The flora of the Fitzgerald River National Park, Western Australia

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Abstract

Aplin, T.E.H and Newbey, K.R. The flora of the Fitzgerald River National Park, Western Australia. Kingia 1(2): 155-193 (1990). The named flora of the Fitzgerald River National Park consists of 7 species of ferns, and 1100 species, 15 subspecies and 39 varieties of flowering plants. Of these, 36 are endemic to the Park, 275 endemic to the Eyre Botanical District and 786 endemic to the South-West Botanical Province; 30 of the species are introduced aliens. In all, 848 taxa are endemic to the State of Western Australia while 283 of the native taxa have their range of distribution extending beyond the Nullarbor region into eastern Australia. In terms of species richness the Park has 0.47 taxa per km^2.

The distribution of plant taxa, over the main topographical units in the Park, varies from 578 in the plains to 245 in the coastal dunes. Shrub and small tree life forms include 68 percent of the total number of taxa while geophytes and therophytes, between them, make up a further 16 percent.

Introduction

The Fitzgerald River National Park (Park) lies in the central south coast of Western Australia, between the towns of Bremer Bay and Hopetoun along the coast and Jerramungup and Ravensthorpe inland (Figure 1). Three papers have been prepared primarily on the vegetation and the flora of the Park. The first covers vegetation with background information on climate, geology, topography, and soils (Aplin and Newbey 1990). This paper lists and comments on named plant taxa recorded up to 1980. The third paper lists additional plant taxa recorded up to the start of the biological survey of the Park (July 1985), as well as unnamed taxa and those with a high conservation value.

This paper deals with the floristic elements of the Park in terms of endemism, species diversity, life form and distribution. It is based on a botanical survey undertaken by staff members of the Western Australian Herbarium in 1970, and on collections made subsequently, mainly by Newbey (1979), in the course of a study of the vegetation of the central south coastal region. The phytogeographical regions of Western Australia (Beard 1980) are shown on the last page of this volume.

Historical Background

The first botanical collector to visit the area occupied by the Park was W. Baxter in 1829. Later visitors were J. Drummond (1847, 1848), J.S. Roe (1848) and G. Maxwell (1863). Sir William Hooker, the then Director, Royal Botanic Gardens, Kew, England, said of Drummond's 1848 collection that he had "rarely seen so great a number of fine and remarkable species arrive at any one time from one country" (Erickson 1969).

* Deceased July 23, 1988

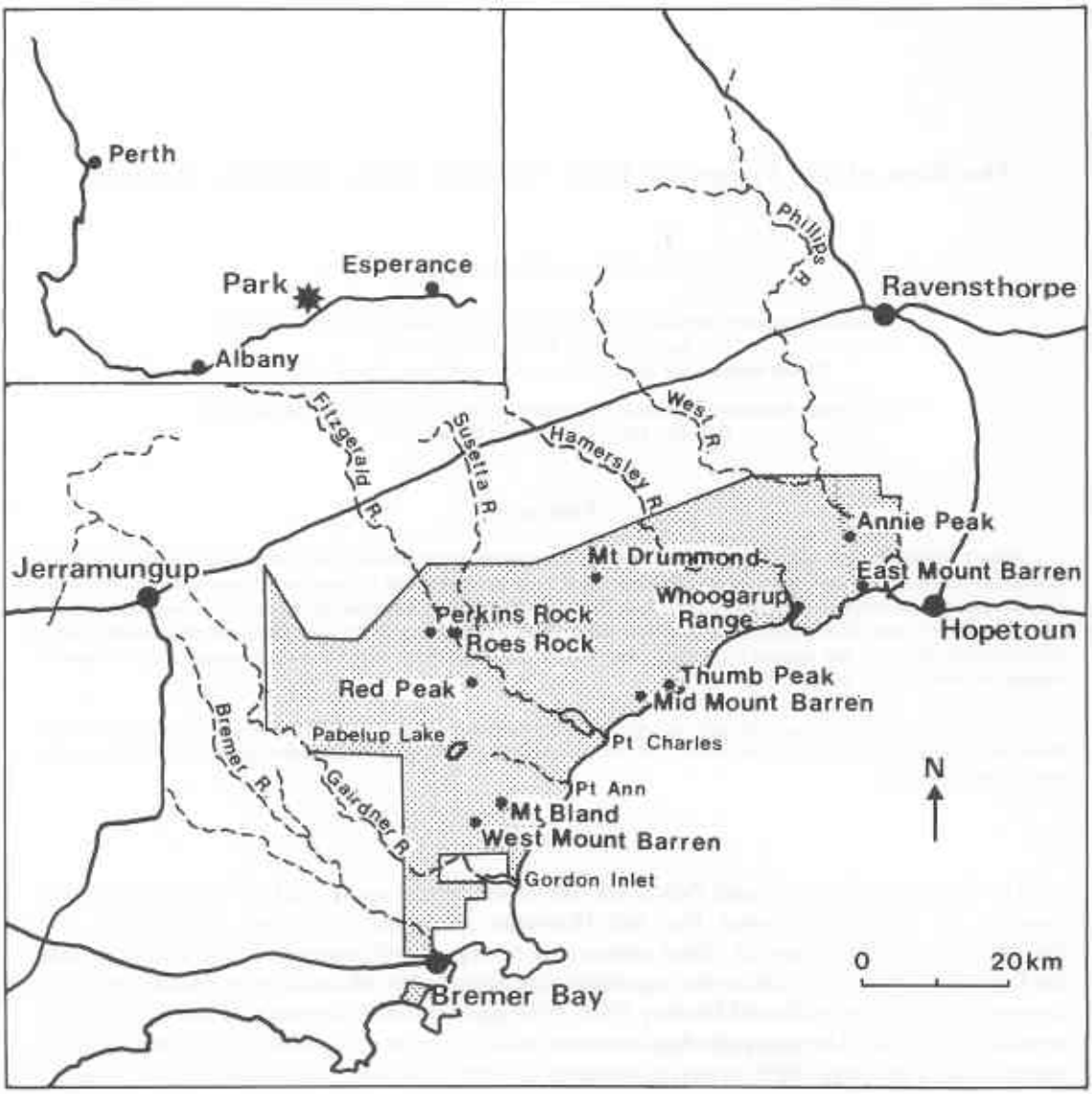

Figure 1. Map showing location of Fitzgerald River National Park

During the first half of this century important collections were also made by C. Andrews (1903), C.A. Gardner (1925, 1931, 1948), W.E. Blackall (1925, 1931) and H. Steedman (1930, 1938). Since 1950, with the release of adjacent land for agricultural development, and the subsequent easier access to the Park, numerous botanical collecting trips have been made to the Park by local and other botanists.

Results and Discussion

Floristic Data

Named plant taxa known to occur in the Park are listed in Appendix 1, and voucher specimens of most taxa have been lodged in the Western Australian Herbarium (PERTH). Nomenclature follows Green (1985) apart from two taxa; *Agonis undulata* is considered distinct from *A. hypericifolia*, and the

broad-leafed form of *Lasiopetalum rosmarinifolium* is retained as var. *latifolium*. Collections and recordings represent 7 species of ferns, and 1100 species, 15 subspecies and 39 varieties of flowering plants. Thirty of the flowering plant species are introduced. Unnamed taxa are dealt with by Newbey (1990).

Endemism

The South-West Botanical Province, in which the Park is situated, contains over 3600 plant species of which 2450, or 68 percent of the total, are endemic to the Province (Marchant 1973). Hopper (1979) suggested that this figure could be as high as 75 to 80 percent. Hopper concluded that the existence of marine, edaphic or climatic barriers to migration since the Eocene effectively isolated most components of the south-western flora from related groups in eastern Australia, and that this isolation had been primarily responsible for the maintenance of high specific endemism in the region.

There are 36 taxa, or 3 percent of the Park flora, endemic to the Park (Table 1). The greater numbers occur in the families Myrtaceae (9 taxa) and Proteaceae (8) with lesser numbers in the Mimosaceae (4), Goodeniaceae (3), Rutaceae (2), Stylidiaceae (2), Epacridaceae (1), Euphorbiaceae (1), Amaranthaceae (1), Solanaceae (1) Myoporaceae (1), Papilionaceae (1), Chloanthaceae (1), and Lamiaceae (1).

There are 786 taxa, or 68 percent of the Park flora, endemic to the South-West Botanical Province; of these 275, or 24 percent of the Park flora, are endemic to the Eyre Botanical District (Table 1). Families which have a large number of taxa, restricted to the South-West Botanical Province, i.e 10 or more, are Cyperaceae, Restionaceae, Haemodoraceae, Orchidaceae, Proteaceae, Droseraceae, Mimosaceae, Papilionaceae, Rutaceae, Euphorbiaceae, Sterculiaceae, Dilleniaceae, Thymelaeaceae, Myrtaceae, Epacridaceae, Goodeniaceae, Stylidiaceae and Asteraceae (Table 1).

The Eyre Botanical District contains several genera each with 5 or more taxa endemic to the District (Table 2). *Acacia*, *Eucalyptus*, *Banksia*, *Melaleuca*, *Leucopogon* and *Hakea*, each with 10 or more taxa, have the greatest number (Table 2). Whereas *Pultenaea*, *Banksia* and *Lasiopetalum* have the highest percentage of endemic taxa followed by *Adenanthos*, *Grevillea* and *Dryandra*.

Twenty-one genera have 8 or more taxa endemic to the South-West Botanical Province; of these *Hakea*, *Boronia*, *Banksia*, *Dryandra*, *Verticordia*, *Hibbertia*, *Adenanthos*, *Pultenaea*, *Petrophile*, *Isopogon*, *Leucopogon*, *Drosera*, *Boronia*, and *Stylidium* have the highest percentage, followed by *Acacia*, *Schoenus*, *Allocasuarina* and *Lasiopetalum* (Table 2). The largest numbers of endemic taxa are found in *Acacia*, *Eucalyptus*, *Melaleuca*, *Hakea* and *Leucopogon*, each with over 20.

The distribution of 375 taxa, or 32 percent of the Park flora extends beyond the South-West Botanical Province; of these 62 taxa, or 5 percent of the Park flora are restricted to Western Australia. Thus, 848 taxa, or 73 percent of the Park flora, are endemic to the State of Western Australia, with the majority (786) or 93 percent of those also endemic to the South-West Botanical Province (Appendix 1).

Two hundred and eighty-three of the native taxa, or 24 percent of the Park flora, extends beyond the Nullarbor region into eastern Australia (Table 3). The distribution of species occurring outside of Western Australia was based largely on Jessop (1984). Families in which over 60 percent of recorded taxa are also native to eastern Australia, are Ophioglossaceae, Dennstaedtiaceae, Adiantaceae, Aspleniaceae, Potamogetonaceae, Juncaginaceae, Centrolepidaceae, Juncaceae, Urticaceae, Santalaceae, Polygonaceae, Chenopodiaceae, Portulacaceae, Lauraceae, Crassulaceae,

Oxalidaceae, Linaceae, Zygophyllaceae, Malvaceae, Clusiaceae, Apiaceae, Gentianaceae, Apocynaceae, Convolvulaceae, Boraginaceae, Lentibulariaceae, Plantaginaceae, Campanulaceae, and Asteraceae (Table 3). In many of these families representation in the Park may be limited to one taxon only.

Of the 36 taxa endemic to the Park, 24 are endemic to the topographical unit of peaks and ridges, while a further 5, found in this unit, also occur elsewhere (Appendix 1). The remaining 7 taxa which do not occur in the peaks and ridges unit are endemic to other topographical units within the Park boundary.

Table 1. The number and percentage of taxa recorded in the Park that are endemic to the South-West Botanical Province, the Eyre Botanical District and the Park. Family sequence follows Green (1985)

Family	No. of taxa recorded in the Park	No. (and %) of Park taxa endemic to		
		S.W. Botanical Province	Eyre Botanical District	The Park
Ophioglossaceae	1	-	-	-
Adiantaceae	3	-	-	-
Dennstaedtiaceae	1	-	-	-
Aspleniaceae	2	-	-	-
Cupressaceae	4	3 (75%)	1 (25%)	-
Potamogetonaceae	1	-	-	-
Juncaginaceae	4	-	-	-
Poaceae	26	4 (15%)	1 (4%)	-
Cyperaceae	53	33 (62%)	2 (4%)	-
Restionaceae	23	21 (91%)	1 (4%)	-
Centrolepidaceae	6	2 (33%)	-	-
Philydraceae	1	1 (100%)	-	-
Juncaceae	5	-	-	-
Dasypogonaceae	10	7 (70%)	-	-
Xanthorrhoeaceae	1	1 (100%)	-	-
Phormiaceae	2	-	-	-
Anthericaceae	16	8 (50%)	3 (19%)	-
Colchicaceae	2	1 (50%)	-	-
Haemodoraceae	13	12 (92%)	3 (23%)	-
Hypoxidaceae	2	1 (50%)	-	-
Iridaceae	5	4 (80%)	2 (40%)	-
Orchidaceae	47	25 (53%)	-	-
Casuarinaceae	9	8 (89%)	2 (22%)	-
Urticaceae	1	-	-	-
Proteaceae	115	111 (96%)	56 (49%)	8 (7%)
Santalaceae	10	3 (30%)	1 (10%)	-
Olacaceae	2	2 (100%)	-	-
Loranthaceae	1	1 (100%)	-	-
Polygonaceae	1	-	-	-
Chenopodiaceae	28	1 (4%)	-	-
Amaranthaceae	5	4 (80%)	1 (20%)	1 (20%)
Gyrostemonaceae	2	2 (100%)	-	-
Aizoaceae	5	1 (20%)	-	-
Molluginaceae	1	1 (100%)	-	-
Portulacaceae	2	-	-	-
Ranunculaceae	2	1 (50%)	-	-
Lauraceae	4	1 (25%)	-	-
Brassicaceae	3	-	-	-
Droseraceae	12	11 (92%)	-	-
Crassulaceae	3	-	-	-
Pittosporaceae	7	5 (71%)	2 (29%)	-

Table 1 (continued). The number and percentage of taxa recorded in the Park that are endemic to the South-West Botanical Province, the Eyre Botanical District and the Park. Family sequence follows Green (1985)

Family	No. of taxa recorded in the Park	No. (and %) of Park taxa endemic to		
		S.W. Botanical Province	Eyre Botanical District	The Park
Rosaceae	1	-	-	-
Mimosaceae	54	46 (85%)	25 (46%)	4 (7%)
Caesalpiniaceae	2	1 (50%)	-	-
Papilionaceae	91	80 (88%)	34 (37%)	1 (1%)
Geraniaceae	5	-	-	-
Oxalidaceae	1	-	-	-
Linaceae	1	-	-	-
Zygophyllaceae	3	-	-	-
Rutaceae	36	29 (78%)	12 (33%)	2 (6%)
Tremandraceae	2	2 (100%)	2 (100%)	-
Polygalaceae	8	5 (63%)	1 (13%)	-
Euphorbiaceae	18	10 (56%)	4 (22%)	1 (6%)
Stackhousiaceae	4	1 (25%)	-	-
Sapindaceae	8	5 (63%)	3 (28%)	-
Rhamnaceae	10	9 (90%)	4 (40%)	-
Malvaceae	6	-	-	-
Sterculiaceae	21	19 (91%)	11 (52%)	-
Dilleniaceae	11	11 (100%)	-	-
Clusiaceae	1	-	-	-
Frankeniaceae	1	1 (100%)	-	-
Violaceae	2	-	-	-
Thymelaeaceae	13	13 (100%)	1 (8%)	-
Myrtaceae	159	126 (79%)	61 (38%)	9 (6%)
Haloragaceae	4	3 (75%)	-	-
Apiaceae	17	6 (35%)	3 (18%)	-
Epacridaceae	58	53 (91%)	19 (33%)	1 (2%)
Primulaceae	3	1 (33%)	-	-
Loganiaceae	8	6 (75%)	3 (38%)	-
Gentianaceae	1	-	-	-
Menyanthaceae	1	1 (100%)	-	-
Apocynaceae	1	-	-	-
Convolvulaceae	5	-	-	-
Boraginaceae	3	-	-	-
Chloanthaceae	1	1 (100%)	1 (100%)	1 (100%)
Lamiaceae	9	5 (56%)	3 (33%)	1 (11%)
Solanaceae	7	3 (43%)	1 (14%)	1 (14%)
Scrophulariaceae	2	-	-	-
Orobanchaceae	1	-	-	-
Lentibulariaceae	2	-	-	-
Myoporaceae	10	8 (80%)	2 (20%)	1 (10%)
Plantaginaceae	1	-	-	-
Rubiaceae	5	4 (80%)	-	-
Campanulaceae	1	-	-	-
Lobeliaceae	6	3 (50%)	-	-
Goodeniaceae	35	26 (74%)	5 (14%)	3 (9%)
Stylidiaceae	24	20 (83%)	5 (21%)	2 (8%)
Asteraceae	57	13 (23%)	-	-
Total	1161	786 (68%)	275 (24%)	36 (3%)

