Shingwedzi River	73 3336	1	0	1	2	
October 2003	Shingwedzi River	73 3337	1	0	1	2	
October 2003	Shingwedzi River	73 3338	1	0	5	6	
October 2003	Shingwedzi River	73 3339	0	0	4	4	
October 2003	Shingwedzi River	73 3340	1	2	3	6	
October 2003	Shingwedzi River	73 3341	0	2	5	7	
October 2003	Shingwedzi River	73 3342	0	0	5	5	
October 2003	Shingwedzi River	73 3343	1	0			

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
October 2003	Mphongolo River	88	3781	1	0	4	5
October 2003	Mphongolo River	88	3782	3	0	1	4
October 2003	Mphongolo River	89	3783	1	0	0	1
October 2003	Mphongolo River	90	3784	1	0	0	1
October 2003	Mphongolo River	90	3785	2	0	0	2
October 2003	Mphongolo River	90	3786	1	0	0	1
October 2003	Mphongolo River	90	3787	2	0	0	2
October 2003	Mphongolo River	90	3788	0	1	0	1
October 2003	Mphongolo River	90	3789	1	0	0	1
October 2003	Mphongolo River	90	3790	2	0	0	2
October 2003	Mphongolo River	90	3791	1	0	0	1
October 2003	Mphongolo River	90	3792	1	0	0	1
October 2003	Mphongolo River	90	3793	1	0	0	1
October 2003	Mphongolo River	90	3794	1	0	0	1
October 2003	Mphongolo River	90	3795	2	0	0	2
October 2003	Mphongolo River	90	3796	1	0	0	1
October 2003	Mphongolo River	90	3797	1	0	0	1
October 2003	Mphongolo River	90	3798	0	0	1	1
October 2003	Mphongolo River	90	3799	1	0	0	1
October 2003	Mphongolo River	90	3800	1	0	0	1
October 2003	Phugwane River	91	3801	1	0	0	1
October 2003	Phugwane River	91	3802	3	0	1	4
October 2003	Phugwane River	91	3803	1	0	1	2
October 2003	Phugwane River	91	3804	2	0	0	2
October 2003	Phugwane River	91	3805	1	0	1	2
October 2003	Phugwane River	91	3806	2	0	0	2
October 2003	Phugwane River	91	3807	0	0	10	10
October 2003	Phugwane River	91	3808	1	0	1	2
October 2003	Phugwane River	91	3809	2	1	4	7
October 2003	Phugwane River	91	3810	4	0	0	4
October 2003	Phugwane River	91	3811	1	0	0	1
October 2003	Phugwane River	91	3812	3	0	0	3
October 2003	Phugwane River	91	3813	0	0	4	4
October 2003	Phugwane River	91	3814	2	0	0	2
October 2003	Phugwane River	91	3815	1	1	3	5
October 2003	Phugwane River	91	3816	2	0	0	2
October 2003	Phugwane River	91	3817	2	0	1	3
October 2003	Phugwane River	91	3818	2	0	1	3
October 2003	Phugwane River	91	3819	1	0	1	2
October 2003	Phugwane River	91	3820	2	0	1	3
October 2003	Phugwane River	91	3821	0	0	1	1
October 2003	Phugwane River	91	3822	1	0	1	2
October 2003	Phugwane River	91	3823	5	0	0	5
December 2003	Letaba Camp	92	3824	0	3	0	3
December 2003	Letaba Camp	92	3825	0	4	0	4
December 2003	Letaba Camp	92	3826	0	6	0	6
December 2003	Letaba Camp	92	3827	0	16	1	17
December 2003	Letaba Camp	92	3828	0	4	0	4
December 2003	Letaba Camp	92	3829	0	0	4	4
December 2003	Letaba Camp	92	3830	0	10	0	10
December 2003	Letaba Camp	92	3831	0	5	0	5
December 2003	Letaba Camp	92	3832	0	2	0	2
December 2003	Letaba Camp	92	3833	0	14	0	14
December 2003	Letaba Camp	92	3834	0	6	0	6
December 2003	Letaba Camp	92	3835	0	10	0	10
December 2003	Letaba Camp	92	3836	0	6	0	6
December 2003	Letaba Camp	92	3837	0	8	1	9
December 2003	Letaba Camp	92	3838	0	3	0	3
December 2003	Letaba Camp	92	3839	0	10	1	11
December 2003	Letaba Camp	92	3840	0	4	0	4
December 2003	Letaba Camp	92	3841	0	6	0	6
December 2003	Letaba Camp	92	3842	0	2	0	2
December 2003	Letaba Camp	92	3843	0	11	3	14
December 2003	Letaba Camp	92	3844	0	13	0	13
December 2003	Letaba Camp	92	3845	0	9	0	9
December 2003	Letaba Camp	92	3846	0	3	0	3
December 2003	Letaba Camp	92	3847	0	5	0	5
December 2003	Letaba Camp	92	3848	0	1	0	1
December 2003	Letaba Camp	92	3849	0	1	0	1
December 2003	Letaba Camp	92	3850	0	11	1	12

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Letaba Camp	92	3851	0	30	28	58
December 2003	Letaba Camp	92	3852	0	0	2	2
December 2003	Letaba Camp	92	3853	0	6	0	6
December 2003	Letaba Camp	92	3854	0	7	1	6
December 2003	Letaba Camp	92	3855	0	6	0	6
December 2003	Letaba Camp	92	3856	0	3	2	5
December 2003	Letaba Camp	92	3857	0	10	2	12
December 2003	Letaba Camp	92	3858	0	6	0	6
December 2003	Letaba Camp	92	3859	0	1	0	1
December 2003	Letaba Camp	92	3860	0	9	0	9
December 2003	Letaba Camp	92	3861	0	10	0	10
December 2003	Letaba Camp	92	3862	0	17	3	20
December 2003	Letaba Camp	92	3863	0	9	0	9
December 2003	Letaba Camp	92	3864	0	9	3	12
December 2003	Letaba Camp	92	3865	0	4	0	4
December 2003	Letaba Camp	92	3866	0	3	9	12
December 2003	Letaba Camp	92	3867	0	4	0	4
December 2003	Letaba Camp	92	3868	0	4	0	4
December 2003	Letaba Camp	92	3869	0	4	0	4
December 2003	Letaba Camp	92	3870	0	2	1	3
December 2003	Letaba Camp	92	3871	1	3	1	5
December 2003	Letaba Camp	92	3872	0	21	1	22
December 2003	Letaba Camp	92	3873	0	23	1	24
December 2003	Letaba Camp	92	3874	0	22	10	32
December 2003	Letaba Camp	92	3875	0	20	2	22
December 2003	Letaba Camp	92	3876	0	10	2	12
December 2003	Letaba Camp	92	3877	0	4	0	4
December 2003	Letaba Camp	92	3878	0	11	0	11
December 2003	Letaba Camp	92	3879	0	5	1	6
December 2003	Letaba Camp	92	3880	0	9	2	11
December 2003	Letaba Camp	92	3881	0	7	0	7
December 2003	Letaba Camp	92	3882	0	3	0	3
December 2003	Letaba Camp	92	3883	0	3	0	3
December 2003	Letaba Camp	92	3884	0	13	0	13
December 2003	Letaba Camp	92	3885	0	6	1	7
December 2003	Letaba Camp	92	3886	0	6	1	7
December 2003	Letaba Camp	92	3887	0	12	0	12
December 2003	Letaba Camp	92	3888	0	15	0	15
December 2003	Letaba Camp	92	3889	0	20	1	21
December 2003	Letaba Camp	92	3890	0	4	0	4
December 2003	Letaba Camp	92	3891	0	12	0	12
December 2003	Letaba Camp	92	3892	0	6	2	6
December 2003	Letaba Camp	92	3893	0	4	0	4
December 2003	Letaba Camp	92	3894	1	4	1	6
December 2003	Letaba Camp	92	3895	0	6	0	6
December 2003	Letaba Camp	92	3896	0	3	0	3
December 2003	Letaba Camp	92	3897	0	6	1	7
December 2003	Letaba Camp	92	3898	0	6	0	6
December 2003	Letaba Camp	93	3899	0	41	2	43
December 2003	Letaba Camp	93	3900	0	55	4	59
December 2003	Letaba Camp	93	3901	0	8	0	6
December 2003	Letaba Camp	93	3902	0	6	4	12
December 2003	Letaba Camp	93	3903	0	3	15	18
December 2003	Letaba Camp	93	3904	0	13	0	13
December 2003	Letaba Camp	93	3905	0	28	24	52
December 2003	Letaba Camp	93	3906	0	22	1	23
December 2003	Letaba Camp	93	3907	0	23	14	37
December 2003	Letaba Camp	93	3908	0	7	0	7
December 2003	Letaba Camp	93	3909	0	33	0	33
December 2003	Letaba Camp	93	3910	0	21	14	35
December 2003	Letaba Camp	93	3911	0	16	0	16
December 2003	Letaba Camp	93	3912	0	16	2	18
December 2003	Letaba Camp	93	3913	0	22	2	24
December 2003	Letaba Camp	93	3914	0	11	0	11
December 2003	Letaba Camp	93	3915	0	32	5	37
December 2003	Shingwedzi River	94	3916	0	0	14	14
December 2003	Shingwedzi River	94	3917	0	0	9	9
December 2003	Shingwedzi River	94	3918	1	0	11	12
December 2003	Shingwedzi River	94	3919	0	0	15	15
December 2003	Shingwedzi River	94	3920	0	0	5	5

