



BushBlitz

SPECIES DISCOVERY PROGRAM



BUSH BLITZ SPECIES DISCOVERY PROGRAM



Lochada Reserve Supplement



CARING FOR
OUR COUNTRY



Contents

| | |
|---|----|
| Appendix A: Species Lists | 3 |
| Fauna | 4 |
| Vertebrates | 4 |
| Birds | 4 |
| Frogs | 6 |
| Mammals | 6 |
| Reptiles | 7 |
| Invertebrates | 8 |
| Bees | 8 |
| Moths and Butterflies | 8 |
| Flies | 9 |
| Beetles | 9 |
| True Bugs — Terrestrial | 10 |
| Centipedes | 11 |
| Pseudoscorpions | 11 |
| Spiders | 12 |
| Snails | 12 |
| Flora | 13 |
| Flowering Plants | 13 |
| Conifers | 16 |
| Appendix B: Rare and Threatened Species | 17 |
| Appendix C: Exotic and Pest Species | 19 |

Key

- ☒ = Previously recorded on the reserve and found on this survey
- * = New record for this reserve
- ^ = Exotic/Pest
- # = EPBC listed
- ~ = WCA listed

Putative new species

Previously recorded on the reserve but not found on this survey

EPBC = *Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth)

WCA = *Wildlife Conservation Act 1950* (Western Australia)





Appendix A: Species Lists

Nomenclature and taxonomy used in this appendix are consistent with that from the Australian Faunal Directory (AFD), the Australian Plant Name Index (APNI) and the Australian Plant Census (APC).

Current at March 2012



Fauna

Vertebrates

| Birds | | |
|---------------|--|---------------------------|
| Family | Species | Common Name |
| Acanthizidae | <i>Acanthiza apicalis</i> | Inland Thornbill |
| | <i>Acanthiza chrysorrhoa chrysorrhoa</i> | Yellow-rumped Thornbill |
| | <i>Acanthiza uropygialis</i> | Chestnut-rumped Thornbill |
| | <i>Aphelocephala leucopsis castaneiventris</i> | Southern Whiteface |
| | <i>Pyrrholaemus brunneus</i> | Redthroat |
| | <i>Smicrornis brevirostris</i> | Weebill |
| Accipitridae | <i>Accipiter fasciatus</i> | Brown Goshawk |
| | <i>Aquila audax audax</i> | Wedge-tailed Eagle |
| | <i>Haliastur sphenurus</i> | Whistling Kite |
| | <i>Hieraaetus morphnoides morphnoides</i> | Little Eagle |
| | <i>Lophoictinia isura</i> | Square-tailed Kite |
| Aegothelidae | <i>Aegotheles cristatus cristatus</i> | Australian Owlet-nightjar |
| Alcedinidae | <i>Todiramphus pyrrhopygius</i> | Red-backed Kingfisher |
| Anatidae | <i>Anas gracilis</i> | Grey Teal |
| Ardeidae | <i>Egretta novaehollandiae</i> | White-faced Heron |
| Artamidae | <i>Artamus personatus</i> | Masked Woodswallow |
| | <i>Cracticus nigrogularis picatus</i> | Pied Butcherbird |
| | <i>Cracticus tibicen</i> | Australian Magpie |
| | <i>Cracticus torquatus leucopterus</i> | Grey Butcherbird |
| | <i>Strepera versicolor</i> | Grey Currawong |
| Cacatuidae | <i>Cacatua pastinator</i> | Western Corella |
| | <i>Calyptorhynchus banksii</i> | Red-tailed Black Cockatoo |
| | <i>Eolophus roseicapillus</i> | Galah |
| | <i>Lophochroa leadbeateri</i> | Major Mitchell's Cockatoo |
| Campephagidae | <i>Coracina novaehollandiae melanops</i> | Black-faced Cuckoo-shrike |
| | <i>Lalage sueurii</i> | White-winged Triller |
| Casuariidae | <i>Dromaius novaehollandiae</i> | Emu |
| Charariidae | <i>Euseyornis melanops</i> | Black-fronted Dotterel |
| | <i>Vanellus tricolor</i> | Banded Lapwing |
| Columbidae | <i>Ocyphaps lophotes</i> | Crested Pigeon |
| | <i>Phaps chalcoptera</i> | Common Bronzewing |





