

Fulham Streamside Reserve

An 860 ha woodland frontage to the Glenelg River
10 km north of Balmoral

Rod Bird
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Report for Hamilton Field Naturalists Club

- Background to values, past uses and activities in the reserve
- Changes in management after the LCC determination in 1982
- Flora of the reserve
- Fauna of the reserve
- Current management issues with weed control and vehicles
- HFNC's environmental weed control projects 2006-2011

Cover picture

Showy Podolepis (*Podolepis jaceiodes*) at Fulham in the spring of 2006,
following the fire of January 2005

Fulham Streamside Reserve on the Glenelg River near Balmoral

Rod Bird

Fulham Streamside Reserve occupies 860 ha, fronting the Glenelg River for some 6 km in the north of the Parish of Balmoral, approximately 10 km N of Balmoral.

Traditional uses of the reserve have included forestry (Red Gum and Yellow Gum sleepers, posts and poles), firewood gathering, grazing, shooting (ducks and kangaroos), fishing (although the salinity levels now may be too high), picnicking, camping along the river (especially at Easter time and school holiday periods), driving recreational vehicles along the tracks and through the bush, and enjoyment of nature (walking, birdwatching, looking at wildflowers). Most of these activities have been unregulated and unsupervised, but timber cutting, firewood removal and grazing are no longer permitted and Parks Victoria now control the reserve. In April 1986, HFNC, WVCC and others successfully opposed a move by the former Shire of Wannon to strip gravel from the SE corner of the reserve.

The geology is a complex of Aeoleon sands (a high vegetated dune of Lowan Sand in the east and lower sediments in the west), Ordovician schist/gneiss (with rocky outcrops by the river at the eastern end) and Tertiary shallow marine sandstone/siltstone elsewhere. The gravelly parts in the southern edge support Brown Stringbark (*Eucalyptus baxteri*); the extensive flats adjacent to the river have Yellow Gum (*E. leucoxylon*), River Red Gum (*E. camaldulensis*) and Yellow Box (*E. melliodora*); the sand dune supports a stand of Slender Cypress (*Callitris gracillis*); and the wet/saline seeps have Mallee Honey-myrtle (*Melaleuca neglecta*) as the only shrub.

Collectively, these soils support a grassy-woodland/heathy-woodland of particular botanic significance and beauty. The reserve is, without doubt, one of the best repositories of botanic diversity in the region, although badly compromised by weed invasion along the river (weeds including *Sparaxis bulbifera*) and the impact of broad-scale spraying to control an agricultural weed, Cape Tulip. The greater southern portion of the reserve remains relatively free of weeds, although African Weed Orchid “arrived” there in 2006, and efforts must be made to keep that weed-free.

Apart from its floristic value, this reserve is a critical “stepping stone” of native vegetation between the Black Range/Rocklands/Grampians reserves and the remnant flora blocks of Little Youngs State Forest and Jilpanger Flora Reserve to the NW, and the Arapiles-Tooan SP further north. It is a vital “corridor” for the movement of birds, particularly given the presence of water in the reserve.

The Land Conservation Council (LCC) engaged Portland botanist Cliff Beaglehole in Oct.-Nov. 1975 to carry out a botanical survey of this area (among many other areas of Crown land), then known as the Kanagulk State Forest. He performed the survey in Oct.-Nov. 1975, listing 257 species, but time did not permit an exploration of the NE corner.

The LCC recommended in their final report of May 1982 (South Western Area District 2) “*that it be gazetted as the **Kanagulk Streamside Reserve**, and that grazing be withdrawn (at least temporarily) from the reserve*”. The Government accepted the recommendation but despite this change of status it was still being grazed – and degraded – by sheep in 1987. HFNC’s submission to the LCC had supported their proposal in the preliminary report, while stating that “*in view of the floristic values we believe that a stronger stance should have been taken on the issue of grazing in the area*”. HFNC made the point that “*grazing here cannot be said to be a management tool to decrease fire hazard – indeed the area needs a fire to rejuvenate it. There is no evidence of fire occurring there for at least 20 years and probably more – now there is simply no fine fuel to carry a fire*”.

Flora

Cliff Beaglehole was greatly impressed with the native flora and in 1984 he strongly recommended that it become a Flora Reserve (see Beaglehole 1984). He re-visited and examined the NE area on 16 June 1984 and added 41 species to the list, the total for the reserve then being 299 species (242 native species and 57 exotics). Further species were noted in visits on 9 & 24 August 1987, then 1 October, 1 November, 7 November 1989, and 21 January 1990 – the tally then being 353 species (279 native & 74 alien).

HFNC has added further species to the list in 2006, 2007, 2008 & 2011 (see Table 1), the total now being 417, with 87 exotic and 330 native species.

Beaglehole noted in 1984 the following:

- Sheep ranged the entire area, spreading weeds and preventing regeneration of native species, including 8 rare/endangered in Victoria, 72 species with isolated occurrences in the Portland Region of DCF&L, 53 species typically from northern parts of Victoria, and 15 species present only in saline areas.
- Salting was a significant problem in the central area – the effect of grazing sheep was to prevent regeneration of trees which might help contain the problem, however the main cause had been the ill-advised clearing of the catchment block immediately to the south of the reserve.
- Gully and sheet erosion was also a significant problem and a danger to the conservation value of the reserve. Livestock grazing and unregulated vehicular traffic (day visitors, campers, fishermen, recreational 4WD driving and trail bikes) contributed substantially to the problem.
- There were 12 serious exotic weed species that should be controlled or eradicated before they extensively damaged the native flora status of the reserve.

The *Western Victoria Conservation Committee*, of which Cliff was Chairman and Hilda Beauglehole, Leila Huebner, John Cleary, Hilary Turner, Andrew Pritchard, Carolyn Hodges and Rod Bird were members, agitated for many years to have grazing removed. Following the first visit to the Reserve by the committee on 9 August 1987 several articles in local newspapers and assistance of departmental officers (Trevor Ritchie and others), grazing licenses were finally cancelled in late 1987.

Visits by the committee in 1 Oct. 1989, 21 Jan. 1990 and 11 Nov. 1990 confirmed that “*there were now tens of thousands of seedlings of the four eucalypt species present*” (before grazing was removed there was no regeneration). There was regeneration of the regionally rare *Callitris gracillis* outside the fenced enclosure on Pine Ridge and *Melaleuca neglecta* in the saline flats. *Allocasuarina verticillata* and *Allocasuarina luehmannii*, was also regenerating, having been almost lost from the reserve by past management practices.

A fire in January 2005 was started in the NW corner of the reserve, at a camp site by the river. It was not acted upon in time to prevent a great deal of damage to the reserve, with many of the large, old eucalypts in the western half of the reserve being severely damaged, burned down or bulldozed later. That was a very serious loss and could have been averted by earlier action to extinguish fires in burning trees but, as acknowledged later by a DSE Fire Controller from Horsham, that has not been an operational practice of either DSE or the CFA. After criticism by HFNC of preventable damage there and in the Black Range (Bird 2006), DSE changed its approach in at least one case. That example relates to events at Bryans Swamp after the fire of 30 November 2006, where DSE prevented about 100 old trees from being bulldozed (see *Victoria Point Fire – Bryan Swamp Horsham Fire District Fire 44 2006/07 Season. A case study* (DSE and CFA).

One positive from the fire of January 2005 at Fulham was a spectacular fire-induced flowering of grassland and heathland species, with several “new” species apparent. Red-beak Orchids were thick in parts, with up to 200 plants per square metre seen between the river bend and the track at the SW end. Lilies and orchids were abundant across the grassland areas on both sides of the track leading from Edgewood Rd to the river.

