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ISSN 1035-3712

*Wildlife Research*, 2007, **34**, 491–497.

# Usefulness of funnel traps in catching small reptiles and mammals, with comments on the effectiveness of the alternatives

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Funnel traps were used in conjunction with pit traps (PVC buckets and pipes), Elliott traps and cage traps at 10 sites in southern Western Australia to examine sampling bias of trap types. Funnel traps seldom catch small mammals but catch more of the medium-sized and large terrestrial, diurnal snakes and some of the widely foraging, medium-sized skinks, medium-sized dragon lizards and arboreal geckos that climb out of PVC pit traps. For pit traps, buckets catch more reptiles, particularly smaller ones, than pipes. However, pipes catch more mammals than buckets. Elliott traps catch the same suite of small mammals as pipes plus some of the large, trappable species, such as *Rattus* spp. Cage traps are useful for trapping *Tiliqua* spp. and medium-sized mammals such as possums and bandicoots that are unlikely to be caught in pit and funnel traps. Funnel traps, pit traps and cage traps should be used in surveys of small terrestrial vertebrates to determine species richness and relative abundance in Western Australia and probably elsewhere. However, as cage traps are mostly useful for catching *Tiliqua* spp. and medium-sized mammals, they need only be used in faunal surveys undertaken for environmental impact assessments specifically targeting these species.

**Table A1. Number of individuals caught in various trap types at Ora Banda**

*, Significant difference at 0.05; **, significant difference at 0.01; n.s., no significance difference; –, insufficient data to apply a Chi-square test

| | Bucket pit traps | Pipe pit traps | Funnel traps | Significant difference |
|---|---|---|---|---|
| REPTILES | | | | |
| Agamidae (dragons) | | | | |
| *Caimanops amphiboluroides* | 1 | 5 | | – |
| *Ctenophorus cristatus* | 10 | 4 | 11 | n.s. |
| *Ctenophorus reticulatus* | 18 | 6 | 19 | * |
| *Ctenophorus scutulatus* | 2 | | 7 | – |
| *Moloch horridus* | 1 | | 1 | – |
| *Pogona minor* | 56 | 22 | 12 | ** |
| Gekkonidae (geckoes) | | | | |
| *Diplodactylus granariensis* | 114 | 71 | 43 | ** |