| Birds | | |
|-------------------|---|----------------------------|
| Family | Species | Common Name |
| Corvidae | <i>Corvus bennetti</i> | Little Crow |
| | <i>Corvus coronoides perplexus</i> | Australian Raven |
| Cuculidae | <i>Chalcites basalus</i> | Horsefield's Bronze-Cuckoo |
| | <i>Chalcites osculans</i> | Black-eared Cuckoo |
| Estrildidae | <i>Taeniopygia guttata</i> | Zebra Finch |
| Falconidae | <i>Falco berigora</i> | Brown Falcon |
| | <i>Falco cenchroides</i> | Nankeen Kestrel |
| | <i>Falco peregrinus macropus</i> | Peregrine Falcon |
| Hirundinidae | <i>Hirundo neoxena</i> | Welcome Swallow |
| | <i>Petrochelidon nigricans nigricans</i> | Tree Martin |
| Maluridae | <i>Malurus lamberti</i> | Variiegated Fairy-wren |
| | <i>Malurus splendens splendens</i> | Splendid Fairy-wren |
| Megaluridae | <i>Cincloramphus mathewsi</i> | Rufous Songlark |
| Meliphagidae | <i>Acanthagenys rufogularis</i> | Spiny-cheeked Honeyeater |
| | <i>Certhionyx variegatus</i> | Pied Honeyeater |
| | <i>Lichenostomus virescens virescens</i> | Singing Honeyeater |
| | <i>Lichmera indistincta indistincta</i> | Brown Honeyeater |
| | <i>Manorina flavigula obscura</i> | Yellow-throated Miner |
| Monarchidae | <i>Grallina cyanoleuca cyanoleuca</i> | Magpie-lark |
| Motacillidae | <i>Anthus novaeseelandiae novaeseelandiae</i> | Australasian Pipit |
| Pachycephalidae | <i>Colluricincla harmonica</i> | Grey Shrike-thrush |
| | <i>Oreoica gutturalis</i> | Crested Bellbird |
| | <i>Pachycephala pectoralis fuliginosa</i> | Golden Whistler |
| | <i>Pachycephala rufiventris rufiventris</i> | Rufous Whistler |
| Pardalotidae | <i>Pardalotus striatus</i> | Striated Pardalote |
| Petroicidae | <i>Eopsaltria griseogularis</i> | Western Yellow Robin |
| | <i>Petroica goodenovii</i> | Red-capped Robin |
| Podargidae | <i>Podargus strigoides brachypterus</i> | Tawny Frogmouth |
| Pomatostomidae | <i>Pomatostomus superciliosus</i> | White-browed Babbler |
| Psittacidae | <i>Barnardius zonarius</i> | Australian Ringneck |
| | <i>Melopsittacus undulatus</i> | Budgerigar |
| | <i>Polytelis anthopeplus anthopeplus</i> | Regent Parrot |
| | <i>Psephotus varius</i> | Mulga Parrot |
| Ptilonorhynchidae | <i>Ptilonorhynchus guttatus guttatus</i> | Western Bowerbird |
| Rhipiduridae | <i>Rhipidura albiscapa</i> | Grey Fantail |
| | <i>Rhipidura leucophrys</i> | Willie Wagtail |
| Strigidae | <i>Ninox novaeseelandiae</i> | Southern Boobook |
| Timaliidae | <i>Zosterops lateralis</i> | Silvereye |



| Frogs | | |
|----------------|----------------------------------|-----------------|
| Family | Species | Common Name |
| Myobatrachidae | <i>Neobatrachus pelobatoides</i> | Humming Frog |
| | <i>Neobatrachus wilsmorei</i> | Goldfields Frog |
| | <i>Pseudophryne occidentalis</i> | Western Toadlet |

| Mammals | | |
|------------------|------------------------------------|----------------------------|
| Family | Species | Common Name |
| Bovidae | <i>Capra hircus</i> ^ | Goat |
| Dasyuridae | <i>Antechinomys laniger</i> | Kultarr |
| | <i>Sminthopsis crassicaudata</i> | Fat-tailed Dunnart |
| | <i>Sminthopsis dolichura</i> | Little Long-tailed Dunnart |
| | <i>Sminthopsis gilberti</i> | Gilbert's Dunnart |
| Felidae | <i>Felis catus</i> ^ | Cat |
| Leporidae | <i>Oryctolagus cuniculus</i> ^ | Rabbit |
| Macropodidae | <i>Macropus fuliginosus</i> | Western Grey Kangaroo |
| | <i>Macropus rufus</i> | Red Kangaroo |
| Molossidae | <i>Tadarida australis</i> | White-striped Freetail-bat |
| Muridae | <i>Mus musculus</i> ^ | House Mouse |
| | <i>Notomys alexis</i> | Spinifex Hopping-mouse |
| | <i>Notomys mitchellii</i> | Mitchell's Hopping-mouse |
| | <i>Pseudomys bolami</i> | Bolam's Mouse |
| | <i>Pseudomys hermannsburgensis</i> | Sandy Inland Mouse |
| Tachyglossidae | <i>Tachyglossus aculeatus</i> | Short-beaked Echidna |
| Vespertilionidae | <i>Chalinolobus gouldii</i> | Gould's Wattled Bat |
| | <i>Vespadelus baverstocki</i> | Inland Forest Bat |
| | <i>Vespadelus finlaysoni</i> | Finlayson's Cave Bat |
| | <i>Vespadelus regulus</i> | Southern Forest Bat |





| Reptiles | | |
|-----------------|-------------------------------------|------------------------------|
| Family | Species | Common Name |
| Agamidae | <i>Ctenophorus nuchalis</i> | Central Netted Dragon |
| | <i>Ctenophorus reticulatus</i> | Western Netted Dragon |
| | <i>Ctenophorus salinarum</i> | Claypan Dragon |
| | <i>Ctenophorus scutulatus</i> | Lozenge-marked Dragon |
| | <i>Moloch horridus</i> | Thorny Devil |
| | <i>Pogona minor</i> | Dwarf Bearded Dragon |
| Diplodactylidae | <i>Diplodactylus granariensis</i> * | Wheat-belt Stone Gecko |
| | <i>Rhynchoedura ornata</i> * | Beaked Gekko |
| Elapidae | <i>Furina ornata</i> * | Orange-naped Snake |
| | <i>Pseudechis butleri</i> | Spotted Mulga Snake |
| | <i>Pseudonaja modesta</i> | Ringed Brown Snake |
| | <i>Pseudonaja nuchalis</i> | Western Brown Snake |
| | <i>Simoselaps bertholdi</i> * | Jan's Banded Snake |
| Gekkonidae | <i>Gehyra variegata</i> | Tree Dtella |
| | <i>Heteronotia binoei</i> | Bynoe's Gekko |
| | <i>Lucasium squarrosus</i> | Mottled Ground Gekko |
| Pygopodidae | <i>Lialis burtonis</i> * | Burton's Snake-lizard |
| | <i>Pygopus nigriceps</i> | Hooded Scaly-foot |
| Scincidae | <i>Cryptoblepharus buchananii</i> * | Buchanan's Snake-eyed Skink |
| | <i>Ctenotus fallens</i> | West-coast Laterite Ctenotus |
| | <i>Ctenotus leonhardii</i> | Leonhardi's Ctenotus |
| | <i>Ctenotus mimetes</i> | Checker-sided Ctenotus |
| | <i>Cyclodomorphus branchialis</i> | Common Slender Blue-tongue |
| | <i>Egernia depressa</i> | Pygmy Spiny-tailed Skink |
| | <i>Egernia stokesii badia</i> # | Gidgee Skink |
| | <i>Eremiascincus richardsonii</i> | Broad-banded Sand-swimmer |
| | <i>Lerista gerrardii</i> | Bold-striped Robust Slider |
| | <i>Lerista kingi</i> * | King's Skink |
| | <i>Lerista nichollsi</i> * | Inland Broad-blazed Slider |
| | <i>Liopholis inornata</i> | Desert Skink |
| | <i>Menetia greyii</i> | Common Dwarf Skink |
| | <i>Morethia butleri</i> | Woodland Morethia Skink |
| Varanidae | <i>Varanus gouldii</i> | Gould's Goanna |
| | <i>Varanus panoptes rubidus</i> * | Yellow-spotted Monitor |
| | <i>Varanus tristis</i> * | Black-headed Monitor |