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	94	3921	1	0	11	12
December 2003	Shingwedzi River	94	3922	0	0	14	14
December 2003	Shingwedzi River	94	3923	0	0	13	13
December 2003	Shingwedzi River	94	3924	1	0	2	3
December 2003	Shingwedzi River	94	3925	0	0	10	10
December 2003	Shingwedzi River	94	3926	0	0	3	3
December 2003	Shingwedzi River	94	3927	0	0	14	14
December 2003	Shingwedzi River	94	3928	0	0	10	10
December 2003	Shingwedzi River	94	3929	0	0	11	11
December 2003	Shingwedzi River	94	3930	0	0	10	10
December 2003	Shingwedzi River	94	3931	0	0	10	10
December 2003	Shingwedzi River	94	3932	0	0	11	11
December 2003	Shingwedzi River	94	3933	0	0	6	6
December 2003	Shingwedzi River	94	3934	0	0	10	10
December 2003	Shingwedzi River	94	3935	0	0	2	2
December 2003	Shingwedzi River	94	3936	0	0	6	6
December 2003	Shingwedzi River	94	3937	0	0	4	4
December 2003	Shingwedzi River	94	3938	0	0	6	6
December 2003	Shingwedzi River	94	3939	0	0	12	12
December 2003	Shingwedzi River	94	3940	0	0	10	10
December 2003	Shingwedzi River	94	3941	0	0	14	14
December 2003	Shingwedzi River	94	3942	0	0	19	19
December 2003	Shingwedzi River	94	3943	0	0	16	16
December 2003	Shingwedzi River	94	3944	0	0	11	11
December 2003	Shingwedzi River	94	3945	0	0	11	11
December 2003	Shingwedzi River	94	3946	0	0	21	21
December 2003	Shingwedzi River	94	3947	1	1	9	11
December 2003	Shingwedzi River	94	3948	0	0	6	6
December 2003	Shingwedzi River	94	3949	0	0	9	9
December 2003	Shingwedzi River	94	3950	1	0	3	4
December 2003	Shingwedzi River	94	3951	0	0	14	14
December 2003	Shingwedzi River	94	3952	0	0	14	14
December 2003	Shingwedzi River	94	3953	1	0	0	1
December 2003	Shingwedzi River	94	3954	0	0	3	3
December 2003	Shingwedzi River	94	3955	0	0	11	11
December 2003	Shingwedzi River	94	3956	1	0	4	5
December 2003	Shingwedzi River	94	3957	0	3	0	3
December 2003	Shingwedzi River	94	3958	0	0	17	17
December 2003	Shingwedzi River	94	3959	0	3	16	19
December 2003	Shingwedzi River	94	3960	0	0	14	14
December 2003	Shingwedzi River	94	3961	1	1	6	8
December 2003	Shingwedzi River	94	3962	2	0	0	

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	95	4201	0	0	7	7
December 2003	Shingwedzi River	95	4202	0	0	2	2
December 2003	Shingwedzi River	95	4203	0	0	2	2
December 2003	Shingwedzi River	96	4204	2	0	0	2
December 2003	Shingwedzi River	96	4205	5	0	0	5
December 2003	Shingwedzi River	96	4206	2	0	16	18
December 2003	Shingwedzi River	96	4207	6	0	0	6
December 2003	Shingwedzi River	96	4208	6	0	0	6
December 2003	Shingwedzi River	96	4209	0	4	18	22
December 2003	Shingwedzi River	96	4210	5	0	0	5
December 2003	Shingwedzi River	96	4211	2	0	0	2
December 2003	Shingwedzi River	96	4212	4	0	0	4
December 2003	Shingwedzi River	96	4213	5	0	2	7
December 2003	Shingwedzi River	96	4214	3	0	0	3
December 2003	Shingwedzi River	96	4215	3	0	1	4
December 2003	Shingwedzi River	96	4216	0	0	17	17
December 2003	Shingwedzi River	96	4217	1	0	9	10
December 2003	Shingwedzi River	96	4218	6	0	5	11
December 2003	Shingwedzi River	96	4219	2	0	18	20
December 2003	Shingwedzi River	96	4220	0	0	10	10
December 2003	Shingwedzi River	96	4221	1	0	0	1
December 2003	Shingwedzi River	96	4222	3	0	0	3
December 2003	Shingwedzi River	96	4223	3	0	0	3
December 2003	Shingwedzi River	96	4224	2	0	10	12
December 2003	Shingwedzi River	96	4225	4	0	11	15
December 2003	Shingwedzi River	96	4226	0	0	16	16
December 2003	Shingwedzi River	96	4227	0	0	7	7
December 2003	Shingwedzi River	96	4228	2	0	3	5
December 2003	Shingwedzi River	96	4229	2	0	5	7
December 2003	Shingwedzi River	96	4230	2	0	0	2
December 2003	Shingwedzi River	96	4231	0	0	2	2
December 2003	Shingwedzi River	96	4232	3	0	0	3
December 2003	Shingwedzi River	96	4233	6	0	0	6
December 2003	Shingwedzi River	96	4234	4	0	0	4
December 2003	Shingwedzi River	96	4235	1	0	1	2
December 2003	Shingwedzi River	96	4236	1	0	0	1
December 2003	Shingwedzi River	96	4237	0	0	10	10
December 2003	Shingwedzi River	96	4238	1	0	0	1
December 2003	Shingwedzi River	96	4239	2	0	0	2
December 2003	Shingwedzi River	96	4240	2	0	0	2
December 2003	Shingwedzi River	96	4241	3	0	0	3
December 2003	Shingwedzi River	96	4242	3	0	0	3
December 2003	Shingwedzi River	96	4243	2	0	1	3
December 2003	Shingwedzi River	96	4244	4	0	0	4
December 2003	Shingwedzi River	96	4245	1	0	0	1
December 2003	Shingwedzi River	96	4246	3	0	3	6
December 2003	Shingwedzi River	96	4247	3	0	0	3
December 2003	Shingwedzi River	96	4248	1	0	4	5
December 2003	Shingwedzi River	96	4249	3	0	1	4
December 2003	Shingwedzi River	96	4250	3	0	0	3
December 2003	Shingwedzi River	96	4251	2	0	0	2
December 2003	Shingwedzi River	96	4252	3	0	2	5
December 2003	Shingwedzi River	96	4253	3	0	3	6
December 2003	Shingwedzi River	96	4254	2	0	0	2
December 2003	Shingwedzi River	96	4255	2	0	8	10
December 2003	Shingwedzi River	96	4256	0	0	13	13
December 2003	Shingwedzi River	96	4257	2	0	20	22
December 2003	Shingwedzi River	96	4258	0	0	4	4
December 2003	Shingwedzi River	96	4259	2	0	0	2
December 2003	Shingwedzi River	96	4260	2	0	0	2
December 2003	Shingwedzi River	96	4261	4	0	1	5
December 2003	Shingwedzi River	96	4262	5	0	3	8
December 2003	Shingwedzi River	96	4263	1	0	0	1
December 2003	Shingwedzi River	96	4264	1	0	0	1
December 2003	Shingwedzi River	96	4265	2	0	0	2
December 2003	Shingwedzi River	96	4266	0	0	16	16
December 2003	Shingwedzi River	96	4267	2	0	4	6
December 2003	Shingwedzi River	96	4268	2	0	0	2
December 2003	Shingwedzi River	96	4269	1	0	2	3
December 2003	Shingwedzi River	96	4270	1	0	2	3

