Technical Memorandum 17

Plants of the Alligator Rivers Region, Northern Territory

I.D. Cowie and C.M. Finlayson

Supervising Scientist for
the Alligator Rivers Region

ERRATUM

In Appendix 2: Index to genera in the list of vascular plants (pp. 45-50):

Page numbers for genera should be one less than those shown. For example, *Abelmoschus* should read p. 17, not p. 18.

Exceptions are *Leersia* and *Tristicha* which are correct as printed; and *Caesia* which should read p. 43 not p. 42.

Supervising Scientist for the

Alligator Rivers Region

TECHNICAL MEMORANDUM 17

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ABSTRACT

Cowie, I.D. & Finlayson, C.M. (1986). Plants of the Alligator River Region, N.T. Technical Memorandum 17, Supervising Scientist for the Alligator Rivers Region.

Published and unpublished lists of plants of the Alligator Rivers Region have been combined into a single, up-to-date check-list. The list has been designed to replace fragmented, regional listings with a single document suitable for use by both professional and amateur botanists. The list is ordered in the taxonomic sequence adopted for the Flora of Australia and includes 1346 species from 165 families. There are 1275 native and 71 alien species listed. Separate lists of rare species are given and discussed.

1 INTRODUCTION

The Alligator Rivers Region (ARR) is located to the east of Darwin and comprises the catchments of the East, South and West Alligator Rivers and that of Cooper Creek (Fig. 1). Galloway (1976) and Christian & Aldrick (1977) have described the physical features of the region. To the south and east is the Arnhem Land Plateau: deeply dissected, rugged sandstone (Kombolgie formation) terrain some 200-300 m above sea level. The steep edges of the plateau form the spectacular Arnhem Land Escarpment which rises 50-250 m above the adjacent lowlands. Outliers of the plateau occur in the lowland areas, which are basically undulating plains with some rocky hills and ridges and alluvial tracts along the main rivers. There are extensive flood plains between the major rivers and the flood plains eventually merge with the tidal flats of the estuaries.

Interest in the flora of the ARR has increased as a result of the declaration of Kakadu National Park (Stages I and II) and the discovery and development of uranium deposits. Kakadu National Park Stage I is included on the World Heritage List, partly because of the floristic richness and endemism of the vegetation, and partly because of the affinity of its vegetation with that of south-east Asia and New Guinea (Australian National Parks and Wildlife Service 1980). Four major uranium deposits have been discovered in the ARR, though only those at Ranger and Nabarlek (Fig. 1) are being mined. Concern about the possible environmental effects of the mining and milling of uranium has prompted extensive biological investigations in the region.

The earliest comprehensive description of the flora was that of Specht & Mountford (1958) which reported on information collected by the 1948 American-Australian Expedition to Arnhem Land and included a list of plant species collected on a 1928 expedition by Mackay (1929). Land systems surveys have demonstrated the similarities between the vegetation of the ARR (Story 1976) and that of the Adelaide River (Story 1969) and the Darwin-Katherine areas (Christian & Stewart 1953). Comprehensive plant collections were made by Adams et al. (1973) as part of the ARR Fact Finding Study; Lazarides & Craven (1980) collected 857 species from Kakadu National Park, while Taylor & Dunlop (1985) produced an inventory of 657 species from the Kakadu Fauna Study (Braithwaite 1985). A further collection, concentrated on the Jabiluka area, was made by Waterhouse and a partial species list compiled and incorporated into the Review of Jabiluka Environmental Studies (Morley 1981).

The purpose of this report has been to combine the many published and unpublished floras of the ARR into a useful working list, thus providing research and management staff with a comprehensive up-to-date check list of the flora of the ARR.

2 METHODS

Plant species lists compiled by Specht & Mountford (1958), Adams et al. (1973), Dames & Moore (1978), Messel et al. (1979), Dunlop & Begg (1980), Lazarides & Craven (1980), Thompson & Burgman (1981), Russell-Smith (1984), Taylor & Dunlop (1985) and Waterhouse (unpublished) were consulted. These were combined with a list compiled by staff of the Alligator Rivers Region Research Institute. Approximately 1500 specimens

representing 600 species are held in a herbarium at the Institute. Plant identifications have been checked with the Darwin Herbarium and the National Herbaria in Sydney and Canberra. The lists compiled by Adams et al. (1973) and Thompson and Burgman (1981) cite voucher collection numbers for specimens lodged in herbaria.

The list (Appendix 1) is presented in the following sequence of taxonomic divisions: Psilophyta, Lycopodiophyta, Polypodiophyta, Pinophyta and Magnoliophyta. The families within each division are arranged according to the system of Cronquist (1981), as adopted for the Flora of Australia (Kanis 1981). The species have been assigned a code number as part of the Alligator Rivers Region Research Institute computer data base. An index to genera is given in Appendix 2. The nomenclature used in our list follows that used in the unpublished 'Check-list of Northern Territory Plants' compiled by staff of the Herbaria of the Northern Territory (October 1985): the Check-list should be consulted for authors of the plant names used.

3 RESULTS AND DISCUSSION

3.1 General description

The list of plant species is given in Appendix 1. The list contains 1346 species from 165 families and represents 1275 native and 71 alien species. The flora has strong affinities with that of parts of the Kimberley region (George & Kenneally 1977; Specht 1958) and to a lesser extent with that of parts of Cape York Peninsular (Specht et al. 1977; Goodwin 1985).

The major plant-communities of the ARR have been described by Story (1969, 1976). The two most widespread are tall, open forests and woodlands (Fig. 2a) dominated by *Eucalyptus tetrodonta* and *E. miniata*. Less common, but characteristic of the area are *Livistona humilis* woodlands (Fig. 2b), fringing *Melaleuca* forests (Fig. 2c,d) and seasonally inundated grasslands (Fig. 2c) where the permanent billabongs are now havens for the introduced floating fern, *Salvinia molesta* (Fig. 2e). These areas have been extensively sampled but the widespread sandstone scrub of the escarpment has not been as thoroughly investigated.

Table 1 reviews the numbers of species recorded in this and other studies in the Region. Cumulative knowledge of the ARR flora has increased considerably since the ARR Fact Finding Study in 1973: there has been a 42% increase in the number of species recorded. In particular, the number of species in families with a high proportion of annuals (e.g. Poaceae, Cyperaceae, Fabaceae) has increased dramatically, reflecting increased collecting during the late Wet season. Of particular note is an increase of 132% in the number of alien plant species recorded since 1973 (Table 1).

3.2 Rare and endemic species

Russell-Smith (1984), in a survey of monsoon forests in Kakadu National Park, found some 38 species regarded as rare in the north of the Northern Territory (Table 2), although some are common in other parts of Australia. Included were two indeterminate genera in the Rubiaceae and Annonaceae and an indeterminate family. Most of these species were confined to escarpment springs; those found in exposed escarpment spring areas were regarded as

being the most vulnerable to extinction, primarily through the impact of feral buffalo. Briggs & Leigh (1984) list plants known to occur in the ARR and regarded by them as rare in a national sense (Table 3). There is little agreement between the two lists. Given the inaccessibility of sandstone plateau areas of the ARR and Arnhem Land, and that botanically they are relatively unexplored, it seems premature to draw conclusions about the rarity of particular plant species. At the same time however, it appears that there are many species endemic to sandstone areas of the Top End (areas north of 15°S), many of discontinuous distribution in North Queensland and sandstone plateau areas of the N.T., and some that are of even more restricted occurence (eg. Elaeocarpaceae Gen. et sp. indet; Brennan 153 (Fig. 3)). The dissected nature of the sandstone plateau areas, the mesic habitats afforded by gorges and springs and the different soils present are expected to have contributed to this situation.

Adams et al. (1973) regarded the ARR as rich in species endemic (20% of the flora) to the Top End, as well as being rich in species endemic to Australia (37%). Specht (1958) found that of a total of 1082 species of angiosperms recorded in the Top End, 57% were endemic to Australia, and that 180 species (17%) were endemic to the N.T. The current study found that 52% of the ARR plant species were endemic to Australia, while 17% were found to be endemic to the Top End. As the estimated 80 genera containing undescribed or undetermined species begin to receive attention from taxonomists, these proportions are expected to increase.

Taylor & Dunlop (1985), working at the generic level, concluded that the ARR was not rich in endemic genera. North Australian plant communities are generally low in endemic genera when compared to some southern Australian communities (Specht 1981).

3.3 Alien plants

The total number of alien plants in the flora is low (71) when compared with numbers in the floras of developed regions in southern Australia (e.g. SE Qld: 763; NSW, Sydney district: 575 (Specht 1981)). The proportion (5.3%) is similar to the proportion for the N.T. as a whole (5.1%) (Mitchell 1978) but is lower than that of Australia as a whole (10%) (Wace 1973).

The alien flora is represented by 21 families; the Poaceae being most strongly represented (25% of species), followed by Fabaceae (20%) and Asteraceae (8%). The same families dominate the alien floras of other regions in Australia (Specht 1981) and, after the Orchidaceae, are the world's largest plant families (Heywood 1978).

