

# 7. References

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## 7. References

### 7.1 References

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- Aplin, G. (1998) *Australians and their Environment*. Oxford University Press, Melbourne.
- AHC (2004) Register of the National Estate. Australian Heritage Commission, Department of the Environment and Heritage, Canberra. Available at <http://www.ahc.gov.au/register/index.html>
- Backhouse, G. N. & Jeanes, J. A. (1995) *The orchids of Victoria*. Melbourne University Press, Carlton.
- Bennett, A. F. (1999) Linkages in the landscape—the role of corridors and connectivity in wildlife conservation. IUCN Gland Switzerland and Cambridge UK.
- Bennett, A. F. and Ford, L. A. (1997) Land use, habitat change and the conservation of birds in fragmented rural environments: a landscape perspective from the Northern Plains, Victoria, Australia. *Pacific Conservation Biology* 3: 244-61.
- Brown, A., Nicol, S. & Koehn, J. (1998) Recovery Plan for the Trout Cod (*Maccullochella macquariensis*). Department of Environment and Heritage, Canberra.
- Clark, T. (1996) Identification and protection of relict box woodlands in the eastern Victorian Riverina. Australia Nature Conservation Agency and Department of Natural Resources and Environment, Victoria. Unpubl. report.
- Cogger, H. G. (1992) *Reptiles and Amphibians of Australia*. Reed Books, Sydney, NSW.
- Commonwealth of Australia (1996) *The National Strategy for the Conservation of Australia's biological diversity*. Department of Environment, Sport and Territories, Canberra.
- Commonwealth of Australia (1998) North East Comprehensive Regional Assessment (CRA)—Biodiversity Assessment component. Joint Commonwealth and Victorian Regional Forest Agreement (RFA) Steering Committee.
- Commonwealth of Australia (1999a) *Australian Guidelines for Establishing the National Reserve System*. Environment Australia, Canberra.
- Coventry, A. J. & Robertson, P. (1991) *The snakes of Victoria: a guide to their identification*. Department of Conservation and Environment, East Melbourne, Victoria.
- Cropper, S. (1996) *Vegetation on the Hume Freeway between Beveridge and Wodonga, Victoria (Sections 2, 3, 4 & 5)*. Unpubl. report prepared by *Botanicus* for VicRoads: North Eastern Region.
- Davidson, I. (1996) *Box-ironbark remnants project*. Department of Natural Resources and Environment, Victoria. (Unpublished).
- DSE (2003) *Advisory list of threatened vertebrate fauna in Victoria - 2003*. Department of Sustainability and Environment, Victoria. Available at <http://www.dse.vic.gov.au>.
- DSE (2004a) *Atlas of Victorian Wildlife*. Feb 2004. Department of Sustainability and Environment, Victoria.
- DSE (2004b) *Flora Information System*, Feb 2004. Department of Sustainability and Environment, Victoria.
- EA (1999a) *Threat Abatement Plan for Predation by Feral Cats*. Biodiversity Group in consultation with the Threat Abatement Team, Environment Australia, Canberra.
- EA (1999b) *Threat Abatement Plan for Predation by the European Red Fox*. Biodiversity Group in consultation with the Threat Abatement Team, Environment Australia, Canberra.
- EA (1999c) *Threat Abatement Plan for Competition and Land Degradation by Feral Goats*. Biodiversity Group, Environment Australia, Canberra.
- EA (1999d) *Threat Abatement Plan for Competition and Land Degradation by Feral Rabbits*. Biodiversity Group, Environment Australia, Canberra.
- EA (2001a) *Directory of Important Australian Wetlands (3rd edn.)*. Environment Australia.

## 7. References

### 7.1 References (contd.)

---

- EA (2001b) Threat Abatement Plan for Dieback caused by the root-rot fungus (*Phytophthora cinnamomi*). Environment Australia, Canberra.
- EA (2003) *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Commonwealth of Australia, Canberra. Available at <http://www.deh.gov.au>.
- ECC (1997) Box-Ironbark Forests and Woodlands Investigation—Resources and Issues Report. Environment Conservation Council, Victoria.
- ECC (2001) Box-ironbark forests and woodlands investigation: final report: summary. Environment Conservation Council, Victoria.
- Emison, W. B., Beardsell, C. M., Norman, F. I., Loyn, R. H. & Bennett, S. C. (1987) Atlas of Victorian Birds. Department of Conservation, Forests and Lands; and Royal Australasian Ornithologists Union, Melbourne.
- Fahrig, L. and Merriam, G. (1985) Habitat patch connectivity and population survival. *Ecology* 66: 1762-68.
- Freudenberger, D. (1999) Guidelines for enhancing Grassy Woodlands for the Vegetation Investment Project. Report commissioned by Greening Australia, ACT and SE NSW, Inc. CSIRO, Canberra.
- Hero, J., Littlejohn, M. & Marantelli, G. (1991) Frogwatch Field Guide to Victorian Frogs. Department of Conservation and Environment, Victoria.
- Indigo Shire Roadsides Committee (2003) Indigo Shire Council Roadside Management Plan. Indigo Shire Council.
- Indigo Shire & Rural City of Wangaratta (undated) Protecting our vegetated roadsides in the municipalities of Indigo and Wangaratta. Indigo Shire Council, Rural City of Wangaratta, and National Heritage Trust.
- JANIS (1997) Nationally agreed criteria for the establishment of a comprehensive adequate and representative reserve system for forests in Australia. Joint ANZECC/MFFCA National Forest Policy Statement Implementation Sub-committee, Canberra.
- Koehn, J. D. & O'Connor, W. G. (1990) Biological information for management of native freshwater fish in Victoria. Department of Conservation and Environment, Victoria.
- Lambeck, R. J. (1999) Landscape planning for biodiversity conservation in agricultural regions. Biodiversity Technical paper No. 2. Commonwealth of Australia, Canberra.
- LCC (1973) Report on the North Eastern Area (district 2). Land Conservation Council, Victoria.
- LCC (1974) Report on the North-East Area Districts 3, 4 and 5. Land Conservation Council, Victoria.
- LCC (1977) Final Recommendations North-eastern Study Area Districts 3, 4 and 5. Land Conservation Council, Victoria.
- LCC (1983) Report on the Murray Valley Area. Land Conservation Council, Victoria.
- LCC (1984) North-eastern Area (Benalla–Upper Murray) Review. Land Conservation Council, Victoria.
- LCC (1985) Final Recommendations Murray Valley Area. Land Conservation Council, Victoria.
- LCC (1986) Final Recommendations North-eastern Area (Benalla-Upper Murray) Review. Land Conservation Council, Victoria.
- LCC (1988) Statewide assessment of Public Land use, Victoria. Land Conservation Council, Melbourne.
- LCC (1991) Rivers and Streams Special Investigation Final Recommendations. Land Conservation Council, Victoria.

## 7. References

### 7.1 References (contd.)

---

- Lowe, K. W., Preece, K., Amos, N. & Parkes, D. (2000) Victoria's biodiversity reporting system: a bioregional approach to refining priorities and partnerships for biodiversity conservation. In "The Second Southern Hemisphere Ornithological Conference, Griffith University, Brisbane, Conference Programme and Book of Abstracts". Birds Australia Report Series Number 9. Birds Australia: Melbourne.
- Lowe, K.W., Griffioen, P. & Newell, G. (2002) Focal species analysis for the Riverina bioregion, Victoria. Parks, Flora and Fauna Division, Department of Natural Resources and Environment, Melbourne. (Unpublished report).
- Lowe, K. W., Griffioen, P. & Newell, G. (2003) Focal species analysis for the Northern Inland Slopes bioregion, Victoria. Parks, Flora and Fauna Division, Department of Sustainability and Environment, Melbourne. (Unpublished report).
- MacArthur, R. H. & Wilson, E. O. (1963) An equilibrium theory of insular zoogeography. *Evolution* 17: 373-87
- Menkhorst, P (ed.) (1995) *Mammals of Victoria: distribution, ecology and conservation*. Oxford University Press, Melbourne.
- Menkhorst, P., Schedvin N. & Geering D. (1999) Regent Honeyeater (*Xanthomyza phrygia*) Recovery Plan 1999-2003. Department of Natural Resources and Environment, May 1999
- NECMA (2003) North East Native Vegetation Plan. North East Catchment Management Authority.
- NECMA (2004) North East Regional Catchment Strategy (Draft Report, January 2004). North East Catchment Management Authority, Victoria.
- NLWRA (2002) Australian Terrestrial Biodiversity Assessment 2002. Land and Water Australia, on behalf of the Commonwealth of Australia, Canberra.
- North East Regional CLPB (1997) Regional Catchment Strategy. North East Regional Catchment and Land Protection Board, Victoria.
- NRE (1997) Victoria's Biodiversity – Our living Wealth, Sustaining Our Living Wealth, and Directions in Management. Department of Natural Resources and Environment, Victoria.
- NRE (2001a) Forest Management Plan for the North East. Department of Natural Resources and Environment, Victoria.
- NRE (2001b) North East Region Weed Action Plan 2001-2005. Department of Natural Resources and Environment, Victoria.
- NRE (2002a) Victoria's native vegetation management: A framework for action. Department of Natural Resources and Environment, Victoria.
- NRE (2002b) Healthy rivers, healthy communities & regional growth: the Victorian river health strategy. Department of Natural Resources and Environment, East Melbourne.
- NRE (2002c) Our forests, our future: Victorian Government statement on forests. Department of Natural Resources and Environment, Victoria.
- PV (1998a) Chiltern Box-Ironbark National Park Management Plan. Parks Victoria; Kew, Victoria.
- PV (2001) State of the Parks 2000. Parks Victoria, Melbourne.
- SAC (2004) Flora and Fauna Scientific Advisory Committee, Listing Database (February 2004). Department of Sustainability and Environment, Melbourne.
- SPRT (2000) Swift Parrot Recovery Plan 2001-2005. Swift Parrot Recovery Team. Department of Primary Industries, Water and Environment, Hobart.
- Straker, A., Lowe, K.W., McQueenie, J. & Platt, S. (2003). Native Biodiversity Resource Kit – Environmental Management in Agriculture. Department of Sustainability and Environment, Melbourne (CD ROM).

## 7. References

### 7.1 References (contd.)

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- Taws, N. (2001) Bringing birds back. Greening Australia, Canberra.
- Todd, J. A. (1999) Identification of priority areas for protection and establishment of protected areas, Riverina Bioregion, Victoria. Unpubl. confidential report prepared for Parks Flora and Fauna, Department of Natural Resources and Environment.
- Upper North East River Management Authority (1997) Lower Kiewa River Stabilisation Waterway Action Plan—Final Report. Prepared by I. D. & A. Pty. Ltd, Wangaratta.
- van der Ree, R. (1999) Barbed wire fencing as a hazard for wildlife. *Victorian Nat.* 116 (6): 210-217.
- Wierzbowski, P., Lowe, K., Handley, K., Berwick, S., Robinson, D. & Ahern, L. (2002) Biodiversity Action Planning—Strategic Overview for the Victorian Riverina bioregion. Department of Natural Resources & Environment. (Unpubl. draft).
- Wilson, J. A. & Lowe, K. W. (2003). Planning for the restoration of native biodiversity within the Goulburn Broken Catchment, Victoria, using spatial modelling. *Ecological Management and Restoration* 4 (3).

## **7. References**

### **7.2 Personal communications**

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Oates, Alison – DSE Landscape Ecologist, Flora Research Section, Arthur Rylah Institute for Environmental Research, Heidelberg.

Ransome, Simon – DSE (Land Victoria), East Melbourne, Victoria.

Robinson, Geoff – North East CMA, Wodonga, Victoria.