| | | | | |
|---|---|---|---|---|
| *Diplodactylus maini* | 96 | 51 | 2 | ** |
| *Diplodactylus pulcher* | 137 | 76 | 20 | ** |
| *Gehyra purpurascens* | | | 6 | – |
| *Gehyra variegata* | 46 | 15 | 93 | ** |
| *Heteronotia binoei* | 122 | 74 | 147 | ** |
| *Rhynchoedura ornata* | 43 | 28 | 4 | ** |
| *Strophurus assimilis* | 17 | 13 | 22 | n.s. |
| *Underwoodisaurus milii* | 154 | 120 | 236 | ** |
| Pygopodidae (legless lizards) | | | | |
| *Delma australis* | 12 | 1 | 2 | ** |
| *Delma butleri* | 2 | 2 | 1 | – |
| *Lialis burtonis* | 3 | | 2 | – |
| *Pygopus lepidopodus* | | 2 | 4 | – |
| Scincidae (skinks) | | | | |
| *Cryptoblepharus plagiocephalus* | 8 | 2 | 1 | - |
| *Ctenotus atlas* | 24 | 8 | 22 | * |
| *Ctenotus schomburgkii* | 1 | 2 | | – |
| *Ctenotus uber* | 47 | 16 | 72 | ** |
| *Cyclodomorphus melanops elongatus* | 11 | 9 | 10 | n.s. |
| *Egernia depressa* | 35 | 21 | 39 | n.s. |
| *Egernia formosa* | 7 | 6 | 12 | n.s. |
| *Egernia inornata* | 19 | 15 | 4 | * |
| *Egernia striata* | 2 | 1 | 2 | – |
| *Eremiascincus richardsonii* | 6 | 6 | 6 | n.s. |
| *Hemiergis initialis initialis* | 5 | 5 | | - |
| *Lerista muelleri* | 13 | 5 | 2 | * |
| *Lerista picturata* | 9 | 6 | 1 | * |
| *Menetia greyii* | 1 | | 1 | – |
| *Morethia butleri* | 7 | 4 | 8 | n.s. |
| *Tiliqua occipitalis* | 1 | | 12 | – |
| *Tiliqua rugosa* | 1 | | 10 | – |
| Varanidae (goannas) | | | | |
| *Varanus caudolineatus* | 21 | 8 | 11 | * |
| *Varanus gouldii* | 10 | 12 | 36 | ** |
| *Varanus tristis* | 1 | 5 | 6 | – |
| Typhlopidae (blind snakes) | | | | |
| *Ramphotyphlops australis* | 18 | 13 | 1 | ** |
| *Ramphotyphlops bicolour* | 1 | 2 | | – |
| *Ramphotyphlops bituberculatus* | 8 | 2 | 2 | – |
| *Ramphotyphlops hamatus* | 42 | 3 | 4 | ** |
| *Ramphotyphlops waitei* | | | 1 | – |
| Elapidae (front-fanged snakes) | | | | |
| *Brachyurophis semifasciata* | 7 | | 6 | – |
| *Demansia psammophis* | 1 | | 10 | – |
| *Parasuta monachus* | 7 | 1 | 11 | * |
| *Pseudechis australis* | | | 11 | – |
| *Pseudonaja modesta* | 1 | | 1 | – |
| *Pseudonaja nuchalis* | | 1 | 3 | – |
| *Simoselaps bertholdi* | 1 | 1 | 9 | – |
| *Suta fasciata* | 1 | | | – |
| AMPHIBIANS | | | | |
| *Neobatrachus* sp. | 54 | 32 | 3 | ** |
| *Pseudophryne occidentalis* | 43 | 43 | 15 | ** |
| MAMMALS | | | | |

| | | | | |
|---|---|---|---|---|
| *Antechinomys laniger* | | 1 | | − |
| *Cercartetus concinnus* | 10 | 12 | | ** |
| *Mus musculus* | 111 | 113 | 1 | ** |
| *Ningaui* sp. | 7 | 14 | 2 | − |
| *Notomys mitchelli* | | 1 | | − |
| *Pseudomys bolami* | 20 | 50 | | ** |
| *Pseudomys hermannsburgensis* | 5 | 13 | | ** |
| *Sminthopsis crassicaudata* | 73 | 67 | 1 | ** |
| *Sminthopsis dolichura* | 36 | 81 | 1 | ** |
| No. of reptiles | 1150 | 672 | 918 | ** |
| No. of reptile species | 47 | 39 | 47 | |
| No. of amphibians | 97 | 75 | 18 | |
| No. of amphibian species | 3 | 3 | 3 | |
| No. of mammals | 262 | 352 | 5 | |
| No. of mammals species | 7 | 9 | 4 | |
| No. of traps or pairs of funnel traps | 11424 | 11424 | 11424 | |
| No. of reptiles caught per 100 trap-nights | 10.067 | 5.882 | 8.036 | |
| No. of mammals caught per 100 trap-nights | 2.293 | 3.081 | 0.044 | |
| No. of individuals caught per 100 trap-nights | 12.360 | 8.964 | 8.079 | |