Fauna

Mammals

Eastern Grey Kangaroo (*Macropus giganteus*), Red-necked Wallaby (*Macropus rufogriseus*) and Black Wallaby (*Wallabia bicolor*) occur in the reserve. Grey Kangaroos are present in quite large numbers but the Red-necked Wallaby appears now to be less common than the Black Wallaby. A Black Wallaby was first seen in Oct. 1987 (Bird 1992) and may now be displacing the Red-necked Wallaby. A few of the latter were seen in April 2006 and Sept. 2008, but not in the same areas where Black Wallabies were seen. In 2006 a Sugar Glider (*Petaurus breviceps*) tail was found beneath a Yellow Box tree in the SW section of the reserve. In Sept. 2011 one individual was seen at night in a Black Wattle near the river. Brush-tail Possum (*Trichosurus vulpecular*) are common. Ring-tailed Possums (*Pseudocheirus peregrinus*) may also occur here.

In May 2007 a Birds Australia group saw a Yellow-footed Antechinus (*Antechinus flavipes*) sunning in a River Red Gum spout near the river. An early report in the HFNC Minutes of Meeting in Feb. 1983 (Kevin Lakeman, 01/01/1983) also noted Common Dunnart (*Sminthopsis murina*). Echidna (*Tachyglossus aculeatus*) are present, along with Water Rat (*Hydromys chrysogaster*), seen on 15 Sept. 2007. We observed Platypus (*Ornithorhynchus anatinus*) in the Fulham Pool in Sept. 2008, 2009, 2010 & 2011. Introduced mammals include Red Fox (*Vulpes vulpes*), but Hares (*Lepus capensis*) and Rabbits (*Oryctolagus cuniculus*) are few.

Birds

The numbers of bird species currently stands at 118, including Powerful Owl, Red-tailed Black-cockatoo, Gang-gang Cockatoo, Southern Whiteface, Speckled Warbler and Diamond Firetail (see Table 2).

Present threats to the reserve:

- Cape Tulip – the impact of broad-scale spraying to control this pest plant has done much damage in recent years; careless operators do not employ satisfactory spot-spraying techniques. It is clear that large areas of vegetation have been blitzed of native species by the broad-scale spraying with, ironically, Cape Tulip, Sparaxis and pasture weeds the main beneficiaries of the bare ground created.
- African Weed Orchid – this had arrived in about 2003 and had a hold on parts of the Western end, although currently the threat appears to have abated after control work was implemented.
- Sparaxis (Harlequin flower) – this weed is spreading in the reserve, mainly along the river, the road fringes and track area in the western part of the reserve. Urgent spot-spraying action is needed to prevent it dominating the native ground flora in the presently unaffected or lightly infested areas.
- Other weeds – historically, the area was grazed by sheep and the legacy, particularly on the river flats, is Cocksfoot, Phalaris, Capeweed, clover, other pasture species and thistles. Efforts are being made to reduce the infestation near the prime wildflower areas. Bridal Creeper is a pest in the NW ‘peninsula’.
- Off-road vehicular traffic – trail bikes and 4WD recreational vehicles travel at will across the reserve on weekends and public holidays and constitute a significant threat to flora, through spread of weeds and disease. Some individuals monitoring ground water bores at several points in the reserve also contribute to the damage by driving along roads closed in winter and then off-road to access the bores. All bores are within short walking distance from navigable tracks that are open in winter.
- Proliferation of tracks – there is currently an attempt to prevent traffic through the central wet section along the river during winter months but that is unlikely to be heeded and there will be a continuation of vehicles going off-road to get around boggy spots (there is access to both ends of the reserve but drivers are unlikely to desist unless encouraged by fines). HFNC is convinced that the only practical solution, in the absence regular supervision of the reserve, is to upgrade the river track so that there is no need for any vehicle to depart from it. There is an urgent need for signage requesting that vehicles stay on designated tracks to prevent the destruction of native vegetation from wheels and the spread of Cape Tulip and Sparaxis seed and *Phytophthora* dieback fungus in transferred mud.
- Off-road activities – organised horse events where the riders range across the area also contribute to the damage to native vegetation, as do off-road motor cycles.
- Fire – a ban on fires from November to April (the fire season) would be effective in reducing that danger to this (and other) reserve, State Forest and National Parks in SW Victoria.
- Phytophthora – dieback is not known to be present but care is required to exclude it.
- Campers – much of the river foreshore areas have been degraded and there needs to be some restriction to prevent further loss of the habitat areas away from the banks.
- Wood cutting – wood removal on a large scale was noted in September 2008 and it persists.

Future of the reserve

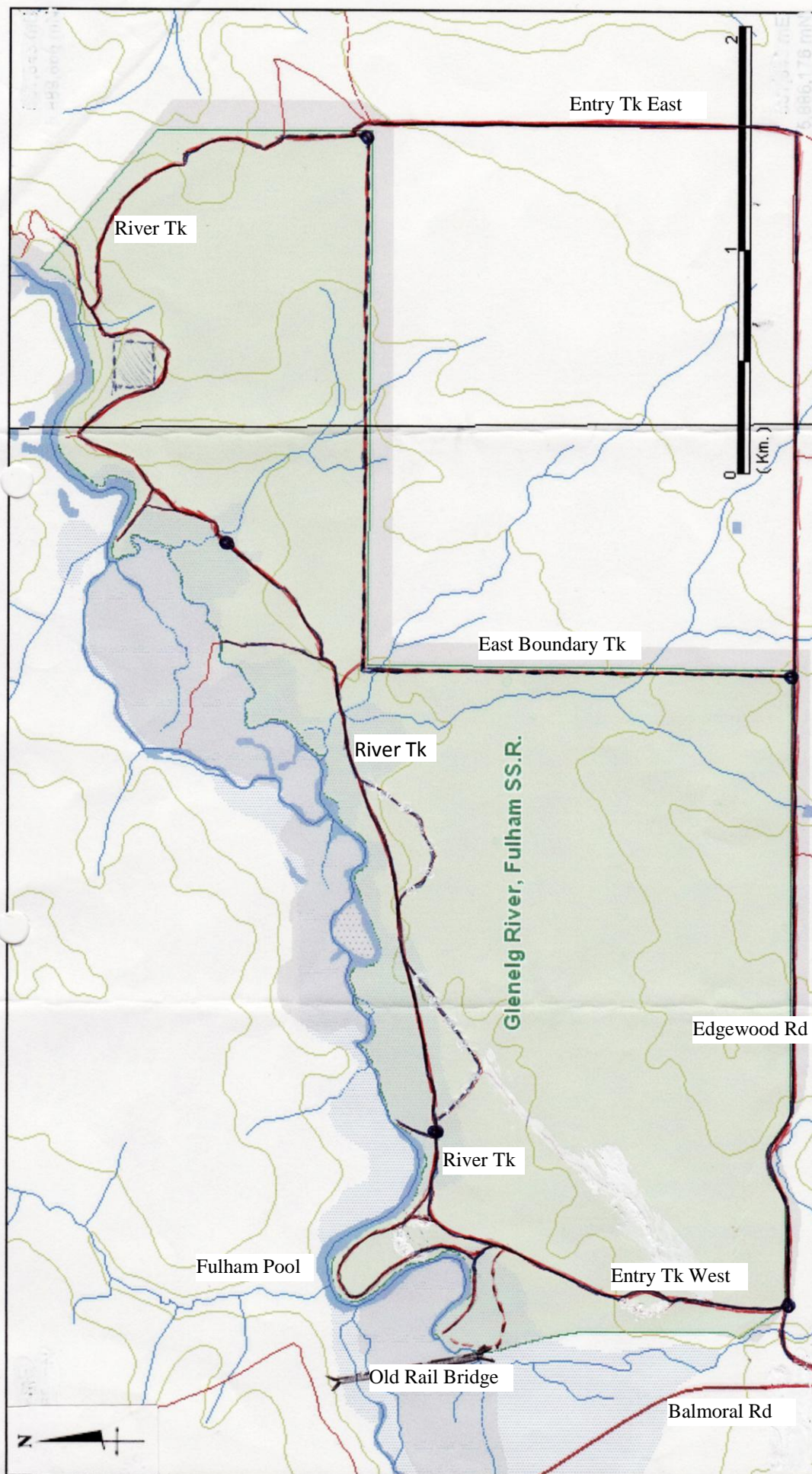
In October 2005 HFNC had a campout at Fulham and recognized the threat of environmental weeds and inadequate management of human activities in the reserve, and resolved to offer assistance to Parks Victoria. Our main efforts were to concentrate on eradicating Sparaxis, Cape Tulip, Phalaris, Cocksfoot and other pasture plants from the important botanic areas south of the River Track. Failure to do that at a stage when the infestation there was manageable would have meant the certain longer-term degradation of the entire reserve. Whether that objective can be met remains to be seen.