4 ACKNOWLEDGMENTS

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APPENDIX 1

List of vascular plants of the Alligator Rivers Region

In the following list an asterisk denotes an alien species

Division / Family	Code	Species name
PSILOPHYTA		
PSILOTACEAE		
	8727	*Psilotum nudum*
LYCOPODIOPHYTA		
LYCOPODIACEAE		
	8718	*Lycopodium cernuum*
SELAGINELLACEAE		
	8735	*Selaginella ciliaris*
	8736	*Selaginella uliginosa*
ISOETACEAE		
	8714	*Isoetes coromandelina*
POLYPODIOPHYTA		
OPHIOGLOSSACEAE		
	8724	*Helminthostachys zeylanica*
	8068	*Ophioglossum intermedium*
SCHIZAEACEAE		
	8733	*Schizaea dichotoma*
	8734	*Schizaea digitata*
LYGODIACEAE		
	8731	*Lygodium flexuosum*
	8069	*Lygodium japonicum*
	8732	*Lygodium microphyllum*
SINOPTERIDACEAE		
	8740	*Cheilanthes fragillima*
	8070	*Cheilanthes pumilio*
	8746	*Cheilanthes tenuifolia*
	8747	*Cheilanthes vellea*
	8071	*Doryopteris concolor*
PARKERIACEAE		
	1880	*Ceratopteris thalictroides*
HEMIONITIDACEAE		
	8713	*Taenitis blechnoides*

Division	Family	Code	Species name
	ADIANTACEAE		
		8704	*Adiantum philippense*
	DENNSTAEDTIACEAE		
		8709	*Pteridium revolutum*
		8072	*Histiopteris* sp.
	LINDSAEACEAE		
		8717	*Lindsaea ensifolia*
	OLEANDRACEAE		
		8073	*Nephrolepis biserrata*
		8723	*Nephrolepis obliterata*
	HYMENOPHYLLACEAE		
		8024	*Selenodesmium obscurum*
	GLEICHENIACEAE		
		8710	*Dicranopteris linearis*
	BLECHNACEAE		
		8706	*Blechnum indicum*
		8707	*Blechnum orientale*
		8708	*Stenochlaena palustris*
	POLYPODIACEAE		
		8725	*Drynaria quercifolia*
	PLATYZOMATACEAE		
		8712	*Platyzoma microphyllum*
	MARSILEACEAE		
		8719	*Marsilea angustifolia*
		8720	*Marsilea crenata*
		8721	*Marsilea drummondii*
		1523	*Marsilea mutica*
	AZOLLACEAE		
		1796	*Azolla filiculoides*
		1508	*Azolla pinnata*
	SALVINIACEAE		
		8730	*Salvinia molesta**
PINOPHYTA			
	CUPRESSACEAE		
		8751	*Callitris intratropica*
	CYCADACEAE		
		8754	*Cycas* sp.

Division	Family	Code	Species name
MAGNOLIOPHYTA			
	ANNONACEAE		
		1697	*Polyalthia holtzeana*
		1698	*Polyalthia nitidissima*
		1707	*Popowia australis*
		8792	*Rauwenhoffia leichhardtii*
		2648	*Rauwenhoffia* sp.
		8838	*Unona wardiana*
		1699	*Uvaria holtzei*
	MYRSTICACEAE		
		2927	*Horsfieldia australiana*
		2928	*Myristica insipida*
	LAURACEAE		
		2682	*Cassytha capillaris*
		2683	*Cassytha filiformis*
		2684	*Cryptocarya cunninghamii*
		2685	*Cryptocarya exfoliata*
		2686	*Litsea glutinosa*
	HERNANDIACEAE		
		2655	*Gyrocarpus americanus*
	ARISTOLOCHIACEAE		
		1873	*Aristolochia holtzei*
	NELUMBONACEAE		
		1848	*Nelumbo nucifera*
	NYMPHAEACEAE		
		1505	*Nymphaea hastifolia*
		1505	*Nymphaea macrosperma*
		1505	*Nymphaea nouchali*
		1505	*Nymphaea pubescens*
		1505	*Nymphaea violacea*
	CERATOPHYLLACEAE		
		1760	*Ceratophyllum demersum*
	RANUNCULACEAE		
		8403	*Clematis pickeringii*
	MENISPERMACEAE		
		2807	*Pachygone ovata*
		2808	*Stephania japonica*
		2809	*Tiliacora australiana*
		2903	*Tinospora angusta*
		2810	*Tinospora smilacina*

Division	Family	Code	Species name
	ULMACEAE		
		8652	*Celtis philippinensis*
		8654	*Trema aspera*
	MORACEAE		
		2906	*Antiaris toxicaria*
		2910	*Ficus benjamina*
		2913	*Ficus coronulata*
		2914	*Ficus hispida*
		2915	*Ficus leucotricha*
		2916	*Ficus opposita*
		2917	*Ficus platypoda*
		2918	*Ficus racemosa*
		2919	*Ficus scobina*
		2920	*Ficus subpuberula*
		2922	*Ficus virens*
		2923	*Malaisia scandens*
	URTICACEAE		
		8799	*Laportea interrupta*
	CASUARINACEAE		
		2039	*Casuarina equisetifolia*
	NYCTAGINACEAE		
		8031	*Boerhavia coccinea*
		8839	*Boerhavia dominii*
		8032	*Pisonia aculeata*
	AIZOACEAE		
		1646	*Sesuvium portulacastrum*
		1648	*Trianthema megasperma*
		8462	*Trianthema pilosa*
		1650	*Trianthema portulacastrum**
		1651	*Trianthema rhynchocalyptra*
		1652	*Trianthema triquetra*
	CHENOPODIACEAE		
		2052	*Suaeda arbuscoloides*
		2053	*Tecticornia australasica*
	AMARANTHACEAE		
		1653	*Achyranthes aspera**
		1657	*Alternanthera microntha*
		1659	*Alternanthera nodiflora*
		1660	*Alternanthera pungens**
		8803	*Alternanthera sessilis*
		1666	*Amaranthus viridis**
		1671	*Gomphrena canescens*
		1672	*Gomphrena celosioides**
		1675	*Gomphrena flaccida*
		1680	*Ptilotus conicus*

Division	Family	Code	Species name
		1681	*Ptilotus corymbosus*
		1683	*Ptilotus distans*
		1686	*Ptilotus lanatus*
		1687	*Ptilotus lophotrichus*
		1690	*Ptilotus polystachyus*
		1693	*Pupalia lappacea*
	PORTULACACEAE		
		1541	*Calandrinia quadrivalvis*
		1542	*Calandrinia uniflora*
		8376	*Portulaca bicolor*
		8377	*Portulaca filifolia*
		8378	*Portulaca oleracea*
	MOLLUGINACEAE		
		2900	*Glinus lotoides*
		1517	*Glinus oppositifolius*
		2902	*Macarthuria apetala*
		2905	*Mollugo pentaphylla*
	CARYOPHYLLACEAE		
		2028	*Polycarpaea corymbosa*
		2030	*Polycarpaea fallax*
		2031	*Polycarpaea holtzei*
		2033	*Polycarpaea longiflora*
		2034	*Polycarpaea microphylla*
		2037	*Polycarpaea violacea*
	POLYGONACEAE		
		8369	*Muehlenbeckia rhyticarya*
		1507	*Polygonum attenuatum*
		8372	*Polygonum orientale*
	PLUMBAGINACEAE		
		8091	*Aegialitis annulata*
		8092	*Plumbago zeylanica*
	DILLENIACEAE		
		2316	*Hibbertia brownii*
		2317	*Hibbertia cistifolia*
		2318	*Hibbertia dealbata*
		2321	*Hibbertia lepidota*
		2323	*Hibbertia oblongata*
		2328	*Hibbertia tomentosa*
		2329	*Pachynema complanatum*
		2330	*Pachynema dilatatum*
		2331	*Pachynema junceum*
		2332	*Pachynema sphenandrum*
	THEACEAE		
		8371	*Ternstroemia cherryi*

Division	Family	Code	Species name
	CLUSIACEAE		
		2074	*Calophyllum sil*
		2075	*Calophyllum soulattri*
	ELAEOCARPACEAE		
		2342	*Elaeocarpus arnhemicus*
	TILIACEAE		
		8805	*Corchorus aestuans**
		8631	*Corchorus capsularis*
		8635	*Corchorus sidoides*
		8638	*Grewia breviflora*
		8639	*Grewia multiflora*
		8640	*Grewia orientalis*
		8642	*Grewia retusifolia*
		8643	*Grewia xanthopetala*
		8644	*Triumfetta appendiculata*
		8645	*Triumfetta denticulata*
		8647	*Triumfetta micracantha*
		8649	*Triumfetta rhomboidea*
	STERCULIACEAE		
		8574	*Brachychiton diversifolius*
		8576	*Brachychiton paradoxum*
		8577	*Helicteres cana*
		8578	*Helicteres dentata*
		8790	*Helicteres* sp.
		8581	*Keraudrenia hookeriana*
		8582	*Melhania incana*
		1560	*Melochia corchorifolia*
		8586	*Pentapetes phoenicea*
		8587	*Sterculia quadrifida*
		8804	*Sterculia* sp.
		8588	*Waltheria indica*
	BOMBACACEAE		
		1970	*Bombax ceiba*
		1971	*Camptostemon schultzii*
		1972	*Dicarpidium monoicum*
	MALVACEAE		
		2757	*Abelmoschus moschatus*
		2760	*Abutilon indicum*
		2763	*Decaschistia brynesii*
		2765	*Gossypium cunninghamii*
		8801	*Gossypium hirsutum**
		2766	*Hibiscus arnhemensis*
		2767	*Hibiscus byrnesii*
		2769	*Hibiscus leptocladus*
		2770	*Hibiscus menzeliae*
		2771	*Hibiscus meraukensis*
		2772	*Hibiscus panduriformis*