Table 2. Genera of the Park flora with a high level of endemism in the Eyre Botanical District and/or the South-West Botanical Province

Genus	No. of taxa recorded in the Park	No. (and %) of Park taxa endemic to	
		Eyre Botanical District	S.W. Botanical Province
Acacia	54	25 (46%)	46 (85%)
Eucalyptus	46	21 (46%)	33 (72%)
Melaleuca	39	14 (36%)	29 (74%)
Hakea	29	10 (34%)	29 (100%)
Leucopogon	29	11 (38%)	26 (90%)
Boronia	20	7 (35%)	18 (90%)
Stylidium	20	5 (25%)	18 (90%)
Banksia	16	14 (88%)	16 (100%)
Caladenia	15	- (0%)	10 (67%)
Lepidosperma	15	- (0%)	12 (80%)
Dryandra	14	7 (50%)	14 (100%)
Verticordia	14	5 (36%)	14 (100%)
Grevillea	13	8 (62%)	10 (77%)
Schoenus	13	2 (15%)	11 (85%)
Drosera	12	- (0%)	11 (92%)
Hibbertia	11	- (0%)	11 (100%)
Adenanthos	10	7 (70%)	10 (100%)
Pultenaea	10	9 (90%)	10 (100%)
Allocasuarina	9	2 (22%)	8 (89%)
Petrophile	9	1 (11%)	9 (100%)
Isopogon	8	3 (38%)	8 (100%)
Lasiopetalum	8	7 (88%)	7 (88%)

Table 3. Number of native Park taxa which have their range of distribution extending into eastern Australia. Family sequence follows Green (1985)

Family	No. of taxa recorded in the Park	Native taxa extending into eastern Australia	
		No.	% of Park flora
Ophioglossaceae	1	1	100%
Adiantaceae	3	3	100%
Dennstaedtiaceae	1	1	100%
Aspleniaceae	2	2	100%
Cupressaceae	4	1	25%
Potamogetonaceae	1	1	100%
Juncaginaceae	4	3	75%
Poaceae	26	12	46%
Cyperaceae	53	18	34%
Restionaceae	23	2	9%
Centrolepidaceae	6	4	67%
Philydraceae	1	-	-
Juncaceae	5	4	80%
Dasypogonaceae	10	3	30%
Xanthorrhoeaceae	1	-	-
Phormiaceae	2	1	50%
Anthericaceae	16	5	31%
Colchicaceae	2	1	50%
Haemodoraceae	13	-	-

Table 3 (continued). Number of native Park taxa which have their range of distribution extending into eastern Australia. Family sequence follows Green (1985)

Family	No. of taxa recorded in the Park	Native taxa extending into eastern Australia	
		No.	% of Park flora
Hypoxidaceae	2	1	50%
Iridaceae	5	1	20%
Orchidaceae	47	21	45%
Casuarinaceae	9	-	-
Urticaceae	1	1	100%
Proteaceae	115	1	1%
Santalaceae	10	7	70%
Olacaceae	2	-	-
Loranthaceae	1	-	-
Polygonaceae	1	1	100%
Chenopodiaceae	28	24	86%
Amaranthaceae	5	1	20%
Gyrostemonaceae	2	-	-
Aizoaceae	5	3	60%
Molluginaceae	1	-	-
Portulacaceae	2	2	100%
Ranunculaceae	2	1	50%
Lauraceae	4	3	75%
Brassicaceae	3	1	33%
Droseraceae	12	1	8%
Crassulaceae	3	3	100%
Pittosporaceae	7	-	-
Rosaceae	1	-	-
Mimosaceae	54	4	7%
Caesalpiniaceae	2	1	50%
Papilionaceae	91	10	11%
Geraniaceae	5	3	60%
Oxalidaceae	1	1	100%
Linaceae	1	1	100%
Zygophyllaceae	3	3	100%
Rutaceae	36	4	11%
Tremandraceae	2	-	-
Polygalaceae	8	2	25%
Euphorbiaceae	18	6	33%
Stackhousiaceae	4	2	50%
Sapindaceae	8	2	25%
Rhamnaceae	10	-	-
Malvaceae	6	5	83%
Sterculiaceae	21	2	10%
Dilleniaceae	11	-	-
Clusiaceae	1	1	100%
Frankeniaceae	1	-	-
Violaceae	2	1	50%
Thymelaeaceae	13	-	-
Myrtaceae	159	14	9%
Haloragaceae	4	1	25%
Apiaceae	17	11	65%
Epacridaceae	58	3	5%
Primulaceae	3	1	33%
Loganiaceae	8	2	25%
Gentianaceae	1	1	100%
Menyanthaceae	1	-	-
Apocynaceae	1	1	100%

Table 3 (continued). Number of native Park taxa which have their range of distribution extending into eastern Australia. Family sequence follows Green (1985)

Family	No. of taxa recorded in the Park	Native taxa extending into eastern Australia	
		No.	% of Park flora
Convolvulaceae	5	5	100%
Boraginaceae	3	2	66%
Chloanthaceae	1	-	-
Lamiaceae	9	3	33%
Solanaceae	7	1	14%
Scrophulariaceae	2	1	50%
Orobanchaceae	1	-	-
Lentibulariaceae	2	2	100%
Myoporaceae	10	2	20%
Plantaginaceae	1	1	100%
Rubiaceae	5	-	-
Campanulaceae	1	1	100%
Lobeliaceae	6	3	50%
Goodeniaceae	35	7	20%
Stylidiaceae	24	4	16%
Asteraceae	57	35	61%
Total	1161	283	24%

Species Richness

There are 1161 taxa recorded for the Park and as the Park has an area of some 2447 km^2, there are 0.47 species per km ^{2}. The South-West Botanical Province has 0.018 species per km ^{2} which is considered to be a high figure by world standards (Marchant 1973). The Park lies in the southern cusp of the South-West Botanical Province, one of two areas in the Province considered to be rich in plant species. A second area is inland from Jurien Bay.

Hopper (1979) has attributed species richness in south-western Australia to a number of geohistorical circumstances. These include: (1) the saving of relict species through habitat continuity caused by the preservation of early Tertiary landscapes on the Great Plateau combined with the persistence of humid climatic conditions in the high rainfall zone; (2) the development of a sclerophyllous heathland flora on nutrient-deficient soils which resulted from the weathering of extensively formed lateritic soils since the Oligocene and/or Miocene until the present day; and (3) the erosional dynamism and recurrent climatic stresses in the transitional rainfall zone during the late Tertiary and Quaternary which favoured speciation.

The families Myrtaceae, Proteaceae and Papilionaceae have the richest flora in terms of the number of plant taxa recorded in the Park, followed by the Epacridaceae, Asteraceae, Mimosaceae, Cyperaceae, Orchidaceae, Rutaceae and Goodeniaceae (Table 4). Families with the highest percentage of taxa recorded in the Park, as compared with the approximate number of species in the South-West Botanical Province, are the Myrtaceae, Epacridaceae, Cyperaceae, Asteraceae, Orchidaceae, Rutaceae, Restionaceae, Poaceae, Sterculiaceae, Thymelaeaceae and Euphorbiaceae, each with over 30 percent (Table 4).

At the generic level, the families Myrtaceae, Papilionaceae, Proteaceae, Cyperaceae, Asteraceae, Orchidaceae, Chenopodiaceae and Anthericaceae have 15 or more genera recorded in

Table 4. Selected families with a high number of taxa recorded in the Park

Family	Taxa			Genera		
	No. in Park	No. in S.W. Botanical Province (approx.)	Park as % of S.W. Botanical Province	No. in Park	No. in S.W. Botanical Province	Park as % of S.W. Botanical Province
Myrtaceae	159	460	35%	25	30	83%
Proteaceae	115	420	27%	13	15	87%
Papilionaceae	91	330	28%	22	35	63%
Epacridaceae	58	160	36%	13	14	93%
Asteraceae	57	180	32%	32	36	88%
Mimosaceae	54	330	16%	1	2	50%
Cyperaceae	53	120	44%	13	20	65%
Orchidaceae	47	150	31%	13	21	62%
Rutaceae	36	70	51%	7	13	54%
Goodeniaceae	35	140	25%	7	13	54%
Poaceae	26	70	37%	19	40	47%
Chenopodiaceae	28	100	28%	11	16	69%
Stylidiaceae	24	90	27%	2	2	100%
Restionaceae	23	60	38%	9	17	53%
Sterculiaceae	21	60	35%	6	8	75%
Euphorbiaceae	18	40	45%	11	13	85%
Apiaceae	17	70	24%	6	15	40%
Anthericaceae	16	60	27%	11	16	69%
Thymelaeaceae	13	30	43%	1	1	100%
Haemodoraceae	13	50	26%	4	7	57%
Dilleniaceae	11	60	18%	1	1	100%
Droseraceae	12	50	24%	1	1	100%
Total	927	3100	30%	228	336	68%

the South-West Botanical Province with at least 60 percent of these genera represented in the Park (Table 4).

Several genera have in excess of 10 plant taxa recorded in the Park (Table 5). The highest numbers are in *Acacia*, *Eucalyptus*, *Melaleuca*, *Hakea* and *Leucopogon*, followed by *Stylidium*, *Boronia*, *Banksia*, *Caladenia* and *Lepidosperma*. Monotypic genera recorded in the Park are *Agrostocrinum*, *Harperia*, *Needhamiella*, *Nematolepis*, *Nuytsia*, *Oligarrhena*, *Philydrella*, *Rhadinothamnus*, *Siegfriedia*, and *Spartochloa* (Appendix 1).

Table 5. Genera with more than 10 taxa recorded in the Park

Genus	No. of taxa		Park as % of S.W. Botanical Province
	Park	S.W. Botanical Province (approx.)	
Acacia	54	330	16%
Eucalyptus	46	180	26%
Melaleuca	39	110	35%
Hakea	29	75	39%
Leucopogon	29	95	31%
Stylidium	20	100	20%
Boronia	20	40	50%
Banksia	16	60	27%
Caladenia	15	60	25%
Lepidosperma	15	30	50%
Daviesia	13	50	26%
Dryandra	14	55	25%
Verticordia	14	55	25%
Grevillea	13	140	9%
Pimelea	13	40	32%
Schoenus	13	50	26%
Drosera	12	45	27%
Goodenia	12	35	34%
Adenanthos	10	35	29%
Pultenaea	10	35	29%

Life Form

Phanerophytes make up the largest number in terms of life form in the Park flora with 790 plant taxa, or 68 percent of the Park flora, in this category (Table 6). Of these, the nanophanerophytes, number 667 or 57 percent of the Park flora. Hemicryptophytes include 143 taxa or 12 percent, followed by the therophytes, 123 or 10.5 percent, and geophytes, 74 or 6 percent.

The vegetation of the Park, discussed by Aplin and Newbey (1990), reflects the richness of the shrub layer. The paucity of geophytes contrasts strongly with the flora of the Cape region in South Africa (Milewski 1983), while the lack of therophytes contrasts with rich floras in other Mediterranean climatic regions (Raven 1973).

Table 6. Number of taxa in the Park in each life form category

Life form Symbol	Category	No. in Park	% of Park flora
1.	PHANEROPHYTES	790	68%
A.	Mesophanerophytes (Trees 5-50 m high)	13	1%
ST	Small trees (5-15 m)	9	
MT	Medium trees (15-30 m)	4	
B.	Microphanerophytes (Trees and shrubs 2-5 m high)	110	9%
DT	Dwarf trees (less than 5 m)	15	
TS	Tall shrubs (over 2 m)	60	
MA	Mallees	35	
C.	Nanophanerophytes (Shrubs less than 2 m high)	667	57%
DS	Dwarf woody shrubs (less than 0.5 m)	306	
SS	Small woody shrubs (0.5-1 m)	205	
MS	Medium woody shrubs (1-1.5 m)	79	
LS	Large woody shrubs (1.5-2 m)	50	
HP	Herbaceous shrubs	13	
CL	Climbers	14	
2.	CHAMAEPHYTES	31	3%
MP	Mat plants	31	
3.	HEMICRYPTOPHYTES	143	12%
RP	Rosetted perennials	21	
PG	Perennial grasses	20	
SC	Colonial sedges	14	
SI	Tufted sedges	57	
SL	Sedge-like plants	31	
4.	GEOPHYTES	74	6%
AB	Terrestrials	73	
HY	Hydrophytes	1	
5.	THEROPHYTES	123	10.5%
AS	Other annuals	117	
AG	Annual grasses	6	
6.	PARASITIC CLIMBERS	4	0.3%
PC	Parasitic climbers	4	

Topographical Distribution

Based on geology, landforms and soils, the Park has been divided into the following five broad units. Soils are well-drained unless stated otherwise.

1. *Peaks and ridges of quartzite and phyllitic schist.* Proterozoic quartzite and phyllitic schist have been faulted and folded to form the stony Barrens, Eyre Range etc. Quartzite weathers to siliceous sands and phyllitic schist into loamy sands, sometimes underlain by sandy clay. Soils are mainly skeletal and often only fill cracks and fissures in the bedrock. Deeper deposits of colluvium form at the base of some peaks and higher ridges.

2. *Plains.* This unit consists of two sub-units with different histories but similar floras. First is the extensive marine plain formed during the Eocene. Extensive areas of sediments were later lithified into spongolite. Soils developed over this bedrock consist of sands to clay loams overlying clay loams to sandy clays. Some areas are poorly drained and gilgai has developed. Second are small areas of Archaean granitic upland plain overlain by an ancient soil profile. Soils are similar to the first sub-unit but poorly drained areas are small and few.

3. *Gorges.* Incised into the spongolite of the marine plain are narrow to broad gorges. Where floors have developed, soils are loamy sands to clays over clay loam or clay. Fringing the gorges are cliffs, or stony slopes with skeletal soils.

4. *Major drainage lines and swamps.* Drainage lines are mainly within gorges of the marine plain but they also dissect the upland plain. Most drainage lines are saline and their associated alluvial deposits range from saline to non-saline, and experience varying degrees of water-logging. Swamps occur on large sections of the marine plain lacking co-ordinated drainage. Most contain a few centimetres of water each year, but fill to a depth of up to 60 - 150 cm from floods or abnormally wet winters. Most contain fresh water.