**Table A2. Number of individuals caught in various trap types at Greenough**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Ctenophorus maculatus* | 6 | 2 | 4 | | |
| *Pogona minor* | | 2 | 4 | | |
| Gekkonidae (geckoes) | | | | | |
| *Diplodactylus granariensis* | 1 | | 5 | | |
| *Gehyra variegata* | | 1 | 26 | | |
| *Strophurus spinigerus* | 3 | 2 | 29 | | |
| *Underwoodisaurus milii* | | | 2 | | |
| Pygopodidae (legless lizards) | | | | | |
| *Delma fraseri* | | | 1 | | |
| *Liasis burtonis* | | | 1 | | |
| Scincidae (skinks) | | | | | |
| *Ctenotus australis* | | | 1 | | |
| *Lerista lineopunctulata* | 8 | 1 | 5 | | |
| *Lerista planiventralis decora* | 2 | | 1 | | |
| *Menetia greyii* | 14 | 3 | 9 | | |
| *Morethia lineocelata* | 4 | 2 | 6 | | |
| *Tiliqua occipitalis* | | | 14 | | |
| *Tiliqua rugosa* | | | 4 | | 5 |
| Varanidae (goannas) | | | | | |
| *Varanus gouldii* | | | 1 | | |
| Typhlopidae (blind snakes) | | | | | |
| *Ramphotyphlops australis* | 3 | | 1 | | |
| Elapidae (front-fanged snakes) | | | | | |
| *Demansia psammophis* | | | 29 | | |
| *Neelaps bimaculatus* | 1 | | | | |
| *Pseudonaja affinis* | | | 2 | | |
| *Simoselaps litoralis* | | | 2 | | |
| MAMMALS | | | | | |
| *Felis catus* | | | | | 3 |
| *Mus musculus* | 16 | 20 | 3 | 18 | 1 |
| *Tachyglossus aculeatus* | | | | | 1 |
| No. of individual reptiles | 42 | 13 | 147 | | 5 |
| No. of reptile species | 9 | 7 | 20 | | 1 |
| No. of individual mammals | 16 | 20 | 3 | 18 | 5 |
| No. of mammal species | 1 | 1 | 1 | 1 | 3 |
| No. of traps or pairs of funnel traps | 860 | 860 | 1720 | 1720 | 516 |
| No. of reptiles caught per 100 trap-nights | 4.884 | 1.512 | 8.547 | | 0.969 |
| No. of mammals caught per 100 trap-nights | 1.860 | 2.326 | 0.174 | 1.047 | 0.969 |
| No. of individuals caught per 100 trap-nights | 6.744 | 3.837 | 8.721 | 1.047 | 1.938 |

**Table A3. Number of individuals caught in various trap types at Cervantes**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Pogona minor* | 1 | 1 | 7 | | |
| Gekkonidae (geckoes) | | | | | |
| *Strophurus spinigerus* | 2 | 1 | 11 | | |
| Pygopidae (legless lizards) | | | | | |
| *Lialis burtonis* | | | 2 | | |
| Scincidae (skinks) | | | | | |
| *Ctenotus fallens* | 2 | 1 | 73 | | |
| *Lerista praepedita* | | | 1 | | |
| *Menetia greyii* | 7 | 1 | 1 | | |
| *Tiliqua occipitalis* | 1 | | | | 2 |
| *Tiliqua rugosa* | 1 | | 1 | | 5 |
| Elapidae (front-fanged snakes) | | | | | |
| *Parasuta gouldii* | | | 1 | | |
| *Pseudonaja affinis* | | | 3 | | |
| AMPHIBIANS | | | | | |
| *Heleioporus eyrei* | | | 1 | | |
| *Limnodynastes dorsalis* | 1 | | | | |
| MAMMALS | | | | | |
| *Felix cattus* | | | | | 1 |
| *Mus musculus* | 8 | 1 | | 2 | |
| *Rattus fuscipes* | 8 | 3 | | 9 | 4 |
| *Rattus rattus* | | 2 | | 2 | 2 |
| *Sminthopsis griseoventer* | | 1 | | | |
| No. of reptiles | 14 | 4 | 100 | | 7 |
| No. of reptile species | 6 | 4 | 9 | | 2 |
| No. of amphibians | 1 | | 1 | | |
| No. of amphibian species | 1 | | 1 | | |
| No. of mammals | 16 | 7 | | 13 | 7 |
| No. of mammals species | 2 | 4 | | 3 | 3 |
| No. of traps or pairs of funnel traps | 555 | 555 | 1110 | 280 | 280 |
| No. of reptiles caught per 100 trap-nights | 2.523 | 0.721 | 9.009 | | 2.500 |
| No. of mammals caught per 100 trap-nights | 2.883 | 1.261 | | 4.643 | 2.500 |
| No. of individuals caught per 100 trap-nights | 5.405 | 1.982 | 9.009 | 4.643 | 5.000 |