Division	Family	Code	Species name
		2774	*Hibiscus sabdariffa**
		2777	*Hibiscus symonii*
		2778	*Hibiscus tiliaceus*
		2780	*Hibiscus zonatus*
		2781	*Malachra fasciata**
		2783	*Sida acuta**
		2784	*Sida cordifolia**
		2788	*Sida rhombifolia**
		2792	*Thespesia populneoides*
		2793	*Urena lobata*
	LECYTHIDACEAE		
		1629	*Barringtonia acutangula*
		1632	*Planchonia careya*
	DROSERACEAE		
		1711	*Aldrovanda vesiculosa*
		8003	*Drosera banksii*
		1831	*Drosera burmanni*
		1833	*Drosera indica*
		1834	*Drosera peltata*
		1832	*Drosera petiolaris*
	FLACOURTIACEAE		
		2602	*Flacourtia territorialis*
	BIXACEAE		
		1616	*Cochlospermum fraseri*
		2477	*Cochlospermum gillivraei*
		2077	*Cochlospermum gregorii*
	VIOLACEAE		
		8676	*Hybanthus enneaspermus*
	PASSIFLORACEAE		
		8077	*Adenia heterophylla*
		8078	*Passiflora foetida**
	CUCURBITACEAE		
		2154	*Cucumis melo*
		2155	*Diplocyclos palmatus*
		2156	*Luffa cylindrica*
		8812	*Mukia* sp. a (foa)
		1643	*Mukia maderaspatana*
		2158	*Trichosanthes cucumerina*
		1958	*Trichosanthes holtzei*
	CAPPARACEAE		
		2117	*Capparis jacobsii*
		2019	*Capparis quiniflora*
		2020	*Capparis sepiaria*
		2021	*Capparis umbonata*

Division	Family	Code	Species name
		2069	*Cleome oxalidea*
		1546	*Cleome tetrandra*
		1547	*Cleome viscosa*
	BRASSICACEAE		
		8793	*Coronopus didymus**
	EPACRIDACEAE		
		2345	*Leucopogon acuminatus*
	SAPOTACEAE		
		8497	*Mimusops elengi*
		8498	*Planchonella arnhemica*
		1610	*Planchonella pohlmaniana*
		8501	*Pouteria sericea*
	EBENACEAE		
		2338	*Diospyros calycantha*
		2339	*Diospyros cordifolia*
		2340	*Diospyros ferrea*
		2341	*Diospyros maritima*
	MYRSINACEAE		
		2929	*Aegiceras corniculatum*
		2930	*Embelia* sp.
		2932	*Rapanea benthamiana*
	PRIMULACEAE		
		8382	*Anagallis pumila**
	PITTOSPORACEAE		
		8087	*Bursaria spinosa*
		8088	*Pittosporum ferrugineum*
		8089	*Pittosporum melanospermum*
	BYBLIDACEAE		
		1988	*Byblis liniflora*
	CHRYSOBALANACEAE		
		2067	*Maranthes corymbosa*
		2068	*Parinari nonda*
	SURIANACEAE		
		8619	*Suriana maritima*
	MIMOSACEAE		
		2823	*Acacia alleniana*
		2827	*Acacia aulacocarpa*
		2828	*Acacia auriculiformis*
		2833	*Acacia conspersa*

Division / Family	Code	Species name
	2835	*Acacia difficilis*
	2836	*Acacia dimidiata*
	2839	*Acacia gonocarpa*
	8800	*Acacia hammondii*
	2840	*Acacia helicophylla*
	2841	*Acacia hemignosta*
	2843	*Acacia holosericea*
	2844	*Acacia humifusa*
	2845	*Acacia latescens*
	2846	*Acacia latifolia*
	2849	*Acacia leptostachya*
	2850	*Acacia limbata*
	2851	*Acacia linarioides*
	2852	*Acacia lycopodiifolia*
	8802	*Acacia megalantha*
	1615	*Acacia mimula*
	2857	*Acacia mountfordiae*
	2858	*Acacia multisiliqua*
	2860	*Acacia oncinocarpa*
	2861	*Acacia pachyphloia*
	2866	*Acacia platycarpa*
	2867	*Acacia plectocarpa*
	2868	*Acacia praelongata*
	2870	*Acacia producta*
	2872	*Acacia rothii*
	2873	*Acacia sericoflora*
	2875	*Acacia simsii*
	8770	*Acacia* sp.
	2878	*Acacia suberosa*
	2879	*Acacia sublanata*
	2880	*Acacia subternata*
	2881	*Acacia torulosa*
	2883	*Acacia tropica*
	2884	*Acacia tumida*
	2885	*Acacia umbellata*
	2888	*Adenanthera pavonina*
	2889	*Cathormion umbellatum*
	2894	*Mimosa pigra**
	2895	*Mimosa pudica**
	2896	*Neptunia gracilis*
CAESALPINIACEAE		
	1990	*Caesalpinia bonduc*
	1991	*Cassia absus*
	1992	*Cassia alata**
	1993	*Cassia cladophylla*
	2830	*Cassia fistula**
	1994	*Cassia harneyi*
	1826	*Cassia leptoclada*
	1825	*Cassia mimosoides*
	1995	*Cassia obtusifolia**

Division / Family	Code	Species name
	1827	*Cassia occidentalis**
	2003	*Cassia venusta*
	1612	*Erythrophleum chlorostachys*
	2004	*Labichea nitida*
	2005	*Lysiphyllum cunninghamii*
	2006	*Lysiphyllum hookeri*
	2008	*Peltophorum pterocarpum*
	2010	*Piliostigma malabaricum*
FABACEAE		
	2435	*Abrus precatorius*
	2436	*Aeschynomene americana**
	2437	*Aeschynomene aspera**
	2438	*Aeschynomene indica*
	2439	*Alysicarpus longifolius*
	2440	*Alysicarpus rugosus*
	1581	*Alysicarpus vaginalis**
	2441	*Austrodolichos errabundus*
	2442	*Bossiaea bossiaeoides*
	2445	*Burtonia subulata*
	2446	*Cajanus acutifolius*
	2447	*Cajanus cinereus*
	8828	*Calopogonium mucunoides**
	2455	*Canavalia rosea*
	8794	*Canavalia* sp.
	2456	*Centrosema brazilianum**
	2462	*Crotalaria alata*
	2463	*Crotalaria calycina*
	2464	*Crotalaria crassipes*
	2467	*Crotalaria goreensis**
	2471	*Crotalaria linifolia*
	2472	*Crotalaria medicaginea*
	2474	*Crotalaria novae-hollandiae*
	2476	*Crotalaria retusa*
	2478	*Crotalaria verrucosa*
	2480	*Cyclocarpa stellaris*
	2481	*Daviesia reclinata*
	2484	*Derris uliginosa*
	2490	*Desmodium 'clavitricha'*
	2485	*Desmodium* affin. *muelleri*
	2488	*Desmodium biarticulatum*
	2489	*Desmodium brownii*
	1538	*Desmodium filiforme*
	1537	*Desmodium flagellare*
	2491	*Desmodium gangeticum*
	2492	*Desmodium heterocarpum*
	2494	*Desmodium muelleri*
	2495	*Desmodium neurocarpum*
	2499	*Desmodium tortuosum**

Division / Family	Code	Species name
	1539	*Desmodium trichostachyum*
	8012	*Dunbaria singuliflora*
	8013	*Eriosema chinense*
	8014	*Erythrina variegata*
	8015	*Erythrina vespertilio*
	8017	*Flemingia lineata*
	2503	*Flemingia parviflora*
	2506	*Galactia megalophylla*
	8782	*Galactia* sp.
	2508	*Galactia tenuiflora*
	2510	*Glycine tomentella*
	2512	*Indigofera colutea*
	2516	*Indigofera hirsuta**
	2517	*Indigofera linifolia*
	2518	*Indigofera linnaei*
	2521	*Indigofera pratensis*
	2522	*Indigofera saxicola*
	2524	*Indigofera tinctoria*
	8784	*Jacksonia cf thesioides*
	2528	*Jacksonia dilatata*
	2531	*Jacksonia vernicosa*
	2444	*Leptosema uniflorum*
	2532	*Macroptilium atropurpureum**
	2533	*Macroptilium lathyroides**
	2534	*Mucuna gigantea*
	2536	*Phaseolus adenanthus*
	2542	*Pongamia pinnata*
	8819	*Psoralea patens*
	2549	*Pycnospora lutescens*
	2552	*Rhynchosia minima*
	2555	*Sesbania benthamiana*
	2556	*Sesbania cannabina*
	2560	*Sesbania sesban*
	2561	*Smithia conferta*
	2565	*Stylosanthes guianensis**
	8814	*Stylosanthes hamata**
	2566	*Stylosanthes humilis**
	2568	*Stylosanthes viscosa**
	2569	*Templetonia hookeri*
	2573	*Tephrosia flammea*
	2579	*Tephrosia oblongata*
	2581	*Tephrosia phaeosperma*
	2583	*Tephrosia remotiflora*
	2584	*Tephrosia reticulata*
	2586	*Tephrosia singuliflora*
	2590	*Uraria cylindracea*
	2591	*Uraria lagopodioides*
	2593	*Vigna lanceolata*
	8785	*Vigna radiata*
	2595	*Vigna vexillata*
	2598	*Zornia dictyocarpa*
	2601	*Zornia nervata*
	8777	*Zornia* sp.