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	96	4271	0	0	3	3
December 2003	Shingwedzi River	96	4272	0	0	4	4
December 2003	Shingwedzi River	96	4273	1	0	12	13
December 2003	Shingwedzi River	96	4274	1	0	18	19
December 2003	Shingwedzi River	96	4275	1	0	5	6
December 2003	Shingwedzi River	96	4276	4	0	0	4
December 2003	Shingwedzi River	96	4277	2	0	0	2
December 2003	Shingwedzi River	96	4278	3	0	0	3
December 2003	Shingwedzi River	96	4279	0	0	12	12
December 2003	Shingwedzi River	96	4280	1	0	22	23
December 2003	Shingwedzi River	96	4281	1	0	0	1
December 2003	Shingwedzi River	96	4282	1	0	24	25
December 2003	Shingwedzi River	96	4283	2	0	0	2
December 2003	Shingwedzi River	96	4284	2	1	0	3
December 2003	Shingwedzi River	96	4285	3	0	2	5
December 2003	Shingwedzi River	96	4286	2	0	0	2
December 2003	Shingwedzi River	96	4287	2	0	0	2
December 2003	Shingwedzi River	96	4288	2	0	7	9
December 2003	Shingwedzi River	96	4289	3	0	19	22
December 2003	Shingwedzi River	96	4290	2	0	1	3
December 2003	Shingwedzi River	96	4291	2	0	0	2
December 2003	Shingwedzi River	96	4292	0	0	3	3
December 2003	Shingwedzi River	96	4293	0	2	4	6
December 2003	Shingwedzi River	96	4294	1	0	0	1
December 2003	Shingwedzi River	96	4295	2	0	1	3
December 2003	Shingwedzi River	96	4296	0	1	1	2
December 2003	Shingwedzi River	96	4297	1	0	0	1
December 2003	Shingwedzi River	96	4298	0	0	4	4
December 2003	Shingwedzi River	96	4299	1	0	0	1
December 2003	Shingwedzi River	96	4300	1	0	0	1
December 2003	Shingwedzi River	96	4301	2	0	4	6
December 2003	Shingwedzi River	96	4302	0	0	16	16
December 2003	Shingwedzi River	96	4303	1	0	7	8
December 2003	Shingwedzi River	96	4304	0	0	14	14
December 2003	Shingwedzi River	96	4305	1	0	7	8
December 2003	Shingwedzi River	96	4306	1	0	9	10
December 2003	Shingwedzi River	96	4307	0	0	12	12
December 2003	Shingwedzi River	96	4308	1	0	3	4
December 2003	Shingwedzi River	96	4309	1	0	5	6
December 2003	Shingwedzi River	96	4310	1	0	5	6
December 2003	Shingwedzi River	96	4311	0	0	7	7
December 2003	Shingwedzi River	96	4312	0	0	2	2
December 2003	Shingwedzi River	96	4313	1	0	0	1
December 2003	Shingwedzi River	96	4314	2	0	0	2
December 2003	Shingwedzi River	96	4315	1	0	5	6
December 2003	Shingwedzi River	96	4316	2	0	0	2
December 2003	Shingwedzi River	96	4317	2	0	0	2
December 2003	Shingwedzi River	96	4318	2	0	1	3
December 2003	Shingwedzi River	96	4319	4	0	1	5
December 2003	Shingwedzi River	96	4320	1	0	2	3
December 2003	Shingwedzi River	96	4321	1	0	2	3
December 2003	Shingwedzi River	96	4322	1	0	3	4
December 2003	Shingwedzi River	96	4323	2	0	0	2
December 2003	Shingwedzi River	96	4324	1	0	0	1
December 2003	Shingwedzi River	96	4325	2	1	2	5
December 2003	Shingwedzi River	96	4326	1	0	0	1
December 2003	Shingwedzi River	96	4327	1	0	0	1
December 2003	Shingwedzi River	96	4328	3	0	0	3
December 2003	Shingwedzi River	96	4329	6	0	0	6
December 2003	Shingwedzi River	96	4330	2	0	3	5
December 2003	Shingwedzi River	96	4331	1	0	1	2
December 2003	Shingwedzi River	96	4332	1	0	0	1
December 2003	Shingwedzi River	96	4333	1	0	0	1
December 2003	Shingwedzi River	96	4334	2	0	0	2
December 2003	Shingwedzi River	96	4335	1	0	2	3
December 2003	Shingwedzi River	96	4336	0	0	1	1
December 2003	Shingwedzi River	96	4337	1	0	1	2
December 2003	Shingwedzi River	96	4338	0	0	4	4
December 2003	Shingwedzi River	96	4339	0	0	4	4
December 2003	Shingwedzi River	96	4340	3	0	0	3

Date	Location	Tree	Fig	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	96	4341	1	0	6	7
December 2003	Shingwedzi River	96	4342	2	0	0	2
December 2003	Shingwedzi River	96	4343	2	0	1	3
December 2003	Shingwedzi River	96	4344	2	0	0	2
December 2003	Shingwedzi River	96	4345	1	0	0	1
December 2003	Shingwedzi River	96	4346	2	0	3	5
December 2003	Shingwedzi River	96	4347	1	0	7	8
December 2003	Shingwedzi River	96	4348	2	0	4	6
December 2003	Shingwedzi River	96	4349	1	0	14	15
December 2003	Shingwedzi River	96	4350	2	0	6	10
December 2003	Shingwedzi River	96	4351	2	0	0	2
December 2003	Shingwedzi River	96	4352	1	0	0	1
December 2003	Shingwedzi River	96	4353	1	0	0	1
December 2003	Shingwedzi River	96	4354	3	0	4	7
December 2003	Shingwedzi River	96	4355	2	0	0	2
December 2003	Shingwedzi River	96	4356	2	0	9	11
December 2003	Shingwedzi River	96	4357	3	0	3	6
December 2003	Shingwedzi River	96	4358	1	0	1	2
December 2003	Shingwedzi River	96	4359	0	0	5	5
December 2003	Shingwedzi River	96	4360	1	0	1	2
December 2003	Shingwedzi River	96	4361	1	0	0	1
December 2003	Shingwedzi River	96	4362	1	0	7	8
December 2003	Shingwedzi River	96	4363	2	0	1	3
December 2003	Shingwedzi River	96	4364	3	0	0	3
December 2003	Shingwedzi River	96	4365	3	0	7	10
December 2003	Shingwedzi River	96	4366	3	1	4	8
December 2003	Shingwedzi River	96	4367	1	0	3	4
December 2003	Shingwedzi River	96	4368	2	0	10	12
December 2003	Shingwedzi River	96	4369	2	0	2	4
December 2003	Shingwedzi River	96	4370	2	0	5	7
December 2003	Shingwedzi River	96	4371	1	0	0	1
December 2003	Shingwedzi River	96	4372	0	0	18	18
December 2003	Shingwedzi River	96	4373	1	0	0	1
December 2003	Shingwedzi River	96	4374	3	0	1	4
December 2003	Shingwedzi River	96	4375	2	0	1	3
December 2003	Shingwedzi River	96	4376	1	0	0	1
December 2003	Shingwedzi River	96	4377	1	0	0	1
December 2003	Shingwedzi River	96	4378	1	0	1	2
December 2003	Shingwedzi River	96	4379	2	0	10	12
December 2003	Shingwedzi River	96	4380	0			