**Table A4. Number of individuals caught in various trap types at Rockingham**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Pogona minor* | 1 | | 7 | | |
| *Rankinia adelaidensis* | 5 | 3 | | | |
| Gekkonidae (geckoes) | | | | | |
| *Gehyra variegata* | | | | | |
| *Strophurus spinigerus* | 6 | | 25 | | |
| Pygopodidae (legless lizards) | | | | | |
| *Aclys concinna* | | | 1 | | |
| *Delma grayii* | | | 1 | | |
| *Lialis burtonis* | | 1 | 2 | | |
| Scincidae (skinks) | | | | | |
| *Acritoscincus trilineatum* | | 1 | 1 | | |
| *Cryptoblepharus plagiocephalus* | 4 | 3 | 3 | | |
| *Ctenotus australis* | 5 | | 19 | | |
| *Ctenotus fallens* | 9 | 1 | 41 | | |
| *Egernia napoleonis* | 1 | | 3 | | |
| *Hemiergis initialis initialis* | 16 | 3 | 3 | | |
| *Hemiergis quadrilineata* | 3 | | 1 | | |
| *Menetia greyii* | 1 | 1 | | | |
| *Morethia obscura* | 11 | 1 | 12 | | |
| *Tiliqua rugosa* | 3 | | 4 | | 2 |
| Varanidae (goannas) | | | | | |
| *Varanus gouldii* | | | 1 | | |
| *Varanus tristis* | | | 1 | | |
| Typhlopidae (blind snakes) | | | | | |
| *Ramphotyphlops australis* | | | 1 | | |
| Elapidae (front-fanged snakes) | | | | | |
| *Demansia psammophis* | | | 1 | | |
| *Pseudonaja affinis* | | | 1 | | |
| MAMMALS | | | | | |
| *Isoodon obesulus* | | | | | 2 |
| *Mus musculus* | 131 | 92 | 1 | 11 | |
| *Rattus rattus* | | | | 2 | |
| No. of reptiles | 65 | 14 | 128 | | 2 |
| No. of reptile species | 12 | 8 | 19 | | 1 |
| No. of mammals | 131 | 92 | 1 | 13 | |
| No. of mammals species | 1 | 1 | 1 | 2 | |
| No. of traps or pairs of funnel traps | 600 | 600 | 1200 | 600 | 300 |
| No. of reptiles caught per 100 trap-nights | 10.833 | 2.333 | 10.667 | | 0.667 |
| No. of mammals caught per 100 trap-nights | 21.833 | 15.333 | 0.083 | 2.167 | 0.667 |
| No. of individuals caught per 100 trap-nights | 32.667 | 17.667 | 10.750 | 2.167 | 1.333 |