Division	Family	Code	Species name
	PROTEACEAE		
		1634	*Banksia dentata*
		8383	*Grevillea angulata*
		8385	*Grevillea decurrens*
		8386	*Grevillea dimidiata*
		8387	*Grevillea dryandri*
		8389	*Grevillea goodii*
		1618	*Grevillea heliosperma*
		8391	*Grevillea mimosoides*
		8393	*Grevillea parallela*
		1636	*Grevillea pteridifolia*
		8394	*Grevillea pungens*
		8395	*Grevillea refracta*
		8396	*Grevillea rubicunda*
		8413	*Grevillea* spp.
		8398	*Hakea arborescens*
		8400	*Helicia australasica*
		8401	*Persoonia falcata*
		8402	*Stenocarpus cunninghamii*
		8840	*Stenocarpus* sp.
	PODOSTEMACEAE		
		8356	*Tristicha trifaria*
	HALORAGACEAE		
		2644	*Gonocarpus acanthocarpus*
		2647	*Gonocarpus leptothecus*
		2649	*Myriophyllum callitrichoides*
		1756	*Myriophyllum dicoccum*
		1755	*Myriophyllum trachycarpum*
		2652	*Myriophyllum tuberculatum*
	SONNERATIACEAE		
		8556	*Sonneratia alba*
		8557	*Sonneratia caseolaris*
	LYTHRACEAE		
		2746	*Ammannia baccifera*
		2747	*Ammannia multiflora*
		2752	*Pemphis acidula*
		2754	*Rotala mexicana*
		1839	*Rotala occultiflora*
	THYMELAEACEAE		
		8623	*Arnhemia cryptantha*
		8626	*Pimelea punicea*
	ONAGRACEAE		
		1506	*Ludwigia adscendens*
		1572	*Ludwigia hyssopifolia*
		1573	*Ludwigia octovalvis*
		1574	*Ludwigia perennis*

Division	Family	Code	Species name
	MELASTOMATACEAE		
		2795	*Melastoma polyanthum*
		8703	*Memecylon pauciflorum*
		2796	*Osbeckia australiana*
	COMBRETACEAE		
		2078	*Lumnitzera littorea*
		2079	*Lumnitzera racemosa*
		2082	*Terminalia bursarina*
		2083	*Terminalia canescens*
		2084	*Terminalia carpentariae*
		2086	*Terminalia erythrocarpa*
		2087	*Terminalia ferdinandiana*
		2089	*Terminalia grandiflora*
		2090	*Terminalia latipes*
		1609	*Terminalia platyphylla*
		1611	*Terminalia pterocarya*
		2129	*Terminalia sericocarpa*
		2094	*Terminalia volucris*
	MYRTACEAE		
		2934	*Allosyncarpia ternata*
		8797	*Baeckea* sp.
		2935	*Calytrix achaeta*
		2936	*Calytrix arborescens*
		2937	*Calytrix brachychaeta*
		2938	*Calytrix decussata*
		1617	*Calytrix exstipulata*
		2940	*Calytrix megaphylla*
		2941	*Calytrix micrairoides*
		2943	*Calytrix surdiviperana*
		2944	*Calytrix verticillata*
		1631	*Eucalyptus alba*
		2951	*Eucalyptus bigalerita*
		1605	*Eucalyptus bleeseri*
		2955	*Eucalyptus clavigera*
		1604	*Eucalyptus confertiflora*
		2958	*Eucalyptus dichromophloia*
		2960	*Eucalyptus ferruginea*
		2961	*Eucalyptus foelscheana*
		2962	*Eucalyptus grandifolia*
		2963	*Eucalyptus herbertiana*
		2964	*Eucalyptus jacobsiana*
		2965	*Eucalyptus jensenii*
		2966	*Eucalyptus kombolgiensis*
		1640	*Eucalyptus latifolia*
		1603	*Eucalyptus miniata*
		2972	*Eucalyptus oligantha*
		1639	*Eucalyptus papuana*
		2974	*Eucalyptus phoenicea*
		1619	*Eucalyptus polycarpa*

Division / Family	Code	Species name
	1601	*Eucalyptus porrecta*
	2977	*Eucalyptus pruinosa*
	2978	*Eucalyptus ptychocarpa*
	2979	*Eucalyptus setosa*
	1606	*Eucalyptus tectifica*
	1602	*Eucalyptus tetrodonta*
	2983	*Homalocalyx ericaeus*
	2984	*Leptospermum longifolium*
	1802	*Lophostemon grandiflorus*
	1801	*Lophostemon lactifluus*
	2985	*Melaleuca acacioides*
	1623	*Melaleuca argentea*
	8837	*Melaleuca arnhemica*
	1645	*Melaleuca cajuputi*
	8836	*Melaleuca cornucopiae*
	2988	*Melaleuca dealbata*
	1620	*Melaleuca leucadendra*
	2042	*Melaleuca magnifica*
	1635	*Melaleuca nervosa*
	8835	*Melaleuca punicea*
	1622	*Melaleuca symphyocarpa*
	1621	*Melaleuca viridiflora*
	2333	*Myrtella cordata*
	2335	*Myrtella obtusa*
	2336	*Osbornia octodonta*
	2947	*Rhodamnia australis*
	8757	*Rhodamnia* sp.
	2956	*Syzygium angophoroides*
	1626	*Syzygium armstrongii*
	1642	*Syzygium eucalyptoides*
	1624	*Syzygium forte*
	8020	*Syzygium minutuliflorum*
	8021	*Syzygium operculatum*
	1625	*Syzygium suborbiculare*
	8022	*Verticordia cunninghamii*
	8023	*Verticordia decussata*
	1637	*Verticordia verticillata*
	8025	*Xanthostemon eucalyptoides*
	1608	*Xanthostemon paradoxus*
	1803	*Xanthostemon psidioides*
	8027	*Xanthostemon umbrosus*
RHIZOPHORACEAE		
	8420	*Bruguiera exaristata*
	8421	*Bruguiera gymnorrhiza*
	8422	*Bruguiera parviflora*
	1736	*Carallia brachiata*
	8424	*Ceriops decandra*
	8425	*Ceriops tagal*
	8427	*Rhizophora stylosa*

Division	Family	Code	Species name
	OLACACEAE		
		8033	*Olax aphylla*
		8034	*Olax pendula*
	OPILIACEAE		
		8043	*Opilia amentacea*
	SANTALACEAE		
		8480	*Anthobolus filifolius*
		8481	*Exocarpos latifolius*
		8483	*Santalum lanceolatum*
	LORANTHACEAE		
		2725	*Amyema benthamii*
		2726	*Amyema bifurcatum*
		2727	*Amyema conspicuum*
		2733	*Amyema preissii*
		2734	*Amyema sanguineum*
		2735	*Amyema thalassium*
		8822	*Amyema tridactylum*
		2736	*Amyema villiflorum*
		2737	*Decaisnina brittenii*
		2739	*Decaisnina signata*
		2740	*Dendrophthoe acacioides*
		2742	*Dendrophthoe odontocalyx*
	VISCACEAE		
		8678	*Viscum whitei*
	CELASTRACEAE		
		2119	*Cassine melanocarpa*
		2040	*Denhamia obscura*
		1627	*Lophopetalum arnhemicum*
		2043	*Maytenus ferdinandi*
	STACKHOUSIACEAE		
		8820	*Stackhousia intermedia*
	AQUIFOLIACEAE		
		1798	*Ilex arnhemensis*
	EUPHORBIACEAE		
		1917	*Actephila* sp.
		8590	*Antidesma ghaesembilla*
		8591	*Antidesma parvifolium*
		2360	*Beyeria bickertonensis*
		2361	*Beyeria tristigma*
		2362	*Breynia cernua*
		2363	*Breynia rhynchocarpa*
		2364	*Bridelia tomentosa*
		2365	*Calycopeplus casuarinoides*
		2377	*Choriceras tricorne*

Division / Family	Code	Species name
	2378	*Claoxylon tenerifolium*
	2380	*Croton armstrongii*
	2381	*Croton arnhemicus*
	2382	*Croton byrnesii*
	8007	*Drypetes lasiogyna*
	1807	*Euphorbia* affin. *australis*
	2366	*Euphorbia alsiniflora*
	1759	*Euphorbia coghlanii*
	1806	*Euphorbia hirta**
	1789	*Euphorbia micradenia*
	2372	*Euphorbia mitchelliana*
	1758	*Euphorbia prunifolia*
	1808	*Euphorbia schultzii*
	1805	*Euphorbia vachelliii*
	2385	*Exoecaria agallocha*
	2433	*Fleuggea virosa*
	2389	*Glochidion disparipes*
	2390	*Glochidion perakensis*
	2391	*Glochidion xerocarpum*
	2392	*Homalanthus novo-guineensis*
	2396	*Macaranga involucrata*
	2397	*Macaranga tanarius*
	2399	*Mallotus nesophilus*
	2400	*Mallotus philippensis*
	2404	*Monotaxis tenuis*
	2405	*Petalostigma banksii*
	1638	*Petalostigma pubescens*
	2406	*Petalostigma quadriloculare*
	2412	*Phyllanthus ciccoides*
	2415	*Phyllanthus grandisepalus*
	2417	*Phyllanthus minutiflorus*
	2418	*Phyllanthus reticulatus*
	1810	*Phyllanthus simplex*
	8463	*Phyllanthus* sp. 1
	8521	*Phyllanthus* sp. 2
	8522	*Phyllanthus* sp. 3
	8664	*Phyllanthus* sp. 4
	8755	*Phyllanthus* sp. 5
	2420	*Phyllanthus urinaria*
	1884	*Phyllanthus virgatus*
	2422	*Poranthera microphylla*
	2423	*Sauropus brunonis*
	2424	*Sauropus ditassoides*
	2426	*Sauropus glaucus*
	2431	*Sebastiania chamaelae*
	2434	*Suregada glomerulata*
	8841	*Tragia novae-hollandiae*
RHAMNACEAE		
	8410	*Alphitonia excelsa*
	8415	*Emmenosperma cunninghamii*
	8842	*Spyridium* sp.