Invertebrates

| Bees | |
|------------|--|
| Family | Species |
| Apidae | <i>Apis mellifera</i> * ^ |
| Colletidae | <i>Callohesma</i> sp. 1 * |
| | <i>Callohesma</i> sp. 2 * |
| | <i>Euhesma</i> sp. 3 * |
| | <i>Euhesma</i> sp. 5 * |
| | <i>Hylaeus</i> sp. 5 * |
| | <i>Leioproctus (Colletellus)</i> sp. 1 * |
| | <i>Leioproctus (Colletellus)</i> sp. 2 * |
| | <i>Leioproctus (Euryglossidia)</i> sp. 1 * |
| | <i>Leioproctus (Euryglossidia)</i> sp. 2 red * |
| | <i>Leioproctus (Euryglossidia)</i> sp. 3 * |
| | <i>Leioproctus (Leioproctus)</i> sp. 5 * |
| | <i>Leioproctus (Leioproctus)</i> sp. 7 * |
| | <i>Leioproctus (Leioproctus)</i> sp. 9 * |
| | <i>Leioproctus (Leioproctus)</i> sp. 10 * |

| Bees | |
|---------------|---|
| Family | Species |
| Colletidae | <i>Leioproctus (Leioproctus)</i> sp. 11 * |
| | <i>Leioproctus (Leioproctus)</i> sp. 12 * |
| | <i>Leioproctus (Leioproctus)</i> sp. 13 * |
| | <i>Leioproctus (Leioproctus)</i> sp. 14 * |
| | <i>Leioproctus (Odontocolletes)</i> sp. 1 * |
| | <i>Leioproctus</i> sp. 9 * |
| | <i>Neopasiphae mirabilis</i> * |
| Halictidae | <i>Lasioglossum (Chilalictus)</i> sp. 1 * |
| | <i>Lasioglossum (Chilalictus)</i> sp. 3 * |
| | <i>Lasioglossum (Chilalictus)</i> sp. 4 * |
| | <i>Lasioglossum (Chilalictus)</i> sp. 5 * |
| | <i>Lipotriches (s.str.)</i> sp. 1 * |
| Megachilidae | <i>Megachile</i> sp. 1 * |
| Stenotritidae | <i>Ctenocolletes rufescens</i> * |

| Moths and Butterflies | |
|-----------------------|---------------------------------------|
| Family | Species |
| Geometridae | <i>Chlenomorpha</i> sp. * |
| | <i>Cleora displicata/godeffroyi</i> * |
| | <i>Dichromodes aesia</i> * |
| | <i>Dichromodes haematopa</i> * |
| | <i>Dichromodes n. sp. 2</i> * |
| | <i>Dichromodes n. sp. 11</i> * |
| | <i>Dichromodes n. sp. 12</i> * |
| | <i>Dichromodes</i> sp. 5 * |
| | <i>Dichromodes</i> sp. 6 * |
| | <i>Dichromodes</i> sp. 7 * |
| | <i>Dichromodes</i> sp. 13 |
| | <i>Dichromodes</i> sp. 14 |
| | <i>Dichromodes</i> sp. 15 |
| | <i>Dinophalus</i> sp. 2 |
| | <i>Dysbatus</i> sp. * |
| | <i>Euloxia pyropa</i> * |

| Moths and Butterflies | |
|-----------------------|----------------------------------|
| Family | Species |
| Geometridae | <i>Idaea inversata</i> * |
| | <i>Lipogya</i> sp. 1 * |
| | <i>Lipogya</i> sp. 2 * |
| | <i>Lissomma</i> sp. * |
| | <i>Nearcha caronia</i> * |
| | <i>Nearcha dasyzona</i> * |
| | <i>Notiosterrha</i> sp. * |
| | <i>Oenochroma n. sp. 1</i> * |
| | <i>Oenochroma n. sp. 2</i> * |
| | <i>Oenochroma</i> sp. 3 |
| | <i>Omoplatica</i> sp. * |
| | <i>Pachyplocia</i> sp. 2 |
| | <i>Paramelora</i> sp. 1 * |
| | <i>Paramelora</i> sp. 3 * |
| | <i>Scopula nr episcia</i> * |
| | <i>[Selidosema] penthearia</i> * |





| Moths and Butterflies | |
|-----------------------|--|
| Family | Species |
| Geometridae | <i>Taxeotis</i> sp. 1 * |
| | <i>Taxeotis</i> sp. 2 * |
| | <i>Taxeotis xanthogramma</i> * |
| Lycaenidae | <i>Candalides cyprotus</i> * |
| | <i>Nacaduba biocellata</i> * |
| | <i>Theclinesthes miskini</i> * |
| | <i>Theclinesthes serpentata serpentata</i> * |