## 7. References

### 7.3 Acronyms

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ABS	Australian Bureau of Statistics
Bonn	Convention on the Conservation of Migratory Species (CMS) of Wild Animals (B)
BAP	Biodiversity Action Planning
BE	Bulk Entitlements
BMP	Best management practice
BNA	Bioregional Network Analysis
CAMBA	China–Australia Migratory Bird Agreement (C)
CAR	Comprehensive Adequate and Representative Reserve system
CFA	Country Fire Authority
CMA	Catchment Management Authority
CVA	Conservation Volunteers Australia
DPI	Department of Primary Industries
DSE	Department of Sustainability and Environment
ECC	Environment Conservation Council
EMS	Environmental Management System
EPBC	Environmental Protection & Biodiversity Conservation
ESAI	Ecologically Sustainable Agriculture Initiative
EVC	Ecological Vegetation Class
FFG	Flora & Fauna Guarantee
FMA	Forest Management Area
FMP	Forest Management Plan
GMZ	General Management Zone
IBRA	Interim Biogeographic Regionalisation for Australia
ISC	Index of Stream Condition
JAMBA	Japan–Australia Migratory Bird Agreement (J)
LCC	Land Conservation Council
LGA	Local Government Authority
MSS	Municipal Strategic Statement
NRE	Department of Natural Resources and Environment (former DSE)
NVP	Native Vegetation Plan
PV	Parks Victoria
RFA	Regional Forest Agreement
SMP	Salinity Management Plan
SMZ	Special Management Zone
SPZ	Special Protection Zone
VEAC	Victorian Environment Assessment Council

# **8. Acknowledgments**

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## 8. Acknowledgments

- The general format and bioregional content of this Plan is extensively based upon earlier Landscape Zone Plans prepared in Victoria by various authors with guidance and assistance from Christie Boyle, Kim Lowe and Heather Anderson (DSE) and from relevant CMA Biodiversity Managers.
- Information provided on the conservation status and ecological requirements of orchids occurring in the Zone was drawn from Backhouse & Jeanes (1995), but for brevity the source is not referenced at every point of use.
- Similarly, detailed descriptions of Ecological Vegetation Classes occurring in the Zone were heavily sourced from the report of the North East Comprehensive Regional Assessment—Biodiversity component (CRA) (Commonwealth of Australia 1998), and from North East Native Vegetation Plan (NECMA 2003) and are not always referenced in the asset summary.
- Geoff Robinson and Emmo Willinck (North East CMA) provided administrative and technical guidance during the preparation of this Plan.
- Kim Lowe (DSE) provided policy advice and ensured the necessary DSE logistic support throughout the Plan preparations.
- Christie Boyle and Heather Anderson (DSE) prepared high-quality map products from the DSE GIS database.
- Alison Oates (DSE Heidelberg) provide helpful advice on descriptions of Ecological Vegetation Classes not covered in the above source.
- Funding for the project was provided by Department of Sustainability and Environment and the Natural Heritage Trust.
- The zone-specific content of this Landscape Zone Plan (in particular, chapter 6) and the overall document were compiled by Leigh Ahern (Consultant, *Nature Scope* Pty Ltd, Yarra Glen).

# 9. Appendices

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## Appendix 1a. Bioregional Network Analysis

The background information on local management requirements of threatened taxa for this Bioregional Network Analysis (BNA) is drawn from the knowledge and experience of DSE natural resource managers, coordinated through Bioregional Networks within the Department. During 1999, the Bioregional Networks carried out a "desk-top" analysis of threatened species for all terrestrial bioregions in the State (Lowe et al. 2000).

BNA occurrence and risk ranking values have been determined for selected threatened taxa (see box) during BNA workshops run within the former NRE Regions. Lower-threat taxa may not have been ranked due to lack of time or inadequate local knowledge of the taxon.

BNA ranking values provide a simple means of apportioning bioregional priorities for management actions to benefit threatened taxa. These rankings are shown after each taxon in the *threatened biodiversity assets* section of each *asset summary* (see companion volumes), where the threatened taxa are listed in ranked order. Taxa with lower rankings for the particular land tenure type are so indicated by being assigned lesser response levels or being *unranked*.

The bioregional status and ranking (required response level) for each taxon is determined through five steps:

- **Occurrence in the bioregion.** Estimating the percentage of the State population which occurs within the bioregion (based on records on the former NRE flora and fauna databases).
- **Occurrence in different land tenures.** Estimating the percentage occurrence in each land tenure in the bioregion (based on the databases plus local knowledge and expertise).
- **Occurrence ranking** Allocating a ranking (1, 2, 3 or 4) for each parcel (see box), based on the importance of its contribution to the overall occurrence of the parcel within the state.
- **Risk ranking.** Estimating a risk ranking (A, B or C) for each parcel, based on the statewide conservation status of the taxon and its estimated population trend in this parcel.
- **Priority level.** Allocating an *expected response* level for action ie 1 (highest priority) to 4 (lower priority) for each parcel based on the combination of the Occurrence and Risk ranking. Guidance as to the type of response that is required at each of the expected response levels.

### DEFINITIONS

**Taxon:**

typically a *species*, but it may sometimes be a *unique form* of a species, or a closely related *group* of species.

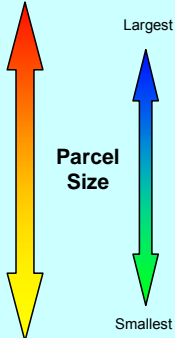
**Parcel:**

defined as the occurrence of a taxon on a particular land tenure—for example, a home range of a rare species which covered a park and adjacent private land would comprise two parcels.

## Appendix 1b. Guidelines for Bioregional Network Analysis

### CRITERIA

Parcel = % State (Species, Bioregion, Tenure)  
= Size and Risk

		More Concern ←————→ Less Concern Risk In Bioregion		
		Cr En ↓ → ? Vu ↓	En ↑ Vu → ?	Vu ↑
		Parcels > 50%	Insuff. Known Data Deficient	Rare Depleted Near Threatened
<b>More Important</b>  <b>Parcel Size</b> Largest Smallest <b>Less Important</b>	Top 50% of the States Population	Full Commitment	Substantive Participation	Planning Awareness / Opportunistic Action
	Middle 25%	Substantive Participation	Planning Awareness / Opportunistic Action	Planning Awareness / Watching Brief
	Lowest 25%	Substantive Participation	Planning Awareness / Watching Brief	Planning Awareness / Watching Brief
	Tiny Parcels	Planning Awareness / Opportunistic Action	Planning Awareness / Watching Brief	Planning Awareness / Watching Brief

### RESPONSE LEVELS

#### Planning

Planning Awareness / Watching Brief	- ensure that known occurrences are specifically catered for by planning zones and/or by environment assessment processes for development.
Planning Awareness / Opportunistic Action	- as above plus, ensure that management requirements are explicitly described where Forest Management Plans, Regional Vegetation Plans and Environment Action Plans are prepared.
Substantive Participation	- all above plus, participate in preparation of Action Statements / Recovery Plans (where they do not already exist).
Full Commitment	- all above plus, participate in finalisation of Action Statements / Recovery Plans.

#### Inventory / Monitoring

Planning Awareness / Watching Brief	- incorporate data from <i>ad hoc</i> observations.
Planning Awareness / Opportunistic Action	- as above plus, locate and confirm presence of known records and/or conduct targeted survey to ensure adequate coverage of occurrences.
Substantive Participation	- all above plus, initiate or continue surveillance monitoring of appropriate selection of populations.
Full Commitment	- lead substantial implementation of inventory / monitoring requirements from published or final draft Action Statements / Recovery Plans, or (if these documents do not exist) of all of the above.

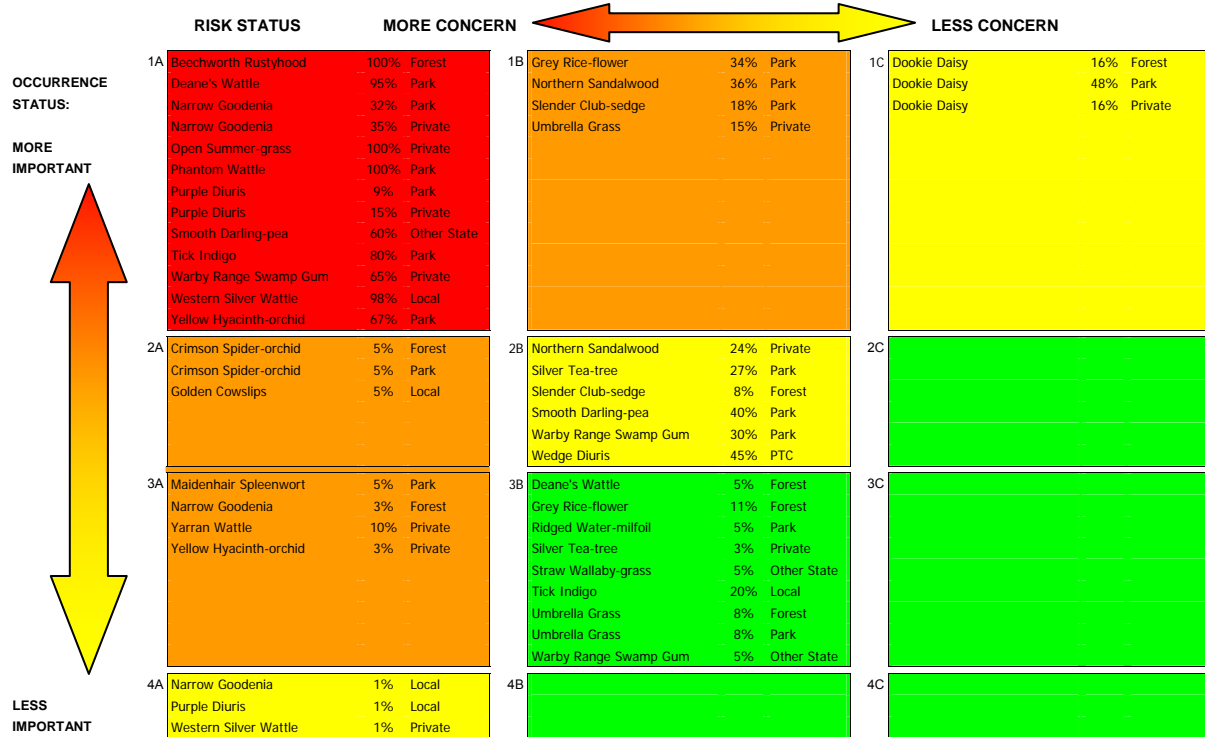
#### On-ground Management

Planning Awareness / Watching Brief	- no priority actions within 3 year horizon
Planning Awareness / Opportunistic Action	- facilitate progressive implementation of critical actions as external funding and partnership opportunities arise
Substantive Participation	- ensure progressive implementation of relevant actions from published or final draft Action Statements / Recovery Plans, or (if these documents do not exist) of all critical and most important actions identified through discussions in Bioregional Networks
Full Commitment	- lead substantial implementation of relevant actions from published or final draft Action Statements / Recovery Plans, or (if these documents do not exist) of all critical and most important actions identified through discussions in Bioregional Networks