Division	Family	Code	Species name
	LEEACEAE		
		2688	*Leea rubra*
	VITACEAE		
		8679	*Ampelocissus acetosa*
		8680	*Cayratia clematidea*
		8681	*Cayratia trifolia*
		8682	*Cissus adnata*
		8685	*Cissus repens*
	ERYTHROXYLACEAE		
		2358	*Erythroxylum ellipticum*
	POLYGALACEAE		
		8357	*Comesperma aphyllum*
		8358	*Comesperma secundum*
		8359	*Polygala arvensis*
		8361	*Polygala eriocephala*
		8362	*Polygala exsquarrosa*
		8364	*Polygala longifolia*
		8365	*Polygala orbicularis*
		8366	*Polygala rhinanthoides*
		8818	*Polygala stenoclada*
		8367	*Salomonia oblongifolia*
	SAPINDACEAE		
		8484	*Allophylus cobbe*
		8485	*Atalaya hemiglauca*
		8486	*Atalaya variifolia*
		8487	*Cardiospermum halicacabum*
		8488	*Cupaniopsis anacardioides*
		8489	*Distichostemon hispidulus*
		8493	*Dodonaea platyptera*
		8495	*Ganophyllum falcatum*
	BURSERACEAE		
		1989	*Canarium australianum*
	ANACARDIACEAE		
		1968	*Blepharocarya depauperata*
		1694	*Buchanania arborescens*
		1607	*Buchanania obovata*
		1695	*Semecarpus australiensis*
	SIMAROUBACEAE		
		8532	*Brucea javanica*

Division	Family	Code	Species name
	MELIACEAE		
		2798	*Aglaia elaeagnoides*
		2799	*Dysoxylum oppositifolium*
		2802	*Owenia vernicosa*
		2803	*Vavaea amicorum*
		2804	*Vavaea australiana*
		2806	*Xylocarpus australasicus*
		2805	*Xylocarpus granatum*
	RUTACEAE		
		8467	*Boronia affinis*
		8468	*Boronia grandisepala*
		8469	*Boronia lanceolata*
		8470	*Boronia lanuginosa*
		8471	*Euodia elleryana*
		8473	*Glycosmis pentaphylla*
		8474	*Glycosmis trifoliata*
		8476	*Micromelum minutum*
		8477	*Murraya paniculata*
		8478	*Neobyrnesia suberosa*
		8475	*Paramignya trimera*
		8479	*Zanthoxylum parviflorum*
	ZYGOPHYLLACEAE		
		8699	*Tribulopis pentandra*
	ARALIACEAE		
		1836	*Mackinlaya macrosciadea*
		1838	*Polyscias australiana*
	APIACEAE		
		1534	*Hydrocotyle grammatocarpa*
		2664	*Platysace arnhemica*
		1709	*Trachymene didiscoides*
		1713	*Trachymene hispida*
	LOGANIACEAE		
		8380	*Fagraea racemosa*
		8559	*Mitrasacme alsinoides*
		8561	*Mitrasacme connata*
		8562	*Mitrasacme elata*
		8563	*Mitrasacme exserta*
		8564	*Mitrasacme indica*
		8566	*Mitrasacme longiflora*
		8569	*Mitrasacme pygmaea*
		8759	*Mitrasacme* spp.
		8570	*Mitrasacme stellata*
		8593	*Strychnos lucida*

Division	Family	Code	Species name
	APOCYNACEAE		
		1746	*Alstonia actinophylla*
		1751	*Alyxia ruscifolia*
		1752	*Alyxia spicata*
		1754	*Carissa lanceolata*
		1762	*Ervatamia orientalis*
		1764	*Ervatamia pubescens*
		1776	*Ichnocarpus frutescens*
		1791	*Parsonsia velutina*
		1793	*Wrightia pubescens*
		1794	*Wrightia saligna*
	ASCLEPIADACEAE		
		1883	*Calotropis procera**
		1887	*Cynanchum pedunculatum*
		8082	*Gymnanthera nitida*
		1890	*Gymnema muelleri*
		1894	*Hoya australis*
		1895	*Ischnostemma carnosum*
		2376	*Leichardtia australis*
		1899	*Marsdenia velutina*
		1900	*Marsdenia viridiflora*
		1902	*Microstemma tuberosum*
		1903	*Sarcostemma australe*
		1904	*Secamone elliptica*
		1905	*Tylophora crebriflora*
		1906	*Tylophora flexuosa*
	SOLANACEAE		
		8539	*Physalis minima**
		8541	*Solanum asymmetriphyllum*
		8543	*Solanum clarkiae*
		8546	*Solanum echinatum*
		8549	*Solanum melanospermum*
		8551	*Solanum quadriloculatum*
	CONVOLVULACEAE		
		2104	*Aniseia martinicensis*
		2105	*Bonamia brevifolia*
		2109	*Cressa cretica*
		2130	*Cuscuta victoriana*
		2110	*Dichondra repens*
		2111	*Evolvulus alsinoides*
		1860	*Ipomoea abrupta*
		1861	*Ipomoea aquatica*
		2115	*Ipomoea coptica*
		2116	*Ipomoea diversifolia*
		8780	*Ipomoea eriocarpa*
		2120	*Ipomoea gracilis*
		2121	*Ipomoea graminea*
		2131	*Ipomoea macrantha*
		2123	*Ipomoea pes-caprae*

Division / Family	Code	Species name
	1862	*Ipomoea polymorpha*
	2126	*Ipomoea quamoclit**
	2128	*Ipomoea triloba*
	2129	*Ipomoea tuba*
	2131	*Ipomoea velutina*
	2133	*Jacquemontia browniana*
	2134	*Jacquemontia paniculata*
	8781	*Jacquemontia* sp.
	2136	*Merremia dissecta**
	2138	*Merremia gemella*
	2140	*Merremia quinata*
	2141	*Merremia tridentata*
	2146	*Polymeria ambigua*
MENYANTHACEAE		
	2811	*Nymphoides crenata*
	2812	*Nymphoides furculifolia*
	1504	*Nymphoides hydrocharoides*
	1503	*Nymphoides indica*
	1877	*Nymphoides minima*
	1876	*Nymphoides parvifolia*
	2814	*Nymphoides planosperma*
	2816	*Nymphoides spongiosa*
BORAGINACEAE		
	1518	*Coldenia procumbens*
	8004	*Cordia dichotoma*
	8005	*Cordia subcordata*
	8006	*Ehretia saligna*
	1973	*Heliotropium bracteatum*
	1974	*Heliotropium carpentariae*
	2112	*Heliotropium crispatum*
	1976	*Heliotropium fasciculatum*
	1532	*Heliotropium indicum**
	1979	*Heliotropium paniculatum*
	1982	*Heliotropium tenuifolium*
	1983	*Heliotropium ventricosum*
	1984	*Messerschmidia argentia*
	1985	*Trichodesma zeylanicum*
VERBENACEAE		
	1963	*Avicennia marina*
	1964	*Avicennia officinalis*
	8656	*Callicarpa candicans*
	8658	*Clerodendrum floribundum*
	8659	*Clerodendrum holtzei*
	8660	*Clerodendrum inerme*
	8661	*Gmelina schlechteri*
	8662	*Huxleya linifolia*
	1529	*Phyla nodiflora*
	2056	*Pityrodia gilruthiana*
	2057	*Pityrodia jamesii*

Division / Family	Code	Species name
	2976	*Pityrodia* sp. 1
	2975	*Pityrodia* sp. 2
	8665	*Premna acuminata*
	8668	*Premna herbacea*
	8667	*Premna odorata*
	8666	*Premna serratifolia*
	8669	*Stachytarpheta urticifolia**
	8671	*Vitex acuminata*
	8672	*Vitex glabrata*
LAMIACEAE		
	2679	*Basilicum polystachyon*
	2674	*Coleus scutellarioides*
	1710	*Dysophylla stellata*
	2675	*Epimeredi salvifolius*
	2677	*Hyptis suaveolens**
OLEACEAE		
	8035	*Jasminum aemulum*
	8036	*Jasminum didymum*
	8037	*Jasminum molle*
	8040	*Notelaea microcarpa*
SCROPHULARIACEAE		
	8502	*Adenosma muelleri*
	8503	*Bacopa floribunda*
	8506	*Buchnera linearis*
	8510	*Centranthera cochinchinensis*
	8511	*Dopatrium* sp.
	8813	*Limnophila aromatica*
	8833	*Limnophila australis*
	1797	*Limnophila chinensis*
	1795	*Limnophila fragrans*
	1530	*Limnophila gratioloides*
	8514	*Lindernia lobelioides*
	8512	*Lindernia plantaginea*
	8513	*Lindernia mitrasacmoides*
	8516	*Lindernia scapigera*
	8517	*Lindernia* spp.
	8518	*Lindernia subulata*
	8520	*Microcarpaea minima*
	1863	*Mimulus debilis*
	1864	*Mimulus uvedaliae*
	8526	*Nelsonia brunellodes*
	8817	*Peplidium muelleri*
	8527	*Scoparia dulcis*
	8529	*Stemodia lythrifolia*
	8827	*Stemodia viscosa*
	8531	*Striga curviflora*