| Moths and Butterflies | |
|-----------------------|----------------------------|
| Family | Species |
| Nymphalidae | <i>Danaus chrysippus</i> * |
| | <i>Geitoneura minyas</i> * |
| | <i>Junonia villida</i> * |
| Pieridae | <i>Delias aganippe</i> * |
| | <i>Eurema smilax</i> * |

| Flies | |
|-------------|--|
| Family | Species |
| Acroceridae | Acroceridae: unid. genus, sp. * |
| Apioceridae | <i>Apiocera</i> nr <i>australis</i> * |
| | <i>Apiocera</i> nr <i>latipennis</i> * |
| Bombyliidae | <i>Aleucosia maculosa</i> * |
| | <i>Comptosia decedens</i> * |
| | <i>Comptosia microrhynchus</i> group * |
| | <i>Comptosia</i> nr sp. A * |
| | <i>Docidomyia</i> nr <i>danielsi</i> * |
| | <i>Meomyia</i> sp. * |

| Flies | |
|----------------|---|
| Family | Species |
| Cryptochetidae | <i>Cryptochetum</i> sp. * |
| Pipunculidae | Pipunculidae: unid. genus, sp. * |
| Scenopinidae | <i>Riekiella</i> sp. * |
| Therevidae | <i>Acraspisa</i> sp. 1 * |
| | <i>Agapophytus</i> sp. 1 * |
| | <i>Manestella</i> nr <i>tristriata</i> * |
| | <i>Medomega</i> sp. 1 * |
| | <i>Parapsilocephala</i> n. sp. 2 * |
| | <i>Taenogerella</i> sp. * |

| Beetles | |
|-------------|--------------------------------------|
| Family | Species |
| Buprestidae | <i>Astraeus</i> sp. * |
| | <i>Castiarina pallidiventris</i> * |
| | <i>Castiarina pictipennis</i> * |
| | <i>Castiarina recta</i> * |
| | <i>Castiarina rufa</i> * |
| | <i>Castiarina simulata</i> * |
| Carabidae | <i>Agonocheila</i> sp. 3 * |
| | <i>Amblystomus</i> sp. 1 * |
| | <i>Calosoma schayeri</i> * |
| | <i>Carenum</i> sp. 1 * |
| | <i>Carenum</i> sp. 3 * |
| | <i>Euryscaphus</i> sp. 1 * |
| | <i>Gigadema</i> sp. 1 * |
| | Harpalinae: Harpalini indet. genus * |

| Beetles | |
|---------------|--|
| Family | Species |
| Carabidae | <i>Mecyclothorax</i> sp. 1 * |
| | <i>Philophloeus</i> sp. 1 * |
| | <i>Philophloeus</i> sp. 2 * |
| | <i>Philophloeus</i> sp. 3 * |
| | <i>Philoscaphus</i> sp. 1 * |
| | <i>Phorticosomus</i> sp. 1 * |
| | <i>Phorticosomus</i> sp. 2 * |
| | Pterostichinae: Pterostichini indet. genus * |
| | <i>Sarothrocrepis</i> sp. 1 * |
| | <i>Trigonothops</i> sp. 1 * |
| | <i>Trigonothops</i> sp. 3 * |
| Coccinellidae | <i>Micraspis</i> sp. * |



| True Bugs — Terrestrial | |
|-------------------------|-----------------------------------|
| Family | Species |
| Aradidae | Calisius n. sp. 1 * |
| Hyocephalidae | Maevius n. sp. 215 * |
| Lygaeidae | <i>Nysius vinitor</i> * |
| Miridae | <i>Austrocapsus</i> sp. 001 * |
| | Austromirini 158 * |
| | Austromirini n. sp. 157 * |
| | Austromirini sp. 017 * |
| | Austromirini sp. 018 * |
| | Austromirini sp. 019 * |
| | Austromirini sp. 022 * |
| | Austromirini sp. 036 * |
| | Austromirini sp. 086 * |
| | <i>Austromiris</i> n. sp. 007 * |
| | Austromiris n. sp. 010 * |
| | <i>Campylomma</i> sp. * |
| | <i>Coridromius chenopoderis</i> * |
| | <i>Cysteorrhacha</i> n. sp. 032 * |
| | Engytatus n. sp. 192 * |
| | <i>Engytatus nicotianae</i> * |
| | <i>Goodeniaphila schuhi</i> * |
| | Halticini sp. 253 * |
| | <i>Kirkaldyella pilosa</i> * |
| | Metopocoris n. sp. 041 * |
| | Mirini sp. 003 * |
| | Mirini sp. 013 * |
| | Mirini sp. 058 * |
| | Mirini sp. 075 * |
| | Mirini sp. 182 * |
| | Mirini sp. 200 * |
| | Mirini sp. 222 * |
| | Mirini sp. 223 * |
| | Monaloniini sp. 213 * |
| | Orthotylini sp. 005 * |
| | Orthotylini sp. 009 * |
| | Orthotylini sp. 016 * |
| | Orthotylini sp. 023 * |
| | Orthotylini sp. 024 * |
| Orthotylini sp. 025 * | |
| Orthotylini sp. 035 * | |