5. *Coastal dunes.* Along some sections of the coastline are narrow systems of coastal dunes. Most are stabilised by vegetation and consist of sands, either calcareous or siliceous.

There were considerably more species recorded in the elevated plains unit and in the unit comprising the major drainage lines and larger swamps than in the other three topographical units (Appendix 1, Table 7). The plains unit typically carry high open-shrubland and/or high shrubland. Many species were found in two or more units, eg., the dominant *Eucalyptus gardneri*, *E. nutans*, *E. tetragona*, *E. uncinata*, *Banksia lemanniana* and *B. media* were each recorded in four units, while at the other end of the scale, species such as *E. sepulcralis* and *E. coronata* were each restricted in their distribution to one topographical unit only.

Table 7. Number of taxa in each topographical unit of the Park

Topographical unit	No. of taxa
1. Peaks and ridges of Proterozoic quartzite and phyllitic schist	260
2. Plains	578
3. Gorges	394
4. Major drainage lines and swamps	480
5. Coastal dunes	245

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Appendix 1. Floristic list for the Fitzgerald River National Park

Families are listed in systematic order. Nomenclature follows Green (1985) except as indicated earlier. Genera and species are in alphabetical order within families.

Key to symbols.

*	=	Naturalised alien
Life form		
ST	=	Small trees (5-15 m)
MT	=	Medium trees (15-30 m)
DT	=	Dwarf trees (less than 5 m)
TS	=	Tall shrubs (over 2 m)
MA	=	Mallees
DS	=	Dwarf woody shrubs (less than 0.5 m)
SS	=	Small woody shrubs (0.5-1 m)
MS	=	Medium woody shrubs (1-1.5 m)
LS	=	Large shrubs (1.5-2 m)
HP	=	Herbaceous shrubs
CL	=	Climbers
MP	=	Mat plants
RP	=	Rosetted perennials
PG	=	Perennial grasses
SC	=	Colonial sedges
SI	=	Tufted sedges
SL	=	Sedge-like plants
AB	=	Terrestrial geophytes
HY	=	Hydrophytes
AS	=	Other annuals
AG	=	Annual grasses
PC	=	Parasitic climbers
Topog.	=	Topography
1	=	Peaks and ridges of Proterozoic quartzite and phyllitic schist
2	=	Plains
3	=	Gorges
4	=	Major drainage lines and larger swamps
5	=	Coastal dunes
Endem.	=	Endemism (These classifications are based on the smallest phytogeographical unit in which the taxa occurs)
WA	=	Endemic to Western Australia
SW	=	Endemic to South-West Botanical Province (Beard 1980)
ER	=	Endemic to Eyre Botanical District (Beard 1980)
PK	=	Endemic to Park
EA	=	Range of distribution extends into eastern Australia (mainly Jessop 1984).

Family and species	Life form	Distribution	
		Topog.	Endem.
Ophioglossaceae			
Ophioglossum lusitanicum L.	AB	. . . 4 .	EA
Adiantaceae			
Adiantum aethiopicum L.	DS	1	EA
Cheilanthes austrotenuifolia H. Quirk & T.C. Chambers	DS	. . . 4 .	EA
Cheilanthes distans (R.Br.) Mett.	DS	. . 3 . .	EA

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Dennstaedtiaceae			
Pteridium esculentum (G. Forster) Cockayne	DS	1....	EA
Aspleniaceae			
Asplenium aethiopicum (Burm.f.) Bech.	DS	1....	EA
Pleurosorus rutifolius (R.Br.) Fee	DS	1....	EA
Cupressaceae			
Actinostrobus pyramidalis Miq.	LS	...4.	SW
Callitris drummondii (Parl.) F. Muell.	LS	.2345	ER
Callitris preissii Miq. subsp. *preissii*	TS	..34.	EA
Callitris roei (Endl.) F. Muell.	TS	..3..	SW
Potamogetonaceae			
Ruppia maritima L.	HY	...4.	EA
Juncaginaceae			
Triglochin calcitrapa Hook.	AS	...4.	EA
Triglochin centrocarpa Hook.	AS	...4.	EA
Triglochin minutissima F. Muell.	AS	...4.	WA
Triglochin mucronata R.Br.	AS	...4.	EA
Poaceae			
Agrostis avenacea J. Gmelin var. *avenacea*	PG	...4.	EA
* *Aira cupaniana* Guss.	AG	5	
* *Ammophila arenaria* (L.) Link	PG	5	
Amphipogon debilis R.Br. var. *debilis*	PG	...4.	SW
Amphipogon turbinatus R.Br.	PG	.2345	WA
* *Briza minor* L.	AG	...4.	
* *Chloris truncata* R.Br.	AG	...4.	
Cymbopogon bombycinus (R.Br.) Domin	PG	...4.	WA
Danthonia caespitosa Gaudich. var. *caespitosa*	PG	..34.	EA
Danthonia setacea R.Br.	PG	..34.	EA
Eragrostis dielsii Pilger ex Diels & E. Pritzel	PG	...4.	EA
* *Lagurus ovatus* L.	AG	5	
Neurachne alopecuroidea R.Br.	PG	.2.4.	EA
* *Pentaschistis airoides* (Nees) Stapf	AG	5	
Poa poiformis (Labill.) Druce	PG	5	EA
Poa serpentum Nees	PG	5	SW
Spartochloa scirpoidea (Steudel) C.E. Hubb.	PG	...4.	WA
Spinifex hirsutus Labill.	PG	5	EA
Sporobolus virginicus (L.) Kunth	PG	...45	EA
Stipa elegantissima Labill.	PG	.234.	EA
Stipa hemipogon Benth.	PG	.2...	EA
Stipa juncifolia Hughes	PG	...4.	ER
Stipa pycnostachya Benth.	PG	5	SW
Stipa trichophylla Benth.	PG	...4.	EA
Themeda australis (R.Br.) Stapf	PG	...4.	EA
* *Trisetaria cristata* (L.) Kerguelen	AG	...4.	
Cyperaceae			
Baumea articulata (R.Br.) S.T. Blake	SC	...4.	EA
Baumea juncea (R.Br.) Palla	SC	...4.	EA
Bulboschoenus caldwellii (V. Cook) Sojak	SC	...4.	EA
Caustis dioica R.Br.	SI	.2.4.	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Chorizandra enodis Nees	SC	. . . 4 .	EA
Cyathochaeta avenacea Benth.	SI	. 2 . 4 .	SW
Cyathochaeta clandestina (R.Br.) Benth.	SI	. 2 . 4 5	SW
* *Cyperus sanguinolentus* M. Vahl	AS	. . . 4 .	
* *Cyperus tenellus* L.f.	AS	. . . 4 .	
Gahnia ancistrophylla Benth.	SC	. . 3 4 5	EA
Gahnia australis (Nees) K.L. Wilson	SC	. 2 . . .	SW
Gahnia decomposita (R.Br.) Benth.	SI	. . . 4 .	SW
Gahnia deusta (R.Br.) Benth.	SI	. 2 . . .	EA
Gahnia drummondii (Steudel) K.L. Wilson	SI	. . 3 . .	SW
Gahnia lanigera (R.Br.) Benth.	SC	 5	EA
Gahnia trifida Labill.	SI	. 2 3 4 5	EA
Isolepis cernua (M. Vahl) Roemer & Schultes	AS	1 . . . 5	EA
Isolepis congrua Nees	AS	. . . 4 .	EA
Isolepis marginata (Thunb.) A. Dietr.	AS	. 2 . 4 .	EA
Isolepis nodosa (Rottb.) R.Br.	SI	. . . 4 5	EA
Lepidosperma brunonianum Nees	SC	. 2 3 4 .	SW
Lepidosperma carphoides F. Muell. ex Benth.	SI	. 2 . . .	EA
Lepidosperma drummondii Benth.	SI	. 2 . 4 .	SW
Lepidosperma effusum Benth.	SI	. . . 4 .	SW
Lepidosperma gladiatum Labill.	SI	. . . 4 5	EA
Lepidosperma gracile R.Br.	SI	. 2 3 4 .	SW
Lepidosperma leptophyllum Benth.	SI	. . . 4 .	SW
Lepidosperma leptostachyum Benth.	SI	. . 3 4 .	SW
Lepidosperma pruinosum Kuek.	SI	. . 3 . .	SW
Lepidosperma pubisquameum Steudel	SI	. 2 . . .	SW
Lepidosperma squamatum Labill.	SI	. 2 3 4 5	SW
Lepidosperma tenue Benth.	SI	. 2 . 4 .	SW
Lepidosperma tuberculatum Nees	SI	. 2 . . 5	SW
Lepidosperma ustulatum Steudel	SI	. 2 . . .	SW
Lepidosperma viscidum R.Br.	SI	. . 3 . .	EA
Mesomelaena stygia (R.Br.) Nees subsp. *stygia*	SI	. 2 3 . 5	SW
Mesomelaena tetragona (R.Br.) Benth.	SI	. 2 . 4 .	SW
Schoenus armeria Boeckler	SI	. 2 . . .	SW
Schoenus brevifolius R.Br.	SI	. 2 . . .	ER
Schoenus curvifolius (R.Br.) Benth.	SI	. 2 . . .	SW
Schoenus grammatophyllus F. Muell.	SI	1 2 . . .	SW
Schoenus grandiflorus (Nees) F. Muell.	SI	 5	SW
Schoenus humilis Benth.	AS	. . . 4 .	SW
Schoenus lanatus Labill.	SI	. 2 . . .	SW
Schoenus nanus (Nees) Benth.	AS	. . . 4 .	EA
Schoenus odontocarpus F. Muell.	AS	. . . 4 .	SW
Schoenus sculptus (Nees) Boeckler	AS	. . . 4 .	EA
Schoenus subbarbatus Kuek.	SI	1	SW
Schoenus subflavus Kuek.	SI	. 2 . . .	SW
Schoenus sublaxus Kuek.	SI	1 . . 4 .	ER
Tetraria capillaris (F. Muell.) J. Black	SI	. . . 4 .	EA
Tricostularia neesii Lehm. var. *neesii*	SI	1 2 . . .	SW
Tricostularia neesii Lehm. var. *elatior* Benth.	SI	1 2 . 4 .	SW
Restionaceae			
Alexgeorgea nitens (Nees) L. Johnson & B. Briggs	SI	1 2 . . .	SW
Anarthria gracilis R.Br.	SI	. 2 . 4 .	SW
Anarthria humilis Nees	SI	. 2 . . .	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Anarthria laevis R.Br.	SI	. 2345	SW
Anarthria polyphylla Nees	SI	. 2. . .	SW
Anarthria prolifera R.Br.	SI	. 2. . .	SW
Anarthria scabra R.Br.	SI	12. . .	SW
Harperia lateriflora W. Fitzg.	SI	. 2. 4.	SW
Hypolaena exsulca R.Br.	SI	. 2. 4.	SW
Hypolaena fastigiata R.Br.	SI	. 2. . .	EA
Lepidobolus chaetocephalus F. Muell.	SI	. 2. . .	SW
Lepidobolus preissianus Nees	SI	. . . 4.	SW
Leptocarpus canus Lindley & Nees	SC	. . . 4.	SW
Leptocarpus humilis Gilg	SI	. 2. . .	SW
Leptocarpus tenellus (Nees) F. Muell.	SI	. 2. . .	SW
Loxocarya cinerea R.Br.	SI	. 2. . .	SW
Loxocarya fasciculata (R.Br.) Benth.	SI	. 23. .	EA
Loxocarya flexuosa (R.Br.) Benth.	SC	. 23. 5	SW
Lyginia barbata R.Br.	SI	. 2. 45	SW
Restio crispatus R.Br.	SI	12. . .	ER
Restio laxus R.Br.	SC	. . . 4.	SW
Restio megalotheca F. Muell.	SI	. . . 4.	SW
Restio sphacelatus R.Br.	SI	12. . .	SW
Centrolepidaceae			
Aphelia brizula F. Muell.	AS	. . . 4.	SW
Centrolepis aristata (R.Br.) Roemer & Schultes	AS	. . . 4.	EA
Centrolepis drummondiana (Nees) Walp.	AS	. . . 4.	EA
Centrolepis pilosa Hieron.	AS	. . . 4.	SW
Centrolepis polygyna (R.Br.) Hieron.	AS	1. . 45	EA
Centrolepis strigosa (R.Br.) Roemer & Schultes	AS	. . . 4.	EA
Philydraceae			
Philydrella pygmaea (R.Br.) Caruel	AB	. . . 4.	SW
Juncaceae			
* *Juncus bufonius L.*	AS	. . . 4.	
Juncus kraussii Hochst.	SC	. . . 4.	EA
Juncus pallidus R.Br.	SI	. . 34.	EA
Juncus pauciflorus R.Br.	SC	. . . 4.	EA
Juncus subsecundus Wakef.	SC	. . . 4.	EA
Dasypogonaceae			
Calectasia cyanea R.Br.	DS	. 2. . .	SW
Chamaexeros serra (Endl.) Benth.	SL	. 2. . .	SW
Dasypogon bromeliifolius R.Br.	SL	12. . .	SW
Lomandra collina (R.Br.) Ewart	SL	. 23. 5	EA
Lomandra effusa (Lindley) Ewart	SL	. . . 4.	EA
Lomandra hastilis (R.Br.) Ewart	SL	. 2. . 5	SW
Lomandra micrantha (Endl.) Ewart subsp. *micrantha*	SL	. 234.	EA
Lomandra mucronata (R.Br.) A. Lee	SL	. 23. .	SW
Lomandra nigricans T.D. Macfarlane	SL	. 2. . .	SW
Lomandra rupestris (Endl.) Ewart	SL	. . . 4.	SW
Xanthorrhoeaceae			
Xanthorrhoea platyphylla D.J. Bedford	SL	123. .	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Phormiaceae			
Dianella revoluta R.Br.	SL	. 2 3 4 5	EA
Stypandra imbricata R.Br.	DS	1 . 3 4 .	WA
Anthericaceae			
Agrostocrinum scabrum (R.Br.) Baillon	SL	. 2 3 . .	SW
Arthropodium preissii Endl.	AB	. . . 4 .	WA
Borya constricta D.M. Churchill	SL	. 2 3 4 .	WA
Caesia parviflora R.Br.	AB	. . . 4 5	EA
Chamaescilla corymbosa (R.Br.) F. Muell. ex Benth.	AB	. . . 4 .	EA
Chamaescilla spiralis (Endl.) F. Muell. ex Benth.	AB	. 2 3 4 .	SW
Corynotheca micrantha (Lindley) J.F. MacBr.	DS	 5	WA
Johnsonia acaulis Endl.	SL	. 2 . 4 .	SW
Laxmannia brachyphylla F. Muell. ex Benth.	DS	. 2 3 4 .	ER
Laxmannia grandiflora Lindley	DS	. 2 3 . .	SW
Laxmannia sessiliflora Decne.	DS	. 2 . . .	EA
Stawellia gymnocephala Diels	AB	. 2 . . .	ER
Thysanotus dichotomus (Labill.) R.Br.	DS	. 2 . 4 5	SW
Thysanotus parviflorus N.H. Brittan	AB	1	ER
Thysanotus patersonii R.Br. subsp. *patersonii*	AB	. 2 3 4 .	EA
Tricoryne elatior R.Br.	DS	 5	EA
Colchicaceae			
Burchardia umbellata R.Br.	AB	. . 3 4 .	EA
Wurmbea tenella (Endl.) Benth.	AB	. . . 4 .	SW
Haemodoraceae			
Anigozanthos humilis Lindley	SL	. 2 . . .	SW
Anigozanthos rufus Labill.	SL	. 2 . . .	ER
Conostylis androstemma F. Muell. subsp. *argentea* J.W. Green	SL	. 2 3 . .	SW
Conostylis aurea Lindley	SL	. 2 . . .	SW
Conostylis bealiana F. Muell.	SL	. 2 . . .	WA
Conostylis petrophiloides F. Muell. ex Benth.	SL	1 2 . . .	SW
Conostylis seorsiflora F. Muell.	SL	. 2 . 4 5	ER
Conostylis serrulata R.Br.	SL	. . . 4 .	SW
Conostylis setigera R.Br.	SL	. 2 3 . .	SW
Conostylis vaginata Endl.	SL	1 2 . . .	ER
Haemodorum paniculatum Lindley	SL	. 2 . . .	SW
Haemodorum spicatum R.Br.	SL	. 2 . . .	SW
Tribonanthes violacea Endl.	AB	. . . 4 .	SW
Hypoxidaceae			
Hypoxis glabella R.Br.	AB	. . . 4 .	EA
Hypoxis leptantha Benth.	AB	. . . 4 .	SW
Iridaceae			
Orthrosanthus laxus (Endl.) Benth.	SL	. . 3 . .	ER
Patersonia juncea Lindley	SL	. 2 . . .	SW
Patersonia lanata R.Br.	SL	. 2 . . 5	ER
Patersonia occidentalis R.Br.	SL	1 2 . . .	EA
Patersonia umbrosa Endl. var. *umbrosa*	SL	. 2 . . .	SW
Orchidaceae			
Acianthus reniformis (R.Br.) Schltr. var. *reniformis*	AB	1 . . . 5	EA
Caladenia aphylla Benth.	AB	. 2 . . .	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Caladenia barbarossa H.G. Reichb.	AB	1..4.	SW
Caladenia deformis R.Br.	AB	12...	EA
Caladenia dilatata R.Br. var. *falcata* Nicholls	AB	..3..	SW
Caladenia ericksonae Nicholls	AB	...4.	SW
Caladenia filamentosa R.Br. var. *denticulata* (Lindley) H.G. Reichb.	AB	...4.	WA
Caladenia flava R.Br.	AB	123..	SW
Caladenia hirta Lindley	AB	1....	SW
Caladenia huegelii H.G. Reichb.	AB	1....	EA
Caladenia latifolia R.Br.	AB	1....	EA
Caladenia longicauda Lindley	AB	1..4.	SW
Caladenia menziesii R.Br.	AB	1....	EA
Caladenia nana Endl.	AB	1....	SW
Caladenia roei Benth.	AB	...4.	SW
Caladenia saccharata H.G. Reichb.	AB	.2...	SW
Cryptostylis ovata R.Br.	AB	...4.	SW
Diuris emarginata R.Br.	AB	.2...	EA
Diuris longifolia R.Br.	AB	123..	EA
Diuris setacea R.Br	AB	.2...	SW
Elythranthera brunonis (Endl.) A.S. George	AB	12...	SW
Eriochilus dilatatus Lindley	AB	.2...	SW
Eriochilus scaber Lindley	AB	12...	SW
Leporella fimbriata (Lindley) A.S. George	AB	.23..	EA
Lyperanthus nigricans R.Br.	AB	.23..	EA
Microtis unifolia (G. Forster) H.G. Reichb.	AB	...45	EA
Paracaleana nigrita (Lindley) Blaxell	AB	1....	SW
Prasophyllum elatum R.Br.	AB	1....	EA
Prasophyllum fimbria H.G. Reichb.	AB	1....	SW
Prasophyllum gibbosum R.Br.	AB	1....	SW
Prasophyllum hians H.G. Reichb.	AB	1....	SW
Prasophyllum macrostachyum R.Br. var. *ringens* (H.G. Reichb.) A.S. George	AB	..3..	EA
Prasophyllum nigricans R.Br.	AB	..3..	EA
Prasophyllum sargentii (Nicholls) A.S. George	AB	1....	SW
Pterostylis nana R.Br.	AB	1...5	EA
Pterostylis plumosa L. Cady	AB	1..4.	EA
Pterostylis recurva Benth.	AB	..3..	SW
Pterostylis sargentii C.R.P. Andrews	AB	1....	SW
Pterostylis scabra Lindley var. *robusta* (R.S. Rogers) A.S. George	AB	..3..	EA
Pterostylis vittata Lindley var. *vittata*	AB	1.3..	EA
Thelymitra antennifera (Lindley) J.D. Hook.	AB	.23..	EA
Thelymitra campanulata Lindley	AB	..34.	SW
Thelymitra canaliculata R.Br.	AB	.2...	EA
Thelymitra crinita Lindley	AB	.2...	SW
Thelymitra fuscolutea R.Br. var. *fuscolutea*	AB	12...	EA
Thelymitra nuda R.Br.	AB	.2...	EA
Thelymitra variegata (Lindley) F. Muell.	AB	.2...	SW
Casuarinaceae			
Allocasuarina acuaria (F. Muell.) L. Johnson	LS	.2...	ER
Allocasuarina campestris (Diels) L. Johnson subsp. *campestris*	LS	1.3..	SW
Allocasuarina huegeliana (Miq.) L. Johnson	TS	..34.	SW
Allocasuarina humilis (Otto and Dietr.) L. Johnson	MS	1234.	SW
Allocasuarina lehmanniana (Miq.) L. Johnson	TS	.2.45	SW
Allocasuarina microstachya (Miq.) L. Johnson	DS	.23..	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Allocasuarina scleroclada (L. Johnson) L. Johnson	LS	123..	WA
Allocasuarina thuyoides (Miq.) L. Johnson	SS	123.5	SW
Allocasuarina trichodon (Miq.) L. Johnson	TS	123..	ER
Urticaceae			
Parietaria debilis G. Forster	AS	..3..	EA
Proteaceae			
Adenanthos cacomorphus E.C. Nelson	MS	.2...	PK
Adenanthos cuneatus Labill.	MS	.2...	SW
Adenanthos dobagii E.C. Nelson	SS	12...	PK
Adenanthos ellipticus A.S. George	TS	1....	PK
Adenanthos flavidiflorus F. Muell.	SS	.2...	SW
Adenanthos glabrescens E.C. Nelson subsp. *exasperata* E.C. Nelson	SS	.2...	ER
Adenanthos labillardierei E.C. Nelson	MS	1....	PK
Adenanthos oreophilus E.C. Nelson	LS	1....	ER
Adenanthos sericeus Labill. subsp. *sericeus*	TS	12...	SW
Adenanthos venosus Meissner	LS	1....	PK
Banksia attenuata R.Br.	DT	12...	SW
Banksia baueri R.Br.	MS	12...	ER
Banksia baxteri R.Br.	TS	12...	ER
Banksia caleyi R.Br.	LS	.234.	ER
Banksia coccinea R.Br.	TS	12...	ER
Banksia dryandroides Baxter ex Sweet	SS	.23.5	ER
Banksia gardneri A.S. George var. *hiemalis* A.S. George	DS	12..5	SW
Banksia laevigata Meissner subsp. *laevigata*	TS	..3..	ER
Banksia lemanniana Meissner	TS	123.5	ER
Banksia media R.Br.	TS	.2345	ER
Banksia nutans R.Br. var. *nutans*	SS	12.4.	ER
Banksia oreophila A.S. George	LS	12...	ER
Banksia pulchella R.Br.	SS	.2...	ER
Banksia repens Labill.	DS	.2...	ER
Banksia speciosa R.Br.	TS	12...	ER
Banksia violacea C. Gardner	SS	123..	ER
Conospermum bracteosum Meissner	SS	.2.4.	SW
Conospermum caeruleum R.Br.	SS	.2...	SW
Conospermum distichum R.Br.	SS	12...	SW
Conospermum floribundum Benth.	DS	.2...	SW
Conospermum leianthum E. Pritzel	SS	.2...	ER
Conospermum petiolare R.Br.	DS	12...	ER
Conospermum teretifolium R.Br.	MS	12...	ER
Dryandra arctotidis R.Br.	DS	123..	ER
Dryandra armata R.Br.	SS	12...	SW
Dryandra cirsioides Meissner	MS	.23..	SW
Dryandra conferta Benth.	SS	.2...	SW
Dryandra cuneata R.Br.	MS	.2...	ER
Dryandra falcata R.Br.	LS	123..	ER
Dryandra foliosissima C. Gardner	MS	.2...	ER
Dryandra nivea (Labill.) R.Br.	DS	12.45	SW
Dryandra obtusa R.Br.	DS	.2.4.	ER
Dryandra plumosa R.Br.	MS	12.4.	ER
Dryandra pteridifolia R.Br.	SS	12345	SW
Dryandra quercifolia Meissner	LS	123.5	ER
Dryandra sessilis (Knight) Domin	TS	5	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Dryandra tenuifolia R.Br.	DS	. 2 3 4 5	SW
Franklandia fucifolia R.Br.	SS	. 2 . . .	SW
Grevillea coccinea Meissner	MS	. 2 3 . .	ER
Grevillea fasciculata R.Br.	SS	. 2 . . .	ER
Grevillea fistulosa A.S. George	SS	1	PK
Grevillea haplantha F. Muell. ex Benth.	SS	. 2 . . .	SW
Grevillea huegelii Meissner	SS	. . 3 . .	EA
Grevillea infundibularis A.S. George	SS	1	PK
Grevillea nudiflora Meissner	DS	1 2 3 4 5	ER
Grevillea paniculata Meissner	TS	. . . 4 .	WA
Grevillea patentiloba F. Muell.	SS	. 2 3 . .	ER
Grevillea pauciflora R.Br.	MS	. 2 3 4 .	WA
Grevillea pectinata R.Br.	MS	. . 3 4 .	ER
Grevillea tetragonoloba Meissner	TS	. 2 . . .	SW
Grevillea tripartita Meissner	TS	. 2 3 4 5	ER
Hakea baxteri R.Br.	TS	. 2 . . .	ER
Hakea cinerea R.Br.	MS	. 2 . . .	ER
Hakea commutata F. Muell.	MS	. 2 3 . .	SW
Hakea corymbosa R.Br.	LS	. 2 3 4 5	ER
Hakea crassifolia Meissner	TS	1 2 3 4 5	ER
Hakea cucullata R.Br.	TS	1 2 . . .	ER
Hakea falcata R.Br.	SS	. 2 . . .	SW
Hakea ferruginea Sweet	LS	1 2 3 4 .	SW
Hakea florida R.Br.	TS	1 . . 4 .	SW
Hakea hookeriana Meissner	TS	1	PK
Hakea incrassata R.Br.	DS	1 2 . . .	SW
Hakea laurina R.Br.	DT	1 2 3 4 .	ER
Hakea lehmanniana Meissner	SS	. 2 3 . .	SW
Hakea lissocarpha R.Br.	LS	. 2 3 4 5	SW
Hakea marginata R.Br.	SS	. 2 3 4 5	SW
Hakea nitida R.Br.	TS	. 2 3 4 5	SW
Hakea obliqua R.Br.	LS	. 2 3 4 5	SW
Hakea obtusa Meissner	LS	1 2 3 . .	ER
Hakea oleifolia (Smith) R.Br.	DT	 5	SW
Hakea prostrata R.Br.	MS	. 2 . 4 5	SW
Hakea rubriflora Lamont	TS	. 2 . . .	ER
Hakea ruscifolia Labill.	LS	. 2 . . .	SW
Hakea strumosa Meissner	SS	. 2 3 4 .	SW
Hakea suaveolens R.Br.	LS	1	SW
Hakea sulcata R.Br.	SS	. 2 . 4 .	SW
Hakea trifurcata (Smith) R.Br.	LS	. 2 3 4 5	SW
Hakea varia R.Br.	MS	. 2 3 4 5	SW
Hakea verrucosa F. Muell.	TS	1 2 . . 5	SW
Hakea victoria J. Drumm.	TS	1 2 . 4 5	ER
Isopogon attenuatus R.Br.	DS	1 2 . . 5	SW
Isopogon buxifolius R.Br.	SS	. 2 3 4 5	SW
Isopogon formosus R.Br.	SS	1 2 3 . .	SW
Isopogon longifolius R.Br.	MS	. 2 . . .	SW
Isopogon polycephalus R.Br.	MS	1 2 . . .	ER
Isopogon teretifolius R.Br.	SS	1 2 3 . .	SW
Isopogon trilobus R.Br.	MS	. 2 3 4 5	ER
Isopogon tripartitus R.Br.	MS	. 2 . 4 .	ER
Lambertia inermis R.Br.	TS	1 2 3 4 .	ER
Persoonia dillwynioides Meissner	LS	. 2 3 . .	ER