HFNC will pursue the following objectives:

- Control of exotic weeds (Phalaris, Cocksfoot, Cape Tulip, Sparaxis, Wild Gladioli, African Weed Orchid, etc.) in the main area of reserve south of the River Track (at first only in the western half of the reserve). HFNC, in consultation with Parks Victoria, has undertaken to locate and carefully spot-spray or wipe these weeds, beginning in the spring of 2006 and continuing in following years.
- Suggest ways of reducing off-road damage to the reserve by visitors and their vehicles.
- Continue to monitor the flora of the reserve, updating that list and list of birds and other fauna.
- Have the botanic significance of this reserve recognized as a Flora Reserve.

References

- Beaglehole AC (1984) The Distribution and Conservation of Vascular Plants in South West Victoria.
- Bird PR (1992) Expansion of the range of the Black Wallaby in Western Victoria. *Victorian Naturalist* **109**(3): 89-91.
- Bird, Rod (2006) Fire and Tree Hollows. *Wingspan* **16**(1): 60.
- DSE/CFA (2007) Victoria Point Fire – Bryan Swamp Horsham Fire District Fire 44 2006/07 Season. A case study.
- Land Conservation Council Victoria (1978) Report on the South-Western Area, District 2.



Glenelg River, Fulham SS.R.

Table 1. Fulham Streamside Reserve Vascular Flora

Records of AC (Cliff) Beauglehole (1975 to 1990) and others to 2011 – compiled by PR Bird
(records other than by ACB are noted; blank dates represent ACB records in Oct-Nov 1975)

Sig.	Botanic Name	Common Name	Date	Observer	Notes
1	<i>Acacia acinacea</i>	Gold-dust Wattle	9 Aug 87		
2	(*) <i>Acacia baileyana</i>	Cootamundra Wattle	9 Aug 87		
3	<i>Acacia brownei</i>	Heath Wattle	9 Aug 87		
4	<i>Acacia implexa</i>	Lightwood	16 Jun 87		
5	<i>Acacia mearnsii</i>	Black Wattle			
6	<i>Acacia melanoxylon</i>	Blackwood	16 Jun 87		
7	<i>Acacia myrtifolia</i>	Myrtle Wattle	16 Jun 87		
8	<i>Acacia paradoxa</i>	Hedge Wattle			
9	<i>Acacia pycnantha</i>	Golden Wattle	16 Jun 87		
10	<i>Acacia ulicifolia</i>	Juniper Wattle	9 Aug 87		
11	<i>Acacia verniciflua</i>	Varnish Wattle			
12	<i>Acaena anserinifolia</i>	Bidgee-widgee	16 Jun 87		
13	<i>Acaena echinata</i>	Sheep's Burr	16 Jun 87		
14	<i>Acianthus exertus</i>	Midge Orchid	~2004	GD & HA	
15	<i>Acrotriche serrulata</i>	Honey-pots	16 Jun 87		
16	<i>Agrostis avenacea</i>	Common Blown-grass			
17	RT+ <i>Agrostis limitanea</i>	Blown-grass	16 Jun 87		sole Vic rec.
18	* <i>Aira cupaniana</i>	Hair-grass			*
19	RT <i>Allocasuarina luehmannii</i>	Bull-oak	16 Jun 87		3 trees in 1987
20	<i>Allocasuarina muelleriana</i>	Slaty Sheoak	11 Aug 87		
21	<i>Allocasuarina verticillata</i>	Drooping Sheoak			
22	<i>Amphibromus neesii</i>	Swamp Wallaby-grass			
23	<i>Amphipogon strictus</i>	Grey-beard Grass			
24	<i>Amyema miquelli</i>	Box Mistletoe			
25	<i>Amyema pendulum</i>	Drooping Mistletoe			
26	* <i>Anagallis arvensis</i>	Pimpernel			
27	* <i>Anagallis minima</i>	Chaffweed	01 Nov 89		
28	<i>Angiathus preissianus</i>	Salt Angianthus			
29	<i>Anogramma leptophylla</i>	Annual Fern	16 Jun 87		
30	* <i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	16 Jun 87		
31	<i>Aphelia gracilis</i>	Slender Aphelia	16 Jun 87		
32	<i>Apium annuum</i>	Annual Celery	21 Jan 90		
33	<i>Apium prostratum</i>	Sea-celery	21 Jan 90		In isolated spring
34	* <i>Arctotheca calendula</i>	Cape Weed			
35	<i>Arthropodium minus</i>	Small Vanilla-lily	01 Nov 89		
36	<i>Arthropodium</i> sp. aff. <i>strictus</i>	- Chocolate-lily			
37	<i>Arthropodium strictus</i>	Common Chocolate-lily			
38	<i>Asperula conferta</i>	Common Woodruff	24 Aug 87		
39	<i>Astroloma conostephioides</i>	Flame Heath			
40	<i>Astroloma humifusum</i>	Cranberry Heath			
41	<i>Austrodanthonia caespitosa</i>	Common Wallaby-grass	16 Jun 87		
42	<i>Austrodanthonia geniculata</i>	Kneed Wallaby-grass			
43	<i>Austrodanthonia racemosa</i>	- Wallaby-grass	16 Jun 87		
44	<i>Austrodanthonia setacea</i>	Bristly Wallaby-grass	16 Jun 87		
45	<i>Austrostipa densiflora</i>	Dense Spear-grass	7 Nov 89		
46	<i>Austrostipa elegantissima</i>	Feather Spear-grass			
47	<i>Austrostipa</i> sp. 1	- Spear-grass			
48	<i>Austrostipa</i> sp. 2	- Spear-grass			
49	* <i>Avelinia michelii</i>	Avellinia			
50	* <i>Avena fatua</i>	Wild Oat	16 Jun 87		
51	<i>Banksia marginata</i>	Silver Banksia	21 Jan 90	PRB	
52	<i>Banksia ornata</i>	Desert Banksia	21 Jan 90		
53	<i>Baumia articulata</i>	Jointed Twig-rush			
54	<i>Baumia juncea</i>	Bare Twig-rush			
55	<i>Baumia rubiginosa</i>	Soft Twig-rush			
56	<i>Billardiera cymosa</i>	Sweet Apple-berry			
57	<i>Boronia nana</i>	Waxy Boronia	11 Nov 90	HT	1 plant, E end
58	<i>Bossiaea prostrata</i>	Creeping Bossiaea	24 Aug 87		
59	<i>Brachyloma ciliatum</i>	Fringed Brachyloma	16 Jun 87		
60	<i>Brachyloma daphnoides</i>	Daphne Heath			
61	<i>Brachyscome perpusilla</i>	Rayless Daisy			
62	RT <i>Brachyscome readeri</i>	Reader's Daisy			
63	<i>Brachyscome uliginosa</i>	Small Swamp Daisy			
64	<i>Bracteantha bracteata</i>	Golden Everlasting	11 Nov 90	PRB	1 plant near river
65	* <i>Briza maxima</i>	Large Quaking-grass			
66	* <i>Briza minor</i>	Lesser Quaking-grass			
67	* <i>Bromus diandrus</i>	Great Brome	16 Jun 87		