| True Bugs — Terrestrial | |
|-------------------------|--------------------------------|
| Family | Species |
| Miridae | Orthotylini sp. 037 * |
| | Orthotylini sp. 040 * |
| | Orthotylini sp. 043 * |
| | Orthotylini sp. 047 * |
| | Orthotylini sp. 055 * |
| | Orthotylini sp. 063 * |
| | Orthotylini sp. 066 * |
| | Orthotylini sp. 083 * |
| | Orthotylini sp. 084 * |
| | Orthotylini sp. 092 * |
| | Orthotylini sp. 125 * |
| | Orthotylini sp. 128 * |
| | Orthotylini sp. 137 * |
| | Orthotylini sp. 146 * |
| | Orthotylini sp. 147 * |
| | Orthotylini sp. 165 * |
| | Orthotylini sp. 169 * |
| | Orthotylini sp. 170 * |
| | Orthotylini sp. 174 * |
| | Orthotylini sp. 208 * |
| | Orthotylini sp. 224 * |
| | Orthotylini sp. 239 * |
| | Orthotylini sp. 276 * |
| | Orthotylini sp. 278 * |
| | Orthotylini sp. 279 * |
| | Orthotylini sp. 289 * |
| | Orthotylini sp. 306 * |
| | Orthotylini sp. 316 * |
| | Orthotylini sp. 317 * |
| | <i>Orthotylus</i> n. sp. 194 * |
| | <i>Orthotylus</i> n. sp. 195 * |
| | <i>Orthotylus</i> n. sp. 198 * |
| | <i>Orthotylus</i> n. sp. 219 * |
| | <i>Orthotylus</i> n. sp. 234 * |
| Phylini sp. 001 * | |
| Phylini sp. 020 * | |
| Phylini sp. 021 * | |
| Phylini sp. 031 * | |
| Phylini sp. 038 * | |





| True Bugs — Terrestrial | |
|-------------------------------|---|
| Family | Species |
| Miridae | Phylini sp. 051 * |
| | Phylini sp. 072 * |
| | Phylini sp. 113 * |
| | Phylini sp. 129 * |
| | Phylini sp. 153 * |
| | Phylini sp. 196 * |
| | Phylini sp. 225 * |
| | Phylini sp. 235 * |
| | Phylini sp. 282 * |
| | <i>Setocoris russelli</i> * |
| | <i>Sinistropa northami</i> * |
| | <i>Sinistropa n. sp. 034</i> * |
| | <i>Wallabicoris n. sp. 039</i> * |
| | <i>Wallabicoris n. sp. 90</i> * |
| | <i>Wallabicoris n. sp. 130</i> * |
| <i>Wallabicoris sp. 001</i> * | |
| Zanchiini sp. 002 * | |

| True Bugs — Terrestrial | |
|-------------------------|----------------------------------|
| Family | Species |
| Miridae | Zanchiini sp. 029 * |
| | Zanchiini sp. 096 * |
| | Zanchiini sp. 131 * |
| | Zanchiini sp. 216 * |
| | Zanchiini sp. 294 * |
| Oxycarenidae | <i>Oxycarenum sp.</i> * |
| Pentatomidae | Halyini sp. 003 * |
| | <i>Oechalia schellenbergii</i> * |
| | <i>Poecilometis sp. 001</i> * |
| | <i>Poecilometis sp. 002</i> * |
| Reduviidae | Reduviidae sp. * |
| Rhyparochromidae | <i>Euander sp.</i> * |
| Scutelleridae | <i>Choerocoris paganus</i> * |
| | <i>Choerocoris variegatus</i> * |
| Tingidae | Tingidae sp. 173 * |
| | <i>Tingis sp.</i> * |

| Centipedes | |
|----------------|----------------------------------|
| Family | Species |
| Scolopendridae | <i>Scolopendra laeta</i> * |
| | <i>Scolopendra morsitans</i> * |
| Scutigerae | <i>Pilbarascutigera incola</i> * |

| Pseudoscorpions | |
|-----------------|---------------------------|
| Family | Species |
| Garypidae | <i>Synsphyronus sp.</i> * |



| Spiders | |
|---------------|----------------------------------|
| Family | Species |
| Actinopodidae | <i>Missulena</i> sp. |
| Araneidae | <i>Argiope protensa</i> * |
| | <i>Austracantha minax</i> * |
| Desidae | <i>Badumna</i> sp. * |
| Gnaphosidae | <i>Ceryerda</i> sp. * |
| Hersiliidae | <i>Tamopsis depressa</i> * |
| Lamponidae | <i>Lampona quinqueplagiata</i> * |
| Lycosidae | <i>Dingosa simsoni</i> |
| | <i>Hogna crispipes</i> |
| | <i>Hogna pexa</i> |
| | <i>Lycosa forresti</i> |
| | <i>Lycosa salifodina</i> |
| | <i>Mainosa longipes</i> |

| Spiders | |
|-------------|---------------------------------|
| Family | Species |
| Nemesiidae | <i>Teyl</i> sp. 3 |
| Pholcidae | <i>Trichocyclus balladong</i> * |
| | <i>Wugigarra kalamai</i> * |
| Salticidae | <i>Adoxotoma</i> sp. * |
| Theridiidae | <i>Emertonella</i> sp. * |
| | <i>Latrodectus hasselti</i> * |
| | <i>Steatoda</i> sp. * |

| Snails | |
|---------------|---|
| Family | Species |
| Camaenidae | <i>Sinumelon vagente</i> * |
| Placostylidae | <i>Bothriembryon</i> n. sp. "Northern Wheatbelt"? * |
| Succineidae | <i>Succinea</i> sp. aff. <i>scalarina</i> * |