**Table A5. Number of individuals caught in various trap types at Koolanooka**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Ctenophorus scutulatus* | | | 3 | | |
| *Pogona minor* | | | 4 | | |
| Gekkonidae (geckoes) | | | | | |
| *Diplodactylus pulcher* | 3 | | | | |
| *Gehyra variegata* | 5 | 2 | 5 | | |
| *Heteronotia binoei* | 1 | | | | |
| Pygopodidae (legless lizards) | | | | | |
| *Delma australis* | | | 2 | | |
| *Delma fraserii* | 1 | | | | |
| *Pygopus nigriceps* | 1 | | 2 | | |
| Scincidae (skinks) | | | | | |
| *Cryptoblepharus carnabyi* | 1 | | | | |
| *Cryptoblepharus plagiocephalus* | 1 | | | | |
| *Ctenotus mimetes* | | | 1 | | |
| *Ctenotus schombergki* | | | | | |
| *Ctenotus uber* | 1 | | 1 | | |
| *Cyclodomorphous branchialis* | 1 | | 3 | | |
| *Hemiergis initialis* | 1 | | | | |
| *Lerista gerrardii* | | | | | |
| *Menetia greyii* | 1 | | 1 | | |
| Varanidae (goannas) | | | | | |
| *Varanus caudolineatus* | 1 | | | | |
| *Varanus gouldii* | | | 2 | | |
| *Varanus tristis* | | 1 | | | |
| Elapidae (front-fanged snakes) | | | | | |
| *Demansia psammophis* | | | 1 | | |
| *Parasuta monachus* | | | 2 | | |
| *Pseudechis australis* | | | 2 | | |
| *Pseudonaja modesta* | | | 2 | | |
| MAMMALS | | | | | |
| *Mus musculus* | 1 | 1 | 2 | | |
| *Sminthopsis dolichura* | | 2 | | 10 | |
| No. of reptiles | 18 | 3 | 31 | | |
| No. of reptile species | 12 | 2 | 14 | | |
| No. of mammals | 1 | 3 | 2 | 10 | |
| No. of mammal species | 1 | 2 | 1 | 1 | |
| No. of traps or pairs of funnel traps | 335 | 335 | 670 | 335 | 268 |
| No. of reptiles caught per 100 trap-nights | 5.373 | 0.896 | 4.627 | | |
| No. of mammals caught per 100 trap-nights | 0.299 | 0.896 | 0.299 | 2.985 | |
| No. of individuals caught per 100 trap-nights | 5.672 | 1.791 | 4.925 | 2.985 | |

**Table A6. Number of individuals caught in various trap types at Yakabindie**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Ctenophorus isolepis* | 2 | 2 | 2 | | |
| *Ctenophorus nuchalis* | | | | | |
| *Moloch horridus* | | | | | |
| Gekkonidae (geckoes) | | | | | |
| *Diplodactylus conspicillatus* | | | 2 | | |
| *Diplodactylus granariensis* | 1 | | | | |
| *Diplodactylus pulcher* | 2 | 1 | | | |
| *Gehyra variegata* | 1 | 1 | 3 | | |
| *Heteronotia binoei* | 3 | 1 | 1 | | |
| *Nephrurus vertebralis* | | 1 | | | |
| *Rhynchoedura ornata* | | 3 | | | |
| *Strophurus elderi* | 8 | 8 | 18 | | |
| *Strophurus strophurus* | 4 | | 5 | | |
| *Strophurus wellingtoniae* | 7 | 3 | 15 | | |
| Pygopodidae (legless lizards) | | | | | |
| *Lialis burtonis* | | | 1 | | |
| *Pygopus nigriceps* | | | 3 | | |
| Scincidae (skinks) | | | | | |
| *Ctenotus ariadnae* | 1 | 1 | 3 | | |
| *Ctenotus helenae* | | | 1 | | |
| *Ctenotus leonhardii* | | | 1 | | |
| *Ctenotus pantherinus* | | 1 | 6 | | |
| *Ctenotus uber* | 1 | 1 | 2 | | |
| *Egernia depressa* | | | 1 | | |
| *Egernia inornata* | | | | | |
| *Lerista desertorum* | 3 | | 1 | | |
| *Tiliqua multifasciata* | | | 2 | | |
| Varanids (goannas) | | | | | |
| *Varanus caudolineatus* | | | 1 | | |
| *Varanus gouldii* | | | 1 | | |
| *Varanus panoptes* | | | 2 | | 1 |
| Elapidae (front-fanged snakes) | | | | | |
| *Pseudechis australis* | | | 1 | | |
| *Pseudonaja modesta* | | | 3 | | |
| *Pseudonaja nuchalis* | | | 1 | | |
| *Simoselaps bertholdi* | 1 | | | | |
| MAMMALS | | | | | |
| *Dascycercus cristicauda* | | | | 2 | |
| *Mus musculus* | 1 | 3 | | 6 | |
| *Ningaui ridei* | 2 | 3 | 1 | | |
| *Pseudomys bolami* | 1 | 1 | | 1 | |
| *Pseudomys desertor* | | 1 | | | |
| *Pseudomys hermansburgensis* | 2 | 4 | | 1 | |
| *Sminthopsis crassicaudata* | 2 | | | | |
| *Sminthopsis dolichura* | 1 | 2 | | | |
| No. of individual reptiles | 34 | 23 | 76 | | 1 |
| No. of reptile species | 12 | 11 | 23 | | 1 |
| No. of individual mammals | 9 | 14 | 1 | 10 | |
| No. of mammal species | 6 | 6 | 1 | 4 | |

