



BUSH BLITZ SPECIES DISCOVERY PROGRAM



Murphys Flat Reserve Supplement



CARING FOR
OUR COUNTRY



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Key

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

Putative new species

Previously recorded on the reserve but not found on this survey

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

TSP = *Threatened Species Protection Act 1995* (Tasmania)





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 April 2012



Fauna

Vertebrates

Birds		
Family	Species	Common name
Accipitridae	<i>Circus approximans</i>	Swamp Harrier
Artamidae	<i>Cracticus torquatus</i>	Grey Butcherbird
Meliphagidae	<i>Phylidonyris pyrrhoptera</i>	Crescent Honeyeater
Monarchidae	<i>Myiagra cyanoleuca</i> *	Satin Flycatcher
Pardalotidae	<i>Pardalotus punctatus</i>	Spotted Pardalote
Petroicidae	<i>Petroica phoenicea</i>	Flame Robin
Psittacidae	<i>Platycercus caledonicus</i>	Green Rosella
Rallidae	<i>Porphyrio porphyrio</i>	Purple Swamphen
	<i>Tribonyx mortierii</i>	Tasmanian Native-hen

Fishes		
Family	Species	Common name
Anguillidae	<i>Anguilla australis</i>	Southern Shortfin Eel
Bovichtidae	<i>Pseudaphritis urvillii</i>	Freshwater Flathead
Eleotridae	<i>Philypnodon grandiceps</i>	Flathead Gudgeon
Galaxiidae	<i>Galaxias maculatus</i>	Common Galaxias
	<i>Lovettia sealii</i>	Tasmanian Whitebait
Gobiidae	<i>Afurcagobius tamarensis</i>	Tamar Goby
Retropinnidae	<i>Retropinna tasmanica</i>	Tasmanian Smelt
Salmonidae	<i>Salmo trutta</i>	Brown Trout

Frogs		
Family	Species	Common name
Myobatrachidae	<i>Crinia signifera</i>	Common Froglet





Mammals		
Family	Species	Common name
Felidae	<i>Felis catus</i> ^	Cat
Leporidae	<i>Oryctolagus cuniculus</i> ^	Rabbit
Macropodidae	<i>Macropus rufogriseus</i>	Red-necked Wallaby
	<i>Thylogale billardierii</i> *	Tasmanian Pademelon
Muridae	<i>Hydromys chrysogaster</i> *	Water Rat
	<i>Mus musculus</i> ^	House Mouse
	<i>Rattus lutreolus</i> *	Swamp Rat
	<i>Rattus norvegicus</i> ^	Brown Rat
	<i>Rattus rattus</i> ^	Black Rat
Ornithoryhynchidae	<i>Ornithoryhynchus anatinus</i> *	Platypus
Peramelidae	<i>Isoodon obesulus</i> * #	Southern Brown Bandicoot
	<i>Perameles gunnii</i> #	Eastern Barred Bandicoot
Phalangeridae	<i>Trichosurus vulpeca</i>	Common Brushtail Possum
Potoroidae	<i>Bettongia gaimardi</i>	Tasmanian Bettong
	<i>Potorous tridactylus</i>	Long-nosed Potoroo



Invertebrates

Butterflies and Moths	
Family	Species
Geometridae	<i>Chlorocoma cadmaria</i> *
	<i>Chlorocoma dichloraria</i> *
	<i>Chrysolarentia interruptata</i> *
	<i>Chrysolarentia mecynata</i> *
	<i>Ciampa arietaria</i> *
	<i>Dichromodes</i> sp. 2 *
	<i>Dichromodes stilbiata</i> *
	<i>Ectropis fractaria</i> *
	<i>Hypobapta percomptaria</i> *
	<i>Melitulias glandulata</i> *
	<i>Microdes</i> sp. *

Butterflies and Moths	
Family	Species
Geometridae	<i>Parosteodes fictiliaria</i> *
	<i>Phelotis cognata</i> *
	<i>Poecilasthena pulchraria</i> *
	<i>Prasinocyma semicrocea</i> *
	<i>Scioglyptis lyciaria</i> *
	<i>Scioglyptis</i> sp. *
	<i>Scopula optivata</i> *
	<i>Syneora mundifera</i> *
Nymphalidae	<i>Nymphula nitens</i>
Pieridae	<i>Pieris rapae</i> * ^

True Bugs	
Family	Species
Pentatomidae	<i>Cuspicona stenuella</i> *
	Pentatominid gen. et n. sp. nov. 1 *
Reduviidae	<i>Peirates</i> sp. *

Dragonflies	
Family	Species
Coenagrionidae	<i>Ischnura aurora</i> *
	<i>Ischnura heterosticta tasmanica</i>
Hemicorduliidae	<i>Hemicordulia australiae</i>

Grasshoppers	
Family	Species
Trigonidiidae	<i>Bobilla</i> sp. *





Caddisflies	
Family	Species
Hydrobiosidae	Hydrobiosidae sp. *
	<i>Taschorema ferulum</i> *
Leptoceridae	indet. genus, sp. (<i>Notalina</i> sp. 2 ?) *
	<i>Notalina parkeri</i> *
	<i>Oecetis pechana</i> *
	<i>Oecetis</i> sp.
	<i>Symphitoneuria opposita</i> *