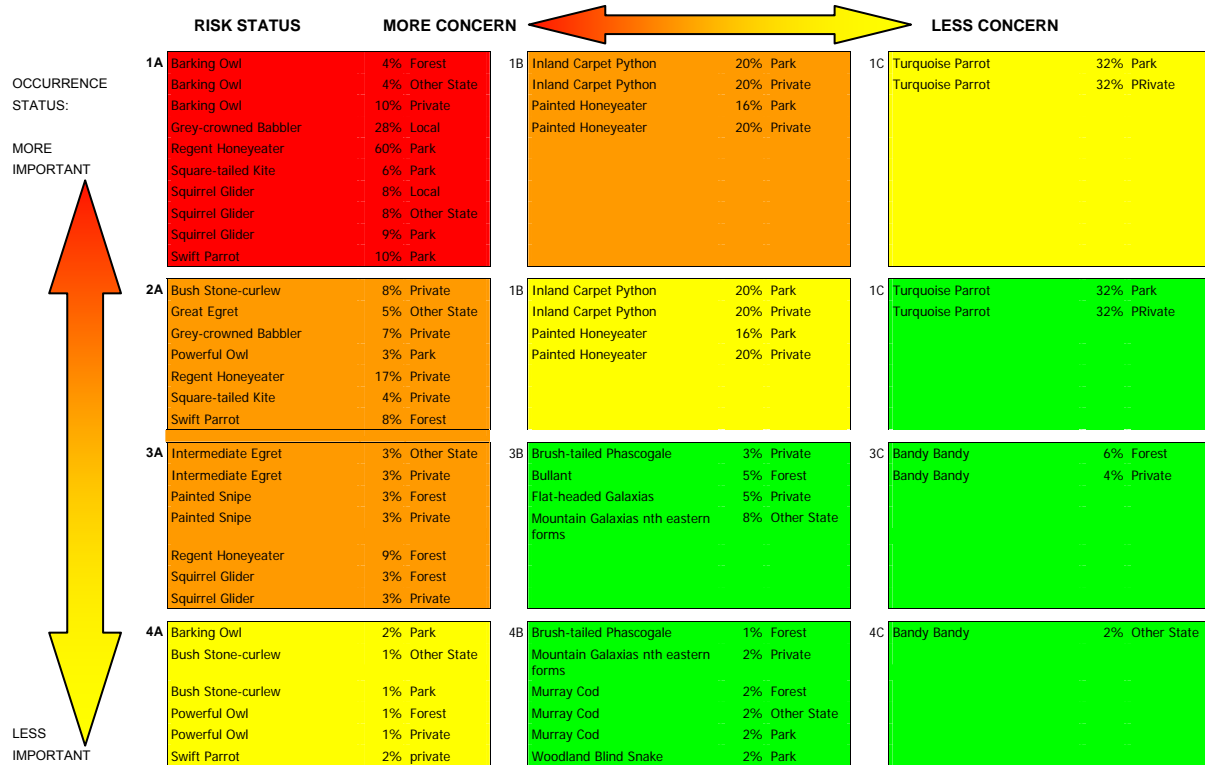
#### Research

Planning Awareness / Watching Brief	- no priority actions within 3 year horizon
Planning Awareness / Opportunistic Action	- facilitate progressive implementation of critical actions as external funding and partnership opportunities arise
Substantive Participation	- ensure progressive implementation of relevant actions from published or final draft Action Statements / Recovery Plans, or (if these documents do not exist) of all critical actions identified through discussions in Bioregional Networks
Full Commitment	- lead substantial implementation of relevant actions from published or final draft Action Statements / Recovery Plans, or (if these documents do not exist) of all critical and selected important actions identified through discussions in Bioregional Networks

### Appendix 1c. Bioregional Network Analysis priority/risk rankings for threatened flora in Northern Inland Slopes bioregion



### Appendix 1d. Bioregional Network Analysis priority/risk rankings for threatened fauna in Northern Inland Slopes bioregion

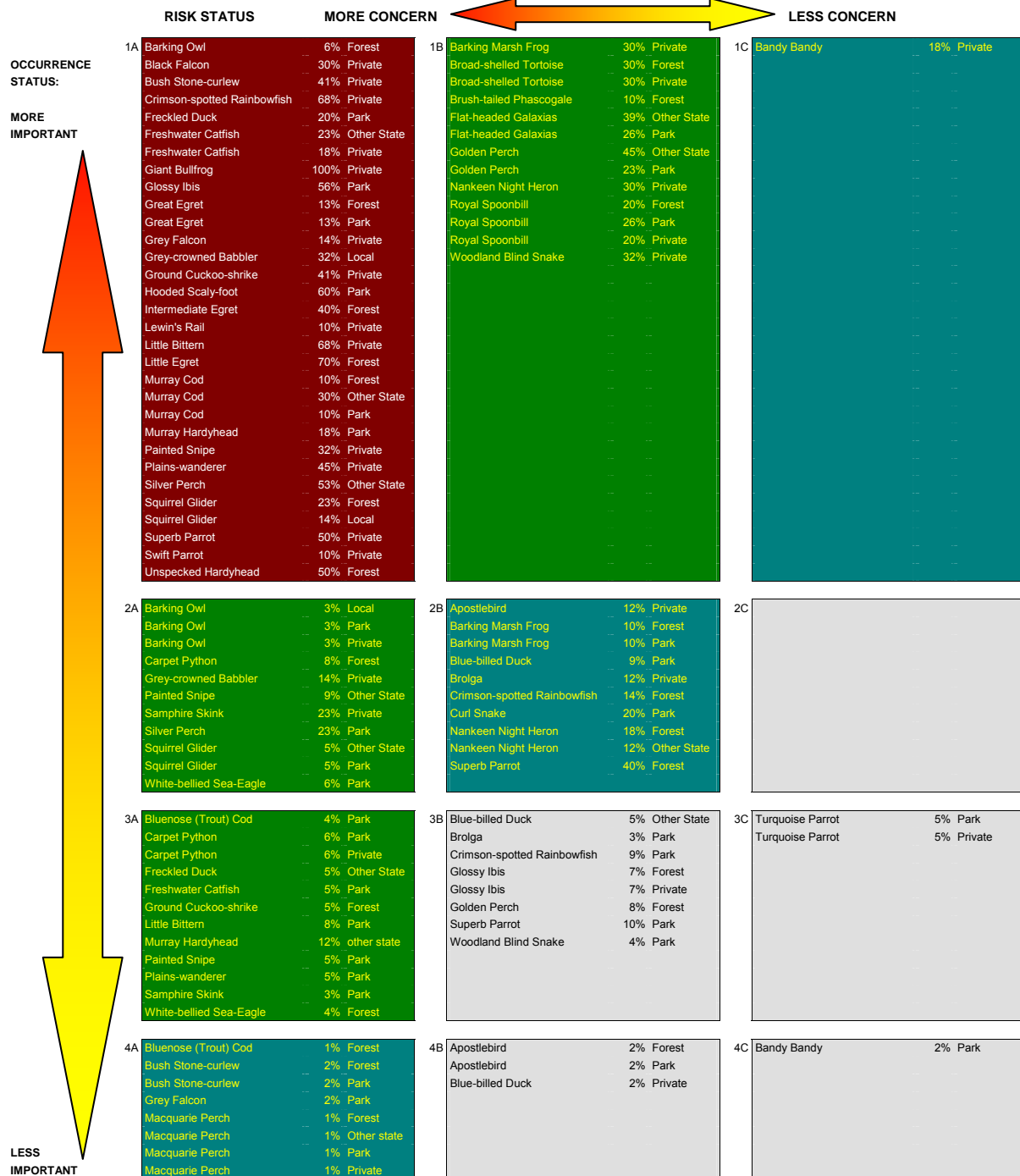


**Legend**

1A	Full Commitment
1B, 2A, 3A	Substantive Participation
1C, 2B, 4A	Planning Awareness / Opportunistic Action
2C, 3B, 3C, 4B, 4C	Planning Awareness / Watching Brief



## Appendix 1f. Bioregional Network Analysis priority/risk rankings for threatened fauna in Victorian Riverina bioregion



### Legend

1A	Full Commitment
1B, 2A, 3A	Substantive Participation
1C, 2B, 4A	Planning Awareness / Opportunistic Action
2C, 3B, 3C, 4B, 4C	Planning Awareness / Watching Brief

## Appendix 2a. Details of EVCs in Northern Inland Slopes bioregion

Ecological Vegetation Class Description	Pre1750 Area (ha)	Extant Area (ha)	Conservation Reserves (ha)	Forest Special Protection Zone (ha)	Other Public land (ha)	Private (ha)	Unknown (ha)	Extant/Pre 1750 (ha)	Total Conservation Reserves (ha)	Conservation Reserves/Pre 1750 (%)	Total Conservation Reserves/Extant (%)	EVC Bior Cons Status	Ecological Vegetation Class group
Alluvial Terraces Herb-rich Woodland	1669	55	11	0	25	19	0	3%	11	19%	1%	E	Herb-rich Woodlands - alluvial terraces and/or creeklines
Box Ironbark Forest	36983	8340	2878	0	3451	1986	25	23%	2878	35%	8%	V	Box Ironbark Forests or Woodlands - dry and/or lower fertility
Broombush Mallee	31	17	0	0	0	17	0	53%	0	0%	0%	D	Mallee - shallow sands or sandy clay loams or gravels
Cane Grass Wetland	9	0	0	0	0	0	0	0%	0	0%	0%	E	Wetlands - freshwater
Clay Heathland	7	3	0	0	0	3	0	49%	0	0%	0%	V	Heathlands - Not well-drained
Creekline Grassy Woodland	4356	285	24	0	68	193	0	7%	24	8%	1%	E	Riverine Grassy Woodlands or Forests - creekline and/or swampy
Damp Forest	0	0	0	0	0	0	0	99%	0	0%	0%	LC	Herb-rich Woodlands - damp sands
Floodplain Riparian Woodland	14014	266	0	0	6	261	0	2%	0	0%	0%	E	Riverine Grassy Woodlands or Forests - creekline and/or swampy
Granitic Hills Woodland	35650	24782	14122	194	4052	6320	94	70%	14316	58%	40%	LC	Box Ironbark Forests or Woodlands - dry and/or lower fertility
Grassy Dry Forest	14330	70836	5178	13216	22754	28999	690	49%	18394	26%	13%	D	Dry Forests - exposed and/or lower altitude
Grassy Woodland	10116	5303	1651	361	260	3030	1	5%	2012	38%	2%	E	Lower Slopes or Hills Woodlands - grassy
Heathy Dry Forest	14026	12136	4705	1133	4311	1728	261	87%	5837	48%	42%	LC	Dry Forests - exposed and/or lower altitude
Herb-rich Foothill Forest	26568	15641	485	3438	5774	5929	16	59%	3922	25%	15%	D	Dry Forests - sheltered and/or higher altitude
Montane Damp Forest	52	52	0	0	52	0	0	100%	0	0%	0%	LC	Wet or Damp Forests
Montane Dry Woodland	280	280	9	88	183	0	0	100%	97	35%	35%	LC	Montane Grasslands, Shrublands or Woodlands
Pine Box Woodland	808	0	0	0	0	0	0	0%	0	0%	0%	X	Plains Grassy Woodlands or Forests - lunettes or beach ridges or shallow sands
Plains Grassland	665	0	0	0	0	0	0	0%	0	0%	0%	X	Grasslands
Plains Grassy Wetland	13	0	0	0	0	0	0	0%	0	0%	0%	X	Wetlands - freshwater
Plains Grassy Woodland	12839	171	11	5	14	141	0	1%	16	9%	0%	E	Plains Grassy Woodlands or Forests - freely-draining
Red Gum Wetland	93	42	42	0	0	0	0	45%	42	100%	45%	E	Wetlands - freshwater
Riparian Forest	282	94	28	44	0	22	0	33%	72	77%	26%	V	Riparian Forests or Woodlands