68	*	<i>Bromus hordeaceus</i>	Soft Brome	16 Jun 87		
69	*	<i>Bromus lanceolatus</i>	Mediterranean Brome	21 Jan 90		
70	*	<i>Bromus rubens</i>	Red Brome			
71		<i>Brunonia australis</i>	Blue Pincushion			
72		<i>Bulbine bulbosa</i>	Bulbine Lily			
73		<i>Bulbine semibarbata</i>	Leek Lily			
74		<i>Burchardia umbellata</i>	Milkmaids			
75		<i>Bursaria spinosa</i>	Sweet Bursaria			
76		<i>Caesia caliantha</i>	Blue Grass-lily			
77		<i>Caladenia carnea</i>	Pink Fingers			
78		<i>Caladenia cucullata</i>	Hooded Caladenia	7 Nov 89		
79		<i>Caladenia tentaculata (dilatata)</i>	Mantis Spider Orchid			
80		<i>Caladenia latifolia</i>	Pink Fairy	~2004	GD & HA	
81		<i>Caladenia patersonii</i>	Common Spider-orchid	24 Sep 11	DL	Entry Tk, N end
82		<i>Caladenia pusillus</i>	Tiny Fingers	2009	PRB	E, marsh fringe
83		<i>Calandrinia granulifera</i>	Pigmy Purslane			
84		<i>Callitriche</i> sp.	Water Starwort	24 Aug 87		
85		<i>Callitris gracillis</i>	Slender Cypress	16 Jun 87		
86		<i>Callitris rhomboidea</i>	Oyster Bay Cypress	28 Sep 06	PRB	1 tree, W mid area
87		<i>Calochilus robertsonii</i>	Purplish Beard Orchid	7 Nov 89		
88		<i>Calytrix tetragona</i>	Common Fringe-myrtle			
89	*	<i>Carduus pycnocephalus</i>	Slender Thistle	24 Aug 87		
90	*	<i>Carduus tenuiflorus</i>	- Thistle	7 Nov 89		
91		<i>Carex appressa</i>	Tall Sedge			
92		<i>Carex tereticaulis</i>	- Sedge			
93		<i>Carpobrotus modestus</i>	Inland Pigface	13 Sep 08	PRB	1 plant N-S ck
94		<i>Cassutha glabella</i>	Slender Dodder-laurel			
95	*	<i>Centaurium tenuiflorum</i>	- Centaury			
96		<i>Centipeda cunninghamii</i>	Common Sneezeweed			
97		<i>Centrolepis aristata</i>	Pointed Centrolepis			
98		<i>Centrolepis cephaliformis</i>	Cushion Centrolepis			
99		<i>Centrolepis glabra</i>	Smooth Centrolepis			
100		<i>Centrolepis polygyna</i>	Wiry Centrolepis			
101		<i>Centrolepis strigosa</i>	Hairy Centrolepis			
102	*	<i>Cerastium glomeratum</i>	Common Mouse-ear Chickweed	16 Jun 87		
103		<i>Chaemescilla corymbosa</i>	Blue Stars	24 Aug 87		
104		<i>Cheilanthes austrotenuifolia</i>	Rock Fern	16 Jun 87		
105		<i>Cheilanthes sieberi</i>	- Fern	9 Aug 87		
106		<i>Chenopodium glaucum</i>	Glaucous Goosefoot			
107		<i>Chiloglottis trapezoides</i>	Dainty Bird-orchid	2005	AP	N Edgewood Rd
108		<i>Chiloglottis x pescottiana</i>	Dainty Bird-orchid hybrid	2005	AP	N Edgewood Rd
109		<i>Chorizandra enodis</i>	Black Bristle-rush			
110		<i>Chrysocephalum apiculatum</i>	Common Everlasting			
111		<i>Chrysocephalum leucopsidium</i>	Satin Everlasting	24 Aug 87		
112	*	<i>Cicendia filiformis</i>	Slender Cicendia			
113	*	<i>Cirsium vulgare</i>	Spear Thistle	16 Jun 87		
114		<i>Clematis microphylla</i>	Small-leaved Clematis	14 Sep 06	PRB	1 plant, SW
115		<i>Comesperma calymega</i>	Blue-spike Milkwort			
116	RT	<i>Comesperma polygaloides</i>	Small Milkwort			
117		<i>Comesperma volubile</i>	Love Creeper			
118		<i>Convolvulus erubescens</i>	Pink Bindweed			
119		<i>Correa reflexa</i>	Common Correa	16 Jun 87		
120		<i>Corunastylis despectans</i>	Sharp Midge Orchid	~2004	GD & HA	
121		<i>Corybas incurvus</i>	Slaty Helmet-orchid			
122		<i>Cotula australis</i>	Common Cotula	16 Jun 87		
123	*	<i>Cotula coronopifolia</i>	Water Buttons			
124		<i>Craspedia glauca</i>	Common Billy-buttons			
125	*	<i>Crassula alata</i>	Three-part Crassula			
126		<i>Crassula decumbens</i>	Spreading Crassula			
127	RT+	<i>Crassula exerta</i>	Large-fruiting Crassula			
128		<i>Crassula helmsii</i>	Swamp Crassula	16 Jun 87		
129		<i>Crassula sieberiana</i>	Sieber Crassula	16 Jun 87		
130	*	<i>Crepis vesicaria</i>	Dandelion Hawkesbeard	11 Nov 90		
131	*	<i>Critesion hystriax</i>	Mediterranean Barley-grass			
132	*	<i>Critesion murinum</i>	Common Barley-grass	7 Nov 89		
133		<i>Cymbonotus preissanus</i>	Austral Bear's Ears	11 Aug 87		
134		<i>Cynoglossum australe</i>	Australian Hound's Tongue			
135		<i>Cynoglossum suaveolens</i>	Sweet Hound's Tongue			
136	*	<i>Cynosurus echinatus</i>	Rough Dog's Tail	16 Jun 87		
137		<i>Cyperus gunnii</i>	Flecked Flat-sedge	16 Jun 87		
138		<i>Cyperus lucidus</i>	Leafy Flat-sedge			
139		<i>Cyperus tenellus</i>	Tiny Flat-sedge			
140		<i>Cyrtostylis reniformis</i>	Small Gnat Orchid	~2004	GD & HA	
141	*	<i>Dactylis glomeratum</i>	Cocksfoot	2005	PRB	