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	96	4411	0	0	4	4
December 2003	Shingwedzi River	96	4412	5	0	0	5
December 2003	Shingwedzi River	96	4413	3	0	0	3
December 2003	Shingwedzi River	96	4414	4	0	0	4
December 2003	Shingwedzi River	96	4415	4	0	1	5
December 2003	Shingwedzi River	96	4416	5	0	0	5
December 2003	Shingwedzi River	96	4417	0	0	9	9
December 2003	Shingwedzi River	96	4418	3	0	1	4
December 2003	Shingwedzi River	96	4419	3	0	0	3
December 2003	Shingwedzi River	96	4420	2	0	6	8
December 2003	Shingwedzi River	96	4421	1	0	10	11
December 2003	Shingwedzi River	96	4422	2	0	3	5
December 2003	Shingwedzi River	96	4423	6	0	0	6
December 2003	Shingwedzi River	96	4424	4	0	0	4
December 2003	Shingwedzi River	96	4425	11	0	3	14
December 2003	Shingwedzi River	96	4426	1	0	3	4
December 2003	Shingwedzi River	96	4427	5	0	0	5
December 2003	Shingwedzi River	96	4428	3	0	1	4
December 2003	Shingwedzi River	96	4429	0	0	4	4
December 2003	Shingwedzi River	96	4430	2	0	0	2
December 2003	Shingwedzi River	96	4431	4	0	0	4
December 2003	Shingwedzi River	96	4432	2	0	1	3
December 2003	Shingwedzi River	96	4433	5	0	8	13
December 2003	Shingwedzi River	96	4434	2	0	0	2
December 2003	Shingwedzi River	96	4435	2	0	5	7
December 2003	Shingwedzi River	96	4436	3	0	0	3
December 2003	Shingwedzi River	96	4437	5	0	8	13
December 2003	Shingwedzi River	96	4438	3	0	10	13
December 2003	Shingwedzi River	96	4439	6	0	0	6
December 2003	Shingwedzi River	96	4440	2	0	2	4
December 2003	Shingwedzi River	96	4441	3	0	6	9
December 2003	Shingwedzi River	96	4442	4	0	1	5
December 2003	Shingwedzi River	96	4443	4	0	2	6
December 2003	Shingwedzi River	96	4444	1	0	3	4
December 2003	Shingwedzi River	96	4445	5	0	0	5
December 2003	Shingwedzi River	96	4446	5	0	0	5
December 2003	Shingwedzi River	96	4447	2	0	2	4
December 2003	Shingwedzi River	96	4448	1	0	0	1
December 2003	Shingwedzi River	96	4449	2	0	3	5
December 2003	Shingwedzi River	96	4450	0	0	12	12
December 2003	Shingwedzi River	96	4451	1	0	2	3
December 2003	Shingwedzi River	96	4452	2	0	0	2
December 2003	Shingwedzi River	96	4453	2	0	5	7
December 2003	Shingwedzi River	96	4454	3	0	3	6
December 2003	Shingwedzi River	96	4455	5	0	15	20
December 2003	Shingwedzi River	96	4456	1	0	2	3
December 2003	Shingwedzi River	96	4457	1	0	0	1
December 2003	Shingwedzi River	96	4458	3	0	0	3
December 2003	Shingwedzi River	96	4459	5	0	4	9
December 2003	Shingwedzi River	96	4460	5	0	1	6
December 2003	Shingwedzi River	96	4461	6	0	0	6
December 2003	Shingwedzi River	96	4462	3	0	0	3
December 2003	Shingwedzi River	96	4463	3	0	1	4
December 2003	Shingwedzi River	96	4464	1	0	10	11
December 2003	Shingwedzi River	96	4465	2	0	2	4
December 2003	Shingwedzi River	96	4466	1	0	0	1
December 2003	Shingwedzi River	96	4467	2	1	12	15
December 2003	Shingwedzi River	96	4468	2	0	0	2
December 2003	Shingwedzi River	96	4469	3	0	3	6
December 2003	Shingwedzi River	96	4470	1	0	17	18
December 2003	Shingwedzi River	96	4471	3	0	7	10
December 2003	Shingwedzi River	96	4472	2	0	0	2
December 2003	Shingwedzi River	97	4473	2	0	0	2
December 2003	Shingwedzi River	97	4474	4	0	1	5
December 2003	Shingwedzi River	97	4475	7	0	1	8
December 2003	Shingwedzi River	97	4476	1	0	10	11
December 2003	Shingwedzi River	97	4477	1	0	2	3
December 2003	Shingwedzi River	97	4478	1	0	9	10
December 2003	Shingwedzi River	97	4479	2	0	1	3
December 2003	Shingwedzi River	97	4480	1	0	10	11

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	97	4481	1	0	14	15
December 2003	Shingwedzi River	97	4482	1	0	12	13
December 2003	Shingwedzi River	97	4483	2	0	0	2
December 2003	Shingwedzi River	97	4484	3	0	3	6
December 2003	Shingwedzi River	97	4485	0	0	20	20
December 2003	Shingwedzi River	97	4486	1	0	4	5
December 2003	Shingwedzi River	97	4487	1	0	13	14
December 2003	Shingwedzi River	97	4488	9	0	1	10
December 2003	Shingwedzi River	97	4489	0	0	7	7
December 2003	Shingwedzi River	97	4490	5	0	0	5
December 2003	Shingwedzi River	97	4491	3	0	1	4
December 2003	Shingwedzi River	97	4492	1	0	5	6
December 2003	Shingwedzi River	97	4493	2	0	0	2
December 2003	Shingwedzi River	97	4494	3	0	2	5
December 2003	Shingwedzi River	97	4495	3	0	0	3
December 2003	Shingwedzi River	97	4496	2	1	1	4
December 2003	Shingwedzi River	97	4497	3	0	5	8
December 2003	Shingwedzi River	97	4498	2	0	0	2
December 2003	Shingwedzi River	97	4499	5	0	8	13
December 2003	Shingwedzi River	97	4500	2	0	13	15
December 2003	Shingwedzi River	97	4501	1	0	3	4
December 2003	Shingwedzi River	97	4502	2	0	8	10
December 2003	Shingwedzi River	97	4503	0	1	13	14
December 2003	Shingwedzi River	97	4504	1	0	16	17
December 2003	Shingwedzi River	97	4505	1	0	3	4
December 2003	Shingwedzi River	97	4506	1	0	0	1
December 2003	Shingwedzi River	97	4507	1	0	10	11
December 2003	Shingwedzi River	97	4508	2	0	0	2
December 2003	Shingwedzi River	97	4509	2	0	0	2
December 2003	Shingwedzi River	97	4510	0	0	12	12
December 2003	Shingwedzi River	97	4511	2	0	4	6
December 2003	Shingwedzi River	97	4512	2	0	0	2
December 2003	Shingwedzi River	97	4513	1	0	0	1
December 2003	Shingwedzi River	97	4514	1	0	0	1
December 2003	Shingwedzi River	97	4515	3	0	4	7
December 2003	Shingwedzi River	97	4516	1	0	3	4
December 2003	Shingwedzi River	97	4517	3	0	0	3
December 2003	Shingwedzi River	97	4518	0	0	8	8
December 2003	Shingwedzi River	97	4519	2	0	0	2
December 2003	Shingwedzi River	97	4520	2	0	0	2
December 2003	Shingwedzi River	97	4521	2	0	0	2
December 2003	Shingwedzi River	97	4522	3	0	1	4
December 2003	Shingwedzi River	97	4523	3	0	2	5
December 2003	Shingwedzi River	97	4524	1	0	11	12
December 2003	Shingwedzi River	97	4525	2	0	0	2
December 2003	Shingwedzi River	97	4526	3	0	0	3
December 2003	Shingwedzi River	97	4527	0	0	5	5
December 2003	Shingwedzi River	97	4528	1	0	2	3
December 2003	Shingwedzi River	97	4529	1	0	1	2
December 2003	Shingwedzi River	97	4530	4	0	0	4
December 2003	Shingwedzi River	97	4531	1	0	0	1
December 2003	Shingwedzi River	97	4532	0	0	2	2
December 2003	Shingwedzi River	97	4533	4	0	1	5
December 2003	Shingwedzi River	97	4534	1	0	1	2
December 2003	Shingwedzi River	97	4535	3	0	0	3
December 2003	Shingwedzi River	97	4536	1	0	2	3
December 2003	Shingwedzi River	97	4537	2	0	0	2
December 2003	Shingwedzi River	97	4538	1	0	0	1
December 2003	Shingwedzi River	97	4539	5	0	0	5
December 2003	Shingwedzi River	97	4540	2	0	0	2
December 2003	Shingwedzi River	97	4541	1	0	2	3
December 2003	Shingwedzi River	97	4542	2	0	0	2
December 2003	Shingwedzi River	97	4543	1	0	1	2
December 2003	Shingwedzi River	97	4544	0	0	9	9
December 2003	Shingwedzi River	97	4545	2	0	0	2
December 2003	Shingwedzi River	97	4546	3	0	3	6
December 2003	Shingwedzi River	97	4547	1	0	14	15
December 2003	Shingwedzi River	97	4548	0	0	7	7
December 2003	Shingwedzi River	97	4549	0	0	7	7
December 2003	Shingwedzi River	97	4550	1	0	7	8

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	97	4551	1	0	1	2
December 2003	Shingwedzi River	97	4552	1	0	0	1
December 2003	Shingwedzi River	97	4553	0	0	4	4
December 2003	Shingwedzi River	97	4554	1	0	2	3
December 2003	Shingwedzi River	97	4555	3	0	4	7
December 2003	Shingwedzi River	97	4556	1	0	2	3
December 2003	Shingwedzi River	97	4557	2	0	4	6
December 2003	Shingwedzi River	97	4558	1	0	0	1
December 2003	Shingwedzi River	97	4559	1	0	1	2
December 2003	Shingwedzi River	97	4560	1	0	0	1
December 2003	Shingwedzi River	97	4561	1	0	0	1
December 2003	Shingwedzi River	97	4562	0	0	1	1
December 2003	Shingwedzi River	97	4563	2	0	1	3
December 2003	Shingwedzi River	97	4564	2	0	0	2
December 2003	Shingwedzi River	96	4565	4	0	0	4
December 2003	Shingwedzi River	96	4566	0	0	21	21
December 2003	Shingwedzi River	96	4567	1	0	0	1
December 2003	Shingwedzi River	96	4568	3	0	0	3
December 2003	Shingwedzi River	96	4569	2	0	1	3
December 2003	Shingwedzi River	96	4570	2	0	12	14
December 2003	Shingwedzi River	96	4571	4	0	0	4
December 2003	Shingwedzi River	96	4572	2	0	2	4
December 2003	Shingwedzi River	96	4573	6	0	6	12
December 2003	Shingwedzi River	96	4574	2	0	0	2
December 2003	Shingwedzi River	96	4575	4	0	0	4
December 2003	Shingwedzi River	96	4576	1	0	1	2
December 2003	Shingwedzi River	96	4577	4	0	1	5
December 2003	Shingwedzi River	96	4578	2	0	1	3
December 2003	Shingwedzi River	96	4579	2	0	0	2
December 2003	Shingwedzi River	96	4580	2	0	0	2
December 2003	Shingwedzi River	96	4581	4	0	7	11
December 2003	Shingwedzi River	96	4582	2	0	2	4
December 2003	Shingwedzi River	96	4583	3	0	0	3
December 2003	Shingwedzi River	96	4584	2	0	0	2
December 2003	Shingwedzi River	96	4585	2	0	0	2
December 2003	Shingwedzi River	96	4586	6	0	2	8
December 2003	Shingwedzi River	96	4587	2	0	0	2
December 2003	Shingwedzi River	96	4588	2	0	0	2
December 2003	Shingwedzi River	96	4589	8	0	0	8
December 2003	Shingwedzi River	96	4590	1</			