Flora

| Flowering Plants | |
|------------------|--|
| Family | Species |
| Aizoaceae | <i>Tetragonia diptera</i> * |
| Amaranthaceae | <i>Ptilotus chamaecladus</i> |
| | <i>Ptilotus obovatus</i> * |
| | <i>Ptilotus polystachyus</i> * |
| Anacardiaceae | <i>Schinus molle</i> var. <i>areira</i> ^ |
| Apiaceae | <i>Trachymene pilosa</i> * |
| | <i>Xanthosia bungei</i> * |
| Asparagaceae | <i>Arthropodium dyeri</i> * |
| | <i>Arthropodium</i> sp. (T.D.Macfarlane 4738) * |
| | <i>Chamaexeros fimbriata</i> * |
| | <i>Lomandra effusa</i> * |
| | <i>Lomandra</i> sp. Lochada (T.D.MacFarland 4833) * |
| | <i>Thysanotus manglesianus</i> |
| | <i>Thysanotus pyramidalis</i> * |
| | <i>Thysanotus</i> sp. Lochada (T.D.Macfarlane 4860) * |
| Asteraceae | <i>Brachyscome lineariloba</i> |
| | <i>Cephalipterum drummondii</i> * |
| | <i>Hypochaeris glabra</i> ^ |
| | <i>Myriocephalus guerinae</i> * |
| | <i>Olearia pimeleoides</i> |
| | <i>Podotheca gnaphalioides</i> |
| | <i>Rhodanthe collina</i> |
| | <i>Rhodanthe spicata</i> |
| | <i>Rhodanthe stricta</i> |
| | <i>Schoenia cassiniana</i> * |
| Boraginaceae | <i>Halgania integerrima</i> * |
| Boryaceae | <i>Borya constricta</i> * |
| | <i>Borya sphaerocephala</i> |
| Brassicaceae | <i>Sisymbrium orientale</i> ^ |
| | <i>Stenopetalum salicola</i> |
| Campanulaceae | <i>Isotoma petraea</i> |

| Flowering Plants | |
|---------------------------|--|
| Family | Species |
| Caryophyllaceae | <i>Silene nocturna</i> ^ |
| Celastraceae | <i>Stackhousia monogyna</i> * |
| Chenopodiaceae | <i>Chenopodium murale</i> ^ |
| | <i>Tecticornia doleiformis</i> |
| | <i>Tecticornia loriae</i> |
| | <i>Tecticornia</i> sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) |
| Colchicaceae | <i>Wurmbea densiflora</i> |
| | <i>Wurmbea inframediana</i> |
| Convolvulaceae | <i>Duperreya sericea</i> * |
| Crassulaceae | <i>Crassula exserta</i> * |
| Cucurbitaceae | <i>Citrullus colocynthis</i> ^ |
| Cyperaceae | <i>Chrysitrix distigmata</i> * |
| | <i>Cyperus tenellus</i> * ^ |
| | <i>Isolepis congrua</i> * |
| | <i>Schoenus humilis</i> * |
| Dilleniaceae | <i>Hibbertia arcuata</i> * |
| Droseraceae | <i>Drosera glanduligera</i> * |
| | <i>Drosera</i> sp. (T.D.Macfarlane 4733) * |
| Ecdeiocoleaceae | <i>Ecdeiocolea monostachya</i> * |
| Ericaceae | <i>Leucopogon</i> sp. Clyde Hill (M.A. Burgman 1207) |
| Euphorbiaceae | <i>Calycopeplus paucifolius</i> |
| | <i>Ricinocarpus velutinus</i> |
| Fabaceae | <i>Acacia acanthoclada</i> subsp. <i>glaucescens</i> |
| | <i>Acacia acuminata</i> |
| | <i>Acacia</i> aff. <i>coolgardiensis</i> |
| | <i>Acacia aneura</i> |
| | <i>Acacia anthochaera</i> |
| | <i>Acacia assimilis</i> subsp. <i>assimilis</i> * |
| <i>Acacia burkittii</i> * | |



| Flowering Plants | |
|------------------------------|---|
| Family | Species |
| Fabaceae | <i>Acacia colletioides</i> * |
| | <i>Acacia coolgardiensis</i> |
| | <i>Acacia eremaea</i> |
| | <i>Acacia exocarpoides</i> |
| | <i>Acacia incognita</i> |
| | <i>Acacia jibberdingensis</i> |
| | <i>Acacia longispinea</i> * |
| | <i>Acacia masliniana</i> |
| | <i>Acacia multispicata</i> |
| | <i>Acacia quadrimarginea</i> |
| | <i>Acacia ramulosa</i> var. <i>ramulosa</i> |
| | <i>Acacia rhodophloia</i> |
| | <i>Acacia scleroclada</i> |
| | <i>Acacia sibina</i> |
| | <i>Acacia</i> sp. narrow phyllode (B.R. Maslin 7831) |
| | <i>Acacia tetragonophylla</i> * |
| | <i>Acacia tysonii</i> |
| | <i>Acacia umbraculiformis</i> |
| | <i>Glycine canescens</i> |
| | <i>Isotropis forrestii</i> |
| <i>Jacksonia arenicola</i> * | |
| <i>Mirbelia ramulosa</i> * | |
| <i>Senna charlesiana</i> | |
| <i>Swainsona gracilis</i> * | |
| Goodeniaceae | <i>Dampiera lavandulacea</i> |
| | <i>Velleia rosea</i> * |
| Gyrostemonaceae | <i>Glischrocaryon aureum</i> |
| Hemerocallidaceae | <i>Caesia</i> sp. Wongan (K.F.Kenneally 8820) * |
| | <i>Hypoxis glabella</i> var. <i>glabella</i> |
| Juncaceae | <i>Juncus bufonius</i> * ^ |
| | <i>Juncus capitatus</i> * ^ |
| Juncaginaceae | <i>Triglochin</i> sp. A Flora of Australia (G.J.Keighery 2477) * |
| Lamiaceae | <i>Dicrastylis parvifolia</i> * |
| | <i>Hemigenia</i> sp. Yuna (A.C. Burns 95) |