**Appendix 2a. Details of EVCs in Northern Inland Slopes bioregion (contd.)**

Ecological Vegetation Class Description	Pre 1750 Area (ha)	Extant Area (ha)	Conservation Reserves (ha)	Forest Special Protection Zone (ha)	Other Public land (ha)	Private (ha)	Unknown (ha)	Extant/Pre 1750 (ha)	Total Conservation Reserves (ha)	Conservation Reserves/Pre 1750 (%)	Total Conservation Reserves/Extant (%)	EVC Bior Cons Status	Ecological Vegetation Class group
Riparian Shrubland	456	184	0	0	137	47	0	40%	0	0%	0%	E	Riparian and/or Swampy Scrubs or Woodlands
Riverine Escarpment Scrub	109	41	8	0	13	20	0	38%	8	20%	8%	E	Rocky outcrop or escarpment Scrubs
Shrubby Dry Forest	1369	1003	47	315	325	317	0	73%	361	36%	26%	LC	Dry Forests - sheltered and/or higher altitude
Spring-soak Woodland	174	29	5	0	1	23	0	17%	5	16%	3%	E	Lower Slopes or Hills Woodlands - seasonally inundated
Swampy Riparian Woodland	604	179	2	15	125	37	0	30%	17	9%	3%	E	Riparian and/or Swampy Scrubs or Woodlands
Valley Grassy Forest	13386	10431	1547	666	1619	6594	4	8%	2214	21%	2%	E	Dry Forests - sheltered and/or higher altitude
Wet Forest	12	12	0	12	0	0	0	100%	12	100%	100%	LC	Wet or Damp Forests
<b>TOTALS</b>	52940	15018	30751	19487	43170	55685	1090		50238				
	2	2											

**NB:** \* Wetland formation is not an EVC. These figures do not include Complex map units.

**Appendix 2b. Details of EVCs in Victoria Riverina bioregion**

EVC Description	Pre1750 Area (ha)	Total Extant Area (ha)	Conservation Reserves	SPZ	Other Public Land	Private Land	Unknown	Extant/Pre 1750 (%)	Total in Con. Reserves	Conservation Res/Extant (%)	Conservation Res/Extant (%)	Conservation Status	EVC Groupings
	(a)	(b)	(c)	(s)	(o)	(p)	(u)	(b/a)	(c+s)	(c+s)/b	(c+s)/a		
Alluvial Terraces Herb-rich Woodland	1538	8	0	0	1	6	0	1%	0	0%	0%	E	Herb-rich Woodlands - alluvial terraces and/or creeklines
Black Box Chenopod Woodland	955	24	0	0	0	24	1	3%	0	0%	0%	E	Riverine Grassy Woodlands or Forests - broader plain
Box Ironbark Forest	7926	1019	152	0	313	544	9	13%	152	15%	2%	V	Box Ironbark Forests or Woodlands - dry and/or lower fertility
Brackish Lake	1254	2	0	0	1	0	0	0%	0	0%	0%	X	no native vegetation
Broombush Mallee	500	2	0	0	0	2	0	0%	0	0%	0%	E	Mallee - shallow sands or sandy clay loams or gravels
Cane Grass Wetland	223	0	0	0	0	0	0	0%	0	0%	0%	X	Wetlands - freshwater
Creekline Grassy Woodland	21619	2382	287	0	903	1125	68	11%	287	12%	1%	E	Riverine Grassy Woodlands or Forests - creekline and/or swampy
Damp Sands Herb-rich Woodland	211	17	8	0	0	9	0	8%	8	46%	4%	V	Herb-rich Woodlands - damp sands
Floodplain Riparian Woodland	38377	4975	121	0	1095	3694	64	13%	121	2%	0%	V	Riverine Grassy Woodlands or Forests - creekline and/or swampy
Granitic Hills Woodland	368	23	6	0	2	15	0	6%	6	25%	2%	V	Box Ironbark Forests or Woodlands - dry and/or lower fertility
Grassy Dry Forest	1088	194	17	3	0	174	0	18%	20	10%	2%	D	Dry Forests - exposed and/or lower altitude
Grassy Woodland	43323	1179	100	0	137	928	13	3%	100	8%	0%	E	Lower Slopes or Hills Woodlands - grassy
Heathy Dry Forest	219	29	16	0	2	10	0	13%	16	57%	7%	LC	Dry Forests - exposed and/or lower altitude
Herb-rich Foothill Forest	131	31	2	0	3	26	0	24%	2	5%	1%	D	Dry Forests - sheltered and/or higher altitude
Lagoon Wetland	65	10	0	0	0	10	0	16%	0	0%	0%	E	Wetlands - freshwater
Lignum Wetland	5664	267	0	0	29	234	4	5%	0	0%	0%	E	Wetlands - freshwater
Pine Box Woodland	9519	90	0	0	0	90	0	1%	0	0%	0%	E	Plains Grassy Woodlands or Forests - lunettes or beach ridges or shallow sands
Plains Grassland	169806	557	2	0	22	528	6	0%	2	0%	0%	E	Grasslands
Plains Grassy Wetland	6989	225	7	0	8	208	2	3%	7	3%	0%	E	Wetlands - freshwater
Plains Grassy Woodland	860750	7857	367	0	807	6592	92	1%	367	5%	0%	E	Plains Grassy Woodlands or Forests - freely-draining
Red Gum Wetland	4484	666	211	0	9	445	0	15%	211	32%	5%	E	Wetlands - freshwater
Reed Swamp	3	0	0	0	0	0	0	0%	0	0%	0%	V	Wetlands - freshwater
Riparian Forest	63	7	0	0	0	7	0	11%	0	0%	0%	V	Riparian Forests or Woodlands
Riparian Shrubland	4	0	0	0	0	0	0	0%	0	0%	0%	E	Riparian and/or Swampy Scrubs or Woodlands
Riparian Woodland	344	7	0	0	0	7	0	2%	0	0%	0%	E	Riparian Forests or Woodlands
Riverine Escarpment Scrub	19	0	0	0	0	0	0	0%	0	0%	0%	E	Rocky outcrop or escarpment Scrubs
Sand Ridge Woodland	1124	117	13	0	29	70	5	10%	13	11%	1%	E	Plains Grassy Woodlands or Forests - lunettes or beach ridges or shallow sands
Shrubby Dry Forest	9	4	0	0	1	3	0	42%	0	0%	0%	LC	Dry Forests - sheltered and/or higher altitude
Spring-soak Woodland	5	0	0	0	0	0	0	0%	0	0%	0%	X	Lower Slopes or Hills Woodlands - seasonally inundated
Swampy Riparian Woodland	6	0	0	0	0	0	0	0%	0	0%	0%	E	Riparian and/or Swampy Scrubs or Woodlands
Valley Grassy Forest	2809	76	0	6	0	70	0	3%	6	8%	0%	E	Dry Forests - sheltered and/or higher altitude
Valley Heathy Forest	96	1	0	0	0	1	0	1%	0	0%	0%	E	Dry Forests - sheltered and/or higher altitude
Wetland Formation*	30326	1128	363	0	28	737	0	4%	363	32%	1%	E	Wetlands - freshwater



### Appendix 3a. Current threatened flora in Northern Inland Slopes bioregion

See Appendix 4 for abbreviations used

Common Name	Latin Name	Australian Status	Victorian Status	FFG Listed	Recovery Plan	Action Statement Number	BNA Unassessed	Species Number
Annual Buttons	<i>Leptorhynchos scaber</i>		e	L			Un	1944
Austral Toad-flax	<i>Thesium australe</i>	Vul	v	L		56	Un	3389
Beechworth Silver Stringybark	<i>Eucalyptus aff. cinerea</i> (Beechworth)		v				Un	3824
Bent-leaf Wattle	<i>Acacia flexifolia</i>		r				Un	35
Blue-leaf Tussock-grass	<i>Poa sieberiana var. cyanophylla</i>		r				Un	4866
Bristly Helmet-orchid	<i>Corysanthes hispida</i>		r				Un	841
Broad-leaf Hop-bush	<i>Dodonaea rhombifolia</i>		r				Un	1091
Bronze Bird-orchid	<i>Chiloglottis X pescottiana</i>		r				Un	752
Broom Bitter-pea	<i>Daviesia genistifolia s.s.</i>		r				Un	3813
Buloke Mistletoe	<i>Amyema linophylla ssp. orientale</i>		v				Un	217
Bushy Hedgehog-grass	<i>Echinopogon caespitosus</i>		e				Un	1120
Button Rush	<i>Lipocarpha microcephala</i>		v				Un	2020
Button Tea-tree	<i>Leptospermum micromyrtus</i>		r				Un	1959
Catkin Wattle	<i>Acacia dallachiana</i>		r				Un	23
Common Fringe-sedge	<i>Fimbristylis dichotoma</i>		v				Un	1368
Common Pipewort	<i>Eriocaulon scariosum</i>		r				Un	1218
Convex Pomaderris	<i>Pomaderris subcapitata</i>		r				Un	2674
Cream Spider-orchid	<i>Arachnorchis patersonii s.s.</i>		e				Un	4350
Crimson Grevillea	<i>Grevillea polybractea</i>		r				Un	1546
Crimson Spider-orchid	<i>Arachnorchis concolor</i>	Vul	e	L		143	Un	4347
Cupped Bush-pea	<i>Pultenaea vrolandii</i>		r				Un	2880
Currawang	<i>Acacia doratoxylon</i>		r				Un	30
Dark Wire-grass	<i>Aristida calycina var. calycina</i>		r				Un	3630
Deane's wattle	<i>Acacia deanei ssp. deanei</i>		e	L			Un	4238
Deane's Wattle	<i>Acacia deanei ssp. paucijuga</i>		r				Un	4201
Deane's Wattle	<i>Acacia deanei</i>		r				Un	26
Dense Mint-bush	<i>Prostanthera decussata</i>		r				Un	2739
Dookie Daisy	<i>Brachyscome gracilis</i>		v	L			Un	459
Dusky Bush-pea	<i>Pultenaea polifolia</i>		r				Un	2866
Fan Grevillea	<i>Grevillea ramosissima ssp. hypargyrea</i>		r				Un	1548
Flat-leaf Bush-pea	<i>Pultenaea platyphylla</i>		r				Un	2865
Glandular Early Nancy	<i>Wurmbea biglandulosa ssp. biglandulosa</i>		r				Un	3580
Globe-hood Sun-orchid	<i>Thelymitra X chasmogama</i>		v				Un	3365
Golden Pomaderris	<i>Pomaderris aurea</i>		r				Un	2651
Grassy Beak-sedge	<i>Rhynchospora brownii</i>		e				Un	2935
Green Grevillea	<i>Grevillea jephcottii</i>		r				Un	1539
Grey Beard-heath	<i>Leucopogon attenuatus</i>		r				Un	1971
Grey Rice-flower	<i>Pimelea treyvaudii</i>		v				Un	2534
Hairy Hop-bush	<i>Dodonaea boroniifolia</i>		r				Un	1087
Hooded Mosquito-orchid	<i>Acianthus collinus</i>		v	L			Un	5621
Hooked Needlewood	<i>Hakea tephrosperma</i>		v				Un	1572
Kneed Swainson-pea	<i>Swainsona reticulata</i>		v	L		126	Un	4945
Leafy Templetonia	<i>Templetonia stenophylla</i>		r				Un	3341
Long-awn Spear-grass	<i>Austrostipa tenuifolia</i>		v				Un	5386
Mountain Dampiera	<i>Dampiera purpurea</i>		r				Un	953