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Shingwedzi River	103	5881	1	0	8	9
December 2003	Shingwedzi River	103	5882	2	0	0	2
December 2003	Shingwedzi River	103	5883	5	0	7	12
December 2003	Shingwedzi River	103	5884	0	0	3	3
December 2003	Limpopo River	104	5885	0	2	3	5
December 2003	Limpopo River	104	5886	0	0	5	5
December 2003	Limpopo River	104	5887	0	0	3	3
December 2003	Limpopo River	104	5888	0	0	8	8
December 2003	Limpopo River	104	5889	0	0	3	3
December 2003	Limpopo River	104	5890	0	0	1	1
December 2003	Limpopo River	104	5891	0	0	2	2
December 2003	Limpopo River	104	5892	0	0	6	6
December 2003	Limpopo River	104	5893	0	0	2	2
December 2003	Limpopo River	104	5894	0	0	4	4
December 2003	Limpopo River	104	5895	0	3	0	3
December 2003	Limpopo River	104	5896	0	0	3	3
December 2003	Limpopo River	104	5897	0	1	2	3
December 2003	Limpopo River	104	5898	0	1	1	2
December 2003	Limpopo River	104	5899	0	0	11	11
December 2003	Limpopo River	104	5900	0	0	11	11
December 2003	Limpopo River	104	5901	0	0	8	8
December 2003	Limpopo River	104	5902	0	0	4	4
December 2003	Limpopo River	104	5903	0	0	4	4
December 2003	Limpopo River	104	5904	0	0	8	8
December 2003	Limpopo River	104	5905	1	0	0	1
December 2003	Limpopo River	104	5906	0	1	1	2
December 2003	Limpopo River	104	5907	0	0	4	4
December 2003	Limpopo River	104	5908	0	0	7	7
December 2003	Limpopo River	104	5909	0	0	4	4
December 2003	Limpopo River	104	5910	1	0	1	2
December 2003	Limpopo River	104	5911	0	0	4	4
December 2003	Limpopo River	104	5912	0	2	4	6
December 2003	Limpopo River	104	5913	1	0	1	2
December 2003	Limpopo River	104	5914	1	0	0	1
December 2003	Limpopo River	104	5915	0	0	2	2
December 2003	Limpopo River	104	5916	0	2	0	2
December 2003	Limpopo River	104	5917	0	0	4	4
December 2003	Limpopo River	104	5918	0	0	3	3
December 2003	Limpopo River	104	5919	0	0	1	1
December 2003	Limpopo River	104	5920	0	0	3	3
December 2003	Limpopo River	104	5921	0	0	3	3
December 2003	Limpopo River	104	5922	1	0	0	1
December 2003	Limpopo River	104	5923	1	0	0	1
December 2003	Limpopo River	104	5924	1	0	0	1
December 2003	Limpopo River	104	5925	0	0	7	7
December 2003	Limpopo River	104	5926	0	1	6	7
December 2003	Limpopo River	104	5927	0	0	4	4
December 2003	Limpopo River	104	5928	0	1	5	6
December 2003	Limpopo River	104	5929	0	0	5	5
December 2003	Limpopo River	104	5930	1	0	0	1
December 2003	Limpopo River	104	5931	0	2	3	5
December 2003	Limpopo River	104	5932	0	1	5	6
December 2003	Limpopo River	104	5933	1	0	0	1
December 2003	Limpopo River	104	5934	0	1	2	3
December 2003	Limpopo River	104	5935	0	1	1	2
December 2003	Limpopo River	104	5936	0	0	5	5
December 2003	Limpopo River	104	5937	0	0	3	3
December 2003	Limpopo River	104	5938	0	1	0	1
December 2003	Limpopo River	104	5939	1	0	1	2
December 2003	Limpopo River	104	5940	0	0	6	6
December 2003	Limpopo River	104	5941	1	0	0	1
December 2003	Limpopo River	104	5942	1	0	0	1
December 2003	Limpopo River	104	5943	1	0	0	1
December 2003	Limpopo River	104	5944	1	0	0	1
December 2003	Limpopo River	104	5945	0	0	2	2
December 2003	Limpopo River	104	5946	0	0	4	4
December 2003	Limpopo River	104	5947	0	0	2	2
December 2003	Limpopo River	104	5948	0	0	3	3
December 2003	Limpopo River	104	5949	0	0	3	3
December 2003	Limpopo River	104	5950	0	0	3	3

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Limpopo River	104	5951	0	0	3	3
December 2003	Limpopo River	104	5952	1	0	0	1
December 2003	Limpopo River	104	5953	1	0	0	1
December 2003	Limpopo River	104	5954	0	0	8	8
December 2003	Limpopo River	104	5955	1	0	0	1
December 2003	Limpopo River	104	5956	1	0	0	1
December 2003	Limpopo River	104	5957	0	0	2	2
December 2003	Limpopo River	104	5958	1	0	0	1
December 2003	Limpopo River	104	5959	1	0	0	1
December 2003	Limpopo River	104	5960	0	0	2	2
December 2003	Limpopo River	104	5961	1	0	0	1
December 2003	Nelspruit	105	5962	0	0	4	4
December 2003	Nelspruit	105	5963	0	0	9	9
December 2003	Nelspruit	105	5964	0	0	4	4
December 2003	Nelspruit	105	5965	0	0	1	1
December 2003	Nelspruit	105	5966	0	1	2	3
December 2003	Nelspruit	105	5967	0	2	1	3
December 2003	Nelspruit	105	5968	0	0	5	5
December 2003	Nelspruit	105	5969	0	0	7	7
December 2003	Nelspruit	105	5970	0	2	10	12
December 2003	Nelspruit	105	5971	0	1	7	8
December 2003	Nelspruit	105	5972	0	0	2	2
December 2003	Nelspruit	105	5973	1	0	0	1
December 2003	Nelspruit	105	5974	0	3	0	3
December 2003	Nelspruit	105	5975	0	0	2	2
December 2003	Nelspruit	105	5976	0	1	2	3
December 2003	Nelspruit	105	5977	0	0	2	2
December 2003	Nelspruit	105	5978	1	0	2	3
December 2003	Nelspruit	105	5979	0	0	2	2
December 2003	Nelspruit	105	5980	0	0	1	1
December 2003	Nelspruit	105	5981	0	0	6	6
December 2003	Nelspruit	105	5982	0	0	3	3
December 2003	Nelspruit	105	5983	0	0	2	2
December 2003	Nelspruit	105	5984	0	1	4	5
December 2003	Nelspruit	105	5985	0	0	9	9
December 2003	Nelspruit	105	5986	0	1	5	6
December 2003	Nelspruit	105	5987	0	1	3	4
December 2003	Nelspruit	105	5988	1	1	8	10
December 2003	Nelspruit	105	5989	0	0	7	7
December 2003	Nelspruit	105	5990	0	2	0	2
December 2003	Nelspruit	105	5991	0	1	0	1
December 2003	Nelspruit	105	5992	0	0	3	3
December 2003	Nelspruit	105	5993	0	1	7	8
December 2003	Nelspruit	105	5994	0	2	6	8
December 2003	Nelspruit	105	5995	1	1	2	4
December 2003	Nelspruit	105	5996	0	1	0	1
December 2003	Nelspruit	105	5997	0	1	3	4
December 2003	Nelspruit	105	5998	1	0	0	1
December 2003	Nelspruit	105	5999	0	0	1	1
December 2003	Nelspruit	105	6000	0	0	1	1
December 2003	Nelspruit	105	6001	0	0	6	6
December 2003	Nelspruit	105	6002	0	1	5	6
December 2003	Nelspruit	105	6003	0	3	0	3
December 2003	Nelspruit	105	6004	0	1	1	2
December 2003	Nelspruit	105	6005	1	0	0	1
December 2003	Nelspruit	105	6006	1	0	0	1
December 2003	Nelspruit	105	6007	1	0	0	1
December 2003	Nelspruit	105	6008	0	0	1	1
December 2003	Nelspruit	105	6009	0	1	3	4
December 2003	Nelspruit	105	6010	0	1	5	6
December 2003	Nelspruit	105	6011	0	0	1	1
December 2003	Nelspruit	105	6012	0	2	2	4
December 2003	Nelspruit	105	6013	0	1	1	2
December 2003	Nelspruit	105	6014	1	1	0	2
December 2003	Nelspruit	105	6015	1	0	0	1
December 2003	Nelspruit	106	6016	1	0	1	2
December 2003	Nelspruit	106	6017	1	3	0	4
December 2003	Nelspruit	106	6018	0	4	0	4
December 2003	Nelspruit	106	6019	0	7	0	7
December 2003	Nelspruit	106	6020	0	1	0	1