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| No. of traps or pairs of funnel traps | 760 | 760 | 1520 | 760 | 456 |
| No. of reptiles caught per 100 trap-nights | 4.474 | 3.026 | 5.000 | | 0.219 |
| No. of mammals caught per 100 trap-nights | 1.184 | 1.842 | 0.066 | 1.316 | |
| No. of individuals caught per 100 trap-nights | 5.658 | 4.868 | 5.066 | 1.316 | 0.219 |

**Table A7. Number of individuals caught in various trap types at Yanchep**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Pogona minor* | 1 | 1 | 7 | | |
| *Rankinia adelaidensis* | | | 1 | | |
| Gekkonidae (geckoes) | | | | | |
| *Strophurus spinigerus* | | 1 | 6 | | |
| Pygopidae (legless lizards) | | | | | |
| *Aprasia repens* | 2 | 1 | 1 | | |
| *Delma fraseri* | | | 1 | | |
| *Lialis burtonis* | | | 10 | | |
| Scincidae (skinks) | | | | | |
| *Cryptoblepharus plagiocephalus* | 2 | 6 | 2 | | |
| *Ctenotus australis* | 4 | 2 | 60 | | |
| *Ctenotus fallens* | 14 | 5 | 118 | 1 | |
| *Cyclodomorphus celatus* | 2 | 2 | 8 | | |
| *Egernia napoleonis* | | | 1 | 1 | |
| *Hemiergis initialis* | 2 | | 1 | | |
| *Hemiergis quadrilineata* | 5 | | 7 | | |
| *Lerista elegans* | 21 | 1 | 6 | | |
| *Menetia greyii* | 6 | 1 | 2 | | |
| *Morethia lineocelata* | 2 | 1 | 7 | | |
| *Tiliqua occipitalis* | 2 | 1 | 10 | 4 | |
| *Tiliqua rugosa* | 6 | 2 | 9 | 5 | 16 |
| Typhlopidae (blind snakes) | | | | | |
| *Ramphotyphlops australis* | 2 | | | | |
| Elapidae (front-fanged snakes) | | | | | |
| *Brachyurophis semifasciatus* | 1 | 2 | 2 | | |
| *Demansia psammophis* | | | 6 | | |
| *Echiopsis curta* | 1 | 1 | 3 | | |
| *Neelaps bimaculatus* | | | 2 | | |
| *Neelaps calonotos* | | | 1 | | |
| *Parasuta gouldii* | 1 | 1 | 1 | | |
| *Pseudonaja affinis* | | | 5 | | |
| *Simoselaps bertholdi* | 1 | | 3 | | |
| AMPHIBIANS | | | | | |
| *Heleioporus eyrei* | 34 | 11 | 18 | | 1 |
| *Limnodynastys dorsalis* | 33 | 17 | 18 | | |
| MAMMALS | | | | | |
| *Mus musculus* | 16 | 21 | 1 | 8 | |
| *Tarsipes rostratus* | 5 | 2 | | | |
| No. of reptiles | 75 | 28 | 280 | 11 | 16 |
| No. of reptile species | 18 | 15 | 26 | 4 | 1 |
| No. of amphibians | 67 | 28 | 36 | | 1 |
| No. of amphibian species | 2 | 2 | 2 | | 1 |
| No. of mammals | 21 | 23 | 1 | 8 | |
| No. of mammals species | 2 | 2 | 1 | 1 | |
| No. of traps or pairs of funnel traps | 785 | 785 | 1570 | 1570 | 580 |
| No. of reptiles caught per 100 trap-nights | 9.554 | 3.567 | 17.834 | 0.701 | 2.759 |
| No. of mammals caught per 100 trap-nights | 2.675 | 2.930 | 0.064 | 0.510 | |
| No. of individuals caught per 100 trap-nights | 12.229 | 6.497 | 17.898 | 1.210 | 2.759 |