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Persoonia teretifolia R.Br.	LS	123..	ER
Persoonia striata R.Br.	DS	1234.	SW
Petrophile divaricata R.Br.	SS	12...	SW
Petrophile ericifolia R.Br. var. *ericifolia*	MS	.2...	SW
Petrophile fastigiata R.Br.	SS	12...	ER
Petrophile longifolia R.Br.	MP	.2.4.	SW
Petrophile phylicoides R.Br.	DS	.2...	SW
Petrophile rigida R.Br.	DS	.2...	SW
Petrophile seminuda Lindley	DS	.2345	SW
Petrophile squamata R.Br.	SS	.2345	SW
Petrophile teretifolia R.Br.	DS	.2.4.	SW
Stirlingia tenuifolia (R.Br.) Steudel	DS	.2.45	SW
Synaphea favosa R.Br.	DS	.234.	SW
Synaphea polymorpha R.Br.	DS	.2...	WA
Synaphea reticulata (Smith) C. Gardner	DS	.2...	SW
Santalaceae			
Choretrum glomeratum R.Br.	MS	.23..	EA
Exocarpos aphyllus R.Br.	MS	.2345	EA
Exocarpos sparteus R.Br.	DT	12345	EA
Leptomeria axillaris R.Br.	DS	1....	ER
Leptomeria pauciflora R.Br.	MS	..3..	SW
Leptomeria preissiana (Miq.) A.DC.	MS	..3..	EA
Leptomeria spinosa (Miq.) A.DC.	DS	12.45	SW
Santalum acuminatum (R.Br.) A.DC.	DT	..34.	EA
Santalum murrayanum (Mitch.) C. Gardner	DT	..3..	EA
Santalum spicatum (R.Br.) A.DC.	DT	...4.	EA
Olacaceae			
Olax benthamiana Miq.	SS	.2...	SW
Olax phyllanthi (Labill.) R.Br.	SS	5	SW
Loranthaceae			
Nuytsia floribunda (Labill.) R.Br. ex Fenzl	DT	12...	SW
Polygonaceae			
Muehlenbeckia adpressa (Labill.) Meissner	CL	..345	EA
Chenopodiaceae			
Atriplex cinerea Poiret	MS	5	EA
Atriplex isatidea Moq.	MS	5	WA
* *Atriplex prostrata* M. Boucher ex DC.	SS	5	
Chenopodium desertorum (J. Black) J. Black subsp. *desertorum*	MP	...4.	EA
* *Chenopodium glaucum* L. subsp. *glaucum*	AS	...4.	
Enchylaena tomentosa R.Br. var. *tomentosa*	DS	..34.	EA
Halosarcia indica (Willd.) Paul G. Wilson subsp. *bidens* (Nees) Paul G. Wilson	DS	...4.	EA
Halosarcia indica (Willd.) Paul G. Wilson subsp. *leiostachyum* (Benth.) Paul G. Wilson	DS	...4.	EA
Halosarcia lepidosperma Paul G. Wilson	DS	...4.	EA
Halosarcia lylei (Ewart & J. White) Paul G. Wilson	DS	...4.	EA
Halosarcia pergranulata (J. Black) Paul G. Wilson subsp. *pergranulata*	DS	...4.	EA
Halosarcia pterygosperma (J. Black) Paul G. Wilson	DS	...4.	EA
Halosarcia syncarpa Paul G. Wilson	DS	...4.	EA