Division	Family	Code	Species name
	ACANTHACEAE		
		1509	*Acanthus ilicifolius*
		1576	*Dicliptera glabra*
		1577	*Dicliptera leonotus*
		1579	*Ebermaiera glauca*
		1580	*Hygrophila salicifolia*
		1582	*Hypoestes floribunda*
		1583	*Pseuderanthemum variabile*
		1641	*Ruellia tuberosa**
		8621	*Thunbergia arnhemica*
		8622	*Thunbergia grandiflora*
	PEDALIACEAE		
		8080	*Josephinia grandiflora*
		8081	*Sesamum indicum**
	BIGNONIACEAE		
		1966	*Dolichandrone filiformis*
	LENTIBULARIACEAE		
		1700	*Utricularia aurea*
		2695	*Utricularia chrysantha*
		1702	*Utricularia exoleta*
		1706	*Utricularia fulva*
		2701	*Utricularia involvens*
		1704	*Utricularia lasiocaulis*
		1705	*Utricularia leptoplectra*
		2705	*Utricularia limosa*
		1701	*Utricularia muelleri*
		2707	*Utricularia odorata*
		2710	*Utricularia* sp.
		1703	*Utricularia tubulata*
	SPHENOCLEACEAE		
		8558	*Sphenoclea zeylanica*
	CAMPANULACEAE		
		2013	*Lobelia dioica*
		2015	*Lobelia stenophylla*
		2016	*Wahlenbergia communis*
	STYLIDIACEAE		
		8594	*Stylidium alsinoides*
		8596	*Stylidium cordifolium*
		8600	*Stylidium fissilobium*
		8601	*Stylidium floodii*
		8603	*Stylidium irriguum*
		8604	*Stylidium leptorrhizum*
		8605	*Stylidium lobuliflorum*
		8608	*Stylidium multiscapum*
		8609	*Stylidium muscicola*

Division	Family	Code	Species name
		8610	*Stylidium pachyrhizum*
		8611	*Stylidium pedunculatum*
		8612	*Stylidium quadrifurcatum*
		8613	*Stylidium rotundifolium*
		8614	*Stylidium schizanthum*
		8618	*Stylidium uliginosum*
	GOODENIACEAE		
		2607	*Calogyne heppleana*
		1569	*Calogyne holtzeana*
		2608	*Calogyne neglecta*
		1568	*Calogyne pilosa*
		2610	*Calogyne purpurea*
		8807	*Dampiera cinerea*
		2613	*Dampiera conospermoides*
		2615	*Goodenia armstrongiana*
		2616	*Goodenia auriculata*
		2617	*Goodenia cirrifica*
		2618	*Goodenia gloeophylla*
		2619	*Goodenia hispida*
		2620	*Goodenia janamba*
		2621	*Goodenia lamprosperma*
		2622	*Goodenia leiosperma*
		2625	*Goodenia pumilio*
		2626	*Goodenia purpurascens*
		2633	*Lechenaultia filiformis*
		2634	*Scaevola angulata*
	RUBIACEAE		
		8428	*Aidia cochinchinensi*
		1584	*Borreria australiana*
		1585	*Borreria brachystema*
		1586	*Borreria breviflora*
		1588	*Borreria exserta*
		1591	*Borreria leptoloba*
		8431	*Borreria membranacea*
		1592	*Borreria multicaulis*
		8432	*Canthium* affin. *lucidum*
		8829	*Canthium attenuatum*
		8433	*Canthium lucidum*
		8435	*Coelospermum reticulatum*
		8436	*Dentella browniana*
		8437	*Dentella dioeca*
		8438	*Dentella repens*
		8440	*Gardenia edulis*
		8441	*Gardenia fucata*
		8442	*Gardenia keartlandii*
		1614	*Gardenia megasperma*
		8444	*Gardenia pyriformis*
		8445	*Gardenia resinosa*
		1633	*Gardenia* spp.
		8446	*Gardenia suffruticosa*

Division / Family	Code	Species name
	8447	*Guettarda speciosa*
	8448	*Hedyotis corymbosa*
	1850	*Hedyotis galioides*
	1536	*Hedyotis mitrasacmoides*
	8449	*Ixora klanderana*
	8450	*Ixora pentamera*
	8451	*Ixora timorensis*
	8452	*Ixora tomentosa*
	8453	*Knoxia stricta*
	8454	*Mitracarpus hirtus**
	8455	*Morinda citrifolia*
	8456	*Morinda jasminoides*
	8029	*Nauclea orientalis*
	8457	*Pavetta brownii*
	8816	*Pavetta granitica*
	8459	*Psychotria daphnoides*
	8460	*Psychotria nesophila*
	8465	*Tarenna dallachiana*
	8466	*Timonius timon*
ASTERACEAE		
	1909	*Acanthospermum hispidum**
	1951	*Acmella grandiflora*
	1910	*Adenostemma lavenia*
	1913	*Bidens bipinnata**
	1914	*Bidens pilosa**
	1915	*Blainvillea dubia*
	1916	*Blumea diffusa*
	1918	*Blumea integrifolia*
	1920	*Blumea mollis*
	1923	*Blumea saxatilis*
	1924	*Blumea tenella*
	1925	*Calotis breviseta*
	1522	*Centipeda minima*
	1851	*Eclipta prostrata*
	1930	*Elephantopus scaber*
	1931	*Emilia sonchifolia**
	1932	*Epaltes australis*
	1934	*Eurybiopsis macrorhiza*
	1939	*Moonia ecliptoides*
	1940	*Moonia procumbens*
	1941	*Phacellothrix cladochaeta*
	1942	*Pleurocarpaea denticulata*
	1943	*Pluchea indica*
	1944	*Pluchea rubelliflora*
	1947	*Pterocaulon sphacelatum*
	1949	*Sphaeranthus africanus*
	1954	*Synedrella nodiflora**
	1956	*Tridax procumbens**
	1957	*Vernonia cinerea*
	1749	*Vittadinia spechtii*

Division	Family	Code	Species name
		1960	*Wedelia biflora*
		1962	*Wedelia urticifolia*
	ALISMATACEAE		
		1516	*Caldesia oligococca*
	HYDROCHARITACEAE		
		1856	*Blyxa aubertii*
		1858	*Blyxa octandra*
		1502	*Hydrilla verticillata*
		1750	*Maidenia rubra*
		2662	*Vallisneria caulescens*
		2663	*Vallisneria spiralis*
	APONOGETONACEAE		
		1545	*Aponogeton elongatus*
	JUNCAGINACEAE		
		2673	*Triglochin procera*
	POTAMOGETONACEAE		
		8381	*Potamogeton javanicus*
	NAJADACEAE		
		8028	*Najas graminea*
		1511	*Najas tenuifolia*
	CYMODOCEACEAE		
		2159	*Halodule uninervis*
	ARECACEAE		
		2041	*Arenga australasica*
		1849	*Carpentaria acuminata*
		1853	*Gronophyllum ramsayi*
		1854	*Hydriastele wendlandiana*
		1859	*Livistona benthamii*
		1865	*Livistona humilis*
		1867	*Livistona inermis*
		2374	*Ptychosperma bleeseri*
	PANDANACEAE		
		1630	*Pandanus aquaticus*
		1813	*Pandanus basedowii*
		8074	*Pandanus spechtii*
		1812	*Pandanus spiralis*
	ARACEAE		
		1799	*Amorphophallus glabra*
		1800	*Amorphophallus paeoniifolius*
		1815	*Colocasia esculenta*
		1816	*Pistia stratiotes*
		1819	*Raphidophora australasica*

Division	Family	Code	Species name
		1818	*Remusatia vivipara*
		1828	*Typhonium angustilobum*
		1829	*Typhonium* sp.
	LEMNACEAE		
		1521	*Lemna aequinoctialis*
		1870	*Lemna tenera*
		2689	*Spirodela polyrhiza*
		2690	*Wolffia globosa*
	XYRIDACEAE		
		8691	*Xyris complanata*
		8692	*Xyris indica*
		8695	*Xyris pauciflora*
	COMMELINACEAE		
		2096	*Aneilema siliculosum*
		1820	*Cartonema parvifolium*
		1821	*Cartonema spicatum*
		1824	*Cartonema* spp.
		2025	*Cartonema tenue*
		2097	*Commelina ensifolia*
		2098	*Commelina lanceolata*
		1792	*Cyanotis axillaris*
		2100	*Murdannia gigantea*
		2101	*Murdannia graminea*
		2102	*Murdannia* sp.
		2103	*Murdannia vaginata*
	ERIOCAULACEAE		
		2346	*Eriocaulon australe*
		1840	*Eriocaulon cinereum*
		1841	*Eriocaulon heterogynum*
		1843	*Eriocaulon setaceum*
		1844	*Eriocaulon spectabile*
		1847	*Eriocaulon* spp.
	FLAGELLARIACEAE		
		2603	*Flagellaria indica*
	RESTIONACEAE		
		8405	*Leptocarpus elatior*
		8407	*Leptocarpus schultzii*
		8408	*Leptocarpus spathaceus*
	CENTROLEPIDACEAE		
		2046	*Centrolepis exserta*
		8798	*Trithuria* sp.