142	<i>Daucus glochidiatus</i>	Austral Carrot			
143	<i>Daviesia arenaria</i>	- Bitter-pea	9 Aug 87		
144	<i>Deyeuxia quadriseta</i>	Reed Bent-grass			
145	<i>Dianella revoluta</i>	Black-anther Flax-lilly	9 Aug 87		
146	<i>Dianella longifolia</i>	Pale Flax-lily	Oct 06	PRB	SW area
147	<i>Dichelachne crinita</i>	Long-hair Plume-grass			
148	<i>Dichondra repens</i>	Kidney-weed			
149	<i>Dillwynia glaberrima</i>	Smooth Parrot-pea			
150	<i>Dillwynia hispida</i>	Red Parrot-pea			
151	<i>Dillwynia sericea</i>	Showy Parrot-pea			
152	<i>Dipodium punctatum</i>	Hyacinth Orchid	21 Jan 90		
153 *	<i>Disa bracteata</i>	South African Orchid	~2003	GD & HA	
154	<i>Distichlis distichophylla</i>	Australian Salt-grass			
155 *	<i>Dittrichia graveolens</i>	Stinkwort			
156	<i>Diuris chryseopsis</i>	Golden Moth Orchid	~2004	GD & HA	SE cnr
157	<i>Diuris orientis</i>	Wallflower Orchid	~2004	GD & HA	
158	<i>Diuris pardina</i>	Leopard Orchid	1 Nov 89		
159	<i>Diuris sulphurea</i>	Tiger Orchid			
160	<i>Drosera glanduligera</i>	Scarlet Sundew			
161	<i>Drosera peltata</i>	Pale Sundew			
162	<i>Drosera pygmaea</i>	Tiny Sundew	24 Aug 87		
163	<i>Drosera whittakeri</i>	Scented Sundew			
164 *	<i>Ehrharta calycina</i>	Perennial Veldt-grass	7 Nov 89		
165	<i>Eleocharis acuta</i>	Common Spike-rush			
166	<i>Eleocharis pusilla</i>	Small Spike-rush			
167	<i>Eleocharis sphacelata</i>	Tall Spike-rush			
168	<i>Elymus scaber</i>	Common Wheat-grass			
169	<i>Epilobium cinerium</i>	Variable Willow-herb			
170 *	<i>Erodium cicutarium</i>	Common Heron's-bill	16 Jun 87		
171	<i>Eryngium ovinum</i>	Blue Devil	16 Jun 87		
172	<i>Eucalyptus aff. arenacea</i>	aff. Desert Stringybark	Jan 2009	DP	NW cnr (penin.)
173	<i>Eucalyptus baxteri</i>	Brown Stringybark			
174	<i>Eucalyptus camaldulensis</i>	River Red Gum			
175	<i>Eucalyptus leucoxydon</i>	Yellow Gum	16 Jun 87		
176	<i>Eucalyptus melliodora</i>	Yellow Box			
177	<i>Eucalyptus viminalis</i> (?)	Manna Gum	16 Sep 06	PRB	SE – check this
178	<i>Eutaxia microphylla</i>	Common Eutaxia	28 Sep 06	PRB	mid area, S of Tk
179	<i>Exocarpos cupressiformis</i>	Cherry Ballart	16 Jun 87		
180	<i>Gahnia filum</i>	Chaffy Saw-sedge			
181 *	<i>Galium divaricatum</i>	Slender Bedstraw			
182 *	<i>Galium murale</i>	Small Bedstraw			
183	<i>Geranium retrorsum</i>	- Crane's-bill	16 Jun 87		
184 *	<i>Gladiolus undulatus</i>	Wild Gladiolus			
185	<i>Glossodia major</i>	Wax-lip Orchid	24 Aug 87		
186 RT	<i>Glycine latrobeana</i>	Clover Glycine			
187	<i>Gnaphalium gymnocephala</i>	Creeping Cudweed			
188	<i>Gnaphalium indutum</i>	Tiny Cudweed			
189 *	<i>Gnaphalium purpureum</i>	Purple Cudweed	16 Jun 87		
190	<i>Gompholobium ecostatum</i>	Wedge-pea	11 Nov 90	PRB	
191	<i>Gonocarpos elatus</i>	Tall Raspwort	16 Jun 87		
192	<i>Gonocarpos tetragynus</i>	Common Raspwort			
193	<i>Goodenia geniculata</i>	Bent Goodenia			
194	<i>Goodenia humilis</i>	Swamp Goodenia			
195	<i>Gratiola pubescens</i>	- Brooklime	16 Jun 87		
196	<i>Hakea muelleriana</i>	Desert Hakea			
197	<i>Hakea rugosa</i>	Dwarf Hakea			
198	<i>Haloragis heterophylla</i>	Varied Raspwort	16 Jun 87		
199	<i>Helichrysum leucopsidium</i>	Satin Everlasting	24 Aug 87		
200	<i>Helichrysum scorpiodes</i>	Button Everlasting	24 Aug 87		
201	<i>Hemarthria uncinata</i>	Mat Grass			
202	<i>Hibbertia stricta</i>	Erect Guinea-flower			
203	<i>Hibbertia virgata</i>	Twiggy Guinea-flower	9 Aug 87		
204 *	<i>Holcus lanatus</i>	Yorkshire Fog			
205 *	<i>Holcus setosus</i>	Annual Fog	1 Nov 89		
206 *	<i>Hordeum leporinum</i>	Common Barley-grass	7 Nov 89		
207	<i>Hovea linearis</i>	Common Hovea			
208	<i>Hyalosperma demissum</i>	Moss Sunray			
209	<i>Hydrocotyle callicarpa</i>	Small Pennywort			
210	<i>Hydrocotyle capillaris</i>	Thread Pennywort			
211	<i>Hydrocotyle foveolata</i>	Yellow Pennywort			
212	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort			
213 *	<i>Hypchoeris glabra</i>	Smooth Cat's-ear			
214	<i>Hypericum gramineum</i>	Small St. John's Wort			
215 *	<i>Hypochoeris radicata</i>	Cat's Ear	16 Jun 87		

216	<i>Hypolaena fastigata</i>	Tassel Rope sedge			
217	<i>Hypoxis glabella</i>	Yellow Star	11 Aug 87		
218	<i>Hypoxis pusilla</i>	Tiny Star	16 Jun 87		
219	<i>Imperata cylindrica</i>	Blady Grass			
220	<i>Iseotopsis graminifolia</i>	Grass Cushion			
221	<i>Isoetes drummondii</i>	Plain Quillwort	11 Aug 87		
222	<i>Isolepis fluitans</i>	Floating Club-rush			
223 *	<i>Isolepis hystrix</i>	Awned Club-rush			
224	<i>Isolepis nodosa</i>	Knobby Club-rush			
225	<i>Isolepis</i> sp.	- Clubrush	1 Nov 89		
226	<i>Isopogon ceratophyllus</i>	Horny Conebush			
227	<i>Isotoma fluviatilis</i>	Swamp Isotome			
228	<i>Juncus amabilis</i>	- Rush			
229	<i>Juncus bufonius</i>	Toad Rush			
230	<i>Juncus capitatus</i>	Capitate Rush			
231	<i>Juncus holoschoenus</i>	Joint-leaf Rush			
232	<i>Juncus homalocaulis</i>	Wiry Rush			
233	<i>Juncus krausii</i>	Sea Rush			
234	<i>Juncus pallidus</i>	Pale Rush			
235	<i>Juncus planifolius</i>	Broad-leaf Rush	16 Jun 87		
236	<i>Juncus subsecundis</i>	Finger Rush	16 Jun 87		
237	<i>Kennedia prostrata</i>	Running Postman			
238	<i>Lagenifera huegelii</i>	Coarse Lagenifera			
239 *	<i>Leontodon taraxacoides</i>	Hairy Hawkbit	16 Jun 87		
240	<i>Lepidosperma carphoides</i>	Black Rapier-sedge			
241	<i>Lepidosperma congestum</i>	Clustered Sword-sedge			
242	<i>Lepidosperma lineare</i>	Little Sword-sedge			
243	<i>Lepidosperma semiteres</i>	Wire Rapier-sedge	11 Aug 87		
244	<i>Leporella fimbriata</i>	Fringed hare Orchid	~2004	GD & HA	
245	<i>Leptocarpus brownii</i>	Coarse Twine-rush			
246	<i>Leptorhynchus squamatus</i>	Scaly Buttons			
247	<i>Leptospermum continentale</i>	Prickly Tea-tree			
248 (*)	<i>Leptospermum laevigatum</i> ?	Coastal Tea-tree ?	23 Oct 05	PRB	1 on trk in
249	<i>Leptospermum myrsinoides</i>	Heath Tea-tree			
250	<i>Leptospermum obovatum</i>	River Tea-tree			
251	<i>Leucopogon virgatus</i>	Common Beard-heath			
252	<i>Levenhookia dubia</i>	Hairy Stylewort			
253	<i>Linum marginale</i>	Native Flax	23 Oct 05	PRB	Post-fire, W of tk
254	<i>Lobelia alata</i>	Angled Lobelia	21 Jan 90		
255	<i>Lobelia irrigua</i>	Salt Pratia			
256 *	<i>Lolium perenne</i>	Perennial rye-grass	16 Jun 87		
257	<i>Lomandra collina</i>	Pale Mat-rush			
258	<i>Lomandra filliformis</i>	Wattle Mat-rush			
259	<i>Lomandra micrantha</i>	Small-flower Mat-rush	24 Aug 87		
260	<i>Lomandra sororia</i>	Small Mat-rush			
261	<i>Luzula</i> sp.	- Woodrush			
262 *	<i>Lycium ferocissimum</i>	African Box-thorn			
263	<i>Lythrum hyssopifolia</i>	Small Loosestrife	16 Jun 87		
264 *	<i>Medicago polymorpha</i>	Burr Medic	16 Jun 87		
265	<i>Melaleuca decussata</i>	Totem-poles	11 Aug 87		
266	<i>Melaleuca neglecta</i>	Mallee Honey-myrtle			
267	<i>Meliccytus dentata</i>	Tree Violet	23 Oct 05	PRB	NW near river
268	<i>Mentha diemenica</i>	Slender Mint	11 Aug 87		
269	<i>Mentha pulegium</i>	Pennyroyal	16 Jun 87		
270	<i>Microlaena stipoides</i>	Weeping Grass			
271	<i>Microseris</i> sp.	Yam-daisy			
272	<i>Microtis parviflora</i>	Slender Onion-orchid	1 Nov 89		
273	<i>Microtis unifolia</i>	Common Onion-orchid			
274	<i>Millotia tenuifolia</i>	Soft Millotia			
275	<i>Mimulus repens</i>	Creeping Monkey-flower			
276	<i>Mitrasacme paradoxa</i>	Wiry Mitrewort			
277 *	<i>Monchia erecta</i>	Erect Chickweed	1 Nov 89		
278	<i>Montia fontana</i>	Water Blinks	1 Nov 89		
279 *	<i>Moraea flaccida</i>	One-leaf Cape Tulip	11 Aug 87		
280	<i>Myoporum parvifolium</i>	Creeping Myoporum			
281	<i>Myosotis australis</i>	Austral Forget-me-not	23 Oct 05	PRB	Post-fire, W end
282	<i>Myriocephalus rhizocephalus</i>	Woolly-heads	1 Nov 89		
283	<i>Myriophyllum crispata</i>	- Water-milfoil	7 Nov 89		
284	<i>Myriophyllum integrifolium</i>	Tiny Water-milfoil	7 Nov 89		
285 *	<i>Myrsiphyllum asparagoides</i>	Smilax			
286	<i>Neopaxia australasica</i>	White Purslane	16 Jun 87		
287	<i>Neurachne alopecuroides</i>	Fox-tail Mulga Grass			
288 *	<i>Olea europaea</i>	Olive	11 Nov 90		West, bend