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Halosarcia undulata Paul G. Wilson	DS	. . . 4 .	EA
Maireana brevifolia (R.Br.) Paul G. Wilson	DS	. . 34 .	EA
Maireana enchylaenoides (F. Muell.) Paul G. Wilson	DS	. . . 4 .	EA
Maireana erioclada (Benth.) Paul G. Wilson	SS	 5	EA
Maireana oppositifolia (F. Muell.) Paul G. Wilson	DS	 5	EA
Rhagodia baccata (Labill.) Moq. subsp. *baccata*	MS	 5	EA
Rhagodia crassifolia R.Br.	DS	. . . 45	EA
Rhagodia preissii Moq. subsp. *preissii*	MS	. . . 45	EA
Sarcocornia blackiana (Ulbr.) A.J. Scott	DS	 5	EA
Sarcocornia quinqueflora (Bunge ex Ung.-Sternb.) A.J. Scott	DS	. . . 4 .	EA
Sclerolaena uniflora R.Br.	DS	. . . 4 .	EA
Sclerostegia arbuscula (R.Br.) Paul G. Wilson	DS	. . . 4 .	EA
Sclerostegia moniliformis Paul G. Wilson	SS	. . . 4 .	SW
Suaeda australis (R.Br.) Moq.	DS	. . . 45	EA
Threlkeldia diffusa R.Br.	DS	 5	EA
Amaranthaceae			
Ptilotus drummondii (Moq.) F. Muell. var. *elongatus* Benl	HP	. . 3 . .	PK
Ptilotus humilis (Nees) F. Muell. var. *humilis*	AS	. . . 4 .	SW
Ptilotus spathulatus (R.Br.) Poiret	HP	. . . 4 .	EA
Ptilotus stirlingii (Lindley) F. Muell. var. *laxus* (Benth.) Benl	HP	 5	SW
Ptilotus stirlingii (Lindley) F. Muell. var. *stirlingii*	HP	1	SW
Gyrostemonaceae			
Gyrostemon sheathii W. Fitzg.	HP	. 2 . . 5	SW
Gyrostemon subnudus (Nees) Baillon	HP	. . . 45	SW
Aizoaceae			
Carpobrotus rossii (Haw.) Schwantes	MP	1 . . 4 .	EA
Carpobrotus virescens (Haw.) Schwantes	MP	. . . 45	SW
Disphyma crassifolium (L.) L. Bolus	MP	. . 345	EA
* *Mesembryanthemum aitonis* Jacq.	MP	 5	
Tetragonia implexicoma (Miq.) J.D. Hook.	MP	. . . 45	EA
Molluginaceae			
Macarthuria apetala Harvey	DS	. . 3 . .	SW
Portulacaceae			
Calandrinia calyptrata J.D. Hook.	AS	. . . 4 .	EA
Calandrinia corrigioloides F. Muell. ex Benth.	AS	. . . 4 .	EA
Ranunculaceae			
Clematis microphylla DC.	CL	 5	EA
Clematis pubescens Huegel ex Endl.	CL	. . . 45	SW
Lauraceae			
Cassytha flava Nees	PC	. 2 . . .	SW
Cassytha glabella R.Br.	PC	12345	EA
Cassytha melantha R.Br.	PC	. . 345	EA
Cassytha racemosa Nees	PC	 5	EA
Brassicaceae			
* *Cakile maritima* Scop.	AS	 5	

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Lepidium rotundum (Desv.) DC.	DS	. . . 4 .	EA
Stenopetalum filifolium Benth.	AS	. . . 4 .	WA
Droseraceae			
Drosera barbigera Planchon	RP	. 2 . . .	SW
Drosera bulbosa Hook.	AB	. 2 . . .	SW
Drosera glanduligera Lehm.	AS	. . 34 .	EA
Drosera huegelii Endl.	AB	. 2 . . .	SW
Drosera macrantha Endl.	AB	. 23 . .	SW
Drosera macrophylla Lindley	AB	. 234 .	SW
Drosera menziesii R.Br. subsp. *menziesii*	AB	12345	SW
Drosera neesii Lehm. subsp. *neesii*	AB	. 23 . .	SW
Drosera paleacea DC.	RP	. 2 . . .	SW
Drosera platypoda Turcz.	AB	. 2 . . .	SW
Drosera stolonifera Endl. subsp. *compacta* N. Marchant	RP	. 23 . .	SW
Drosera zonaria Planchon	AB	. 23 . .	SW
Crassulaceae			
Crassula colorata (Nees) Ostenf. var. *colorata*	AS	. . . 4 .	EA
Crassula exserta (Reader) Ostenf.	AS	. 234 .	EA
Crassula pedicellosa (F. Muell.) Ostenf.	AS	. . . 4 .	EA
Pittosporaceae			
Billardiera bicolor (Putterl.) E.M. Bennett	CL	1 . 3 . .	WA
Billardiera coriacea Benth.	CL	. . 3 . .	SW
Billardiera sericea (Turcz.) E.M. Bennett	CL	. 23 . .	SW
Billardiera villosa (Turcz.) E.M. Bennett	DS	1	ER
Cheiranthera filifolia Turcz.	SS	. 2 . . .	WA
Pronaya fraseri (Hook.) E.M. Bennett var. *minor* Benth.	CL	1	ER
Sollya heterophylla Lindley	CL	12345	SW
Rosaceae			
* *Acaena echinata* Nees var. *echinata*	HP	. . . 4 .	
Mimosaceae			
Acacia acanthoclada F. Muell.	SS	. 2 . . .	EA
Acacia acellerata Maiden & Blakely	SS	. . 34 .	ER
Acacia argutifolia Maslin	MP	1	PK
Acacia bidentata Benth.	MP	. 234 .	SW
Acacia biflora R.Br.	SS	 5	ER
Acacia binata Maslin	SS	. 2 . . .	ER
Acacia browniana H.L. Wendl. var. *browniana*	SS	. 234 .	SW
Acacia cedroides Benth.	MS	12 . . .	PK
Acacia chrysocephala Maslin	DS	. 2345	SW
Acacia cochlearis (Labill.) H.L. Wendl.	SS	. 2 . 45	SW
Acacia crassiuscula H.L. Wendl.	TS	12 . . .	SW
Acacia cyclops Cunn. ex Don	TS	. 2345	EA
Acacia delphina Maslin	SS	. . . 45	ER
Acacia dermatophylla Benth.	TS	. . . 4 .	ER
Acacia drummondii Lindley subsp. *candolleana* (Meissner) Maslin	LS	. 23 . .	SW
Acacia empelioclada Maslin	TS	. 2 . . .	ER
Acacia ericifolia Benth.	SS	. 23 . .	SW
Acacia erinacea Benth.	MP	. 2 . . .	EA
Acacia ferocior Maiden	DS	. . 3 . .	ER

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Acacia glaucoptera Benth.	SS	. . 3 4 .	SW
Acacia gonophylla Benth.	SS	. 2 3 4 5	ER
Acacia harveyi Benth.	TS	. 2 . . .	ER
Acacia heteroclita Meissner	MS	. . . 4 5	SW
Acacia ingrata Benth.	DS	. 2 . . .	ER
Acacia ixiophylla Benth.	SS	. . 3 4 .	WA
Acacia laricina Meissner	MP	. 2 . . .	ER
Acacia lasiocalyx C.R.P. Andrews	DT	. . 3 . .	WA
Acacia lasiocarpa Benth. var. *bracteolata* Maslin	DS	. 2 3 4 .	SW
Acacia lasiocarpa Benth. var. *sedifolia* (Meissner) Maslin	DS	. 2 . 4 .	SW
Acacia leptoneura Benth.	LS	. . 3 . .	WA
Acacia littorea Maslin	LS	 5	SW
Acacia maxwellii Maiden & Blakely	MP	. 2 3 4 .	ER
Acacia microbotrya Benth.	DT	. . . 4 .	WA
Acacia moirii E. Pritzel subsp. *dasycarpa* Maslin	DS	1 2 . . 5	ER
Acacia moirii E. Pritzel subsp. *moirii*	DS	. 2 3 . .	ER
Acacia myrtifolia (Smith) Willd.	MS	. 2 3 . .	EA
Acacia nigricans (Labill.) R.Br.	MS	1	ER
Acacia nitidula Benth.	MS	1	ER
Acacia phlebopetala Maslin var. *phlebopetala*	SS	1	ER
Acacia phlebopetala Maslin var. *pubescens* Maslin	SS	1	PK
Acacia pilosa Benth.	DS	. 2 3 4 .	ER
Acacia pulchella R.Br. var. *glaberrima* Meissner	MS	. . 3 4 .	SW
Acacia pycnocephala Maslin	TS	. 2 . . .	SW
Acacia redolens Maslin	TS	. . . 4 .	ER
Acacia rostellifera Benth.	TS	. . . 4 5	SW
Acacia saligna (Labill.) H.L. Wendl.	TS	. . . 4 5	SW
Acacia simulans Maslin	SS	. 2 . . .	PK
Acacia squamata Lindley	DS	. 2 . . .	SW
Acacia subcaerulea Lindley	TS	1 2 3 4 5	ER
Acacia sulcata R.Br. var. *platyphylla* Maiden & Blakely	SS	. . 3 . .	SW
Acacia tetanophylla Maslin	MS	1 2 . . .	ER
Acacia tetragonocarpa Meissner	DS	. 2 . . .	SW
Acacia unifissilis Court	SS	. 2 . . .	SW
Acacia varia Maslin var. *parviflora* (Benth.) Maslin	DS	. 2 3 4 .	SW
Caesalpiniaceae			
Cassia nemophila Cunn. ex Vogel var. *nemophila*	SS	. . . 4 .	EA
Labichea lanceolata Benth. subsp. *brevifolia* (Meissner) J.H. Ross	TS	. 2 3 4 .	SW
Papilionaceae			
Bossiaea dentata (R.Br.) Benth.	SS	1 . 3 . .	ER
Bossiaea preissii Meissner	SS	. 2 3 . 5	ER
Bossiaea rufa R.Br.	DS	. 2 . . 5	SW
Brachysema celsianum Lemaire	SS	. . . 4 .	SW
Brachysema latifolium R.Br.	MP	. 2 3 . .	ER
Burtonia conferta DC.	DS	. 2 3 4 5	SW
Burtonia scabra (Smith) R.Br.	SS	1 2 . . .	SW
Chorizema aciculare (DC.) C. Gardner	DS	. 2 3 . .	SW
Chorizema cytisoides Turcz.	DS	. 2 3 4 .	ER
Chorizema glycinifolium (Smith) Druce	DS	. 2 . . .	SW
Chorizema nervosum T. Moore	SS	. 2 3 4 .	ER
Chorizema trigonum Turcz.	DS	1 2 . . .	ER
Chorizema uncinatum C.R.P. Andrews	DS	. 2 . . .	ER

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Daviesia alternifolia Endl.	DS	1....	SW
Daviesia anceps Turcz.	DS	.23..	SW
Daviesia benthamii Meissner subsp. *benthamii*	MS	.234.	EA
Daviesia decurrens Meissner	DS	.2...	SW
Daviesia flexuosa Benth.	SS	.2...	SW
Daviesia incrassata Smith subsp. *incrassata*	SS	.23..	EA
Daviesia lancifolia Turcz.	DS	.234.	SW
Daviesia mollis Turcz.	SS	.234.	SW
Daviesia obtusifolia F. Muell.	MS	.2...	ER
Daviesia pachyphylla F. Muell.	SS	.23..	SW
Daviesia reversifolia F. Muell.	DS	123..	SW
Daviesia striata Turcz.	MS	123..	SW
Daviesia teretifolia R.Br. ex Benth.	DS	.2...	SW
Dillwynia pungens (Sweet) Mackay	SS	1....	ER
Eutaxia cuneata Meissner	SS	1234.	ER
Eutaxia densifolia Turcz.	DS	...4.	SW
Eutaxia obovata (Labill.) C. Gardner	SS	1...5	SW
Gastrolobium bilobum R.Br.	MS	.2...	SW
Gastrolobium crassifolium Benth.	SS	.2...	SW
Gastrolobium hookeri Meissner	DS	.2...	SW
Gastrolobium pycnostachyum Benth.	SS	1....	ER
Gastrolobium reticulatum (Meissner) Benth.	SS	.2.4.	ER
Gastrolobium spinosum Benth. var. *spinosum*	MS	.2..5	SW
Gastrolobium stenophyllum Turcz.	DS	...4.	ER
Glycine clandestina Willd. var. *clandestina*	CL	..34.	EA
Gompholobium baxteri Benth.	DS	.2...	ER
Gompholobium knightianum Lindley	DS	.2...	SW
Gompholobium marginatum R.Br.	DS	...45	SW
Gompholobium polymorphum R.Br.	DS	12..5	SW
Gompholobium venustum R.Br.	DS	12...	SW
Gompholobium viscidulum Meissner	DS	.23..	SW
Goodia lotifolia Salisb. var. *lotifolia*	DS	..3..	EA
Hovea acanthoclada (Turcz.) F. Muell.	MS	..3..	WA
Hovea pungens Benth.	DS	12...	SW
Hovea trisperma Benth.	DS	.234.	SW
Indigofera australis Willd. var. *australis*	SS	..3..	EA
Jacksonia capitata Benth.	DS	.23..	SW
Jacksonia compressa Turcz.	MS	1....	PK
Jacksonia furcellata (Bonpl.) DC.	TS	...45	SW
Jacksonia grevilleoides Turcz.	SS	.2...	ER
Jacksonia racemosa Meissner	DS	.234.	SW
Jacksonia sericea Benth.	SS	.2..5	SW
Jacksonia spinosa (Labill.) R.Br.	MS	5	SW
Kennedia coccinea Vent.	CL	.2...	SW
Kennedia eximia Lindley	MP	..34.	ER
Kennedia nigricans Lindley	CL	12.45	ER
Kennedia prostrata R.Br.	MP	..34.	EA
Latrobea hirtella (Turcz.) Benth.	SS	.2...	SW
Latrobea tenella (Meissner) Benth. var. *grandiflora* Benth.	SS	.2...	SW
Mirbelia ovata Meissner	DS	.2...	ER
Mirbelia trichocalyx Domin	DS	..3..	SW
Oxylobium carinatum (Meissner) Benth.	DS	.2...	ER
Oxylobium coriaceum (Smith) C. Gardner	SS	.2...	ER
Oxylobium microphyllum Benth.	SS	.2...	ER