### Appendix 3a. Current threatened flora in Northern Inland Slopes bioregion (contd.)

See Appendix 4 for abbreviations used

Common Name	Latin Name	Australian Status	Victorian Status	FFG Listed	Recovery Plan	Action Statement Number	BNA Unassessed	Species Number
Mountain Swainson-pea	<i>Swainsona recta</i>	End	e	L			Un	3326
Mugga	<i>Eucalyptus sideroxylon s.s.</i>		r				Un	4493
Naked Beard-orchid	<i>Calochilus imberbis</i>		r				Un	3670
Narrow Goodenia	<i>Goodenia macbarronii</i>	Vul	v	L		72		1513
Narrow-leaf Sida	<i>Sida trichopoda</i>		r				Un	3147
Narrow-leaf Star-hair	<i>Astrotricha linearis ssp. 1</i>		r				Un	5604
Narrow-leaf Star-hair	<i>Astrotricha linearis</i>		r				Un	309
Nealie	<i>Acacia loderi</i>		v				Un	52
Northern Sandalwood	<i>Santalum lanceolatum</i>		e	L		75		3005
Open Summer-grass	<i>Digitaria diffusa</i>		x					1044
Phantom Wattle	<i>Acacia phasmoides</i>	Vul	v	L				75
Poverty Wattle	<i>Acacia dawsonii</i>		v				Un	24
Purple Diuris	<i>Diuris punctata var. punctata</i>		v	L				1084
Purple Wire-grass	<i>Aristida personata</i>		e				Un	4795
Ridged Water-milfoil	<i>Myriophyllum porcatum</i>	Vul	v	L				2257
River Leafless Bossiaea	<i>Bossiaea riparia</i>		r				Un	441
River Swamp Wallaby-grass	<i>Amphibromus fluitans</i>	Vul	k				Un	3623
Rock Grevillea	<i>Grevillea willisii</i>		r				Un	1554
Rough Eyebright	<i>Euphrasia scabra</i>		e	L		10	Un	1343
Rough-seed Wire-grass	<i>Aristida obscura</i>		e				Un	5184
Rye Beetle-grass	<i>Tripogon loliiformis</i>		r				Un	3455
Scaly Greenhood	<i>Pterostylis hamata</i>		r				Un	2799
Scented Daisy-bush	<i>Olearia adenophora</i>		r				Un	2295
Shiny Leionema	<i>Leionema lamprophyllum ssp. obovatum</i>		r				Un	5478
Shiny Leionema	<i>Leionema lamprophyllum</i>		r				Un	2485
Silver Tea-tree	<i>Leptospermum multicaule</i>		v					1960
Slender Club-sedge	<i>Isolepis congrua</i>		v	L				1773
Slender Darling-pea	<i>Swainsona murrayana</i>	Vul	e	L		126	Un	3321
Slender Violet-bush	<i>Hybanthus monopetalus</i>		r				Un	1711
Small-flower Mud-mat	<i>Glossostigma cleistanthum</i>		r				Un	1450
Small-flower Wallaby-grass	<i>Austrodanthonia monticola</i>		r				Un	970
Small-leaf Bush-pea	<i>Pultenaea foliolosa</i>		r				Un	2848
Smooth Darling-pea	<i>Swainsona galegifolia</i>		e	L		76		3992
Snowy River Wattle	<i>Acacia boormanii</i>		r				Un	16
Soft Ledge-grass	<i>Poa hothamensis var. parviflora</i>		r				Un	4531
Southern Swainson-pea	<i>Swainsona behriana</i>		r				Un	4944
Spur-wing Wattle	<i>Acacia triptera</i>		r				Un	97
Stony Bush-pea	<i>Pultenaea setulosa</i>	Vul	v	L			Un	3929
Striped Water-milfoil	<i>Myriophyllum striatum</i>		v	L			Un	3869
Tick Indigo	<i>Indigofera adesmiifolia</i>		v					3780
Tiny Daisy	<i>Brachyscome ptychocarpa</i>		r				Un	472
Umbrella Grass	<i>Digitaria divaricatissima</i>		v					1045
Warby Range Swamp-gum	<i>Eucalyptus cadens</i>	Vul	v	L		21		3707
Waterbush	<i>Myoporum montanum</i>		r				Un	2240
Wedge Diuris	<i>Diuris dendrobioides</i>		e	L		22		4416
Western Golden-tip	<i>Goodia medicaginea</i>		r				Un	1518
Western Rat-tail Grass	<i>Sporobolus creber</i>		v				Un	3228
Western Silver Wattle	<i>Acacia decora</i>		v					27

### Appendix 3a. Current threatened flora in Northern Inland Slopes bioregion (contd.)

See Appendix 4 for abbreviations used

Common Name	Latin Name	Australian Status	Victorian Status	FFG Listed	Recovery Plan	Action Statement Number	BNA Unassessed	Species Number
Winged Water-starwort	<i>Callitriche umbonata</i>		v				Un	575
Woodland Leek-orchid	<i>Prasophyllum sp. aff. validum</i>	Vul	e				Un	4067
Woolly Buttons	<i>Leiocarpa panaetioides</i>		r				Un	1945
Woolly Cloak-fern	<i>Cheilanthes lasiophylla</i>		e				Un	732
Woolly Ragwort	<i>Senecio garlandii</i>	Vul	e	L			Un	5246
Woolly Wattle	<i>Acacia lanigera var. lanigera</i>		r				Un	5093
Yellow Hyacinth-orchid	<i>Dipodium hamiltonianum</i>		e	L		82		1067

NB :

- (1) Information utilised on individual species listed in the above table are indicative of locational occurrences within the bioregion based on historical records.
- (2) Flora & Fauna Guarantee (FFG) listed taxa includes only species listed as individual species, not as part of communities.

### Appendix 3b. Current threatened fauna in Northern Inland Slopes bioregion

See Appendix 4 for abbreviations used

Common Name	Latin Name	Australian Status	Victorian Status	FFG Listed	Recovery Plan	Action Statement Number	BNA Unassessed	Species Number
Australasian Bittern	<i>Botaurus poiciloptilus</i>		EN	L			Un	197
Australasian Shoveler	<i>Anas rhynchotis</i>		VU				Un	212
Australian Bustard	<i>Ardeotis australis</i>		CR	L			Un	176
Baillon's Crane	<i>Porzana pusilla</i>		VU	L			Un	50
Barking Owl	<i>Ninox connivens</i>		EN	L		116		246
Black Falcon	<i>Falco subniger</i>		VU				Un	238
Blue-billed Duck	<i>Oxyura australis</i>		EN	L		174	Un	216
Booroolong Frog	<i>Litoria booroolongensis</i>		CR	L		118	Un	3168
Brolga	<i>Grus rubicunda</i>		VU	L		119	Un	177
Brown Toadlet	<i>Pseudophryne bibronii</i>		EN				Un	3117
Brush-tailed Phascogale	<i>Phascogale tapoatafa</i>		VU	L		79		1017
Bullant	<i>Myrmecia sp. 17</i>		VU	L				5011
Bush Stone-curlew	<i>Burhinus grallarius</i>		EN	L		78		174
Caddisfly (5008)	<i>Archaeophylax canarus</i>		R	L			Un	5008
Chestnut-rumped Heathwren	<i>Hylacola pyrrhopygia</i>		VU	L			Un	498
Curl Snake	<i>Suta suta</i>		VU				Un	2722
Diamond Firetail	<i>Stagonopleura guttata</i>		VU	L			Un	652
Eastern Wallaroo	<i>Macropus robustus robustus</i>		CR	L			Un	1266
Freckled Duck	<i>Stictonetta naevosa</i>		EN	L		105	Un	214
Giant Bullfrog	<i>Limnodynastes interioris</i>		CR	L			Un	3060
Glossy Black-Cockatoo	<i>Calyptorhynchus lathami</i>		VU	L			Un	265
Golden Perch	<i>Macquaria ambigua</i>		VU				Un	4095
Great Egret	<i>Ardea alba</i>		VU	L		120		187
Grey Falcon	<i>Falco hypoleucos</i>		EN	L		83	Un	236
Grey Goshawk	<i>Accipiter novaehollandiae</i>		VU				Un	220
Grey-crowned Babbler	<i>Pomatostomus temporalis</i>		EN	L		34		443
Ground Cuckoo-shrike	<i>Coracina maxima</i>		VU	L			Un	423
Growling Grass Frog	<i>Litoria raniformis</i>	Vul	EN	L			Un	3207
Hardhead	<i>Aythya australis</i>		VU				Un	215
Hooded Scaly-foot	<i>Pygopus schraderi</i>		CR	L		108	Un	2176
Inland Carpet Python	<i>Morelia spilota metcalfei</i>		EN	L		175		2969
Intermediate Egret	<i>Ardea intermedia</i>		CR	L		120		186
Lace Goanna	<i>Varanus varius</i>		VU				Un	2283
Lewin's Rail	<i>Rallus pectoralis</i>		VU	L			Un	45
Little Bittern	<i>Ixobrychus minutus</i>		EN	L			Un	195
Little Egret	<i>Egretta garzetta</i>		EN	L		120	Un	185
Macquarie Perch	<i>Macquaria australasica</i>	End	EN	L			Un	4096
Major Mitchell's Cockatoo	<i>Cacatua leadbeateri</i>		VU	L		87	Un	270
Malleefowl	<i>Leipoa ocellata</i>	Vul	EN	L	Y	59	Un	7
Masked Owl	<i>Tyto novaehollandiae</i>		EN	L		124	Un	250
Murray Cod	<i>Maccullochella peelii peelii</i>	Vul	EN	L				4094
Musk Duck	<i>Biziura lobata</i>		VU				Un	217
Painted Honeyeater	<i>Grantiella picta</i>		VU	L				598
Painted Snipe	<i>Rostratula benghalensis</i>	Vul	CR	L				170
Plains-wanderer	<i>Pedionomus torquatus</i>	Vul	CR	L		66	Un	20
Powerful Owl	<i>Ninox strenua</i>		VU	L		92		248

### Appendix 3b. Current threatened fauna in Northern Inland Slopes bioregion (contd.)

See Appendix 4 for abbreviations used

Common Name	Latin Name	Australian Status	Victorian Status	FFG Listed	Recovery Plan	Action Statement Number	BNA Unassessed	Species Number
Red-chested Button-quail	<i>Turnix pyrrhоторax</i>		VU	L			Un	19
Regent Honeyeater	<i>Xanthomyza phrygia</i>	End	CR	L	Y	41		603
Royal Spoonbill	<i>Platalea regia</i>		VU				Un	181
Speckled Warbler	<i>Chthonicola sagittata</i>		VU	L			Un	504
Spot-tailed Quoll	<i>Dasyurus maculatus</i>	Vul	EN	L		15	Un	1008
Square-tailed Kite	<i>Lophoictinia isura</i>		VU	L				230
Squirrel Glider	<i>Petaurus norfolcensis</i>		EN	L		166		1137
Striped Legless Lizard	<i>Delma impar</i>	Vul	EN	L	Y	17	Un	2159
Superb Parrot	<i>Polytelis swainsonii</i>	Vul	EN	L		33	Un	277
Swift Parrot	<i>Lathamus discolor</i>	End	EN	L	Y	169		309
Tasmanian Pademelon	<i>Thylogale billardierii</i>		EX	L		14	Un	1235
Trout Cod	<i>Maccullochella macquariensis</i>	End	CR	L	Y	38	Un	4093
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>		VU	L		60	Un	226

NB :

- (1) Information utilised on individual species listed in the above table are indicative of locational occurrences within the bioregion based on historical records.
- (2) Flora & Fauna Guarantee (FFG) listed taxa includes only species listed as individual species, not as part of communities.