Spiders	
Family	Species
Araneidae	<i>Araneus arenaceus</i> *
Linyphiidae	Linyphiidae unid. sp. (1) *
	Linyphiidae unid. sp. (2) *
Lycosidae	<i>Artoria</i> (sp. 2?) *
	<i>Artoria albopilata</i> *
	<i>Artoria</i> n. sp. (<i>Artoria cingulipes</i> group) *
	<i>Artoria victoriensis</i> *
	<i>Kangarosa tasmaniensis</i> *
	Lycosidae n. gen, n. sp. "Grey Wolf Spider" *
	<i>Venatrix pictiventris</i> *

Spiders	
Family	Species
Oxyopidae	<i>Oxyopes</i> unid. sp. *
Pisauridae	<i>Dolomedes</i> n. sp. 1 *
Salticidae	<i>Opisthoncus</i> unid. sp. (<i>magnidens</i> ?) *
	<i>Rhene</i> unid. sp. *
	unid. genus ("Longtrocs"), sp. *
Tetragnathidae	<i>Tetragnatha</i> unid. sp. *
Thomisidae	<i>Sidymella</i> sp. 1 *
Zoridae	<i>Thasyrhea</i> unid. sp. *

Snails and Slugs	
Family	Species
Agriolimacidae	<i>Deroceras reticulatum</i> *
Helicidae	<i>Cantareus aspersa</i> * ^
Hygromiidae	<i>Microxeromagna armillata</i> * ^
	<i>Prietocella barbara</i> * ^
Punctidae	<i>Paralaoma servilis</i> *
	<i>Paralaoma</i> sp. "Knocklofty" *
Vitrinidae	<i>Vitrina pellucida</i> * ^
Zonitidae	<i>Oxychilus cellarius</i> * ^



Flora

Flowering Plants	
Family	Species
Aizoaceae	<i>Carpobrotus rossii</i> *
Amaranthaceae	<i>Ptilotus spathulatus</i>
Apiaceae	<i>Foeniculum vulgare</i> * ^
Asteraceae	<i>Brachyscome rigidula</i> ~
	<i>Carduus pycnocephalus</i> * ^
	<i>Chrysanthemoides monilifera</i> subsp. <i>monilifera</i> * ^
	<i>Chrysocephalum apiculatum</i>
	<i>Conyza bonariensis</i> * ^
	<i>Cotula australis</i>
	<i>Dittrichia graveolens</i> * ^
	<i>Helichrysum luteoalbum</i>
	<i>Lagenophora stipitata</i>
	<i>Leptorhynchus squamatus</i>
	<i>Millotia tenuifolia</i>
	<i>Olearia glandulosa</i> *
	<i>Olearia ramulosa</i>
	<i>Ozothamnus obcordatus</i>
	<i>Senecio quadridentatus</i>
	<i>Solenogyne gunnii</i>
	<i>Sonchus oleraceus</i> * ^
	<i>Vellereophyton dealbatum</i> * ^
Brassicaceae	<i>Hirschfeldia incana</i> * ^
Campanulaceae	<i>Lobelia anceps</i> *
Casuarinaceae	<i>Allocasuarina verticillata</i>
Chenopodiaceae	<i>Atriplex prostrata</i> * ^
	<i>Chenopodium glaucum</i> * ^
	<i>Dysphania pumilio</i> * ^
	<i>Einadia nutans</i> subsp. <i>nutans</i>
Cyperaceae	<i>Isolepis cernua</i> *
	<i>Schoenoplectus pungens</i> *
	<i>Schoenus nitens</i> *
Dipsacaceae	<i>Dipsacus fullonum</i> * ^
Ericaceae	<i>Astroloma humifusum</i>
	<i>Epacris impressa</i>
Euphorbiaceae	<i>Euphorbia lathyris</i> * ^
	<i>Poranthera microphylla</i>
Fabaceae	<i>Acacia dealbata</i>
	<i>Acacia mearnsii</i>
	<i>Acacia verticillata</i>
	<i>Lotus angustissimus</i> * ^