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Oxylobium parviflorum Benth. var. *parviflorum*	MS	. 2 3 4 .	SW
Oxylobium racemosum (Turcz.) C. Gardner	LS	. . 3 4 .	ER
Oxylobium tetragonophyllum E. Pritzel	SS	. . . 4 .	ER
Pultenaea aduncа Turcz.	SS	. 2 . 4 .	ER
Pultenaea calycina (Turcz.) Benth.	SS	. 2 . . .	ER
Pultenaea conferta Benth.	MP	. . 3 . .	ER
Pultenaea neurocalyx Turcz. var. *major* Benth.	SS	. 2 . . .	ER
Pultenaea neurocalyx Turcz. var. *neurocalyx*	SS	. 2 . . .	ER
Pultenaea obcordata (R.Br.) Benth.	SS	 5	SW
Pultenaea rotundifolia (Turcz.) Benth.	DS	. . 3 . .	ER
Pultenaea spinulosa (Turcz.) Benth.	DS	. . 3 . .	ER
Pultenaea verruculosa Turcz. var. *brachyphylla* Benth.	DS	. 2 3 4 .	ER
Pultenaea verruculosa Turcz. var. *pilosa* Benth.	DS	. 2 3 4 .	ER
Sphaerolobium daviesioides Turcz.	DS	. 2 . 4 .	SW
Sphaerolobium linophyllum (Huegel) Benth.	DS	. 2 . . .	SW
Sphaerolobium macranthum Meissner	SS	. 2 . . 5	SW
Sphaerolobium nudiflorum (Meissner) Benth.	DS	1	SW
Sphaerolobium racemulosum Benth.	SS	. 2 . . .	SW
Sphaerolobium scabriusculum Meissner	DS	. 2 . . .	SW
Sphaerolobium vimineum Smith	DS	. 2 . . .	EA
Templetonia neglecta J.H. Ross	SS	. 2 . . .	ER
Templetonia retusa (Vent.) R.Br.	DS	. 2 3 4 5	EA
Templetonia sulcata (Meissner) Benth.	MS	. 2 3 . .	EA
Viminaria juncea (Schrader & Wendl.) Hoffsgg.	TS	. . . 4 .	EA
Geraniaceae			
* *Erodium cicutarium* (L.) L'Her.	AS	. . . 4 .	
Erodium crinitum Carolin	AS	. . . 4 .	EA
Pelargonium australe Willd.	HP	. . . 4 .	EA
* *Pelargonium capitatum* (L.) L'Her.	HP	 5	
Pelargonium littorale Huegel	AS	 5	EA
Oxalidaceae			
Oxalis corniculata L.	AS	. . . 4 .	EA
Linaceae			
Linum marginale Cunn. ex Planchon	AS	. . . 4 .	EA
Zygophyllaceae			
Nitraria billardierei DC.	MS	 5	EA
Zygophyllum billardierei DC.	DS	 5	EA
Zygophyllum glaucum F. Muell.	DS	. . . 4 .	EA
Rutaceae			
Boronia albiflora R.Br. ex Benth.	DS	1 2 . . .	ER
Boronia clavata Paul G. Wilson	LS	. . . 4 .	SW
Boronia coerulescens F. Muell. subsp. *coerulescens*	DS	. 2 . . .	EA
Boronia crassifolia Bartling	DS	1 2 . 4 .	SW
Boronia crenulata Smith var. *crenulata*	DS	 5	SW
Boronia crenulata Smith var. *gracilis* (Benth.) Paul G. Wilson	DS	. 2 3 . 5	SW
Boronia denticulata Smith	SS	. . . 4 .	SW
Boronia inconspicua Benth.	DS	. 2 3 4 .	ER
Boronia inornata Turcz.	DS	. 2 3 4 .	EA
Boronia octandra Paul G. Wilson	DS	. . . 4 .	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Boronia oxyantha Turcz. var. *brevicalyx* (Benth.) Paul G. Wilson	DS	. . 3. .	ER
Boronia oxyantha Turcz. var. *oxyantha*	DS	. . 3. .	PK
Boronia penicillata Benth.	DS	. 2. . .	SW
Boronia ramosa (Lindley) Benth.	DS	 5	SW
Boronia scabra Lindley	DS	. . . 4.	SW
Boronia spathulata Lindley	DS	. 2. . .	SW
Boronia subsessilis Benth.	DS	12. . .	SW
Boronia ternata Endl. var. *foliosa* (S. Moore) Paul G. Wilson	SS	. . 3. .	ER
Boronia ternata Endl. var. *glabrifolia* F. Muell.	SS	. . 3. .	ER
Boronia tetrandra Labill.	SS	1. . . 5	ER
Diplolaena microcephala Bartling var. *microcephala*	SS	. . . 4.	SW
Eriostemon cymbiformis Paul G. Wilson	DS	. 2. . .	PK
Eriostemon gardneri Paul G. Wilson	SS	. . 3. .	SW
Eriostemon nodiflorus Lindley var. *lasiocalyx* (Domin) Paul G. Wilson	DS	. 2. . .	SW
Microcybe albiflora Turcz.	DS	. . 3. .	WA
Microcybe multiflora Turcz. var. *multiflora*	SS	. . 3. .	EA
Microcybe pauciflora Turcz.	DS	. 2. . .	EA
Nematolepis phebalioides Turcz.	LS	. . 34.	ER
Phebalium filifolium Turcz.	SS	. . 3. .	WA
Phebalium lepidotum (Turcz.) Paul G. Wilson var. *lepidotum*	DS	. . 3. .	SW
Phebalium lepidotum (Turcz.) Paul G. Wilson var. *obovatum* Paul G. Wilson	SS	. 2. . .	ER
Phebalium microphyllum Turcz.	DS	. . 3. .	SW
Phebalium rude Bartling subsp. *amblycarpum* (F. Muell.) Paul G. Wilson	SS	. . 3. .	ER
Phebalium rude Bartling subsp. *rude*	SS	 5	SW
Phebalium tuberculosum (F. Muell.) Benth. susp. *tuberculosum*	SS	. . 3. .	WA
Rhadinothamnus euphemiae (F. Muell.) Paul G. Wilson	DS	1. . . .	ER
Tremandraceae			
Platytheca galioides Steetz	SS	. 2. . .	ER
Platytheca juniperina Domin	SS	1. . . .	ER
Polygalaceae			
Comesperma calymega Labill.	DS	. 2. . .	EA
Comesperma confertum Labill.	SS	 5	SW
Comesperma drummondii Steetz	DS	. 23. .	SW
Comesperma flavum DC.	SS	1. . . .	SW
Comesperma lanceolatum (R.Br.) Benth.	DS	. 2. . .	ER
Comesperma spinosum F. Muell.	DS	1. 34.	WA
Comesperma virgatum Labill.	SS	. 2. . .	SW
Comesperma volubile Labill.	CL	. 2. . .	EA
Euphorbiaceae			
Adriana quadripartita (Labill.) Gaudich.	MS	. . . 45	EA
Amperea conferta Benth.	DS	1. . . .	ER
Amperea ericoides Adr. Juss.	DS	1. . . .	SW
Beyeria brevifolia (Muell. Arg.) Benth.	MS	. . 3. .	WA
Beyeria latifolia (Muell. Arg.) Baillon	MS	1. . . 5	SW
Beyeria lechenaultii (DC.) Baillon	MS	. . 34.	EA
Calycopeplus marginatus Benth.	MS	123. .	PK
Euphorbia drummondii Boiss.	AS	. . . 4.	EA
* *Euphorbia paralias* L.	AS	 5	
Monotaxis occidentalis Endl.	DS	12. . .	SW
Phyllanthus calycinus Labill.	DS	. . . 45	EA

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Phyllanthus scaber Klotzsch	SS	. . 3. .	ER
Poranthera ericoides Klotzsch	DS	. 2. . .	EA
Poranthera huegelii Klotzsch	DS	1. . 4.	SW
Poranthera microphylla Brongn.	AS	1. . 4.	EA
Pseudanthus virgatus (Klotzsch) Muell. Arg.	DS	12. . .	SW
Ricinocarpos trichophorus Muell. Arg.	TS	. 23. .	SW
Stachystemon polyandrus (F. Muell.) Benth.	DS	12. . .	ER
Stackhousiaceae			
Stackhousia monogyna Labill.	DS	. 2345	EA
Stackhousia muricata Lindley	DS	. 2. . .	EA
Stackhousia scoparia Benth.	DS	. 2. . .	WA
Tripterococcus brunonis Endl.	DS	. 2. . 5	SW
Sapindaceae			
Dodonaea amblyophylla Diels	LS	. . 34.	WA
Dodonaea bursariifolia F. Muell.	DS	. . 3. .	EA
Dodonaea ceratocarpa Endl.	SS	. 23. 5	SW
Dodonaea concinna Benth.	SS	. . 3. .	ER
Dodonaea pinifolia Miq.	DS	. . 34.	SW
Dodonaea ptarmicaefolia Turcz.	TS	. . 34.	ER
Dodonaea trifida F. Muell.	SS	. 23. .	ER
Dodonaea viscosa Jacq. subsp. *spatulata* (Smith) J.G. West	MS	. . . 4.	EA
Rhamnaceae			
Cryptandra glabriflora Benth.	DS	. 2. 4.	SW
Cryptandra pungens Steudel	SS	. 2. . 5	WA
Cryptandra nutans Steudel	DS	. . 3. .	SW
Pomaderris myrtilloides Fenzl	MS	1. . . .	ER
Pomaderris oraria F. Muell. ex Reissek	DS	. . 3. .	ER
Siegfriedia darwinioides C. Gardner	SS	1. . . .	ER
Spyridium cordatum (Turcz.) Benth.	DS	. 2. . .	ER
Spyridium denticuliferum Diels	SS	. 23. .	SW
Spyridium globulosum (Labill.) Benth.	LS	 5	SW
Spyridium oligocephalum (Turcz.) Benth.	SS	. 234.	SW
Malvaceae			
Alyogyne hakeifolia (Giord.) Alef.	HP	. . 34.	EA
Alyogyne huegelii (Endl.) Fryx.	LS	. . 34.	EA
Lawrencia diffusa (Benth.) Melville	MP	. 2. . .	WA
Lawrencia glomerata Hook.	DS	. . . 4.	EA
Lawrencia spicata Hook.	AS	. . 3. .	EA
Sida calyxhymenia Gay ex DC.	AS	. . . 4.	EA
Sterculiaceae			
Commersonia crispa Turcz.	DS	. . 3. .	SW
Guichenotia ledifolia Gay	SS	 5	SW
Lasiopetalum compactum S. Paust	DS	. . 3. .	ER
Lasiopetalum discolor Hook.	SS	 5	EA
Lasiopetalum indutum Steudel	SS	. 2345	ER
Lasiopetalum monticolum S. Paust	DS	1. . . .	ER
Lasiopetalum parviliflorum F. Muell.	SS	. . 34.	ER
Lasiopetalum quinquenervium Turcz.	SS	1. . 4.	ER
Lasiopetalum rosmarinifolium (Turcz.) Benth. var. *latifolium* Benth.	SS	. . 3. .	ER