### Appendix 3c. Current threatened flora in Victorian Riverina bioregion

See Appendix 4 for abbreviations used

Common name	Scientific name	Aust status	Vic Status	FFG-listed	EPBC	FFG Action Statement No.	Recovery plan	BNA Un assessed	Species number
Annual Buttons	<i>Leptorhynchos scaber</i>		e	L					1944
Ausfeld's Wattle	<i>Acacia ausfeldii</i>	R	v	X					0013
Austral Toad-flax	<i>Thesium australe</i>	V	v	L	V	56		Un	3389
Basalt Podolepis	<i>Podolepis sp. 1</i>		e					Un	4658
Beechworth Silver Stringybark	<i>Eucalyptus aff. cinerea (Beechworth)</i>		v					Un	3824
Bristly Love-grass	<i>Eragrostis setifolia</i>		v					Un	1195
Buloke Mistletoe	<i>Amyema linophylla ssp. orientale</i>		v						0217
Button Immortelle	<i>Leptorhynchos waitzia</i>		v					Un	1949
Button Rush	<i>Lipocarpha microcephala</i>		v					Un	2020
Cane Grass	<i>Eragrostis australasica</i>		v						1184
Chariot Wheels	<i>Maireana cheelii</i>	V	v		V				2099
Clover Glycine	<i>Glycine latrobeana</i>	V	v	L	V			Un	1456
Common White Sunray	<i>Rhodanthe floribunda</i>		e					Un	5296
Coolibah Grass	<i>Panicum queenslandicum var. queenslandicum</i>		e					Un	4806
Crimson Sun-orchid	<i>Thelymitra X macmillanii</i>		v					Un	3377
Dookie Daisy	<i>Brachyscome gracilis</i>		v	L				Un	0459
Downs Nutgrass	<i>Cyperus bifax</i>		v						0913
Downy Swainson-pea	<i>Swainsona swainsonioides</i>		e	L					3328
Dwarf Amaranth	<i>Amaranthus macrocarpus var. macrocarpus</i>		v					Un	0195
Dwarf Myall	<i>Acacia ancistrophylla var. lissophylla</i>		v					Un	0051
Dwarf Swainson-pea	<i>Swainsona phacoides</i>		e	N				Un	3323
Eastern Bitter-cress	<i>Cardamine microthrix</i>		v					Un	5029
Erect Peppercress	<i>Lepidium pseudopapillosum</i>	V	e	L	V			Un	1909
Euroa Guinea-flower	<i>Hibbertia humifusa ssp. erigens</i>	V	v	X	V				5083
Forest Bitter-cress	<i>Cardamine papillata</i>		v					Un	5034
Grey Billy-buttons	<i>Craspedia canens</i>		e						4643
Hoary Scurf-pea	<i>Cullen cinereum</i>		e	L				Un	2770
Hooked Needlewood	<i>Hakea tephrosperma</i>		v					Un	1572
Inland Pomaderris	<i>Pomaderris paniculosa ssp. paniculosa</i>		v					Un	3943
Jericho Wire-grass	<i>Aristida jerichoensis var. subspinulifera</i>		e					Un	4631
Jerry-jerry	<i>Ammannia multiflora</i>		v						0202
Large-fruit Fireweed	<i>Senecio macrocarpus</i>	V	e	L	V	68		Un	3116
Late-flower Flax-lily	<i>Dianella tarda</i>		v					Un	5085
Leafless Bluebush	<i>Maireana aphylla</i>		v					Un	2096
Long Eryngium	<i>Eryngium paludosum</i>		v						1238
Mauve-tuft Sun-orchid	<i>Thelymitra malvina</i>		v					Un	3374
Midlands Spider-orchid	<i>Arachnorchis sp. aff. concolor (Midlands)</i>		v						5892
Mountain Swainson-pea	<i>Swainsona recta</i>	E	e	L	E			Un	3326
Mueller Daisy	<i>Brachyscome muelleroides</i>	V	e	L	V			Un	0465
Murray Groundsel	<i>Senecio murrayanus</i>		x						3982
Myall	<i>Acacia melvillei</i>		v					Un	0058
Narrow Goodenia	<i>Goodenia macbarronii</i>	V	v	L	V	72		Un	1513
Painted Diuris	<i>Diuris tricolor</i>		e	L					5275
Pale Hickory-wattle	<i>Acacia sp. C aff. penninervis</i>		v						5881
Pale Spike-sedge	<i>Eleocharis pallens</i>		v					Un	1143
Pepper Grass	<i>Panicum laevinode</i>		v					Un	4808

### Appendix 3c. Current threatened flora in Victorian Riverina bioregion (contd.)

See Appendix 4 for abbreviations used

Common name	Scientific name	Aust status	Vic Status	FFG-listed	EPBC	FFG Action Statement No.	Recovery plan	BNA Un assessed	Species number
Pin Sida	<i>Sida fibulifera</i>		v						3142
Plains Spurge	<i>Euphorbia planiticola</i>		e	L				Un	1333
Plump Windmill Grass	<i>Chloris ventricosa</i>		v					Un	0757
Purple Diuris	<i>Diuris punctata</i> var. <i>punctata</i>		v	L					1084
Purple Love-grass	<i>Eragrostis lacunaria</i>		v					Un	1190
Red Swainson-pea	<i>Swainsona plagiotropis</i>	V	e	X	V				3324
Ridged Water-milfoil	<i>Myriophyllum porcatum</i>	V	v	L	V				2257
Riverine Flax-lily	<i>Dianella porracea</i>		v						4266
Rough Eyebright	<i>Euphrasia scabra</i>	K	e	L		10		Un	1343
Salt Paperbark	<i>Melaleuca halmaturorum</i> ssp. <i>halmaturorum</i>		v	L				Un	2149
Silky Swainson-pea	<i>Swainsona sericea</i>		v	X				Un	4946
Silky Umbrella-grass	<i>Digitaria ammophila</i>		v					Un	1041
Silver Needlewood	<i>Hakea leucoptera</i> ssp. <i>leucoptera</i>		v					Un	1564
Silver Tea-tree	<i>Leptospermum multicaule</i>		v					Un	1960
Six-point Arrowgrass	<i>Triglochin hexagonum</i>		v					Un	3445
Slender Club-sedge	<i>Isolepis congrua</i>		v	L					1773
Slender Darling-pea	<i>Swainsona murrayana</i>	V	e	L	V				3321
Slender Love-grass	<i>Eragrostis exigua</i>		e						5252
Slender Water-milfoil	<i>Myriophyllum gracile</i> var. <i>lineare</i>		e	L				Un	4517
Small Scurf-pea	<i>Cullen parvum</i>	E	e	L	E	31			2773
Smooth Darling-pea	<i>Swainsona galegifolia</i>		e	L		76		Un	3992
Spiny Rice-flower	<i>Pimelea spinescens</i>		e	L				Un	3894
Spiny Rice-flower	<i>Pimelea spinescens</i> ssp. <i>pubiflora</i>	X	x					Un	4824
Spiny Rice-flower	<i>Pimelea spinescens</i> ssp. <i>spinescens</i>	V	e		V				4823
Spiny-fruit Saltbush	<i>Atriplex spinibractea</i>		e					Un	4608
Stiff Goodenia	<i>Goodenia lunata</i>		v						1506
Stiff Groundsel	<i>Senecio behrianus</i>	E	e	L	E	12	Y		3101
Straw Wallaby-grass	<i>Austrodanthonia richardsonii</i>		v					Un	0978
Striped Water-milfoil	<i>Myriophyllum striatum</i>		v	L				Un	3869
Swamp Billy-buttons	<i>Craspedia paludicola</i>		v					Un	4649
Swamp Buttercup	<i>Ranunculus undosus</i>		v						2915
Swamp Leek-orchid	<i>Prasophyllum</i> sp. ( <i>Nagambie</i> )		e	L		168			4564
Swamp Star	<i>Hypoxis exilis</i>		v					Un	3777
Tough Scurf-pea	<i>Cullen tenax</i>		e	L					2776
Trim Flat-sedge	<i>Cyperus concinnus</i>		v					Un	0915
Turnip Copperburr	<i>Sclerolaena napiformis</i>	E	e	L	E	171			3991
Twiggy Sida	<i>Sida intricata</i>		v					Un	3143
Umbrella Grass	<i>Digitaria divaricatissima</i>		v						1045
Umbrella Wattle	<i>Acacia oswaldii</i>		v					Un	0070
Veined Peppergrass	<i>Lepidium phlebopetalum</i>		e						1907
Water-shield	<i>Brasenia schreberi</i>	R	e	L					0487
Weak Daisy	<i>Brachyscome debilis</i>		v						0454
Wedge Diuris	<i>Diuris dendrobioides</i>		e	L		22			4416
Weeping Myall	<i>Acacia pendula</i>		e	L		86		Un	0073
Western Bitter-cress	<i>Cardamine lineariloba</i>		v					Un	5028
Western Rat-tail Grass	<i>Sporobolus creber</i>		v					Un	3228
Western Silver Wattle	<i>Acacia decora</i>		v					Un	0027
Western Water-starwort	<i>Callitriche cyclocarpa</i>	V	v	L	V			Un	0569
Winged New Holland Daisy	<i>Vittadinia pterochaeta</i>		v						3542

### Appendix 3c. Current threatened flora in Victorian Riverina bioregion (contd.)

See Appendix 4 for abbreviations used

Winged Peppergrass	<i>Lepidium monoplocoides</i>	E	e	L	E				1905
Winged Water-starwort	<i>Callitriche umbonata</i>		v						0575
Yarran Wattle	<i>Acacia omalophylla</i>		e	L					0069
Yellow-tongue Daisy	<i>Brachyscome chrysoglossa</i>		v	L					3654

NB: FFG listed taxa includes only species listed as individual species, not as part of communities.

### Appendix 3d. Current threatened fauna in Victorian Riverina bioregion

See Appendix 4 for abbreviations used

Common name	Scientific name	Aust status	Vic Status	FFG-listed	EPBC	FFG Action Statement	Recovery plan	BNA Un assessed	Spp number
Apostlebird	<i>Struthidea cinerea</i>		VU	L					0675
Australasian Bittern	<i>Botaurus poiciloptilus</i>		EN	L				Un	0197
Australasian Shoveler	<i>Anas rhynchotis</i>		VU					Un	0212
Baillon's Crake	<i>Porzana pusilla</i>		VU	L				Un	0050
Barking Owl	<i>Ninox connivens</i>		EN	L					0246
Black Falcon	<i>Falco subniger</i>		EN						0238
Blue-billed Duck	<i>Oxyura australis</i>		VU	L					0216
Bluenose Cod	<i>Maccullochella macquariensis</i>	E	CR	L	E	38	Y		4093
Broad-shelled Tortoise	<i>Chelodina expansa</i>		VU						2016
Brolga	<i>Grus rubicunda</i>		VU	L					0177
Brush-tailed Phascogale	<i>Phascogale tapoatafa</i>		VU	L		79			1017
Bush Stone-curlew	<i>Burhinus grallarius</i>		EN	L		78			0174
Cape Barren Goose	<i>Cereopsis novaehollandiae</i>		VU					Un	0198
Carpet Python	<i>Morelia spilota metcalfei</i>		EN	L					2969
Caspian Tern	<i>Sterna caspia</i>		VU	L				Un	0112
Curl Snake	<i>Suta suta</i>		VU						2722
Diamond Dove	<i>Geopelia cuneata</i>		VU					Un	0031
Freckled Duck	<i>Stictonetta naevosa</i>		EN	L		105			0214
Freshwater Catfish	<i>Tandanus tandanus</i>		VU	L					4050
Glossy Black-Cockatoo	<i>Calyptorhynchus lathami</i>		VU	L				Un	0265
Glossy Ibis	<i>Plegadis falcinellus</i>		VU						0178
Golden Perch	<i>Macquaria ambigua</i>		VU						4095
Golden Sun Moth	<i>Synemon plana</i>		EN	L		106		Un	5021
Great Egret	<i>Ardea alba</i>		EN	L					0187
Greater Long-eared Bat	<i>Nyctophilus timoriensis</i>		VU					Un	1332
Grey Falcon	<i>Falco hypoleucos</i>		CR	L		83			0236
Grey-crowned Babbler	<i>Pomatostomus temporalis</i>		EN	L		34			0443
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>		VU					Un	1280
Ground Cuckoo-shrike	<i>Coracina maxima</i>		EN	L					0423
Gull-billed Tern	<i>Sterna nilotica</i>		EN	L				Un	0111
Hardhead	<i>Aythya australis</i>		VU					Un	0215
Hooded Scaly-foot	<i>Pygopus schraderi</i>		CR	L		108			2176
Intermediate Egret	<i>Ardea intermedia</i>		CR	L					0186
Lewin's Rail	<i>Rallus pectoralis</i>		EN						0045
Little Bittern	<i>Ixobrychus minutus</i>		EN	L					0195
Little Egret	<i>Egretta garzetta</i>		CR	L					0185
Macquarie Perch	<i>Macquaria australasica</i>	E	EN	L	E				4096
Magpie Goose	<i>Anseranas semipalmata</i>		EN					Un	0199
Major Mitchell's Cockatoo	<i>Cacatua leadbeateri</i>		VU	L		87		Un	0270
Masked Owl	<i>Tyto novaehollandiae</i>		EN	L				Un	0250
Murray Cod	<i>Maccullochella peelii peelii</i>		VU	L					4094
Murray Hardyhead	<i>Craterocephalus fluviatilis</i>	V	EN	L	V				4064
Musk Duck	<i>Biziura lobata</i>		VU					Un	0217
Nankeen Night Heron	<i>Nycticorax caledonicus</i>		VU						0192
Painted Honeyeater	<i>Grantiella picta</i>		VU	L				Un	0598
Painted Snipe	<i>Rostratula benghalensis</i>		EN	L					0170
Plains-wanderer	<i>Pedionomus torquatus</i>	V	EN	L	V	66			0020