Date	Location	Tree	Flg	Prim. Sycophiles			Total No. Wasps
				CA	CG	SS	
December 2003	Nelspruit	106	6021	0	4	2	6
December 2003	Nelspruit	106	6022	0	3	2	5
December 2003	Nelspruit	106	6023	0	6	1	7
December 2003	Nelspruit	106	6024	1	2	2	5
December 2003	Nelspruit	106	6025	0	18	5	23
December 2003	Nelspruit	106	6026	0	6	3	9
December 2003	Nelspruit	106	6027	0	5	0	5
December 2003	Nelspruit	106	6028	0	10	3	13
December 2003	Nelspruit	106	6029	1	0	0	1
December 2003	Nelspruit	106	6030	1	0	0	1
February 2004	Timbavati River	107	6031	0	0	1	1
February 2004	Timbavati River	107	6032	1	0	0	1
February 2004	Timbavati River	107	6033	2	0	0	2
February 2004	Timbavati River	107	6034	1	0	0	1
February 2004	Timbavati River	107	6035	2	0	0	2
February 2004	Timbavati River	107	6036	3	0	0	3
February 2004	Timbavati River	107	6037	5	0	0	5
February 2004	Timbavati River	107	6038	0	0	3	3
February 2004	Timbavati River	107	6039	2	0	0	2
February 2004	Timbavati River	107	6040	2	0	0	2
February 2004	Timbavati River	107	6041	2	0	0	2
February 2004	Timbavati River	107	6042	2	0	0	2
February 2004	Timbavati River	107	6043	1	0	0	1
February 2004	Timbavati River	107	6044	1	0	0	1
February 2004	Timbavati River	107	6045	1	0	0	1
February 2004	Timbavati River	107	6046	1	0	2	3
February 2004	Timbavati River	107	6047	2	0	0	2
February 2004	Timbavati River	107	6048	3	0	0	3
February 2004	Timbavati River	107	6049	1	0	0	1
February 2004	Timbavati River	107	6050	0	0	2	2
February 2004	Timbavati River	107	6051	3	0	0	3
February 2004	Timbavati River	107	6052	2	0	0	2
February 2004	Timbavati River	107	6053	2	0	0	2
February 2004	Timbavati River	107	6054	4	0	0	4
February 2004	Timbavati River	107	6055	2	0	0	2
February 2004	Timbavati River	107	6056	2	0	0	2
February 2004	Timbavati River	107	6057	1	0	0	1
February 2004	Timbavati River	107	6058	1	0	0	1
February 2004	Timbavati River	107	6059	1	0	0	1
February 2004	Timbavati River	107	6060	2	0	0	2
February 2004	Timbavati River	107	6061	1	0	0	1
February 2004	Timbavati River	107	6062	1	0	0	1

SUPPLEMENT D

TABLE 4: Numbers of female offspring of primary and secondary sycophiles in 257 mature figs as well as time of female emergence.

Date	Location	Tree	Fig	Time	Prim. Sycophiles			Sec. Sycophiles	Total
					C.a.	C.g.	S.s.		
December 2003	Nelspruit	1	1	-	0	130	0	51	181
December 2003	Nelspruit	1	2	-	0	0	128	6	132
December 2003	Nelspruit	1	3	-	0	0	307	59	366
December 2003	Nelspruit	1	4	-	0	22	0	40	62
December 2003	Nelspruit	1	5	-	0	29	153	26	208
December 2003	Nelspruit	1	6	-	0	91	137	57	285
December 2003	Nelspruit	1	7	-	0	190	37	15	242
December 2003	Nelspruit	1	8	-	0	36	63	8	107
December 2003	Nelspruit	1	9	-	0	116	319	16	451
December 2003	Nelspruit	1	10	-	0	0	163	0	163
December 2003	Nelspruit	1	11	-	0	56	110	67	233
December 2003	Nelspruit	1	12	-	0	85	497	36	618
December 2003	Nelspruit	1	13	-	0	58	413	25	496
December 2003	Nelspruit	1	14	-	0	247	84	55	386
December 2003	Nelspruit	1	15	-	26	0	37	42	105
December 2003	Nelspruit	1	16	-	53	0	99	4	156
December 2003	Nelspruit	1	17	-	0	0	544	13	557
December 2003	Nelspruit	1	18	-	0	34	418	43	495
December 2003	Nelspruit	1	19	-	0	55	0	90	145
December 2003	Nelspruit	1	20	-	0	112	241	48	401
February 2004	Timbavati River	2	21	-	2	0	0	0	2
February 2004	Timbavati River	2	22	-	1	0	1	0	2
February 2004	Timbavati River	2	23	-	1	0	1	0	2
February 2004	Timbavati River	2	24	-	1	0	0	0	1
February 2004	Timbavati River	2	25	-	0	88	135	1	224
February 2004	Timbavati River	2	26	-	1	54	2	1	58
February 2004	Timbavati River	3	27	-	0	0	295	8	303
February 2004	Timbavati River	3	28	-	0	0	269	21	290
February 2004	Timbavati River	3	29	-	0	0	7	0	7
February 2004	Timbavati River	3	30	-	0	0	0	1	1
February 2004	Timbavati River	3	31	-	0	0	10	9	19
February 2004	Timbavati River	3	32	-	0	0	275	32	307
February 2004	Timbavati River	3	33	-	0	0	152	1	153
February 2004	Timbavati River	3	34	-	0	0	127	0	127
February 2004	Timbavati River	3	35	-	0	0	121	19	140
February 2004	Timbavati River	3	36	-	0	0	360	2	362
February 2004	Timbavati River	3	37	-	0	0	387	34	421
February 2004	Timbavati River	3	38	-	0	0	132	5	137
February 2004	Timbavati River	3	39	-	0	0	176	6	182
February 2004	Timbavati River	3	40	-	0	0	362	33	395
February 2004	Timbavati River	3	41	-	0	0	1	0	1
February 2004	Timbavati River	3	42	-	0	0	1	1	2
February 2004	Timbavati River	3	43	-	0	0	5	0	5
February 2004	Timbavati River	3	44	-	0	0	338	10	348
February 2004	Timbavati River	3	45	-	0	0	83	1	84
February 2004	Timbavati River	3	46	-	0	0	392	36	428
February 2004	Timbavati River	3	47	-	0	0	247	7	254
February 2004	Timbavati River	3	48	-	0	0	4	0	4
February 2004	Timbavati River	3	49	-	4	0	1	0	5
February 2004	Timbavati River	3	50	-	109	0	0	11	120
February 2004	Timbavati River	3	51	-	0	0	537	19	556
February 2004	Timbavati River	3	52	-	0	0	1	0	1
February 2004	Timbavati River	3	53	-	0	0	8	0	8
February 2004	Timbavati River	4	54	-	2	0	52	0	54
February 2004	Olifants River	5	55	15:00	0	0	202	0	202
February 2004	Olifants River	5	56	-	0	80	0	2	82
February 2004	Olifants River	5	57	-	0	6	28	1	35
February 2004	Olifants River	5	58	8:30	0	111	0	12	123
February 2004	Olifants River	5	59	5:00	1	1	128	15	145
February 2004	Olifants River	5	60	-	0	0	1	0	1
February 2004	Olifants River	5	61	22:30	0	0	50	4	54
February 2004	Olifants River	5	62	14:00	0	6	32	1	39
February 2004	Olifants River	5	63	-	0	0	17	1	18
February 2004	Olifants River	5	64	-	0	0	103	0	103
February 2004	Olifants River	6	65	20:30	80	0	1	4	85
February 2004	Olifants River	6	66	19:00	72	0	1	7	80
February 2004	Olifants River	6	67	20:00	10	0	138	6	154
February 2004	Olifants River	6	68	-	46	0	0	0	46
February 2004	Olifants River	6	69	19:30	27	0	74	9	110
February 2004	Olifants River	6	70	19:30	15	0	129	0	144
February 2004	Olifants River	6	71	19:00	43	0	28	5	76
February 2004	Olifants River	6	72	-	1	0	0	0	1
February 2004	Olifants River	6	73	-	0	0	143	2	145
February 2004	Olifants River	6	74	19:00	45	0	0	1	46
February 2004	Olifants River	7	75	-	3	60	0	20	83
February 2004	Olifants River	7	76	11:00	24	0	59	1	84
February 2004	Olifants River	7	77	7:00	0	24	0	0	24
February 2004	Olifants River	7	78	7:30	0	97	0	3	100
February 2004	Olifants River	7	79	-	0	0	3	0	3
February 2004	Olifants River	7	80	2:00	9	0	38	13	60
February 2004	Olifants River	7	81	21:30	111	0	39	2	152
February 2004	Olifants River	7	82	0:30	32	0	69	9	110
February 2004	Olifants River	7	83	19:00	0	0	15	1	16
February 2004	Olifants River	7	84	-	0	0	33	0	33
February 2004	Olifants River	7	85	-	139	81	0	0	220
February 2004	Olifants River	7	86	13:00	0	0	72	13	85
February 2004	Olifants River	7	87	-	0	0	176	0	176
February 2004	Olifants River	7	88	18:30	0	0	152	10	162
February 2004	Olifants River	7	89	-	0	0	54	0	54
February 2004	Olifants River	7	90	-	0	1	12	0	13
February 2004	Olifants River	7	91	-	0	75	0	0	75
February 2004	Olifants River	7	92	0:30	0	70	2	5	77
February 2004	Olifants River	7	93	-	0	0	2	9	11
February 2004	Olifants River	7	94	-	0	0	1	0	1
February 2004	Olifants River	7	95	-	56	16	0	0	72
February 2004	Olifants River	7	96	-	0	0	0	1	1
February 2004	Olifants River	7	97	-	1	0	0	2	3
February 2004	Olifants River	7	98	-	35	0	0	5	40
February 2004	Olifants River	7	99	-	1	0	0	1	2
February 2004	Olifants River	7	100	-	0	0	3	6	9
February 2004	Olifants River	7	101	-	1	0	14	3	18
February 2004	Olifants River	7	102	-	0	0	0	1	1
February 2004	Olifants River	7	103	-	0	12	39	15	66
February 2004	Olifants River	7	104	-	23	0	0	2	25
February 2004	Olifants River	7	105	-	25	0	0	4	29
February 2004	Olifants River	7	106	-	0	0	29	13	42
February 2004	Olifants River	7	107	-	0	0	0	1	1
February 2004	Olifants River	7	108	-	0	0	48	4	50
February 2004	Olifants River	8	109	-	27	0	39	13	79
February 2004	Olifants River	8	110	20:30	76	0	0	1	77
February 2004	Olifants River	8	111	-	1	0	0	3	4
February 2004	Olifants River	8	112	5:00	0	0	3	0	3
February 2004	Olifants River	8	113	21:30	93	0	4	20	117
February 2004	Olifants River	8	114	-	0	1	0	4	5
February 2004	Olifants River	8	115	21:00	61	0	0	8	69
February 2004	Olifants River	8	116	9:00	192	0	0	6	198
February 2004	Olifants River	8	117	19:30	133	0	0	6	139
February 2004	Olifants River	8	118	19:00	45	0	0	17	62
February 2004	Olifants River	8	119	21:30	64	0	0	1	65
February 2004	Olifants River	8	120	19:00	75	0	0	20	95
February 2004	Olifants River	8	121	19:00	70	0	0	2	72
February 2004	Olifants River	8	122	20:00	47	0	0	1	48
February 2004	Olifants River	9	123	-	5	0	567	0	572
February 2004	Olifants River	9	124	17:00	42	0	199	25	266
February 2004	Olifants River	9	125	19:30	144	0	0	5	149
February 2004	Olifants River	9	126	5:00	66	0	275	25	366
February 2004	Olifants River	9	127	2:30	47	1	398	4	450
February 2004	Olifants River	9	128	19:00	99	0	0	39	138
February 2004	Olifants River	10	129	17:30	0	0	6	2	10
February 2004	Olifants River	10	130	17:30	0	0	54	4	58
February 2004	Olifants River	10	131	19:00	5	0	0	1	6
February 2004	Olifants River	10	132	3:30	0	68	89	16	173
February 2004	Olifants River	10	133	22:30	0	1	2	14	17
February 2004	Olifants Camp	11	134	13:00	0	81	0	15	96
February 2004	Olifants Camp	11	135	19:00	59	0	0	5	84
February 2004	Olifants Camp	12	136	13:30	0	0	178	0	178
February 2004	Olifants Camp	12	137	13:30	0	0	38	0	38
February 2004	Olifants Camp	12	138	7:30	0	4	309	6	319
February 2004	Olifants Camp	12	139	10:30	0	126	178	1	305
February 2004	Olifants Camp	12	140	0:30	0	0	354	0	354