Division	Family	Code	Species name
	CYPERACEAE		
		2162	*Arthostylis aphylla*
		2277	*Baumea rubiginosa*
		2164	*Bulbostylis barbata*
		2166	*Crosslandia setifolia*
		2168	*Cyperus alopecuroides*
		1716	*Cyperus aquatilis*
		2172	*Cyperus breviculmis*
		1717	*Cyperus brevifolius*
		1718	*Cyperus castaneus*
		2175	*Cyperus compactus*
		1720	*Cyperus compressus*
		1719	*Cyperus conicus*
		1721	*Cyperus cuspidatus*
		2178	*Cyperus decompositus*
		2179	*Cyperus difformis*
		2180	*Cyperus diffusus*
		2181	*Cyperus digitatus*
		1722	*Cyperus haspan*
		2185	*Cyperus iria*
		1723	*Cyperus javanicus*
		2187	*Cyperus macrostachyos*
		1724	*Cyperus nervulosus*
		1868	*Cyperus nutans*
		1725	*Cyperus paniceus*
		2195	*Cyperus platystylis*
		2196	*Cyperus polystachyos*
		2197	*Cyperus portae-tartari*
		2198	*Cyperus procerus*
		1726	*Cyperus pulchellus*
		2202	*Cyperus scariosus*
		1727	*Cyperus sesquiflorus*
		1728	*Cyperus tenuiculmis*
		2208	*Cyperus tenuispica*
		8830	*Cyperus zollingeri*
		2213	*Eleocharis brassii*
		2214	*Eleocharis caespitosissima*
		1878	*Eleocharis dulcis*
		2222	*Eleocharis ochrostachys*
		1879	*Eleocharis sphacelata*
		2022	*Eleocharis sundaicia*
		1771	*Fimbristylis acicularis*
		1772	*Fimbristylis acuminata*
		1773	*Fimbristylis aestivalis*
		1774	*Fimbristylis arthrostyloides*
		2226	*Fimbristylis bisumbellata*
		2230	*Fimbristylis cinnamometorum*
		1770	*Fimbristylis clavata*
		1775	*Fimbristylis densa*
		1520	*Fimbristylis denudata*
		2234	*Fimbristylis depauperata*
		2235	*Fimbristylis dichotoma*

Division / Family	Code	Species name
	2236	*Fimbristylis dictyocolea*
	1777	*Fimbristylis dipsacea*
	2240	*Fimbristylis furva*
	2242	*Fimbristylis lanceolata*
	1778	*Fimbristylis littoralis*
	1779	*Fimbristylis macassarensis*
	1780	*Fimbristylis macrantha*
	2243	*Fimbristylis miliacea*
	1781	*Fimbristylis modesta*
	2245	*Fimbristylis nutans*
	2249	*Fimbristylis oxystachya*
	2250	*Fimbristylis pachyptera*
	1782	*Fimbristylis pauciflora*
	2023	*Fimbristylis phaeoleuca*
	2252	*Fimbristylis pilifera*
	2253	*Fimbristylis polytrichoides*
	2254	*Fimbristylis pterygosperma*
	1783	*Fimbristylis punctata*
	2257	*Fimbristylis recta*
	2259	*Fimbristylis schultzii*
	1784	*Fimbristylis simplex*
	2024	*Fimbristylis solidifolia*
	2215	*Fimbristylis sphaerocephala*
	1788	*Fimbristylis subaristata*
	2267	*Fimbristylis tetragona*
	1785	*Fimbristylis trachycarya*
	1786	*Fimbristylis trigastrocarya*
	8831	*Fimbristylis tristachya*
	2270	*Fimbristylis xyridis*
	2271	*Fuirena ciliaris*
	2272	*Fuirena umbellata*
	2273	*Hymenochaeta grossa*
	2217	*Isolepis australiensis*
	2275	*Lepironia articulata*
	1535	*Lipocarpha microcephala*
	1738	*Rhynchospora heterochaeta*
	2280	*Rhynchospora longisetis*
	2283	*Rhynchospora rubra*
	2285	*Schoenoplectus articulatus*
	2292	*Schoenus punctatus*
	2293	*Schoenus sparteus*
	2294	*Scleria brownii*
	2296	*Scleria ciliaris*
	2298	*Scleria levis*
	2301	*Scleria novae-hollandiae*
	2302	*Scleria poaeformis*
	2303	*Scleria polycarpa*
	2305	*Scleria pygmaea*
	2306	*Scleria rugosa*
	2311	*Scleria tricuspidata*
	2313	*Tricostularia undulata*

Division / Family	Code	Species name
POACEAE		
	8093	*Alloteropsis semialata*
	1753	*Andropogon gayanus**
	8094	*Aristida browniana*
	8098	*Aristida hirta*
	8100	*Aristida hygrometrica*
	8103	*Aristida macroclada*
	8111	*Aristida superpendens*
	8693	*Axonopus compressus**
	8117	*Bambusa arnhemica*
	8118	*Bothriochloa bladhii*
	8123	*Brachiaria holosericea*
	8124	*Brachiaria miliiformis*
	1817	*Brachiaria mutica**
	8126	*Brachiaria polyphylla*
	8127	*Brachiaria pubigera*
	8128	*Brachiaria reptans*
	8129	*Brachyachne convergens*
	8131	*Capillipedium parviflorum*
	8132	*Capillipedium spicigerum*
	8133	*Cenchrus ciliaris**
	1875	*Cenchrus echinatus**
	8134	*Cenchrus elymoides*
	8137	*Chamaeraphis hordeacea*
	8139	*Chloris barbata**
	8141	*Chloris gayana**
	8144	*Chloris pilosa*
	8147	*Chrysopogon fallax*
	8148	*Chrysopogon latifolius*
	8149	*Chrysopogon pallidus*
	8150	*Chrysopogon setifolius*
	8152	*Coelorhachis rottboellioides*
	8153	*Cymbopogon ambiguus*
	8154	*Cymbopogon bombycinus*
	8156	*Cymbopogon procerus*
	8157	*Cymbopogon refractus*
	8158	*Cynodon arcuatus**
	8159	*Cynodon dactylon**
	8160	*Dactyloctenium aegyptium**
	8164	*Dichanthium fecundum*
	8166	*Dichanthium tenuiculum*
	8167	*Digitaria bicornis**
	8168	*Digitaria brownii*
	8171	*Digitaria curvipes*
	8172	*Digitaria gibbosa*
	8173	*Digitaria longiflora*
	8179	*Dimeria acinaciformis*
	8180	*Dimeria orthinopoda*
	8181	*Diplachne parviflora*
	8182	*Echinochloa colona**?
	8183	*Echinochloa elliptica*
	1731	*Ectrosia agrostoides*

Division Family	Code	Species name
	1730	*Ectrosia leporina*
	1732	*Ectrosia shultzii*
	8188	*Eleusine indica**
	8189	*Elionuris citreus*
	8190	*Elytrophorus spicatus*
	8193	*Enneapogon pallidus*
	8195	*Enneapogon polyphyllus*
	8197	*Eragrostis brownii*
	1566	*Eragrostis* cf. *tenellula*
	1561	*Eragrostis cumingii*
	1562	*Eragrostis oblongata*
	1563	*Eragrostis schultzii*
	1565	*Eragrostis* spp.
	1564	*Eragrostis tenax*
	8210	*Eragrostis tenella*
	8211	*Eragrostis tenellula*
	8212	*Eriachne agrostidea*
	1741	*Eriachne avenacea*
	8214	*Eriachne basedowii*
	8215	*Eriachne bleeseri*
	1742	*Eriachne burkittii*
	8216	*Eriachne capillaris*
	2968	*Eriachne* cf. *mucronata*
	8217	*Eriachne ciliata*
	8218	*Eriachne filiformis*
	1743	*Eriachne melicacea*
	8808	*Eriachne mucronata*
	8222	*Eriachne obtusa*
	8223	*Eriachne pallescens*
	1745	*Eriachne shultziana*
	1748	*Eriachne* spp.
	8225	*Eriachne squarrosa*
	8227	*Eriachne sulcata*
	1744	*Eriachne triseta*
	8229	*Eriochloa crebra*
	8230	*Eriochloa procera*
	8232	*Eulalia fulva*
	1763	*Eulalia leschenaultiana*
	8233	*Eulalia mackinlayi*
	8236	*Germainia grandiflora*
	8312	*Germainia truncatiglume*
	8238	*Heterachne abortiva*
	8239	*Heterachne gulliveri*
	8240	*Heteropogon contortus*
	8241	*Heteropogon triticeus*
	1540	*Hygrochloa aquatica*
	8242	*Hygrochloa cravenii*
	1513	*Hymenachne acutiglumа*
	8243	*Imperata cylindrica*
	8824	*Isachne confusa*
	8245	*Isachne pulchella*
	8246	*Ischaemum arindinaceum*