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Lasiopetalum rosmarinifolium (Turcz.) Benth. var. *rosmarinifolium*	SS	. 2 3 4 .	ER
Lysiosepalum involucratum (Turcz.) C. Gardner	SS	. . 3 4 5	SW
Rulingia grandiflora Endl.	SS	1	SW
Rulingia parviflora Endl.	DS	. . 3 . .	SW
Rulingia platycalyx Benth.	DS	. . 3 . .	ER
Thomasia angustifolia Steudel	DS	. . 3 4 .	SW
Thomasia foliosa Gay	DS	. . 3 4 .	SW
Thomasia microphylla S. Paust	DS	. . 3 . .	ER
Thomasia petalocalyx F. Muell.	SS	. . . 4 .	EA
Thomasia pygmaea (Turcz.) Benth.	DS	1 2 . . .	ER
Thomasia sarotes Turcz.	DS	. . 3 4 .	SW
Thomasia stelligera (Turcz.) Benth.	DS	. . . 4 .	ER
Dilleniaceae			
Hibbertia acerosa (R.Br. ex DC.) Benth.	MP	. 2 . . .	SW
Hibbertia cuneiformis (Labill.) Smith	LS	 5	SW
Hibbertia desmophylla (Benth.) F. Muell.	DS	1	SW
Hibbertia gracilipes Benth.	DS	1	SW
Hibbertia lineata Steudel	SS	. 2 . . .	SW
Hibbertia mucronata (Turcz.) Benth.	SS	1 2 3 . .	SW
Hibbertia pungens Benth.	SS	. 2 . . .	SW
Hibbertia racemosa (Endl.) Gilg	DS	. 2 . . .	SW
Hibbertia recurvifolia (Steudel) Benth.	DS	. 2 . . .	SW
Hibbertia rupicola (S. Moore) C. Gardner	DS	1 . . 4 .	SW
Hibbertia verrucosa (Turcz.) Benth.	DS	1 2 . . .	SW
Clusiaceae			
Hypericum gramineum G. Forster	AS	. . . 4 .	EA
Frankeniaceae			
Frankenia tetrapetala Labill.	MP	. . . 4 5	SW
Violaceae			
Hybanthus epacroides (C. Gardner) Melch.	DS	. . . 4 .	WA
Hybanthus floribundus (Lindley) F. Muell. subsp. *floribundus*	SS	. . 3 . .	EA
Thymelaeaceae			
Pimelea angustifolia R.Br.	DS	. 2 3 4 .	SW
Pimelea argentea R.Br.	SS	. . . 4 .	SW
Pimelea brachyphylla Benth.	DS	. 2 . . .	SW
Pimelea brevifolia R.Br.	DS	. 2 . 4 5	SW
Pimelea ferruginea Labill.	DS	 5	SW
Pimelea imbricata R.Br. var. *pilliger* Benth.	DS	. 2 3 . .	SW
Pimelea lehmanniana Meissner	DS	1 2 . . .	SW
Pimelea longiflora R.Br.	DS	1 2 . . .	SW
Pimelea physodes Hook.	SS	1 2 . . .	ER
Pimelea spectabilis Lindley	DS	1	SW
Pimelea suaveolens Meissner	SS	1 2 3 . .	SW
Pimelea sulphurea Meissner	DS	. 2 . . .	SW
Pimelea sylvestris R.Br.	SS	. . . 4 5	SW
Myrtaceae			
Actinodium cunninghamii Schauer	DS	. 2 . 4 .	SW
Agonis flexuosa (Sprengel) Schauer	ST	 5	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Agonis linearifolia (DC.) Schauer	TS	12...	SW
Agonis obtusissima F. Muell.	MS	12..5	ER
Agonis spathulata Schauer	SS	123.5	ER
Agonis undulata Benth.	LS	1....	PK
Astartea ambigua F. Muell.	MS	.2345	SW
Astartea fascicularis (Labill.) DC.	SS	.2345	SW
Baeckea corynophylla F. Muell.	SS	1.34.	SW
Baeckea crispiflora F. Muell.	SS	..3..	WA
Baeckea leptophylla (Turcz.) Domin	DS	.2...	SW
Baeckea ovalifolia (F. Muell.) F. Muell.	DS	1....	PK
Baeckea preissiana (Schauer) Domin	DS	.23..	WA
Baeckea tetragona F. Muell. ex Benth.	DS	..3..	SW
Beaufortia anisandra Schauer	SS	1....	ER
Beaufortia empetrifolia (H.G. Reichb.) Schauer	SS	.2...	SW
Beaufortia micrantha Schauer var. *micrantha*	DS	12.4.	WA
Beaufortia orbifolia F. Muell.	LS	1....	SW
Beaufortia schaueri Preiss ex Schauer	SS	123..	ER
Callistemon phoeniceus Lindley	TS	..34.	WA
Calothamnus gibbosus Benth.	SS	.23..	ER
Calothamnus gracilis R.Br.	SS	.23.5	SW
Calothamnus macrocarpus T.J. Hawkeswood	MS	1....	PK
Calothamnus pinifolius F. Muell.	SS	12..5	ER
Calothamnus quadrifidus R.Br.	LS	12345	WA
Calothamnus sanguineus Labill.	SS	.2...	SW
Calothamnus validus S. Moore	MS	1....	PK
Calothamnus villosus R.Br.	MS	.2.45	SW
Calytrix asperula (Schauer) Benth.	DS	.2...	ER
Calytrix breviseta Lindley	DS	.2...	SW
Calytrix decandra DC.	DS	.2...	ER
Calytrix leschenaultii (Schauer) Benth.	DS	123..	SW
Calytrix simplex Lindley	DS	1....	ER
Chamelaucium brevifolium Benth.	SS	.2...	WA
Chamelaucium ciliatum Desf.	SS	12..5	SW
Chamelaucium megalopetalum F. Muell. ex Benth.	SS	.2...	SW
Conothamnus aureus (Turcz.) Domin	DS	12...	ER
Darwinia diosmoides (DC.) Benth.	SS	.2345	WA
Darwinia vestita (Endl.) Benth.	DS	123.5	SW
Eremaea pauciflora (Endl.) Druce	LS	.2...	WA
Eucalyptus acies Brooker	MA	1....	ER
Eucalyptus albida Maiden & Blakely	MA	.2...	SW
Eucalyptus anceps (R.Br. ex Maiden) Blakely	MA	..3.5	EA
Eucalyptus angulosa Schauer	MA	..3.5	EA
Eucalyptus annulata Benth.	MA,ST	..34.	ER
Eucalyptus astringens (Maiden) Maiden	ST	..3..	SW
Eucalyptus buprestium F. Muell.	MA	.2...	ER
Eucalyptus burdettiana Blakely & H. Steedman	ST	1....	ER
Eucalyptus calycogona Turcz.	MA	..3..	EA
Eucalyptus celastroides Turcz. var. *virella* Brooker	MA	..34.	SW
Eucalyptus conferruminata D.J. Carr & S.G.M. Carr	ST	1..4.	ER
Eucalyptus conglobata (R.Br. ex Benth.) Maiden	MA	1.34.	EA
Eucalyptus cornuta Labill.	MT	...45	SW
Eucalyptus coronata C. Gardner	MA	1....	PK
Eucalyptus decipiens Endl.	MA	.2.45	SW
Eucalyptus decurva F. Muell.	MA	1....	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Eucalyptus eremophila (Diels) Maiden	MA	. . 3 4 .	WA
Eucalyptus falcata Turcz.	MA	1 2 3 4 5	SW
Eucalyptus flocktoniae (Maiden) Maiden	MA	. . . 4 .	EA
Eucalyptus foecunda Schauer	MA	. . 3 4 .	EA
Eucalyptus gardneri Maiden	MA,ST	1 2 3 4 .	SW
Eucalyptus gracilis F. Muell.	ST	. . . 4 .	EA
Eucalyptus incrassata Labill.	MA	. 2 3 4 .	EA
Eucalyptus lehmannii (Schauer) Benth.	MA,ST	1 . 3 . .	ER
Eucalyptus leptocalyx Blakely	MA	1 2 3 4 .	ER
Eucalyptus macrandra F. Muell. ex Benth.	MA	. . . 4 .	ER
Eucalyptus megacornuta C. Gardner	MA	. . 3 . .	ER
Eucalyptus micranthera F. Muell. ex Benth.	MA	. 2 . . .	ER
Eucalyptus newbeyi D.J. Carr & S.G.M. Carr	ST	. . 3 . .	ER
Eucalyptus nutans F. Muell.	DT	1 2 3 4 .	ER
Eucalyptus occidentalis Endl.	MT	. . 3 4 5	ER
Eucalyptus oleosa F. Muell. ex Miq. var. *oleosa*	MT,MA	. . 3 4 .	EA
Eucalyptus pachyloma Benth.	MA	. 2 . . .	SW
Eucalyptus pileata Blakely	MA	. 2 . . .	WA
Eucalyptus platypus Hook. var. *heterophylla* Blakely	DT	 5	ER
Eucalyptus platypus Hook. var. *platypus*	DT	. 2 3 4 .	ER
Eucalyptus preissiana Schauer	MA	1 2 . . .	ER
Eucalyptus redunca Schauer	MA	1 2 3 . .	SW
Eucalyptus rudis Endl.	MT	. . . 4 .	SW
Eucalyptus sepulcralis F. Muell.	MA	1	PK
Eucalyptus spathulata Hook. subsp. *grandiflora* (Benth.) L. Johnson & Blaxell	MA	. . 3 . .	ER
Eucalyptus tetragona (R.Br.) F. Muell.	MA	1 2 3 . 5	SW
Eucalyptus tetraptera Turcz.	MA	1 2 3 . .	ER
Eucalyptus transcontinentalis Maiden	MA	. 2 . . .	WA
Eucalyptus uncinata Turcz.	MA	. 2 3 4 5	WA
Eucalyptus xanthonema Turcz.	MA	. . 3 . .	ER
Hypocalymma strictum Schauer var. *pendunculatum* Benth.	SS	1 2 . . .	SW
Kunzea affinis S. Moore	LS	. 2 3 . .	ER
Kunzea ericifolia (Smith) Heynh.	LS	1	SW
Kunzea eriocalyx F. Muell.	SS	. 2 3 . .	ER
Kunzea jucunda Diels	LS	1 2 . . .	SW
Kunzea micrantha Schauer	DS	. 2 3 . .	SW
Kunzea micromera Schauer	MS	. . 3 . .	SW
Kunzea preissiana Schauer	MS	. 2 3 . .	SW
Kunzea recurva Schauer	LS	. 2 . 4 .	SW
Leptospermum erubescens Schauer	TS	. 2 3 4 .	WA
Leptospermum oligandrum Turcz.	MS	1 2 3 . 5	ER
Leptospermum spinescens Endl.	SS	1 2 3 . 5	SW
Lhotskya ericoides Schauer	SS	 5	SW
Melaleuca acuminata F. Muell.	TS	. . 3 4 5	EA
Melaleuca adnata Turcz.	MS	. 2 . . .	EA
Melaleuca apodocephala Turcz.	DS	. . . 4 .	ER
Melaleuca bracteosa Turcz.	SS	. 2 3 . .	ER
Melaleuca brevifolia Turcz.	MS	. . 3 4 .	WA
Melaleuca calycina R.Br.	SS	. 2 3 4 .	ER
Melaleuca cardiophylla F. Muell.	SS	. 2 . . .	ER
Melaleuca citrina Turcz.	LS	1 2 . . .	PK
Melaleuca coccinea A.S. George	TS	1	WA
Melaleuca cucullata Turcz.	TS	. . 3 4 .	ER

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Melaleuca cuneata Turcz.	SS	. 2 . . .	SW
Melaleuca cuticularis Labill.	DT	. . . 4 5	SW
Melaleuca densa R.Br.	MS	. 2 . . .	SW
Melaleuca depauperata Turcz.	MS	. 2 . . .	SW
Melaleuca elliptica Labill.	TS	. . 3 . .	SW
Melaleuca glaberrima F. Muell.	DS	. . . 4 .	SW
Melaleuca hamulosa Turcz.	TS	. . . 4 .	WA
Melaleuca lanceolata Otto	TS	 5	EA
Melaleuca lateralis Turcz.	SS	. 2 . . .	SW
Melaleuca lateriflora Benth.	MS	. . 3 4 .	WA
Melaleuca laxiflora Turcz.	DT	. . 3 4 .	SW
Melaleuca nesophila F. Muell.	TS	 5	ER
Melaleuca pauperiflora F. Muell.	TS	. . 3 4 .	EA
Melaleuca pentagona Labill. var. *pentagona*	DS	. 2 3 4 5	SW
Melaleuca polygaloides Schauer	TS	 5	SW
Melaleuca pulchella R.Br.	SS	. . . 4 .	ER
Melaleuca pungens Schauer	SS	. 2 . . .	SW
Melaleuca scabra R.Br.	DS	1 2 3 . 5	SW
Melaleuca sclerophylla Diels	DS	1 2 3 4 .	SW
Melaleuca sparsiflora Turcz.	SS	. 2 . . .	WA
Melaleuca spathulata Schauer	SS	. 2 3 4 5	ER
Melaleuca striata Labill.	MS	1 2 . . .	ER
Melaleuca suberosa (Schauer) C. Gardner	DS	. 2 3 4 5	ER
Melaleuca subfalcata Turcz.	MS	. 2 3 4 5	ER
Melaleuca thymoides Labill.	MS	. 2 . . 5	ER
Melaleuca thyoides Turcz.	TS	. 2 . . 5	SW
Melaleuca uncinata R.Br.	LS	. 2 3 4 .	EA
Melaleuca undulata Benth.	LS	. 2 3 . .	SW
Melaleuca violacea Schauer	DS	. 2 3 . .	ER
Micromyrtus elobata (F. Muell.) Benth.	SS	. 2 . . .	ER
Pericalymma ellipticum (Endl.) Schauer	SS	. . . 4 .	SW
Phymatocarpus maxwellii F. Muell.	MS	. 2 3 4 5	ER
Regelia velutina (Turcz.) C. Gardner	TS	1	PK
Rinzia oxycoccoides Turcz.	MP	1	PK
Rinzia fumana Schauer	DS	. 2 3 . .	SW
Thryptomene australis Endl.	TS	. . 3 . .	WA
Verticordia acerosa Lindley	SS	. 2 . . .	SW
Verticordia brachypoda Turcz.	SS	. 2 . . .	SW
Verticordia densiflora Lindley	SS	. 2 3 4 .	SW
Verticordia endlicheriana Schauer	DS	. 2 3 . .	SW
Verticordia fastigiata Turcz.	DS	. . 3 . .	ER
Verticordia grandiflora Endl.	DS	. 2 . . .	SW
Verticordia habrantha Schauer	DS	. 2 3 4 5	SW
Verticordia harveyi Benth.	SS	. 2 . 4 .	ER
Verticordia helichrysantha F. Muell. ex Benth.	DS	1 2 . . .	ER
Verticordia humilis Benth.	DS	. 2 3 . .	ER
Verticordia insignis Endl.	DS	. . 3 . .	SW
Verticordia oxylepis Turcz.	DS	1 2 3 . .	ER
Verticordia pholidophylla F. Muell.	DS	1	SW
Verticordia plumosa (Desf.) Druce	SS	. 2 3 4 .	SW
Haloragaceae			
Glischrocaryon aureum (Lindley) Orch. var. *angustifolium* (Nees) Orch.	DS	. 2 3 4 .	EA
Gonocarpus nodulosus Nees	AS	. . . 4 .	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Gonocarpus paniculatus (R.Br. ex Benth.) Orch.	AS	. . . 4 .	SW
Gonocarpus trichostachyus (Benth.) Orch.	DS	. 2 . . .	SW
Apiaceae			
Apium annuum P.S. Short	AS	. . . 4 .	EA
Apium prostratum Labill. ex Vent. var. *filiforme* (A. Rich.) Kirk	AS	. . . 4 5	EA
Apium prostratum Labill. ex Vent. var. *prostratum*	AS	. . . 4 5	EA
Daucus glochidiatus (Labill.) Fischer, C. Meyer & Ave-Lall.	AS	. . . 4 .	EA
Hydrocotyle callicarpa Bunge	AS	. . . 4 .	EA
Hydrocotyle medicaginoides Turcz.	AS	. 2 . 4 5	EA
Hydrocotyle pilifera Turcz. var. *pilifera*	AS	. . . 4 .	EA
Hydrocotyle rugulosa Turcz.	AS	. . . 4 .	EA
Platysace compressa (Labill.) Norman	DS	. 2 . . 5	SW
Platysace deflexa (Turcz.) Norman	DS	. 2 3 4 .	SW
Platysace effusa (Turcz.) Norman	DS	. 2 . . .	ER
Trachymene cyanopetala (F. Muell.) Benth.	AS	. . . 4 .	EA
Trachymene ornata (Endl.) Druce var. *ornata*	AS	. . . 4 .	EA
Trachymene pilosa Smith	AS	. . . 4 5	EA
Xanthosia hederifolia Benth.	DS	1	ER
Xanthosia huegelii (Benth.) Steudel	DS	. 2 . . .	SW
Xanthosia peduncularis Benth.	DS	. 2 . . .	ER
Epacridaceae			
Acrotriche cordata (Labill.) R.Br.	DS	1 2 3 4 5	EA
Acrotriche plurilocularis B.R. Jackes	SS	. . 3 . .	SW
Acrotriche ramiflora R.Br.	DS	1 2 3 4 5	ER
Andersonia caerulea R.Br.	DS	1 2 3 4 5	SW
Andersonia echinocephala (Stschegl.) Druce	SS	1	ER
Andersonia micrantha R.Br.	DS	. 2 3 . .	ER
Andersonia parvifolia R.Br.	DS	1 2 3 4 .	ER
Andersonia sprengelioides R.Br.	DS	 5	SW
Astroloma baxteri DC.	DS	1 2 . . .	SW
Astroloma compactum R.Br.	MP	. . 3 4 5	SW
Astroloma drummondii Sonder	DS	1 2 . . 5	SW
Astroloma epacridis (DC.) Druce	DS	. 2 3 4 .	SW
Astroloma microphyllum Stschegl.	DS	. . 3 . .	SW
Astroloma serratifolium (DC.) Druce	DS	. 2 . . .	SW
Astroloma tectum R.Br.	DS	. 2 3 . .	ER
Brachyloma concolor (F. Muell.) C. Gardner	SS	. 2 3 . .	SW
Coleanthera myrtoides Stschegl.	SS	. 2 3 . .	SW
Conostephium drummondii (Stschegl.) C. Gardner	SS	. . 3 . .	SW
Leucopogon assimilis R.Br.	SS	1	SW
Leucopogon bossiaea F. Muell.	DS	. 2 . . .	ER
Leucopogon concinnus Benth.	DS	. 2 . . .	SW
Leucopogon conostephioides DC.	DS	. 2 . . .	SW
Leucopogon corynocarpus Sonder	SS	. 2 . . .	ER
Leucopogon crassifolius Sonder	SS	. 2 . . .	SW
Leucopogon cuneifolius Stschegl.	SS	. 2 . . .	SW
Leucopogon cymbiformis Cunn. ex DC.	DS	. 2 . . .	SW
Leucopogon durus Benth.	SS	. . 3 . .	ER
Leucopogon elatior Sonder	SS	. 2 . . .	ER
Leucopogon fimbriatus Stschegl.	DS	. 2 3 . .	SW
Leucopogon flavescens Sonder var. *brevifolius* Benth.	SS	1 2 . . .	ER
Leucopogon gibbosus Stschegl.	DS	. 2 3 4 5	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Leucopogon insularis Cunn. ex DC.	DS	. . 3. .	SW
Leucopogon minutifolius W. Fitzg.	DS	. 2. . 5	ER
Leucopogon multiflorus R.Br. var. *ulicinus* Benth.	DS	1. . . .	PK
Leucopogon obovatus (Labill.) R.Br.	LS	1. . 4 5	ER
Leucopogon obtusatus Sonder	DS	. . 3. .	SW
Leucopogon opponens F. Muell.	MS	. 2. . .	ER
Leucopogon oxycedrus Sonder	DS	. 2. . .	SW
Leucopogon parviflorus (Andrews) Lindley	DS	 5	EA
Leucopogon polymorphus Sonder	DS	. 23. .	SW
Leucopogon propinquus R.Br.	SS	. . . 4 5	SW
Leucopogon rubicundus F. Muell. ex Benth.	SS	. . 3. .	WA
Leucopogon tamminensis E. Pritzel var. *australis* E. Pritzel	DS	. 2. . .	SW
Leucopogon tamminensis E. Pritzel var. *tamminensis*	DS	. 2. . .	SW
Leucopogon tetragonus Sonder	SS	. 2. . .	ER
Leucopogon unilateralis Stschegl.	SS	1. . . .	ER
Leucopogon woodsii F. Muell.	DS	1. . . .	EA
Lysinema ciliatum R.Br.	SS	. 2. 4 5	SW
Monotoca tamariscina F. Muell.	DS	12. . .	SW
Needhamiella pumilio (R.Br.) L. Watson	DS	. 2. . .	SW
Oligarrhena micrantha R.Br.	DS	. 2. . .	SW
Sphenotoma capitatum (R.Br.) Lindley	DS	1. . . .	ER
Sphenotoma dracophylloides Sonder	SS	1. . . .	ER
Sphenotoma squarrosum (R.Br.) Don	SS	1. . . .	SW
Styphelia intertexta A.S. George	SS	. 234.	WA
Styphelia melaleucoides F. Muell. var. *ovata* F. Muell.	SS	. . 3. .	ER
Styphelia pulchella (Stschegl.) Druce	SS	. 2. . .	SW
Styphelia tenuiflora Lindley	SS	. 2. . .	SW
Primulaceae			
* *Anagallis arvensis* L.	AS	. . 34.	
Samolus junceus R.Br.	DS	. . . 4 5	SW
Samolus repens (Forster & G. Forster) Pers.	DS	. . . 4 5	EA
Loganiaceae			
Logania buxifolia F. Muell.	SS	. . 3. .	ER
Logania callosa F. Muell.	DS	1. . . .	ER
Logania campanulata R.Br.	DS	. 2. . .	SW
Logania fasciculata R.Br.	SS	 5	ER
Logania micrantha Benth.	DS	. 2. . .	SW
Logania serpyllifolia R.Br.	DS	12. . .	SW
Logania vaginalis (Labill.) F. Muell.	LS	 5	EA
Mitrasacme paradoxa R.Br.	AS	. . . 4.	EA
Gentianaceae			
Sebaea ovata (Labill.) R.Br.	AS	. . . 4.	EA
Menyanthaceae			
Villarsia parnassifolia (Labill.) R.Br.	RP	. . . 4.	SW
Apocynaceae			
Alyxia buxifolia R.Br.	LS	. . 3. 5	EA
Convolvulaceae			
Convolvulus erubescens Sims	CL	. 2. . .	EA