Date	Location	Tree	Fig	Time	Prim. Sycophiles			Sec.	Total
					C.a.	C.g.	S.s.	Sycophiles	
February 2004	Olifants Camp	12	141	19:30	0	0	416	1	417
February 2004	Olifants Camp	12	142	15:00	0	0	341	15	356
February 2004	Olifants Camp	12	143	24:00	0	0	276	3	279
February 2004	Olifants Camp	12	144	-	1	0	339	9	349
February 2004	Olifants Camp	12	145	24:00	0	0	445	0	445
February 2004	Olifants Camp	12	146	8:00	0	0	374	2	376
February 2004	Olifants Camp	12	147	15:00	0	0	363	0	363
February 2004	Olifants Camp	12	148	-	129	19	279	27	454
February 2004	Olifants Camp	12	149	8:30	0	0	2	2	4
February 2004	Olifants Camp	12	150	14:00	0	0	411	6	417
February 2004	Olifants Camp	12	151	13:00	0	54	187	0	241
February 2004	Olifants Camp	12	152	19:30	0	0	249	3	252
February 2004	Olifants Camp	12	153	19:00	0	0	98	30	128
February 2004	Olifants Camp	12	154	23:00	31	0	0	0	31
February 2004	Olifants Camp	12	155	16:30	0	0	20	2	22
February 2004	Olifants Camp	12	156	15:00	0	0	22	1	23
February 2004	Olifants Camp	12	157	22:30	0	0	33	0	33
February 2004	Olifants Camp	12	158	18:00	0	0	23	1	24
February 2004	Olifants Camp	12	159	22:00	0	0	37	0	37
February 2004	Olifants Camp	12	160	24:00	37	0	41	0	78
February 2004	Olifants Camp	12	161	21:00	0	0	1	0	1
February 2004	Olifants Camp	12	162	21:00	0	1	158	0	159
February 2004	Olifants Camp	12	163	17:00	0	0	164	0	164
February 2004	Olifants Camp	12	164	1:30	0	0	206	0	206
February 2004	Olifants Camp	12	165	15:00	26	0	128	11	165
February 2004	Olifants Camp	12	166	0:30	0	0	56	1	57
February 2004	Olifants Camp	12	167	21:00	0	0	223	1	224
February 2004	Olifants Camp	12	168	1:00	0	5	0	0	5
February 2004	Olifants Camp	12	169	3:00	0	2	0	0	2
February 2004	Olifants Camp	12	170	2:30	0	0	196	2	198
February 2004	Olifants Camp	12	171	11:30	0	0	186	0	186
February 2004	Olifants Camp	12	172	9:00	0	162	0	0	162
February 2004	Olifants Camp	12	173	19:30	86	0	102	14	202
February 2004	Olifants Camp	12	174	2:30	7	14	8	6	35
February 2004	Olifants Camp	12	175	9:00	2	0	34	1	37
February 2004	Olifants Camp	12	176	5:00	15	1	1	1	18
February 2004	Olifants Camp	12	177	0:30	0	183	0	9	192
February 2004	Olifants Camp	12	178	-	183	0	0	4	187
February 2004	Olifants Camp	12	179	5:00	71	185	10	6	272
February 2004	Olifants Camp	12	180	9:00	127	5	0	2	134
February 2004	Olifants Camp	12	181	9:00	0	190	0	0	190
February 2004	Olifants Camp	12	182	16:30	0	0	348	0	348
February 2004	Olifants Camp	12	183	0:30	0	0	2	1	3
February 2004	Olifants Camp	12	184	8:30	0	65	0	1	66
February 2004	Olifants Camp	12	185	16:30	0	0	65	4	69
February 2004	Olifants Camp	12	186	20:00	0	0	133	18	151
February 2004	Olifants Camp	12	187	9:00	0	152	3	0	155
February 2004	Olifants Camp	12	188	20:00	0	0	281	8	289
February 2004	Olifants Camp	12	189	-	0	0	41	0	41
February 2004	Olifants Camp	12	190	-	0	0	8	1	7
February 2004	Olifants Camp	13	191	-	0	0	368	6	374
February 2004	Olifants Camp	13	192	0:30	0	0	192	24	216
February 2004	Olifants Camp	13	193	13:30	0	0	11	0	11
February 2004	Olifants Camp	13	194	6:00	0	0	130	4	134
February 2004	Olifants Camp	13	195	16:00	0	12	191	27	230
February 2004	Olifants Camp	13	196	21:30	0	0	14	6	20
February 2004	Olifants Camp	13	197	14:30	0	0	4	0	4
February 2004	Olifants Camp	13	198	-	0	0	1	0	1
February 2004	Olifants Camp	13	199	13:30	0	40	86	37	163
February 2004	Olifants Camp	13	200	-	0	14	60	25	99
February 2004	Olifants Camp	13	201	16:00	0	0	132	22	154
February 2004	Olifants Camp	13	202	24:00	0	0	206	14	220
February 2004	Olifants Camp	13	203	17:00	0	0	3	3	6
February 2004	Olifants Camp	13	204	5:30	0	6	117	18	141
February 2004	Olifants Camp	13	205	0:30	0	0	174	33	207
February 2004	Olifants Camp	13	206	-	0	82	0	0	82
February 2004	Olifants Camp	13	207	19:30	0	0	4	2	6
February 2004	Olifants Camp	13	208	22:30	0	70	2	10	82
February 2004	Olifants Camp	13	209	4:00	50	0	64	31	145
February 2004	Olifants Camp	13	210	0:30	0	0	53	1	54

