



TROPICANA GOLD PROJECT

Putative SRE Survey Report Addendum Phase 5 Additional Survey Results



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TROPICANA GOLD PROJECT

Putative Short-Range Endemic Survey Report Addendum

PHASE FIVE ADDITIONAL SURVEY RESULTS

Tropicana Joint Venture



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Table of Contents

EXECUTIVE SUMMARY	iii
1.0 BACKGROUND	1
2.0 RESULTS.....	1
2.1 Overview	1
2.2 Species list.....	1
3.0 DISCUSSION	2

EXECUTIVE SUMMARY

The Tropicana JV (TJV) is currently undertaking a pre-feasibility study on the viability of establishing the Tropicana Gold Project (TGP), which is centred on the Tropicana and Havana gold prospects. The proposed TGP is located approximately 330 km east north-east of Kalgoorlie, and 15 km west of the Plumridge Lakes Nature Reserve,

A conventional trapping programme was conducted at Tropicana Gold Project (TGP) over five months (five phases) between April and September in 2008. Taxonomic identifications of mygalomorph spiders collected in the twenty five pitfall sites during the last phase are presented in this report.

Ten species from seven genera and five families of mygalomorph spiders were collected during Phase 5 of the 2008 survey. All species presented in this report have been already recorded in the previous four phases and presented in the main SRE report. Nevertheless, further examination of the species *Aganippe* sp. 1, *Aganippe* sp. 8, *Aganippe* sp. 2 and *Aganippe* sp. 7 revealed that the first two species and the latter two species are synonymous. This reduced the initial eight species listed in the main SRE report to six. In addition, the two new genera of nemesiidae presented in the main SRE report have been re-examined and collapsed into a single genus. The new genus is expected to be published shortly under the name *Swolnpes darwinii* gen. nov. sp. nov., as presented in this report.

1.0 BACKGROUND

The Tropicana JV (TJV) is currently undertaking a pre-feasibility study on the viability of establishing the Tropicana Gold Project (TGP), which is centred on the Tropicana and Havana gold prospects. The proposed TGP is located approximately 330 km east north-east of Kalgoorlie, and 15 km west of the Plumridge Lakes Nature Reserve,

A conventional trapping programme was conducted at Tropicana Gold Project (TGP) over five months (five phases) between April and September in 2008. Taxonomic identifications of mygalomorph spiders collected in the twenty five pitfall sites during the last phase are presented in this report.

2.0 RESULTS

2.1 Overview

Ten species from seven genera and five families of mygalomorph spiders were collected during Phase 5 of the 2008 survey. All species presented below have been already collected and reported in the previous four phases presented in the main report.

2.2 Species list

The following taxonomic identifications were performed by Prof. Barbara Y. Main, the mygalomorph expert, at the University of Western Australia.

Actinopodidae (Simon, 1892)

Missulena insignis group A – Male (716-258b) Site 25

Missulena insignis group sp. B – Male (716-288b) Site 36

Barychelidae (Simon, 1982)

3 males sent to WAM/& RJ Raven Qld Museum; Site 34

Dipluridae (Simon, 1889)

Cethegus sp. Juveniles (716-271b, 716-332), sites 22, 29

Idiopidae (Simon, 1889)

Aganippe sp. 2 - Male (716-280b) site 34, (716-261b) site 37, (716-283b) site 35, (EE053) site 47

Aganippe sp. 5 - Male (716-281b) site 34, (716-282b) site 34, (EE0053) site 47

Aganippe sp. 7=2 - Female or immature (716-340B) site 43

Aganippe sp. 1=8 - Male (EE08: 0553) site 47

Nemesiidae (Simon, 1892)

Teyl sp. nov. "Tropicana"- Male (716-270b) site 22, (716-326b) site 38

This species is known only from Tropicana locality and it is of interest in that it is a "midget" male. Two female (or juvenile specimens) elsewhere from TGP may be associated with this taxon.

"*Swolnpes darwini*" nov. genus and nov. species

Males from the following sites: 3 specimens including holotype, 2 paratypes ms. submitted (716-263b) site 46, (716-297b) site 28, 2 specimens (716-309b) site 45, and (716-312b) site 32.

This new (not yet published) taxon is of particular interest. To date the "genus" is only known elsewhere from the Morgan Range near the south Australian border (to the north). The collections also include some apparent juveniles from sites 24, 29, 33, 30, 42, 44 which need further examination to see whether they can be identified.

3.0 DISCUSSION

All species presented in this report have been already recorded in the previous four phases and presented in the main SRE report. Nevertheless, further examination of the species *Aganippe sp. 1*, *Aganippe sp. 8*, *Aganippe sp. 2* and *Aganippe sp. 7* revealed that the first two species and the latter two species are synonymous (B.Y. Main, pers. comm., 2009). This reduced the initial eight species listed in the main SRE report to six. In addition, the two new genera of nemesiidae presented in the main SRE report have been re-examined and collapsed into a single genus. The new genus is expected to be published shortly under the name *Swolnpes darwini* gen. nov. sp. nov, as presented in this report (B.Y. Main, pers. comm., 2009).