| Flowering Plants | |
|-------------------------------|---|
| Family | Species |
| Lamiaceae | <i>Prostanthera eckersleyana</i> * |
| | <i>Prostanthera</i> sp. Karara (D.Coultas & K.Greenacre Opp 8) |
| Loranthaceae | <i>Amyema fitzgeraldii</i> * |
| | <i>Amyema miquelii</i> |
| | <i>Amyema nestor</i> |
| Malvaceae | <i>Abutilon</i> sp. (M. Trudgen 80) * |
| | <i>Brachychiton gregorii</i> |
| | <i>Keraudrenia velutina</i> subsp. <i>velutina</i> * |
| | <i>Lawrencia squamata</i> |
| | <i>Rulingia kempeana</i> |
| | <i>Rulingia luteiflora</i> |
| | <i>Sida calyxhymenia</i> * |
| | <i>Myrtaceae</i> |
| Myrtaceae | <i>Aluta aspera</i> subsp. <i>hesperia</i> * |
| | <i>Baeckea</i> sp. Wanarra (M.E. Trudgen MET 5376) |
| | <i>Calytrix leschenaultii</i> |
| | <i>Calytrix</i> sp. Paynes Find (F. & J. Hort 1188) |
| | <i>Darwinia capitellata</i> * |
| | <i>Eucalyptus ewartiana</i> |
| | <i>Eucalyptus horistes</i> |
| | <i>Eucalyptus jutsonii</i> subsp. <i>kobela</i> |
| | <i>Eucalyptus kochii</i> subsp. <i>amaryssia</i> |
| | <i>Eucalyptus kochii</i> subsp. <i>plenissima</i> |
| | <i>Eucalyptus leptopoda</i> subsp. <i>arctata</i> * |
| | <i>Eucalyptus loxophleba</i> subsp. <i>supralaevis</i> |
| | <i>Eucalyptus synandra</i> # ~ |
| | <i>Homalocalyx thryptomenoides</i> * |
| | <i>Malleostemon tuberculatus</i> |
| | <i>Melaleuca atroviridis</i> |
| | <i>Melaleuca hamata</i> |
| | <i>Melaleuca lateriflora</i> |
| | <i>Melaleuca leiocarpa</i> * |
| <i>Melaleuca stereophloia</i> | |



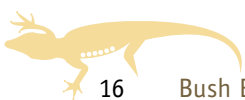


| Flowering Plants | |
|------------------|---|
| Family | Species |
| Myrtaceae | <i>Melaleuca thyoides</i> |
| | <i>Melaleuca uncinata</i> |
| | <i>Micromyrtus racemosa</i> |
| | <i>Micromyrtus sulphurea</i> |
| | <i>Thryptomene costata</i> * |
| Orchidaceae | <i>Caladenia drummondii</i> |
| | <i>Caladenia hirta</i> |
| | <i>Caladenia incrassata</i> |
| | <i>Caladenia mesocera</i> |
| | <i>Caladenia roei</i> |
| | <i>Caladenia vulgata</i> |
| | <i>Cyanicula fragrans</i> |
| | <i>Microtis graniticola</i> |
| | <i>Prasophyllum gracile</i> * |
| | <i>Pterostylis spathulata</i> |
| | <i>Thelymitra antennifera</i> |
| Phrymaceae | <i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158) * |
| Plumbaginaceae | <i>Limonium lobatum</i> ^ |
| Poaceae | <i>Amphibromus nervosus</i> * |
| | <i>Austrodanthonia caespitosa</i> * |
| | <i>Austrostipa elegantissima</i> * |
| | <i>Eragrostis dielsii</i> * |
| | <i>Eriachne ovata</i> * |
| | <i>Eriachne pulchella</i> subsp. <i>pulchella</i> * |
| | <i>Lamarckia aurea</i> * ^ |
| | <i>Pentaschistis airoides</i> subsp. <i>airoides</i> * ^ |
| | <i>Schismus barbatus</i> * ^ |
| | <i>Triodia tomentosa</i> * |
| Polygalaceae | <i>Comesperma integerrimum</i> * |
| Polygonaceae | <i>Emex australis</i> ^ |
| Portulacaceae | <i>Calandrinia granulifera</i> * |
| | <i>Calandrinia</i> sp. Bullardoo (F.Obbens & F.Hort FO 57/04) |

| Flowering Plants | |
|------------------------------|---|
| Family | Species |
| Proteaceae | <i>Banksia benthamiana</i> |
| | <i>Banksia purdieana</i> |
| | <i>Grevillea hakeoides</i> subsp. <i>stenophylla</i> |
| | <i>Grevillea levis</i> |
| | <i>Grevillea nematophylla</i> |
| | <i>Grevillea obliquistigma</i> subsp. <i>obliquistigma</i> * |
| | <i>Grevillea sarissa</i> subsp. <i>sarissa</i> * |
| | <i>Hakea circumalata</i> |
| | <i>Hakea invaginata</i> * |
| | <i>Hakea recurva</i> subsp. <i>recurva</i> |
| | <i>Petrophile incurvata</i> |
| <i>Petrophile pauciflora</i> | |
| Restionaceae | <i>Lepidobolus densus</i> ms * |
| Rhamnaceae | <i>Cryptandra apetala</i> var. <i>apetala</i> * |
| Rutaceae | <i>Drummondita fulva</i> |
| | <i>Philotheca brucei</i> subsp. <i>brucei</i> |
| | <i>Philotheca deserti</i> subsp. <i>deserti</i> * |
| | <i>Philotheca glabra</i> * |
| | <i>Philotheca tomentella</i> |
| Santalaceae | <i>Santalum acuminatum</i> |
| Scrophulariaceae | <i>Eremophila clarkei</i> * |
| | <i>Eremophila forrestii</i> subsp. <i>forrestii</i> * |
| | <i>Eremophila latrobei</i> subsp. <i>latrobei</i> |
| | <i>Eremophila miniata</i> |
| | <i>Nicotiana cavicola</i> |
| Solanaceae | <i>Solanum ellipticum</i> * |
| | <i>Solanum lasiophyllum</i> * |
| | <i>Solanum nummularium</i> * |
| | <i>Solanum</i> sp. aff. <i>lasiophyllum</i> (T.D. Macfarlane 4874) * |
| | <i>Levenhookia leptantha</i> * |
| Stylidiaceae | <i>Levenhookia leptantha</i> * |
| Thymelaeaceae | <i>Pimelea avonensis</i> |
| | <i>Pimelea microcephala</i> subsp. <i>microcephala</i> |



| Conifers | |
|--------------|-------------------------------|
| Family | Species |
| Cupressaceae | <i>Callitris columellaris</i> |





Appendix B: Rare and Threatened Species

Nomenclature and taxonomy used in this appendix are consistent with that from the Australian Faunal Directory (AFD), the Australian Plant Name Index (APNI) and the Australian Plant Census (APC).