289	<i>Opercularia varia</i>	Variable Stinkweed			
290	<i>Ophioglossum lusitanicum</i>	Austral Adder's-tongue			
291	<i>Orthocercis strictum</i>	Horned Orchid			
292	<i>Oxalis perennans</i>	Wood Sorrel			
293	<i>Paracalenana minor</i>	Small Duck Orchid	~2004	GD & HA	
294 *	<i>Parapholis incurva</i>	Coast Barb-grass			
295 *	<i>Parentucellia latifolia</i>	Common Parentucellia			
296	<i>Pelargonium rodneyanum</i>	Magenta Stork's-bill			
297	<i>Pentapogon quadrifidus</i>	Five-awned Spear-grass			
298 *	<i>Pentaschistis airoides</i>	False Hair-grass	7 Nov 89		
299 *	<i>Petrorhagia velutina</i>	Hairy Pink	7 Nov 89		
300 *	<i>Phalaris aquatica</i>	Toowoomba Canary-grass	16 Jun 87		
301	<i>Pheladenia deformis</i>	Bluebeard Orchid	~2004	GD & HA	
302	<i>Phragmites australis</i>	Common Reed			
303	<i>Phylloglossum drummondii</i>	Pigmy Clubmoss			
304	<i>Pimelia humilis</i>	Common Rice-flower			
305 *	<i>Plantago bellardii</i>	Hairy Plantain			
306 *	<i>Plantago coronopus</i>	Buck's-horn Plantain			
307	<i>Plantago gaudichaudii</i>	-Plantain	7 Nov 89		
308 *	<i>Plantago lanceolata</i>	Ribwort			
309	<i>Plantago varia</i>	Variable Plantain			
310	<i>Platylobium obtusangulum</i>	Common Flat-pea			
311	<i>Pleurosorus rutifolius</i>	Blanket Fern	16 Jun 87		
312 *	<i>Poa annua</i>	Annual Meadow-grass	16 Jun 87		
313	<i>Poa labillardieri</i>	Great Tussock-grass			
314	<i>Poa sieberiana</i>	Small Tussock-grass			
315	<i>Podolepis jaceoides</i>	Showy Podolepis			
316	<i>Podotheca angustifolium</i>	Sticky Longheads	9 Aug 87		
317 *	<i>Polypogon maritimus</i>	Coast Beard-grass			
318	<i>Poranthera microphylla</i>	Small Poranthera			
319	<i>Potamogeton ochreatus</i>	Blunt Pondweed			
320	<i>Potamogeton pectinatus</i>	Fennel Pondweed			
321	<i>Prasophyllum elatum</i>	Tall Leek-orchid			
322	<i>Pseudognaphalium luteoalbum</i>	Jersey Cudweed	16 Jun 87		
323	<i>Pteridium esculentum</i>	Austral Bracken	16 Jun 87		
324	<i>Pterostylis nana</i>	Dwarf Greenhood	1 Oct 89		
325	<i>Pterostylis nutans</i>	Nodding Greenhood	17 Sep 06	DL	N end of EntryTk
326	<i>Pterostylis pedunculata</i>	Maroon-hood	24 Aug 87		
327 RT	<i>Ptilotus erubescens</i>	Hairy-tails			
328	<i>Pyrorchis nigricans</i>	Red-beaks			
329 RT	<i>Quinetia urvillei</i>	Quinetia	7 Nov 89		
330	<i>Ranunculus rivularis</i>	Small River Buttercup	16 Jun 87		
331	<i>Ranunculus robertsonii</i>	Slender Buttercup			
332 *	<i>Romulea rosea</i>	Common Onion-grass			
333 *	<i>Rumex acetosella</i>	Sheep Sorrel			
334	<i>Rumex brownii</i>	Slender Dock			
335 *	<i>Rumex crispus</i>	Curled Dock			
336	<i>Samolus repens</i>	Creeping Brookweed	1 Nov 89		
337 *	<i>Schinus molle</i>	Pepper-tree			
338	<i>Schoenus apogon</i>	Common Bog-wash			
339	<i>Schoenus breviculmis</i>	Matted Bog-rush			
340	<i>Sebaea albidiflora</i>	White Sebaea			
341	<i>Sebaea ovata</i>	Yellow Sebaea	16 Jun 87		
342	<i>Selliera radicans</i>	Selliera			
343	<i>Senecio glomeratus</i>	Annual Fireweed	16 Jun 87		
344	<i>Senecio picridioides</i>	- Fireweed	16 Jun 87		
345	<i>Senecio pinnatifolius</i>	Variable groundsel	20 Sep 07	PRB	a few plants, SW
346	<i>Senecio quadridentatus</i>	Cotton Fireweed			
347	<i>Senecio squarrosus</i>	Leafy Fireweed	24 Aug 87		
348 *	<i>Sherardia arvensis</i>	Field Madder	7 Nov 89		
349 *	<i>Silene gallica</i>	French Catchfly	7 Nov 89		
350	<i>Siloxerus multiflorus</i>	Small Wrinklewort			
351	<i>Solanum laciniatum</i>	Kangaroo Apple	14 Sep 11	PRB	Towards bridge
352 *	<i>Solanum nigrum</i>	Black Nightshade			
353	<i>Solanum simile</i>	Oondoroo			
354	<i>Solenogyne dominii</i>	- Solenogyne			
355 *	<i>Soliva sessilis</i>	Jo Jo			
356 *	<i>Sonchus asper</i>	Rough Sow Thistle			
357 *	<i>Sonchus oleraceus</i>	Sow Thistle			
358 *	<i>Sparaxis bulbifera</i>	Harlequin-flower	7 Nov 89		
359 *	<i>Spergularia rubra</i>	Red Sand-spurrey			
360	<i>Stackhousia monogyna</i>	Candles	14 Sep 06	PRB	W side, near Rail
361 *	<i>Stellaria media</i>	Chickweed	24 Aug 87		
362 *	<i>Stellaria pallida</i>	Lesser Chickweed	1 Nov 89		