**Table A8. Number of individuals caught in various trap types at Yallingup**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Pogona minor* | 3 | | 3 | | |
| Scincidae (skinks) | | | | | |
| *Acritoscincus trilineatum* | | 1 | 15 | | 1 |
| *Ctenotus impar* | 4 | 4 | 36 | 1 | |
| *Ctenotus labillardieri* | 1 | | 5 | | |
| *Hemiergis peronii* | 5 | 1 | 7 | | |
| *Lerista distinguenda* | 36 | 4 | 52 | | |
| *Menetia greyii* | 9 | 1 | 8 | | |
| *Morethia lineoocellata* | 29 | 11 | 158 | | |
| *Tiliqua rugosa* | 1 | 1 | 16 | 8 | 59 |
| Pygopodidae (legless lizards) | | | | | |
| *Aprasia pulchella* | 4 | | | | |
| *Delma australis* | 4 | | 1 | | |
| Typhlopidae (blind snakes) | | | | | |
| *Ramphotyphlops australis* | 2 | | | | |
| Elapidae (front-fanged snakes) | | | | | |
| *Echiopsis curta* | 2 | | 1 | | |
| *Pseudonaja affinis* | | | 1 | 1 | |
| AMPHIBIANS | | | | | |
| *Helioporous eyrei* | 6 | 4 | 1 | | |
| *Limnodynastes dorsalis* | 2 | 1 | 1 | | |
| MAMMALS | | | | | |
| *Mus musculus* | | 1 | | 4 | |
| *Tarsipes rostratus* | 2 | | 1 | | |
| No. of reptiles | 100 | 23 | 303 | 10 | 60 |
| No. of reptile species | 12 | 7 | 12 | 3 | 2 |
| No. of amphibians | 8 | 5 | 2 | | |
| No. of amphibian species | 2 | 2 | 2 | | |
| No. of mammals | 2 | 1 | 1 | 4 | |
| No. of mammals species | 1 | 1 | 1 | 1 | |
| No. of traps or pairs of funnel traps | 750 | 750 | 1500 | 1500 | 564 |
| No. of reptiles caught per 100 trap-nights | 13.333 | 3.067 | 20.200 | 0.667 | 10.638 |
| No. of mammals caught per 100 trap-nights | 0.267 | 0.133 | 0.067 | 0.267 | |
| No. of individuals caught per 100 trap-nights | 13.600 | 3.200 | 20.267 | 0.933 | 10.638 |