Current at March 2012



Fauna

| Species | Status |
|-------------------------------|-------------------------------------|
| <i>Egernia stokesii badia</i> | EPBC — Endangered, WCA — Vulnerable |

Flora

| Species | Status |
|---|-------------------------------------|
| <i>Banksia benthamiana</i> | P4 |
| <i>Drummondita fulva</i> | P3 |
| <i>Eucalyptus jutsonii</i> subsp. <i>kobela</i> | P1 |
| <i>Eucalyptus synandra</i> | EPBC — Vulnerable, WCA — Vulnerable |
| <i>Lepidobolus densus</i> ms * | P3 |
| <i>Petrophile pauciflora</i> | P3 |
| <i>Rhodanthe collina</i> | P1 |

EPBC = Refers to the *Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth)

WCA = Refers to the *Wildlife Conservation Act 1950* (Western Australia)

P1–P4 Are priority taxa within WA.

P1–P3 Are poorly known, do not meet adequacy of survey requirements for listing as threatened taxa, but appear under threat, or could be affected by known threatening processes.

P4 Are well surveyed and not threatened but rare.

For more information see: <http://florabase.calm.wa.gov.au/conservationtaxa>

* New record for this reserve

Previously recorded on the reserve but not found on this survey





Appendix C: Exotic and Pest Species

Nomenclature and taxonomy used in this appendix are consistent with that from the Australian Faunal Directory (AFD), the Australian Plant Name Index (APNI) and the Australian Plant Census (APC).

Current at March 2012



Fauna

| Species | Common name |
|------------------------------|--------------------|
| <i>Apis mellifera</i> * | European Honey Bee |
| <i>Capra hircus</i> | Goat |
| <i>Felis catus</i> | Cat |
| <i>Mus musculus</i> | Mouse |
| <i>Oryctolagus cuniculus</i> | Rabbit |

Flora

| Species | Common name |
|--|----------------------------|
| <i>Chenopodium murale</i> | Nettle-leaf Goosefoot |
| <i>Citrullus colocynthis</i> | Afghan Melon |
| <i>Cyperus tenellus</i> * | Tiny Flatsedge |
| <i>Emex australis</i> | Doublegee |
| <i>Hypochaeris glabra</i> | Flatweed |
| <i>Juncus bufonius</i> * | Toad Rush |
| <i>Juncus capitatus</i> * | Capitate Rush |
| <i>Lamarckia aurea</i> * | Goldentop |
| <i>Limonium lobatum</i> * | Sea Lavender |
| <i>Pentaschistis airoides</i> subsp. <i>airoides</i> * | False Hairgrass |
| <i>Schinus molle</i> var. <i>areira</i> | Pepper Tree |
| <i>Schismus barbatus</i> * | Common Mediterranean Grass |
| <i>Silene nocturna</i> | Mediterranean Catchfly |
| <i>Sisymbrium orientale</i> | Indian Hedge Mustard |

* New record for this reserve

Previously recorded on the reserve but not found on this survey





Notes



Notes





© Commonwealth of Australia 2012

This work is copyright. Apart from any use as permitted under the *Copyright Act 1968*, no part may be reproduced by any process without prior written permission from the Commonwealth.

Requests and inquiries concerning reproduction and rights should be addressed to:

Director
 Australian Biological Resources Study (ABRS)
 GPO Box 787
 Canberra ACT 2601
 Australia

Email abrs@environment.gov.au

Disclaimer

The views and opinions expressed in this publication are those of the authors and do not necessarily reflect those of the Australian Government or the Minister for Sustainability, Environment, Water, Population and Communities.

While reasonable efforts have been made to ensure that the contents of this publication are factually correct, the Commonwealth does not accept responsibility for the accuracy or completeness of the contents, and shall not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on, the contents of this publication.

PUBLISHER ABRS, Canberra
EDITOR ABRS
DESIGNER B Kuchlmayr (ABRS)

COVER PHOTO Goldfield's Spiny-tailed Gecko
 (*Strophurus assimilis*),
 Charles Darwin Reserve © S Wilson

All publications are available online at:

www.bushblitz.org.au

This supplement contains the appendices from the Bush Blitz survey report:

- + Avon Wheatbelt & Yalgoo Bioregions 2009 including Charles Darwin, Kadji Kadji, Lochada and Karara Reserves, WA. ISBN: 978 0 642 56865 6

Supplements available:

- + Charles Darwin Reserve
- + Kadji Kadji Reserve
- + Karara Reserve
- + Lochada Reserve

What is Bush Blitz?

Bush Blitz is a three-year, multi-million dollar partnership between the Australian Government, BHP Billiton and Earthwatch Australia to document plants and animals in selected properties across Australia's National Reserve System.

This innovative partnership harnesses the expertise of many of Australia's top scientists from museums, herbaria, universities, and other institutions and organisations across the country.



Bush Blitz survey report

Western Australia + 2009

Lochada Reserve Supplement



CARING FOR
OUR COUNTRY