Date	Location	Tree	Fig	Time	Prim. Sycophiles			Sec.	Total
					C.a.	C.g.	S.s.	Sycophiles	
February 2004	Olifants Camp	13	211	17:00	123	0	5	2	130
February 2004	Olifants Camp	13	212	-	0	0	158	0	158
February 2004	Olifants Camp	13	213	14:00	0	0	8	5	13
February 2004	Olifants Camp	13	214	14:00	0	0	26	5	31
February 2004	Olifants Camp	13	215	4:00	72	0	1	6	81
February 2004	Olifants Camp	13	216	4:00	1	0	0	0	1
February 2004	Olifants Camp	13	217	13:30	0	1	88	0	89
February 2004	Olifants Camp	13	218	1:30	80	0	0	26	106
February 2004	Olifants Camp	13	219	0:30	0	0	82	1	83
February 2004	Olifants Camp	13	220	1:00	0	0	24	1	25
February 2004	Olifants Camp	13	221	5:30	0	101	1	0	102
February 2004	Olifants Camp	13	222	19:30	0	0	113	14	127
February 2004	Olifants Camp	13	223	-	29	0	47	4	80
February 2004	Olifants Camp	13	224	-	0	0	78	2	80
February 2004	Olifants Camp	13	225	2:30	0	59	68	3	130
February 2004	Olifants Camp	13	226	1:00	0	0	129	0	129
February 2004	Olifants Camp	13	227	1:30	0	0	299	82	361
February 2004	Olifants Camp	13	228	-	0	0	56	11	67
February 2004	Olifants Camp	13	229	4:30	0	67	0	0	67
February 2004	Olifants Camp	13	230	22:00	0	0	113	34	147
February 2004	Olifants Camp	13	231	-	0	13	0	0	13
February 2004	Olifants Camp	13	232	19:30	64	0	45	9	118
February 2004	Olifants Camp	13	233	24:00	149	7	92	5	253
February 2004	Olifants Camp	13	234	21:00	79	0	76	7	162
February 2004	Olifants Camp	13	235	22:30	120	165	0	6	291
February 2004	Olifants Camp	13	236	4:30	3	70	0	30	103
February 2004	Olifants Camp	13	237	19:30	22	0	0	3	25
February 2004	Olifants Camp	13	238	19:00	100	1	33	8	142
February 2004	Olifants Camp	13	239	22:30	126	0	55	12	193
February 2004	Olifants Camp	13	240	19:00	168	5	1	7	181
February 2004	Olifants Camp	13	241	-	0	28	0	0	28
February 2004	Olifants Camp	13	242	-	0	0	33	0	33
February 2004	Olifants Camp	13	243	20:00	9	0	0	1	10
February 2004	Olifants Camp	13	244	4:30	174	0	0	4	178
February 2004	Olifants Camp	13	245	-	0	0	276	25	301
February 2004	Olifants Camp	13	246	7:00	113	0	235	84	412
February 2004	Olifants Camp	13	247	3:30	70	0	45	11	126
February 2004	Olifants Camp	13	248	-	126	0	0	13	139
February 2004	Olifants Camp	13	249	-	0	85	16	46	147
February 2004	Olifants Camp	13	250	-	98	0	0	23	119
February 2004	Olifants Camp	13	251	-	0	297	0	43	340
February 2004	Olifants Camp	13	252	-	187	0	0	19	206
February 2004	Olifants Camp	13	253	-	112	0	0	8	120
February 2004	Olifants Camp	13	254	-	60	89	0	25	174
February 2004	Olifants Camp	13	255	-	180	0	0	17	197
February 2004	Olifants Camp	13	256	-	71	0	0	56	127
February 2004	Olifants Camp	13	257	-	138	0	0	3	141
February 2004	Olifants Camp	13	258	-	79	0	0	57	136
February 2004	Olifants Camp	13	259	-	89	0	20	3	92
February 2004	Olifants Camp	13	260	-	36	20	0	35	91
February 2004	Olifants Camp	13	261	-	139	0	0	30	169

TABLE 5: Time of female emergence of primary sycophiles.

	Evening					Night					Morning					Afternoon			
	Time	C.a.	C.g.	S.s.		Time	C.a.	C.g.	S.s.		Time	C.a.	C.g.	S.s.		Time	C.a.	C.g.	S.s.
	18:00	0	0	1		0:00	0	0	3		6:00	0	0	2		12:00	0	0	0
	18:30	0	0	1		0:30	0	1	7		6:30	0	0	0		12:30	0	0	0
	19:00	7	0	2		1:00	0	1	2		7:00	0	1	0		13:00	0	1	1
	19:30	3	0	4		1:30	1	0	2		7:30	0	1	0		13:30	0	0	3
	20:00	2	0	2		2:00	0	0	0		8:00	0	0	0		14:00	0	0	3
	20:30	1	0	0		2:30	0	0	1		8:30	0	2	1		14:30	0	0	1
	21:00	1	0	2		3:00	0	1	0		9:00	1	2	0		15:00	0	0	4
	21:30	1	0	1		3:30	0	0	0		9:30	0	0	0		15:30	0	0	0
	22:00	0	0	2		4:00	1	0	0		10:00	0	0	0		16:00	0	0	1
	22:30	0	0	2		4:30	1	1	0		10:30	0	0	0		16:30	0	0	3
	23:00	1	0	0		5:00	0	0	1		11:00	0	0	0		17:00	0	0	2
	23:30	0	0	0		5:30	0	0	0		11:30	0	0	1		17:30	0	0	2

TABLE 6: Longevity (hours) of female offspring of primary sycophiles.

C.a.									C.g.	
7.0	9.0	9.0	10.0	12.0	15.0	16.0	17.0	18.0	6.0	8.0
9.0	9.0	9.0	10.0	13.0	15.5	16.0	17.0	21.5	6.0	8.5
9.0	9.0	9.0	10.0	13.0	15.5	16.0	17.0	26.5	7.0	8.5
9.0	9.0	9.0	10.0	13.5	15.5	16.5	17.5	27.5	8.0	8.5
9.0	9.0	9.0	10.0	14.0	15.5	16.5	17.5	28.0	8.0	9.0
9.0	9.0	9.0	10.0	14.5	16.0	16.5	18.0	31.5	8.0	9.0
9.0	9.0	9.0	10.0	15.0	16.0	16.5	18.0		8.0	9.0
9.0	9.0	10.0	10.0	15.0	16.0	16.5	18.0		8.0	21.5
9.0	9.0	10.0	10.0	15.0	16.0	17.0	18.0		8.0	22.5
9.0	9.0	10.0	12.0	15.0	16.0	17.0	18.0		8.0	

S.s.												
8.0	12.5	16.5	18.5	20.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	25.5
8.5	12.5	16.5	19.5	20.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
9.0	12.5	17.5	19.5	21.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
9.0	12.5	17.5	19.5	21.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
9.0	12.5	17.5	19.5	21.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
9.0	12.5	17.5	19.5	21.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
9.0	12.5	17.5	19.5	21.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
10.0	13.5	17.5	20.5	21.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
10.5	13.5	18.5	20.5	21.5	21.5	22.5	22.5	22.5	22.5	23.5	23.5	
11.5	15.5	18.5	20.5	21.5	22.5	22.5	22.5	22.5	22.5	23.5	23.5	