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Dichondra repens Forster & G. Forster	MP	. . . 4 .	EA
Wilsonia backhousei J.D. Hook.	MP	. . . 4 .	EA
Wilsonia humilis R.Br.	MP	. . 34 .	EA
Wilsonia rotundifolia Hook.	MP	. . . 4 .	EA
Boraginaceae			
Halgania andromedifolia Behr & F. Muell.	SS	. . 3 . .	EA
Halgania preissiana Lehm.	DS	. 23 . .	WA
Heliotropium undulatum M. Vahl	DS	. . . 4 .	EA
Chloanthaceae			
Pityrodia exserta (Benth.) Munir var. *exserta*	DS	1	PK
Lamiaceae			
Microcorys barbata R.Br.	SS	. 2 . . .	SW
Microcorys glabra (Bartling) Benth.	SS	. 23 . .	ER
Microcorys longiflora F. Muell.	SS	. 2 . . .	PK
Microcorys subcanescens Benth.	DS	1 . 3 . .	ER
Prostanthera canaliculata F. Muell.	SS	. 2 . . .	SW
Prostanthera serpyllifolia (R.Br.) Briq. subsp. *microphylla* (Cunn. ex Benth.) B.J. Cunn.	DS	. . 3 . .	EA
Teucrium sessiliflorum Benth.	AS	. . . 4 .	EA
Westringia cephalantha F. Muell.	SS	. . 3 . .	WA
Westringia dampieri R.Br.	MS	. 23 . 5	EA
Solanaceae			
Anthocercis fasciculata F. Muell.	MS	1 . . 45	PK
Anthocercis genistoides Miers	MS	. . 34 .	SW
Anthocercis littorea Labill.	TS	 5	SW
* *Lycium ferocissimum* Miers	TS	 5	
Nicotiana rotundifolia Lindley	RP	. . 3 . .	WA
Solanum capsiciforme (Domin) Baylis	HP	. . . 4 .	EA
* *Solanum nigrum* L.	HP	. . . 4 .	
Scrophulariaceae			
Glossostigma drummondii Benth.	AS	. . . 4 .	EA
* *Parentucellia latifolia* (L.) Caruel	AS	. . . 4 .	
Orobanchaceae			
* *Orobanche minor* Smith	AB	 5	
Lentibulariaceae			
Polypompholyx tenella (R.Br.) Lehm.	AB	. . . 4 .	EA
Utricularia violacea R.Br.	AB	. . . 4 .	EA
Myoporaceae			
Eremophila decipiens Ostenf.	LS	. . 34 .	EA
Eremophila densifolia F. Muell.	SS	12 . . .	SW
Eremophila denticulata F. Muell.	SS	. . . 4 .	PK
Eremophila glabra (R.Br.) Ostenf. var. *glabra*	SS	. . 34 .	EA
Eremophila glabra (R.Br.) Ostenf. var. *viridiflora* F. Muell.	SS	. . 3 . .	ER
Eremophila phillipsii F. Muell.	MS	. . 3 . .	SW
Myoporum beckeri F. Muell. ex Benth.	LS	. . 34 .	SW
Myoporum oppositifolium R.Br.	LS	 5	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Myoporum salsoloides Turcz.	SS	. . . 4 .	SW
Myoporum tetrandrum (Labill.) Domin	TS	. . . 4 5	SW
Plantaginaceae			
Plantago hispida R.Br.	AS	. . . 4 .	EA
Rubiaceae			
Opercularia apiciflora Labill.	DS	1	SW
Opercularia hispidula Endl.	DS	1 . . . 5	SW
Opercularia liberiflora F. Muell.	MP	. 2 3 . .	SW
Opercularia spermacocea Labill.	DS	 5	SW
Opercularia vaginata Labill.	DS	. 2 3 4 5	WA
Campanulaceae			
Wahlenbergia gracilenta Loth.	AS	. . . 4 .	EA
Lobeliaceae			
Isotoma hypocrateriformis (R.Br.) Druce	AS	. 2 . . .	SW
Lobelia alata Labill.	DS	. . . 4 5	EA
Lobelia gibbosa Labill.	AS	. . 3 4 5	EA
Lobelia rarifolia F. Wimmer	AS	1 2 . . .	SW
Lobelia rhombifolia Vriese	AS	. . . 4 .	EA
Lobelia tenuior R.Br.	AS	 5	SW
Goodeniaceae			
Anthotium humile R.Br.	RP	. 2 . . .	SW
Anthotium rubriflorum F. Muell. ex Benth.	RP	. 2 . . .	SW
Coopernookia georgei Carolin	DS	1	PK
Coopernookia polygalaceae (Vriese) Carolin	DS	. 2 3 4 .	SW
Coopernookia strophiolata (F. Muell.) Carolin	DS	. . 3 . .	EA
Dampiera diversifolia Vriese	MP	. . . 4 .	SW
Dampiera fasciculata R.Br.	DS	1 . 3 . .	SW
Dampiera oligophylla Benth. subsp. *juncea* (Benth.) Rajput & Carolin	SS	. 2 3 . 5	SW
Dampiera lavandulacea Lindley	DS	. 2 3 4 .	EA
Dampiera loranthifolia F. Muell. ex Benth.	DS	1	ER
Dampiera sacculata F. Muell. ex Benth.	DS	. . 3 . .	SW
Goodenia affinis Vriese	MP	. 2 3 4 .	EA
Goodenia berardiana (Gaudich.) Carolin	AS	. . . 4 .	EA
Goodenia caerulea R.Br.	DS	. 2 . . .	SW
Goodenia concinna Benth.	DS	. 2 3 . .	SW
Goodenia filiformis R.Br. var. *filiformis*	AS	. . . 4 .	SW
Goodenia filiformis R.Br. var. *minutiflora* F. Muell.	AS	. . . 4 .	SW
Goodenia incana R.Br.	DS	. 2 . . .	SW
Goodenia laevis Benth.	DS	. 2 . . .	SW
Goodenia pterygosperma R.Br.	DS	. 2 . . .	SW
Goodenia scapigera R.Br.	SS	1 2 3 . .	WA
Goodenia stenophylla F. Muell.	DS	1	PK
Goodenia viscida R.Br.	DS	. . . 4 .	WA
Lechenaultia acutiloba Benth.	DS	. . . 4 .	ER
Lechenaultia formosa R.Br.	MP	1 2 3 4 5	SW
Lechenaultia heteromera Benth.	DS	. 2 3 . 5	SW
Lechenaultia superba F. Muell.	SS	1	PK
Lechenaultia tubiflora R.Br.	MP	. 2 . 4 .	SW
Scaevola aemula R.Br.	DS	 5	EA

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Scaevola crassifolia Labill.	MS	 5	EA
Scaevola globulifera Labill.	DS	 5	SW
Scaevola myrtifolia (Vriese) Krause	MS	. . . 4 .	EA
Scaevola pulvinaris (E. Pritzel) Krause var. *arenaria* E. Pritzel	MP	. . 3 . .	SW
Scaevola striata R.Br.	DS	. 2 3 4 .	SW
Velleia trinervis Labill.	RP	. 2 3 4 5	SW
Stylidiaceae			
Levenhookia dubia Sonder	AS	. . . 4 .	EA
Levenhookia pauciflora Benth.	AS	. 2 . . .	SW
Levenhookia pusilla R.Br.	AS	. 2 . . .	EA
Levenhookia stipitata (Sonder) F. Muell.	AS	. 2 . . .	SW
Stylidium albomontis Carlq.	AS	1	PK
Stylidium assimile R.Br.	RP	. 2 . . .	ER
Stylidium breviscapum R.Br.	AS	. 2 3 . .	SW
Stylidium bulbiferum Benth.	RP	. 2 . . .	SW
Stylidium calcaratum R.Br. var. *calcaratum*	AS	. 2 . 4 .	EA
Stylidium caricifolium Lindley subsp. *caricifolium*	RP	. 2 3 . 5	SW
Stylidium carnosum Benth.	RP	. 2 . . .	SW
Stylidium corymbosum R.Br.	RP	. . . 4 .	SW
Stylidium crassifolium R.Br.	RP	. . . 4 .	SW
Stylidium falcatum R.Br.	AS	 5	SW
Stylidium galioides C. Gardner	DS	1	PK
Stylidium inundatum R.Br.	DS	. . . 4 .	EA
Stylidium piliferum R.Br. subsp. *piliferum*	RP	. 2 . . .	SW
Stylidium preissii (Sonder) F. Muell.	DS	. 2 . . .	ER
Stylidium repens R.Br. var. *repens*	DS	. 2 . . .	SW
Stylidium scandens R.Br.	CL	. 2 . . .	SW
Stylidium schoenoides DC.	RP	. 2 . . .	SW
Stylidium spathulatum R.Br. var. *lehmannianum* (Sonder) Mildbr.	RP	. . 3 . .	ER
Stylidium spinulosum R.Br. subsp. *spinulosum*	RP	1	SW
Stylidium squamellosum DC.	RP	1 2 . . .	SW
Asteraceae			
Actinobole uliginosum (A. Gray) H. Eichler	AS	. . . 4 .	EA
Angianthus preissianus (Steetz) Benth.	AS	. . . 4 .	EA
* *Arctotheca populifolia* (P. Bergius) Norlindh	AS	 5	
Asteridea nivea (Steetz) G. Kroner	DS	1 . . . 5	SW
Blennospora drummondii A. Gray	AS	. . . 4 .	EA
Brachycome ciliaris (Labill.) Less. var. *ciliaris*	DS	. . . 4 .	EA
Brachycome iberidifolia Benth.	AS	. . 3 4 .	EA
Brachycome perpusilla (Steetz) J. Black var. *perpusilla*	AS	. . . 4 .	EA
Calocephalus brownii (Cass.) F. Muell.	DS	 5	EA
* *Centaurea melitensis* L.	AS	. . . 4 .	
Chrysocoryne pusilla (Benth.) Endl.	AS	. . . 4 .	EA
Chrysocoryne uniflora Turcz.	AS	. . . 4 .	SW
Cotula australis (Sieber ex Sprengel) J.D. Hook.	AS	. . . 4 .	EA
Cotula coronopifolia L.	AS	. . . 4 .	EA
Cotula cotuloides (Steetz) Druce	AS	. . . 4 .	SW
Craspedia pleiocephala F. Muell.	RP	. . . 4 .	EA
* *Dittrichia graveolens* (L.) Greuter	AS	. . . 4 .	
Gnaphalium gymnocephalum DC.	AS	. . 3 4 .	EA
Gnephosis tenuissima Cass.	AS	. . . 4 .	SW
Helichrysum cordatum DC.	DS	 5	SW

Appendix 1 (continued). Floristic list of the Fitzgerald River National Park

Family and species	Life form	Distribution	
		Topog.	Endem.
Helichrysum lepidophyllum (Steetz) Benth.	DS	. . 3 . .	SW
Helichrysum obtusifolium F. Muell. & Sonder ex Sonder	DS	. 2 3 . .	EA
Helipterum demissum (A. Gray) Druce	AS	. . . 4 .	EA
Helipterum laeve (A. Gray) Benth.	AS	. . . 4 .	EA
Hyalochlamys globifera A. Gray	AS	. . . 4 .	SW
Ixiolaena viscosa Benth.	AS	. . . 4 .	SW
* *Hypochaeris glabra* L.	AS	. . . 4 .	
Lagenifera huegelii Benth.	RP	. . . 4 .	EA
Millotia tenuifolia Cass.	AS	. . 3 4 .	EA
Olearia axillaris (DC.) F. Muell. ex Benth.	LS	 5	EA
Olearia ciliata (Benth.) F. Muell. ex Benth. var. *ciliata*	DS	. 2 . . .	EA
Olearia imbricata (Turcz.) Benth.	DS	. . 3 . .	SW
Olearia muelleri (Sonder) Benth.	SS	. . 3 . .	EA
Olearia muricata (Steetz) Benth.	DS	. . . 4 .	SW
Olearia revoluta F. Muell. ex Benth.	LS	. . 3 4 .	SW
Ozothamnus tephrodes Turcz.	DS	. 2 . . .	WA
Podolepis capillaris (Steetz) Diels	HP	. . 3 4 5	EA
Podolepis lessonii (Cass.) Benth.	AS	. . . 4 .	WA
Podolepis rugata Labill. var. *rugata*	AS	. . . 4 .	EA
Podotheca angustifolia (Labill.) Less.	AS	. . . 4 .	EA
* *Pseudognaphalium luteo-album* (L.) Hilliard & B.L. Burtt	AS	. 2 . 4 .	
Rutidosis multiflora (Nees) Robinson	AS	. . . 4 .	EA
Scyphocoronis major (Turcz.) Druce	AS	. 2 . . .	EA
Senecio glomeratus Desf. ex Poiret	AS	. . . 4 .	EA
Senecio glossanthus (Sonder) Belcher	AS	. . . 4 .	EA
Senecio lautus G. Forster ex Willd. subsp. *dissectifolius* Ali	AS	. . . 4 5	EA
Senecio lautus G. Forster ex Willd. subsp. *maritimus* Ali	AS	 5	EA
Senecio quadridentatus Labill.	AS	. 2 . 4 .	EA
Senecio squarrosus A. Rich.	AS	. . . 4 .	EA
* *Senecio vulgaris* L.	AS	. . . 4 .	
* *Ursinia anthemoides* (L.) Poiret	AS	. . . 4 .	
Vittadinia australasica (Turcz.) N. Burb. var. *australasica*	DS	. . . 4 .	EA
Vittadinia gracilis (J.D. Hook.) N. Burb.	DS	. . . 4 .	EA
Waitzia acuminata Steetz	AS	. . . 4 .	EA
Waitzia aurea (Benth.) Steetz	AS	. . . 4 .	SW
Waitzia citrina (Benth.) Steetz	AS	 5	EA
Waitzia paniculata (Steetz) F. Muell. ex Benth.	AS	. . 3 . .	SW