### Appendix 3d. Current threatened fauna in Victorian Riverina bioregion (contd.)

See Appendix 4 for abbreviations used

Common name	Scientific name	Aust status	Vic Status	FFG-listed	EPBC	FFG Action Statement	Recovery plan	BNA Un assessed	Spp number
Powerful Owl	<i>Ninox strenua</i>		EN	L		92		Un	0248
Red-backed Kingfisher	<i>Todiramphus pyrrhopygia</i>		VU					Un	0325
Red-chested Button-quail	<i>Turnix pyrrhotorax</i>		VU					Un	0019
Regent Honeyeater	<i>Xanthomyza phrygia</i>	E	CR	L	E	41	Y	Un	0603
Regent Parrot	<i>Polytelis anthopeplus</i>	V	VU	L	V			Un	0278
Royal Spoonbill	<i>Platalea regia</i>		VU						0181
Rufous Bettong	<i>Aepyprymnus rufescens</i>		EX	L		14		Un	1426
Samphire Skink	<i>Morethia adelaidensis</i>		EN	L					2525
Silver Perch	<i>Bidyanus bidyanus</i>		CR	L					4099
Speckled Warbler	<i>Chthonicola sagittata</i>		VU	L				Un	0504
Spot-tailed Quoll	<i>Dasyurus maculatus</i>	V	EN	L	V	15		Un	1008
Square-tailed Kite	<i>Lophoictinia isura</i>		EN	L				Un	0230
Squirrel Glider	<i>Petaurus norfolcensis</i>		EN	L		166			1137
Striped Legless Lizard	<i>Delma impar</i>	V	EN	L	V	17	Y	Un	2159
Superb Parrot	<i>Polytelis swainsonii</i>	V	EN	L	V	33			0277
Swift Parrot	<i>Lathamus discolor</i>	E	EN	L	E	169	Y		0309
Tasmanian Pademelon	<i>Thylogale billardierii</i>		EX	L		14			1235
Warty Bell Frog	<i>Litoria raniformis</i>	V	VU	L	V			Un	3207
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>		EN	L		60			0226
Woodland Blind Snake	<i>Ramphotyphlops proximus</i>		VU						2603

NB: FFG listed taxa includes only species listed as individual species, not as part of communities.

#### Appendix 4. Abbreviations used in threatened flora and fauna tables (Appendix 3)

	<b>Australian Status (EA 2003 – January 2003)</b>
X	Extinct
CE	Critically endangered
End, E	Endangered
Vul, V	Vulnerable
CD	Conservation dependant
R	Rare
K	Insufficiently known
	<b>Victorian Flora Status (NRE 2002f)</b>
x	Extinct
e	Endangered
v	Vulnerable
k	Insufficiently Known
	<b>Victorian Fauna Status – Invertebrate (NRE 2002g)</b>
End	Endangered
Vul	Vulnerable
R	Rare
	<b>Victorian Fauna Status – Vertebrate (DSE 2003)</b>
EX	Extinct
CR	Critically endangered
EN	Endangered
VU	Vulnerable
NT	Near threatened
DD	Data deficient
	<b>FFG (SAC – February 2004)</b>
L	Listed
Un	Unassessed in the <b>BNA Analysis</b> – 1997/8 (Vic)

## Appendix 5. Other taxa referred to in text of this Plan

Common Name	Scientific Name
<b>Flora</b>	
Black Cypress-pine	<i>Callitris endlicheri</i>
Blakely's Red-gum	<i>Eucalyptus blakelyii</i>
Broad-leaved Peppermint	<i>Eucalyptus dives</i>
Carp*	<i>Cyprinus carpio</i>
Cat's Claws Grevillea	<i>Grevillea alpina</i>
Daphne Heath	<i>Brachloma daphnoides</i>
Drooping Sheoke	<i>Allocasuarina verticillata</i>
Erect Guinea-flower	<i>Hibbertia riparia</i>
Grey Box	<i>Eucalyptus microcarpa</i>
Hedge Wattle	<i>Acacia paradoxa</i>
Lightwood	<i>Acacia implexa</i>
Long-leaved Box	<i>Eucalyptus goniacalyx</i>
Mugga	<i>Eucalyptus sideroxylon</i>
Narrow-leaf Bitter-pea	<i>Daviesia leptophylla</i>
Olive*	<i>Olea europaea</i>
Pepper Tree*	<i>Schinus molle</i>
Red Box	<i>Eucalyptus polyanthemus</i>
Red Stringybark	<i>Eucalyptus macrorhyncha</i>
St John's Wort*	<i>Hypericum perforatum</i>
White Box	<i>Eucalyptus albens</i>
Yellow Box	<i>Eucalyptus melliodora</i>
Yellow Water-lily*	<i>Nymphaea mexicana</i>
<b>Fauna</b>	
Cat* (feral and domestic)	<i>Felis catus</i>
Dog* (feral and domestic)	<i>Canis familiaris familiaris</i>
European Rabbit*	<i>Oryctolagus cuniculus</i>
European Wasp*	<i>Vespa germanica</i>
Red Fox*	<i>Vulpes vulpes</i>

\*introduced

## Appendix 6a. Management roles of land managers within the study area.

Manager		Land management role
Catchment Management Authority	CMA	Integration of existing advisory mechanisms related to catchment management (especially on private land), through a Regional Catchment Strategy framework. Licensing of works on regional waterways, management of waterways, and regional drainage and floodplain management. Regional co-ordination of Waterwatch and support to Landcare.
Department of Primary Industries (formerly NRE)	DPI	Management services across Catchment & Water (Sustainable Agriculture & Land Management, Pest Plants & Animals, Sustainable Rural Development); Fire Management; and Fisheries.
Department of Sustainability and Environment (formerly NRE)	DSE	Management of natural resources, with services across Flora & Fauna (Biodiversity), Commercial Forests, Forest Management, Land Victoria (incl. Coasts & Crown Land Management), Aboriginal Affairs and Indigenous Communities & Culture, and coordination of Statutory Planning functions. Also management of local ports and infrastructure (Port Welshpool, Port Albert and Lakes Entrance) as <i>Gippsland Ports</i> .
Forests (DSE)	For	State Forest, hardwood production, eucalyptus oil production, other Forest areas and Uncommitted land
Land Victoria (DSE)	LV	Unreserved or Uncategorised Crown Land; Stone Reserves; Other Reserves & Public Land; Utilities & Survey.
Local Government Authority	LGA (Shires)	Minor road reserves, township land, Recreation Reserves, cemeteries and other public land, including through implementation of Planning Schemes and Roadside Management Plans (Local Government municipalities)
Other State agency	DOI RWA UWA VicTrk VicRds	State government managed land (other than above and below) including: Dept of Infrastructure—Infrastructure and planning Rural Water Authority—Water storage, distribution, regulation and licensing (e.g. Southern Rural Water) Urban Water Authority—Water and wastewater services to urban communities and management of specific water supply catchments (e.g. Gippsland Water, South Gippsland Water) Rail Reserve management ( <i>VicTrack</i> , formerly PTC) Major road reserves (Roads Corporation as <i>VicRoads</i> ) jointly with LGA.
Parks Victoria	PV	Protection of natural and cultural values across terrestrial and marine parks and the reserves network. Responsible for National and State Parks, Reference Areas, Conservation Reserves (many categories including Nature Conservation Reserves, Natural Features Reserves [incl. Stream frontages, beds & banks / Public land Water Frontage], Historic & Cultural Features Reserves and Coastal Reserves), Regional Parks, Metropolitan Parks, and Piers & Jetties.
Private	Priv	Freehold land used for rural residential, cropping, grazing, mining, hobby farming, recreation and conservation (Landholders)

**Appendix 6b. Interests of stakeholders, within the study area.**

Stakeholder		Main role or interest in land management
Indigenous Groups	IG	In Victoria, Mirimbiak Nations Aboriginal Corporation is the native title representative body, and peak advocacy group for Aboriginal people. Cultural Heritage Units address rights and interests of Aboriginal community and culture, especially with respect to consultation and decision-making where activities may affect cultural heritage.
Botanic Guardians	BG	Voluntary (DSE-coordinated) vegetation protection and monitoring on public land
Conservation Societies	CS	Local groups having advocacy and voluntary interest in conservation issues on private and public land
Conservation Volunteers Australia	CVA	On-ground conservation services on public and private land
Country Fire Authority	CFA	Prevention and suppression of fire on lands not managed by Parks Victoria or DSE
Environment Protection Authority	EPA	Protection and monitoring of land and water health, in accord with <i>Environment Protection Act 1970</i> . Controls environmental standards, especially for wastewater discharge.
Field Naturalists Clubs	FNC	Survey and monitoring of flora and fauna
Fishcare	Fc	Promoting—to recreational anglers and the broader community—responsible attitudes and practices regarding fish and the aquatic environment.
'Friends' Groups	FG	Advocacy and voluntary interest in protecting and managing public land
Gippsland Coastal Board	GCB	Through Victorian Coastal Strategy, support maintenance of the natural coastal attractions and development of sustainable practices for coastline use.
Good Neighbour Program	GNP	Protection of private land by controlling pest plants and animals on public land boundaries
Greening Australia Victoria	GAV	Sustainable vegetation management
Land for Wildlife	LFW	Habitat retention and enhancement on private land (jointly coordinated by DSE and Bird Observers Club of Australia)
Landcare	Lc	On-ground environmental management and revegetation in an agricultural context
Marine Safety Victoria	MSV	Administration of the <i>Marine Act 1988</i> and <i>Marine Regulations 1999</i> . Standards and procedures for navigation and maritime safety on State waters, channel dredging and maintenance, and management of the 'Victoria marine pollution contingency plan'.
Threatened Species Network	TSN	Coordination of 'friends of threatened species' groups
Trust for Nature	TFN	Protection of significant freehold bushland with covenanting (Victoria)
Victorian Apiarists Association Inc	VAA	Representation of bee-keepers and apiculture industry
Victorian Environment Assessment Council	VEAC	Victorian Government agency for public land use determinations and recommendations (formerly LCC then ECC).
Victorian Farmers Federation	VFF	Representation of farming community and co-sponsorship of Landcare
Victorian National Parks Association	VNPA	Advocacy group for improving parks and reserves system Victoria-wide
Victorian Wader Study Group	VWSG	Management of wetland habitats used by waders (birds)
Waterwatch	WW	Community-based water quality monitoring and awareness programs
Weed and Rabbit Control Action Groups	WAG RAG	Weed and rabbit management on private land