Flowering Plants	
Family	Species
Geraniaceae	<i>Erodium cicutarium</i> *
	<i>Geranium sp.</i> *
Goodeniaceae	<i>Goodenia ovata</i> *
	<i>Selliera radicans</i> *
Hemerocallidaceae	<i>Dianella revoluta</i>
Juncaceae	<i>Juncus kraussii</i> subsp. <i>australiensis</i> *
Malvaceae	<i>Malva sylvestris</i> * ^
Menyanthaceae	<i>Villarsia reniformis</i>
Myrtaceae	<i>Eucalyptus amygdalina</i>
	<i>Eucalyptus viminalis</i> subsp. <i>viminalis</i>
	<i>Leptospermum lanigerum</i>
Onagraceae	<i>Epilobium billardiereum</i>
	<i>Epilobium billardiereum</i> subsp. <i>intermedium</i>
	<i>Epilobium ciliatum</i> * ^
Phrymaceae	<i>Mimulus repens</i>
Plantaginaceae	<i>Plantago lanceolata</i> * ^
Poaceae	<i>Dactylis glomerata</i> * ^
	<i>Digitaria sanguinalis</i> * ^
	<i>Eleusine tristachya</i> * ^
	<i>Panicum hillmanii</i> * ^
	<i>Paspalum dilatatum</i> * ^
	<i>Phragmites australis</i> *
	<i>Setaria verticillata</i> * ^
Polygonaceae	<i>Rumex crispus</i> * ^
Primulaceae	<i>Lysimachia arvensis</i> * ^
	<i>Samolus repens</i> *
Restionaceae	<i>Leptocarpus tenax</i> *
Rosaceae	<i>Crataegus monogyna</i> * ^
	<i>Rosa rubiginosa</i> * ^
Sapindaceae	<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>
Scrophulariaceae	<i>Veronica gracilis</i>
Solanaceae	<i>Lycium ferocissimum</i> * ^
	<i>Solanum nigrum</i> * ^
	<i>Solanum physalifolium</i> var. <i>nitidibaccatum</i> * ^
Thymelaeaceae	<i>Pimelea glauca</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 April 2012



Fauna

Species	Common name	Status
<i>Isoodon obesulus</i> *	Southern Brown Bandicoot	EPBC — Endangered
<i>Perameles gunnii</i>	Eastern Barred Bandicoot	EPBC — Vulnerable

Flora

Species	Common name	Status
<i>Brachyscome rigidula</i>	Cutleaf Daisy	TSP — Vulnerable

Key EPBC = *Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth)
 TSP = *Threatened Species Protection Act 1995* (Tasmania)
 * = New record for this reserve





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 April 2012



Fauna

Species	Common name
<i>Cantareus aspersa</i> *	Common Garden Snail
<i>Felis catus</i>	Cat
<i>Microxeromagna armillata</i> *	Small Brown Snail
<i>Mus musculus</i>	House Mouse
<i>Oryctolagus cuniculus</i>	Rabbit
<i>Oxychilus cellarius</i> *	Cellar Snail
<i>Pieris rapae</i> *	Cabbage White Butterfly
<i>Prietocella barbara</i> *	Small Pointed Snail
<i>Rattus norvegicus</i>	Brown Rat
<i>Rattus rattus</i>	Black Rat
<i>Vitrina pellucida</i> *	Western Glass Snail

* = New record for this reserve

Previously recorded on the reserve but not found on this survey





Flora

Species	Common name
<i>Atriplex prostrata</i> *	–
<i>Carduus pycnocephalus</i> *	–
<i>Chenopodium glaucum</i> *	Glaucous Goosefoot
<i>Chrysanthemoides monilifera</i> subsp. <i>monilifera</i> *	Boneseed
<i>Conyza bonariensis</i> *	Cobbler's Pegs
<i>Crataegus monogyna</i> *	Hawthorn
<i>Dactylis glomerata</i> *	Cocksfoot
<i>Digitaria sanguinalis</i> *	Crab Grass
<i>Dipsacus fullonum</i> *	Wild Teazle
<i>Dittrichia graveolens</i> *	Camphor Inula
<i>Dysphania pumilio</i> *	Clammy Goosefoot
<i>Eleusine tristachya</i> *	American Crowsfoot Grass
<i>Epilobium ciliatum</i> *	–
<i>Euphorbia lathyris</i> *	Caper Spurge
<i>Foeniculum vulgare</i> *	Fennel
<i>Hirschfeldia incana</i> *	Buchan Weed
<i>Lotus angustissimus</i> *	Slender Bird's-foot Trefoil
<i>Lycium ferocissimum</i> *	African Boxthorn
<i>Lysimachia arvensis</i> *	Scarlet Pimpernel
<i>Malva sylvestris</i> *	Tall Mallow
<i>Panicum hillmanii</i> *	Witch-grass
<i>Paspalum dilatatum</i> *	Paspalum
<i>Plantago lanceolata</i> *	–
<i>Rosa rubiginosa</i> *	Briar Rose
<i>Rumex crispus</i> *	Curled Dock
<i>Setaria verticillata</i> *	Bristle Pigeon Grass
<i>Solanum nigrum</i> *	Black-berry Nightshade
<i>Solanum physalifolium</i> var. <i>nitidibaccatum</i> *	–
<i>Sonchus oleraceus</i> *	Sow Thistle
<i>Vellereophyton dealbatum</i> *	White Cudweed

* = New record for this reserve



Notes





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- + Tasmania 2010
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Supplements available:

- + Egg Islands Reserve
- + Flat Rock Reserve
- + Lower Porter Hill and Porter Hill Reserves
- + Murphys Flat Reserve
- + Seventeen Mile Plain Reserve
- + Vale of Belvoir 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

Tasmania + March 2010

Murphys Flat Reserve Supplement



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