363		<i>Stuartina muelleri</i>	Spoon Cudweed			
364		<i>Stylidium calcaratum</i>	White Book Trigger-plant			
365		<i>Stylidium inundatum</i>	Hundreds and Thousands			
366	*	<i>Taraxacum</i> sp.	- Dandelion			
367	R	<i>Templetonia stenophylla</i>	Leafy Templetonia	16 Sep 06	PRB	1 plant, SE side
368		<i>Tetradlea ciliata</i>	Pink Bells			
369		<i>Thelymitra antennifera</i>	Rabbit-ears			
370		<i>Thelymitra carnea</i>	Pink Sun-orchid			
371	RT+	<i>Thelymitra chasmogama</i>	Globe-hood Sun-orchid			
372		<i>Thelymitra holmesii</i>	Blue-star Sun-orchid			
373		<i>Thelymitra ixioides</i>	Dotted Sun-orchid			
374	RT+	<i>Thelymitra luteocilium</i>	Fringed Sun-orchid			
375	RT	<i>Thelymitra macmillanii</i>	Crimson Sun-orchid			
376		<i>Thelymitra nuda</i>	Scented Sun-orchid			
377		<i>Thelymitra pauciflora</i>	Slender Sun-orchid			
378		<i>Thelymitra rubra</i>	Salmon Sun-orchid			
379		<i>Themeda triandra</i>	Kangaroo Grass			
380		<i>Thysanotus patersonii</i>	Twining Fringe-lily			
381	*	<i>Tribolium acutiflorum</i>	-	1 Nov 89		
382		<i>Tricoryne elatior</i>	Yellow Rush-lily	24 Aug 87		
383	*	<i>Trifolium angustifolium</i>	Narrow-leaf Clover	7 Nov 89		
384	*	<i>Trifolium campestre</i>	Hop Clover	16 Jun 87		
385	*	<i>Trifolium cernuum</i>	Drooping-flower Clover			
386	*	<i>Trifolium dubium</i>	Suckling Clover	16 Jun 87		
387	*	<i>Trifolium glomeratum</i>	Cluster Clover	16 Jun 87		
388	*	<i>Trifolium ornithopodioides</i>	Birdsfoot Fenugreek			
389	*	<i>Trifolium repens</i>	White Clover	16 Jun 87		
390	*	<i>Trifolium subterraneum</i>	Subterranean Clover	16 Jun 87		
391		<i>Triglochin centrocarpa</i>	Dwarf Arrowgrass			
392		<i>Triglochin mucronata</i>	Prickly Arrowgrass			
393		<i>Triglochin procera</i>	Water-ribbons			
394		<i>Triglochin striata</i>	Streaked Arrowgrass			
395		<i>Triodia bunicola</i>	Common Porcupine Grass			
396		<i>Triptidiscus pygmaeus</i>	Common Sunray			
397		<i>Typha domingensis</i>	- Bulrush	21 Jan 90		
398		<i>Typha orientalis</i>	- Bulrush			
399		<i>Utricularia tenella</i>	Pink Bladderwort			
400		<i>Vallisneria spiralis</i>	Eel-weed			
401	*	<i>Verbascum virgatum</i>	Twiggy Mullein	16 Jun 87		
402		<i>Veronica gracilis</i>	Slender Speedwell	Oct 06	PRB	NW area
403		<i>Villarsia reniformis</i>	Running Marsh-flower			
404		<i>Viminaria juncea</i>	Golden Spray	9 Aug 87		
405		<i>Viola sieberiana</i>	Tiny Violet			
406		<i>Vittadinia</i> sp1 (cuneata?)	- New Holland Daisy	16 Jun 87		
407		<i>Vittadinia</i> sp2 (gracilis?)	- New Holland Daisy	16 Jun 87		
408	*	<i>Vulpia bromoides</i>	Squirrel-tail Fescue			
409	*	<i>Vulpia myuros</i>	Rats's-tail Fescue			
410		<i>Wahlenbergia gracilentia</i>	Annual Bluebell			
411		<i>Wahlenbergia gracilis</i>	Sprawling Bluebell			
412		<i>Wahlenbergia multicaulis</i>	- Bluebell			
413		<i>Wahlenbergia stricta</i>	Tall Bluebell			
414		<i>Wilsonia rotundifolia</i>	Round-leaf Wilsonia	1 Nov 89		
415		<i>Wurmbea dioica</i>	- Early Nancy	9 Aug 87		
416		<i>Xanthorrhoea minor</i>	Small Grass-tree			
417		<i>Zoysia macrantha</i>	Prickly Couch	24 Aug 87		

Observers other than AC (Cliff) Beaglehole (observer space left blank, 1975-1990) were:
GD = Glenys Dixon, HA = Helen Anderson, AP = Andrew Pritchard (DSE), HT = Hilary Turner,
PRB = Rod Bird, DL = Diane Luhrs, DP = David Pitts (DSE)

* = exotic sp.; T = threatened; R = rare

Summary: 417 species with 87 aliens and 330 indigenous species.

Table 2. HFNC BIRDLIST Fulham Streamside Reserve (Feb. 1983 to November 2011)