## Appendix 6c. LCC Codes and management details used in asset summaries for public land tenures in Lower Kiewa Landscape Zone

LCC Code	Other abbreviation in Asset summary	Old land category (after LCC)	New land category (after ECC 1997)	Usual manager	LCC Recs
F1	SF	Hardwood production	State Forest	DSE For	Murr Vall
L2		Mineral & Stone Production	Earth Resources (Stone)	DSE LV	BI
R8-10		Mineral & Stone Production	Earth Resources (Stone)	DSE LV	NE Ben-UM
R24-28		Mineral & Stone Production	Earth Resources (Stone)	DSE LV	Murr Vall
Q9, Q10		Albury–Wodonga Corporation land (Victoria)	Land Not Required for Public Purposes	DSE LV	NE Ben-UM
		Albury–Wodonga Corporation land (Victoria)	Uncategorised Public Land (Township land)	DSE LV	NE Ben-UM
M1		Agriculture Research and Education	Services & Utilities (Other Utility Uses)	DSE LV	BI
S1, S4, S7, S12		Utilities & Survey	Services & Utilities (Other Utility Uses)	DSE LV	Murr Vall, NE Ben-UM
		Railway Reserve (Disused)	Services & Utilities (Transport)	DSE LV	
		Unused Roads	Services & Utilities (Transport)	DSE LV	
U23		Albury–Wodonga Corporation land (Victoria)	Uncategorised Public Land	DSE LV	Murr Vall, NE Ben-UM
U1, U8-9, U11-12, U21 and U39-42		Other Reserves & Public Land (Revegetation)	Uncategorised Public Land	DSE LV	Murr Vall, NE Ben-UM
	N1	Other Reserves & Public Land	Uncategorised Public Land	DSE LV	BI
	J2	Recreation reserve	Community Use (Recreation) Area	LGA	BI
O4, M4		Recreation Reserve	Community Use (Recreation) Area	LGA	Murr Vall, NE Ben-UM
		Roadside Conservation (Municipal)	Services & Utilities (Transport)	LGA	
E1	HA	Historic Area	Historic & Cultural Features Reserve	PV	BI
A1	NP	National Park	National Park	PV	BI
D67, D68	NCR	Wildlife Reserve (no hunting)	Nature Conservation Reserve	PV	BI
C5	NCR	Wildlife Reserve (no hunting)	Nature Conservation Reserve	PV	NE Ben-UM
H*, I*	NFR	Bushland Reserve	NFR Bushland Areas	PV	Murr Vall, NE Ben-UM
H*, H8	NFR	Bushland Reserve	NFR Bushland Areas	PV	BI

**Appendix 6c. LCC Codes and management details used in asset summaries for public land tenures in Lower Kiewa Landscape Zone (contd.)**

LCC Code	Other abbreviation in Asset summary	Old land category (after LCC)	New land category (after ECC 1997)	Usual manager	LCC Recs
E1, K3, K4	NFR	River Murray Reserve	NFR River Murray Reserve	PV	Murr Vall, NE Ben-UM
K1, K2	NFR	Public Land Water Frontage	NFR Stream Frontage, Beds & Banks	PV	Murr Vall, NE Ben-UM
H2	NFR	Public Land Water Frontage	NFR Stream Frontage, Beds & Banks	PV	BI
K*	NFR	Streamside Reserve	NFR Streamside Area	PV	Murr Vall, NE Ben-UM
H4	NFR	Streamside Reserve	NFR Streamside Area	PV	BI
A20, A21	RP	Regional Park	Regional Park	PV	NE Ben-UM
		Highway Reserve	Services & Utilities (Transport)	VicRds	
		Railway Reserve	Services & Utilities (Transport)	VicTk	

## Appendix 7. Example of threshold values based on 30% reporting rate for species in Victorian Riverina bioregion

Species with 100 or more observations from statewide analysis of Birds Australia database (source: Lowe *et al.* 2003)

Habitat Score	0 – 3 ha	3 – 10 ha	10 – 30 ha	30 – 100ha	100 – 400 ha	400+ ha
6	Swamp Harrier Black-shouldered Kite Nankeen Kestrel Golden-headed Cisticola	Purple-crowned Lorikeet			Black-chinned Honeyeater	
7	Australian Magpie Welcome Swallow Wedge-tailed Eagle Common Starling Brown Falcon Willie Wagtail Yellow-rumped Thornbill	Red-rumped Parrot Tree Martin Whistling Kite Pallid Cuckoo Fairy Martin Singing Honeyeater Yellow Thornbill		Buff-rumped Thornbill Dusky Woodswallow Little Lorikeet Weebill	Red-capped Robin White-browed Woodswallow White-browed Babbler White-winged Triller	
8	Australian Raven European Goldfinch Long-billed Corella Flame Robin Magpie-lark Crested Pigeon	Crested Shrike-tit Black-faced Cuckoo-shrike White-eared Honeyeater Red Wattlebird Restless Flycatcher Spotted Pardalote Musk Lorikeet Little Raven Galah Noisy Miner Pied Butcherbird Eastern Rosella Striated Pardalote Horsfield's Bronze-Cuckoo Tawny Frogmouth		Rainbow Bee-eater Rufous Whistler Mistletoebird Olive-backed Oriole Brown-headed Honeyeater White-winged Chough	Varied Sittella Brown Treecreeper Spiny-cheeked Honeyeater	
9	Spotted Turtle-Dove Common Blackbird Common Myna Brown Goshawk Rock Dove	Superb Fairy-wren White-plumed Honeyeater Little Wattlebird Grey Shrike-thrush Eastern Yellow Robin White-browed Scrubwren Crimson Rosella Grey Butcherbird Silvereye Common Bronzewing Laughing Kookaburra Sulphur-crested Cockatoo Yellow-faced Honeyeater		White-naped Honeyeater	Jacky Winter Peaceful Dove	

**Appendix 7. Example of threshold values based on 30% reporting rate for species in Victorian Riverina bioregion (contd.)**

Species with 100 or more observations from statewide analysis of Birds Australia database (source: Lowe *et al.* 2003)

Habitat Score	0 – 3 ha	3 – 10 ha	10 – 30 ha	30 – 100ha	100 – 400 ha	400+ ha
10		Striated Thornbill				
		Brown Thornbill				
		Grey Fantail				
		Golden Whistler		Satin Bowerbird		Hooded Robin
		Red-browed Finch		White-throated Treecreeper		
		Pied Currawong				
11						
12			Eastern Whipbird	Rufous Fantail	Diamond Firetail	
		Scarlet Robin		Sacred Kingfisher		
<b>Total</b>	<b>22</b>	<b>44</b>	<b>14</b>	<b>11</b>	<b>2</b>	<b>1</b>

## Appendix 8. Sources of additional information

An ever-increasing amount of information regarding the environment is becoming available via the World Wide Web (www). The general environment gateway for Victoria is <http://www.environment.vic.gov.au/>. Information provided in this document was accessed at the Web Site identified and date specified within the document.

### Victorian State Government Web Sites:

#### Department of Sustainability and Environment (formerly Department of Natural Resources and Environment)

- Department of Sustainability and Environment Web Site: <http://www.dse.vic.gov.au>
- 'Action Statements' are available on the DSE Web Site: > Plants and Animals > Native Plants and animals > Flora and Fauna Guarantee Act > Action Statements.
- 'East Asian-Australasian Shorebird Site Information Sheets' are available on the DSE Web Site: > Parks and Reserves > Wetlands > Migratory Waterbirds > East Asian-Australasian Shorebird Site Network > Shorebird Site information sheets and Maps.
- 'Forest Management Plans' are available on the DSE Web Site: > Forestry > Publications > Forest Management Plans.
- 'Management Plans for Ramsar sites' are available on the DSE Web Site: > Parks and Reserves > Wetlands > Ramsar Wetlands > Ramsar Site Management Plans.
- 'National Forest Policy Statement' is available via the DSE Web Site: Forestry > Managing Forests > Policy and Regulation > Forest Policy and Regulation
- 'Rabbit Free Accreditation information is available on the DSE Web Site: > Land and Water Management > Land > Pest Plant & Animals > Pest Animals > Rabbits
- 'Ramsar Information Sheets' are available on the DSE Web Site: > Parks and Reserves > Wetlands > Ramsar Wetlands > Ramsar Information Sheets.

#### Department of Primary Industries (formerly Department of Natural Resources and Environment):

- Department of Primary Industries Web Site: <http://www.dpi.vic.gov.au>
- 'Victorian Resources Online' has an extensive range of maps and information on the East Gippsland CMA (in prep.), Port Phillip and Westernport CMA and West Gippsland CMA. Access is available through the Department of Primary Industries Web Site: > Victorian Resources Online > Regional.

#### Department of Infrastructure:

- Department of Infrastructure Web Site: <http://www.doi.vic.gov.au>

#### Catchment Management Authority:

- Goulburn Broken Catchment Management Authority Web Site: <http://www.gbcma.vic.gov.au>
- North Central Catchment Management Authority Web Site: <http://www.nccma.vic.gov.au>
- North East Catchment Management Authority Web Site: <http://www.necma.vic.gov.au>

#### Parks Victoria

- 'Victorian Parks Management Plans' can be accessed through Parks Victorian Web Site: <http://www.parkweb.vic.gov.au/> > Publications > Management Plans & Strategies.

#### Victorian Environmental Assessment Council

- Various LCC and ECC reports can be accessed through the VEAC Web Site: <http://www.veac.vic.gov.au>

## **Appendix 8. Sources of additional information (contd.)**

### **Victorian Local Government Web Site:**

- Victorian Local Government Web Sites can be accessed through the Municipal Association of Victoria Web Site: <http://www.mav.asn.au> > Council Contacts.

### **Australian Government Web Sites:**

**Department of Environment and Heritage** (formerly Environment Australia)

#### **Other Relevant Web Sites:**

##### **Index of Stream Condition**

- 'Index of Stream Condition' Web Site: <http://www.vicwaterdata.net/isc/> > Browse Index of Stream Condition > Results

##### **Rail Trails Australia**

- Railtrails for Gippsland Plains bioregion is available on the Rail Trails Web Site: <http://www.railtrails.org.au/> > Rail Trail Guide book > Included Trails > Gippsland Rail Trails

##### **Department of Agriculture, Fisheries and Forestry Australia:**

- 'Regional Forest Agreements' are available on Department of Agriculture, Fisheries and Forestry Australia Web Site: <http://www.affa.gov.au/> > Industry Development > Regional Forest Agreements > Regions.

##### **Natural Heritage Trust**

- 'Natural Heritage Trust Overview' can be assessed on the Natural Heritage Trust Web Site, located at <http://www.nht.gov.au/> > About the Natural Heritage Trust

#### **Other Relevant Web Sites:**

##### **Index of Stream Condition**

- 'Index of Stream Condition' Web Site: <http://www.vicwaterdata.net/isc/> > Browse Index of Stream Condition > Results

##### **Rail Trails Australia**

- Railtrails for Gippsland Plains bioregion is available on the Rail Trails Web Site: <http://www.railtrails.org.au/> > Rail Trail Guide book > Included Trails > Gippsland Rail Trails