**Table A9. Number of individuals caught in various trap types at Australind**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Gekkonidae (geckos) | | | | | |
| *Christinus marmoratus* | 3 | 3 | 6 | | |
| Scincidae (skinks) | | | | | |
| *Cryptoblepharus plagiocephalus* | 7 | 7 | 1 | | |
| *Ctenotus impar* | 1 | 1 | 1 | | |
| *Hemiergis quadrilineata* | 12 | 11 | 16 | | |
| *Lerista distinguenda* | 30 | 13 | 9 | | |
| *Lerista elegans* | 30 | 13 | 8 | | |
| *Morethia lineoocellata* | 72 | 35 | 64 | | |
| *Tiliqua rugosa* | 0 | 1 | 3 | 5 | 8 |
| Typhlopoidae (blind snakes) | | | | | |
| *Ramphotyphlops australis* | 3 | 2 | | | |
| Elapidae (front-fanged snakes) | | | | | |
| *Simoselaps bertholdi* | 0 | 0 | 1 | | |
| AMPHIBIANS | | | | | |
| *Heleiophorus eyrei* | 2 | 1 | | | |
| *Limnodynastes dorsalis* | 1 | | | | |
| MAMMALS | | | | | |
| *Mus musculus* | 6 | 6 | | 3 | |
| *Trichosurus vulpechula* | | | | | 10 |
| No. of reptiles | 158 | 86 | 109 | 5 | 8 |
| No. of reptile species | 8 | 9 | 9 | 1 | 1 |
| No. of amphibians | 3 | 1 | | | |
| No. of amphibian species | 2 | 1 | | | |
| No. of mammals | 6 | 6 | | 3 | 10 |
| No. of mammals species | 1 | 1 | | 1 | 1 |
| No. of traps or pairs of funnel traps | 425 | 425 | 850 | 850 | 425 |
| No. of reptiles caught per 100 trap-nights | 37.176 | 20.235 | 12.824 | 0.588 | 1.882 |
| No. of mammals caught per 100 trap-nights | 1.412 | 1.412 | | 0.353 | 2.353 |
| No. of individuals caught per 100 trap-nights | 38.588 | 21.647 | 12.824 | 0.941 | 4.235 |

**Table A10. Number of individuals caught in various trap types at Mt Gibson**

| | Bucket pit traps | Pipe pit traps | Funnel traps | Elliott traps | Cage traps |
|---|---|---|---|---|---|
| REPTILES | | | | | |
| Agamidae (dragons) | | | | | |
| *Ctenophorus cristatus* | | | 4 | | |
| *Ctenophorus reticulatus* | | | 1 | | |
| *Ctenophorus scutulatus* | 5 | 1 | 3 | | |
| *Moloch horridus* | | | 3 | | |
| *Pogona minor* | | | 1 | | |
| Gekkonidae (geckoes) | | | | | |
| *Diplodactylus graneriensis* | | 1 | 1 | | |
| *Diplodactylus mainii* | 1 | | | | |
| *Diplodactylus pulcher* | 2 | | 1 | | |
| *Gehyra variegata* | 4 | 2 | 1 | | |
| *Rhynchoedura ornata* | | | | | |
| *Heteronotia binoei* | 2 | | 8 | | |
| Pygopodidae (legless lizards) | | | | | |
| *Pygopus nigriceps* | | | 1 | | |
| Scincidae (skinks) | | | | | |
| *Cryptoblepharus carnabyi* | | 1 | | | |
| *Cryptoblepharus plagiocephalus* | 1 | | | | |
| *Ctenotus schomburgki* | 3 | 3 | 5 | | |
| *Ctenotus severus* | 1 | | | | |
| *Egernia depressa* | 1 | | 2 | | |
| *Egernia inornata* | | | 1 | | |
| *Menetia greyii* | 2 | | 1 | | |
| *Morethia butleri* | | 1 | | | |
| Varanidae (goannas) | | | | | |
| *Varanus tristis* | | | 1 | | |
| Elapidae (front-fanged snakes) | | | | | |
| *Demansia psammophis* | | | 1 | | |
| *Simoselaps bertholdi* | | | 2 | | |
| MAMMALS | | | | | |
| *Mus musculus* | | | | 1 | |
| No. of reptiles | 22 | 9 | 37 | | |
| No. of reptile species | 10 | 6 | 17 | | |
| No. of mammals | | | | 1 | |
| No. of mammals species | | | | 1 | |
| No. of traps or pairs of funnel traps | 360 | 360 | 720 | 395 | 288 |
| No. of reptiles caught per 100 trap-nights | 6.111 | 2.500 | 5.139 | | |
| No. of mammals caught per 100 trap-nights | | | | 0.253 | |
| No. of individuals caught per 100 trap-nights | 6.111 | 2.500 | 5.139 | 0.253 | |