No.	Species	First recorded		Oct	Sep	Sep	Sep	Sep	Sep-	Sep-
		Date	Observer	2005	2006	2007	2008	2009	Oct	Oct
1	Australasian darter	04/12/1994	J Cleary				*	*		
2	Australian shelduck	18/09/2009	D Luhrs					*		
3	Australasian shoveller	12/09/2008	R Bird				*			
4	Australian magpie	29/03/1986	R Bird	*	*	*	*	*	*	*
5	Australian raven	12/11/1990	R Bird							
6	Australian wood duck	11/06/1990	R Bird	*	*	*	*	*	*	*
7	Azure kingfisher	22/10/2005	R Bird	*						
8	Black swan	11/11/1990	R Bird				*		*	
9	Black-chinned honeyeater	18/09/2006	R Bird		*					
10	Black-eared cuckoo	01/01/1983	K Lakeman							
11	Black-faced cuckoo-shrike	04/12/1994	R Bird	*	*	*	*	*	*	*
12	Black-fronted dotterel	12/09/2008	R Bird				*			
13	Black-tailed native hen	12/09/2008	D Luhrs				*			
14	Brown falcon	04/12/1994	R Bird		*				*	
15	Brown goshawk	12/09/2008	R Bird				*			
16	Brown thornbill	22/10/2005	R Bird	*	*	*	*	*	*	*
17	Brown treecreeper	29/03/1986	R Bird	*	*		*			*
18	Brown-headed honeyeater	15/04/2006	R Bird							
19	Buff-rumped thornbill	15/04/2006	R Bird		*			*		*
20	Clamorous reed-warbler	04/12/1994	R Bird							
21	Collared sparrowhawk	04/12/1994	R Bird			*	*			*
22	Common bronzewing	04/12/1994	R Bird	*	*	*	*	*	*	*
23	Crested pigeon	17/09/2010	R Bird						*	*
24	Crested shrike-tit, e fm	11/06/1990	R Bird		*					
25	Crimson rosella	29/03/1986	R Bird	*	*	*	*	*	*	*
26	Diamond firetail	04/12/1994	R Bird							
27	Dusky moorhen	29/03/1986	R Bird		*	*	*			*
28	Dusky woodswallow	01/01/1983	K Lakeman		*	*				
29	Eastern rosella	04/12/1994	R Bird				*			*
30	Eastern spinebill	16/04/2006	R Bird							
31	Eastern yellow robin	01/01/1983	K Lakeman			*				
32	Eurasian coot	29/03/1986	R Bird	*	*	*	*	*	*	*
33	Fairy martin	29/03/1986	R Bird							
34	Fan-tailed cuckoo	29/03/1986	R Bird	*	*	*	*	*	*	*
35	Flame robin	16/09/2007	R Bird			*				
36	Forest raven	18/09/2009	R Bird	*	*	*	*	*	*	*
37	Galah	25/10/1987	R Bird	*	*	*			*	*
38	Gang-gang cockatoo	11/06/1990	R Bird	*	*	*			*	*
39	Golden whistler	15/04/2006	R Bird				*			*
40	Great egret	18/09/2006	R Bird		*					*
41	Grey currawong	04/12/1994	R Bird	*	*	*	*	*	*	*
42	Grey fantail	29/03/1986	R Bird	*	*	*	*	*	*	*
43	Grey shrike-thrush	29/03/1986	R Bird	*	*	*	*	*	*	*
44	Grey teal	22/10/2005	R Bird	*		*	*	*	*br	*
45	Hoary-headed grebe	29/03/1986	R Bird							*
46	Horsfield's bronze-cuckoo	29/03/1986	R Bird	*	*	*	*	*	*	*
47	Jacky winter	29/03/1986	R Bird		*	*	*		*	*
48	Latham's snipe	18/01/1990	R Bird							
49	Laughing kookaburra	29/03/1986	R Bird	*	*	*	*	*	*	*
50	Little black cormorant	17/09/2010	D Luhrs						*	
51	Little eagle	11/10/2010	R Bird						*	
52	Little grassbird	18/09/2006	R Bird		*	*			*	
53	Little pied cormorant	29/03/1986	R Bird	*	*		*			*
54	Little raven	12/09/2008	R Bird				*	*	*	*
55	Long-billed corella	29/03/1986	R Bird	*	*	*	*	*	*	*
56	Magpie-lark	18/01/1990	R Bird		*	*		*		
57	Masked lapwing	22/10/2005	R Bird	*	*		*	*	*	
58	Masked woodswallow	01/01/1983	K Lakeman							*
59	Mistletoebird	22/10/2005	R Bird	*	*					
60	Musk duck	22/10/2005	R Bird	*				*		
61	Musk lorikeet	25/10/1987	R Bird	*	*		*		*	*
62	New Holland honeyeater	29/03/1986	R Bird		*	*	*		*	*
63	Pacific black duck	25/10/1987	R Bird	*			*	*	*	*

64	Pallid cuckoo	22/10/2005	R Bird	*		*	*	*	*	*
65	Peregrine falcon	22/10/2005	R Bird	*						*
66	Pied cormorant	04/12/1994	J Cleary							
67	Pied currawong	11/11/1990	R Bird			*	*		*	*
68	Powerful owl	16/11/2007	J Cayley			*		*		
69	Purple swamphen	29/03/1986	R Bird	*			*			
70	Purple-crowned lorikeet	11/11/1990	R Bird		*		*		*	*
71	Rainbow bee-eater	01/01/1983	K Lakeman							
72	Rainbow lorikeet	16/09/2007	R Bird			*				*
73	Red wattlebird	04/12/1994	R Bird	*	*	*	*	*	*	*
74	Red-browed finch	01/01/1983	K Lakeman		*				*	*
75	Red-capped robin	01/01/1983	K Lakeman							
76	Red-rumped parrot	29/03/1986	R Bird	*	*		*	*		*
77	Red-tailed black-cockatoo	18/09/2010	R Bird						*	
78	Restless flycatcher	29/03/1986	R Bird		*	*		*	*	
79	Rufous songlark	18/01/1990	R Bird	*	*	*	*	*		*
80	Rufous whistler	25/10/1987	R Bird	*	*			*	*	*
81	Sacred kingfisher	11/11/1990	R Bird	*				*	*	*
82	Scarlet robin	29/03/1986	R Bird	*			*			*
83	Shining bronze-cuckoo	25/10/1987	R Bird	*	*				*	*
84	Silvereye	15/04/2006	R Bird		*				*	*
85	Southern boobook	22/10/2005	R Bird	*		*	*		*	
86	Southern whiteface	29/03/1986	R Bird					*		*
87	Speckled warbler	14/07/2001	R Farnes							
88	Spiny-cheeked honeyeater	18/09/2010	R Bird						*	
89	Spotted pardalote	04/12/1994	R Bird	*	*	*	*		*	*
90	Straw-necked ibis	10/09/2011	J Hayes							*
91	Striated pardalote	25/10/1987	R Bird	*	*	*	*	*	*	*
92	Striated thornbill	22/10/2005	R Bird	*						*
93	Stubble quail	28/09/2006	R Bird		*					*
94	Sulphur-crested cockatoo	29/03/1986	R Bird	*	*	*	*	*	*	*
95	Superb fairy-wren	29/03/1986	R Bird	*	*	*	*	*	*	*
96	Swamp harrier	25/10/1987	R Bird					*	*	
97	Tawny frogmouth	12/09/2008	R Zollinger				*			
98	Tree martin	04/12/1994	R Bird		*	*				
99	Varied sittella	04/12/1994	R Bird	*	*	*	*	*	*	*
100	Wedge-tailed eagle	11/06/1990	R Bird	*		*		*		
101	Weebill	22/10/2005	R Bird	*	*	*	*		*	*
102	Welcome swallow	29/03/1986	R Bird	*	*		*			
103	Whistling kite	16/09/2007	R Bird			*	*		*	
104	White-browed babbler	15/04/2006	R Bird		*		*	*	*	*
105	White-browed scrubwren	29/03/1986	R Bird		*	*	*	*	*	*
106	White-eared honeyeater	15/04/2006	R Bird						*	*
107	White-faced heron	29/03/1986	R Bird		*		*	*	*	*
108	White-necked heron	18/09/2009	D Luhrs					*		*
109	White-plumed honeyeater	29/03/1986	R Bird	*	*	*	*	*	*	*
110	White-throated gerygone	12/09/2008	R Bird				*			
111	White-throated treecreeper	29/03/1986	R Bird		*	*	*	*	*	*
112	White-winged chough	29/03/1986	R Bird	*	*	*	*	*	*	*
113	White-winged triller	12/09/2008	R Bird				*		*	
114	Willie wagtail	29/03/1986	R Bird	*	*	*	*	*		
115	Yellow thornbill	04/12/1994	R Bird							
116	Yellow-faced honeyeater	04/12/1994	R Bird		*	*			*	
117	Yellow-rumped thornbill	29/03/1986	R Bird	*	*	*	*	*	*	*
118	Yellow-tailed black-cockatoo	29/03/1986	R Bird							
Total number of species seen at each survey period				50	60	51	63	48	60	65

The records for September 2006-2011 were made during the annual weed spot-spraying/wiping campouts at Fulham, and only from the western half of the reserve. The October 2005 campout observations were also only from the western half of the reserve.

Weed control work – see separate annual reports for 2006-2013