Division Family	Code	Species name
	8247	*Ischaemum decumbens*
	8249	*Ischaemum rugosum*
	8256	*Leersia hexandra*
	8260	*Micraira adamsii*
	8261	*Micraira compacta*
	8262	*Micraira dentata*
	8263	*Micraira pungens*
	8264	*Micraira spinifera*
	8265	*Micraira subspicata*
	8266	*Micraira tenuis*
	8267	*Microchloa indica*
	8269	*Oplismenus burmannii*
	8815	*Oryza australiensis*
	1514	*Oryza meridionalis*
	8275	*Panicum decompositum*
	1559	*Panicum mindanaense*
	1557	*Panicum paludosum*
	1555	*Panicum trachyrhachis*
	8282	*Panicum trichoides*
	8284	*Paspalidium distans*
	8286	*Paspalidium rarum*
	1790	*Paspalum scrobiculatum*
	8292	*Pennisetum pedicellatum**
	8293	*Pennisetum polystachion**
	8294	*Perotis rara*
	8295	*Pheidochloa gracilis*
	8296	*Phragmites karka*
	8298	*Plectrachne pungens*
	8299	*Pseudopogonatherum collinum*
	8300	*Pseudopogonatherum contortum*
	8301	*Pseudopogonatherum irritans*
	1501	*Pseudoraphis spinescens*
	8302	*Rhynchelytrum repens**
	8303	*Rottboellia exaltata*
	8304	*Rottboellia formosa*
	8305	*Sacciolepis indica*
	8306	*Sacciolepis myosuroides*
	1768	*Schizachyrium fragile*
	8313	*Sehima nervosum*
	8314	*Setaria apiculata*
	8317	*Setaria surgens*
	8320	*Sorghum australiense*
	8323	*Sorghum intrans*
	8324	*Sorghum laxiflorum*
	8326	*Sorghum plumosum*
	2970	*Sorghum* sp.
	8327	*Sorghum stipoideum*
	8331	*Sporobolus australasicus*
	8333	*Sporobolus pulchellus*
	8334	*Sporobolus virginicus*
	8335	*Symplectrodia lanosa*

Division	Family	Code	Species name
		8336	*Thaumastochloa major*
		8337	*Thaumastochloa pubescens*
		8338	*Thaumastochloa rariflora*
		8340	*Themeda arguens*
		8341	*Themeda australis*
		8825	*Themeda avenacea*
		8342	*Themeda quadrivalvis**
		8344	*Triodia microstachya*
		8345	*Triodia plectrachnoides*
		8346	*Triodia procera*
		8821	*Triodia pungens*
		8349	*Urochloa mosambicensis**
		1766	*Vetiveria elongata*
		1765	*Vetiveria pauciflora*
		8351	*Whiteochloa airoides*
		1567	*Whiteochloa capillipes*
		8352	*Whiteochloa multiciliata*
		8353	*Whiteochloa semitonsa*
		8355	*Xerochloa imberbis*
		8276	*Yakirra majuscula*
		8279	*Yakirra pauciflora*
	TYPHACEAE		
		8650	*Typha domingensis*
	ZINGIBERACEAE		
		8696	*Curcuma australasica*
	PHILYDRACEAE		
		8083	*Philydrum lanuginosum*
	PONTEDERIACEAE		
		8374	*Monochoria cyanea*
		8375	*Monochoria vaginalis*
	HAEMODORACEAE		
		2639	*Haemodorum brevicaule*
		2640	*Haemodorum coccineum*
		2641	*Haemodorum corymbosum*
		2642	*Haemodorum leptostachyum*
		2643	*Haemodorum parviflorum*
	LILIACEAE		
		2713	*Asparagus racemosus*
		2714	*Caesia lateriflora*
		2715	*Caesia setifera*
		2716	*Chlorophytum laxum*
		8766	*Crinum asiaticum*
		8767	*Crinum uniflorum*
		2718	*Dianella caerulea*
		2668	*Hypoxis* affin. *hygrometrica*
		2667	*Hypoxis marginata*

Division	Family	Code	Species name
		2720	*Iphigenia indica*
		2721	*Sowerbaea alliacea*
		2722	*Thysanotus banksii*
		2723	*Thysanotus chinensis*
		8768	*Wurmbea* sp. affin. *centralis*
	IRIDACEAE		
		2669	*Patersonia macrantha*
	AGAVACEAE		
		1644	*Dracaena angustifolia*
	XANTHORRHOEACEAE		
		8763	*Lomandra* sp. 1
		8764	*Lomandra* sp. 2
		8765	*Lomandra* sp. 3
		8690	*Lomandra tropica*
	TACCACEAE		
		8620	*Tacca leontopetaloides*
	STEMONACEAE		
		8572	*Stemona* sp.
	SMILACEAE		
		8534	*Smilax australis*
	DIOSCOREACEAE		
		8001	*Dioscorea bulbifera*
		8002	*Dioscorea transversa*
	BURMANNIACEAE		
		1986	*Burmannia coelestis*
		1987	*Burmannia juncea*
	ORCHIDACEAE		
		8044	*Arthrochilus byrnesii*
		8045	*Arthrochilus irritablis*
		8047	*Calochilus* sp.
		8048	*Cymbidium canaliculatum*
		8049	*Dendrobium canaliculatum*
		8050	*Dendrobium dicuphum*
		8051	*Dendrobium lobbii*
		8052	*Dipodium stenochilum*
		8054	*Geodorum densiflorum*
		8057	*Habenaria ferdinandi*
		8058	*Habenaria holtzei*
		8061	*Habenaria ochroleuca*
		8065	*Nervilia holochila*

APPENDIX 2

Index to genera in the list of vascular plants

SUPERVISING SCIENTIST FOR THE ALLIGATOR RIVERS REGION

RESEARCH PUBLICATIONS

Alligator Rivers Region Research Institute Research Report 1983-84

Alligator Rivers Region Research Institute Annual Research Summary 1984-85

Research Reports (RR) and Technical Memoranda (TM)

RR 1	The macroinvertebrates of Magela Creek, Northern Territory. April 1982 (pb, mf - 46 pp)	Marchant, R.
RR 2	Water quality characteristics of eight billabongs in the Magela Creek catchment. December 1982 (pb, mf - 60 pp)	Hart, B.T. & McGregor, R.J.
RR 3	A limnological survey of the Alligator Rivers Region. I. Diatoms (Bacillariophyceae) of the Region. August 1983 (pb, mf - 160 pp)	Thomas, D.P.
	A limnological survey of the Alligator Rivers Reion. II. Freshwater algae, exclusive of diatoms. 1986 (pb - 176 pp)	Ling, H.U. & Tyler, P.A.
TM 1	Transport of trace metals in the Magela Creek system, Northern Territory. I. Concentrations and loads of iron, manganese, cadmium, copper, lead and zinc during flood periods in the 1978-1979 Wet season. December 1981 (pb - 27 pp)	Hart, B.T., Davies, S.H.R. & Thomas, P.A.
TM 2	Transport of trace metals in the Magela Creek system, Northern Territory. II. Trace metals in the Magela Creek billabongs at the end of the 1978 Dry season. December 1981 (pb - 23 pp)	Davies, S.H.R. & Hart, B.T.
TM 3	Transport of trace metals in the Magela Creek system, Northern Territory. III. Billabong sediments. December 1981 (pb - 24 pp)	Thomas, P.A., Davies, S.H.R. & Hart, B.T.
TM 4	The foraging behaviour of herons and egrets on the Magela Creek flood plain, Northern Territory. March 1982 (pb, mf - 20 pp)	Recher, H.F. & Holmes, R.T.
TM 5	Flocculation of retention pond water. May 1982 (pb, mf - 8 pp)	Hart, B.T. & McGregor, R.J.
TM 6	Dietary pathways through lizards of the Alligator Rivers Region Northern Territory. July 1984 (pb, mf - 15 pp)	James, C.D., Morton, S.R., Braithwaite, R.W. & Wombey, J.C.
TM 7	Capacity of waters in the Magela Creek system, Northern Territory, to complex copper and cadmium. August 1984 (pb, mf - 42 pp)	Hart, B.T. & Davies, S.H.R.
TM 8	Acute toxicity of copper and zinc to three fish species from the Alligator Rivers Region. August 1984 (pb, mf - 31 pp)	Baker, L. & Walden, D.
TM 9	Textural characteristics and heavy metal concentrations in billabong sediments from the Magela Creek system, northern Australia. October 1984. (pb, mf - 39 pp)	Thomas, P.A. & Hart, B.T.
TM 10	Oxidation of manganese(II) in Island Billabong water. October 1984 (pb, mf - 11 pp)	Hart, B.T. & Jones, M.J.
TM 11	In situ experiments to determine the uptake of copper by the aquatic macrophyte Najas tenuifolia R.Br. December 1984 (pb, mf, - 13 pp)	Hart, B.T., Jones, M.J. & Breen, P.
TM 12	Use of plastic enclosures in determining the effects of heavy metals added to Gulungul Billabong. January 1985 (pb, mf - 25 pp)	Hart, B.T., Jones, M.J. & Bek, P.
TM 13	Fate of heavy metals in the Magela Creek system, northern Australia. I. Experiments with plastic enclosures placed in Island Billabong during the 1980 Dry Season: heavy metals. May 1985 (pb, mf - 46 pp)	Hart, B.T., Jones, M.J. & Bek, P.
TM 14	Fate of heavy metals in the Magela Creek system, northern Australia. II. Experiments with plastic enclosures placed in Island Billabong during the 1980 Dry season: limnology and phytoplankton. May 1985 (pb - 32 pp)	Hart, B.T., Jones, M.J., Bek, P. & Kessell, J.

pb = available as paperback; mf = available as microfiche

TM 15	Use of fluorometric dye tracing to simulate dispersion of discharge from a mine site. A study of the Magela Creek system, March 1978. January 1986 (pb, mf - 51 pp)	Smith, D.I., Young P.C. & Goldberg R.J.
TM16	Diets and abundances of aquatic and semi-aquatic reptiles in the Alligator Rivers Region. July 1986 (pb - 57 pp)	Shine, R.

pb = available as paperback; mf = available as microfiche