

Report on the Vegetation of the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

1.0 Introduction

The area covered by this report is described as the proposed Lot 1 on SP144713; Parish of Alexandra; being an unregistered plan prepared by the C & B Group for the Douglas Shire Council. This proposed Lot has an area of 1.394 hectares and consists of the Flame Tree Road Reserve and part of a USL, which is a small portion of the bed of Cooper Creek. It is proposed that the Flame Tree Road Reserve and part of the USL be transferred to enable the creation of a Cultural, Environmental and Recreation Reserve to be managed in Trust by the Douglas Shire Council.

The proposed Cultural, Environmental and Recreation Reserve will have an area of 1.394 hectares and will if the plan is registered become Lot 1 of SP144713; Parish of Alexandra; County of Solander. It is proposed that three Easements A, B & C over the proposed Lot 1 of SP144713 be created in favour of Lot 180 RP739774, Lot 236 RP740951, Lot 52 of SR537 and Lot 51 SR767 as per the unregistered plan SP 144715 prepared by the C & B Group for the Douglas Shire Council.

2.0 Trustee Details

Douglas Shire Council 64-66 Front Street Mossman
PO Box 357 Mossman, Qld, 4873
Phone: (07) 4099 9444
Fax: (07) 4098 2902
Email: douglas@dsc.qld.gov.au
Internet: www.dsc.qld.gov.au

3.0 Description of the Subject Land

The "Blue Hole" is a local name for a small pool in a section of Cooper Creek. The vegetation on the site consists of a very narrow strip along either side of the proposed Easement A of the proposed SP144715. This narrow strip is in places up to fourteen metres in width but is non-existent along sections of the proposed easement when it abuts Lot 180 RP739774. The small triangular portion at the north-eastern section of the proposed reserve contains a small area of riparian vegetation on a small alluvial flat subject to inundation during high flood flows, a small section of steep embankment and a small area of more elevated land, all of which is covered in thick rainforest.

4.0 Vegetation

Douglas Shire Council Environmental Officers Mr. Bob Jago and Mr. Greg Keith carried out an inspection of the vegetation of the subject land on the 17th of May 2005. Some 285 taxa in some 96 vascular plant families were observed with 23 being introduced exotic species, some of which could be regarded as truly naturalised while others are more in realm of garden escapees. One species listed as Vulnerable in the Schedule of the *Nature Conservation (Wildlife) 1994* was observed and recorded along with 11 species listed as Rare. A full checklist of all vascular plant taxa observed on the subject land is attached as Appendix 1.

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

The vegetation present on the proposed reserve fits the type mapped by Stanton and Stanton as Type 1a. and RE 7.3.10. The Queensland Herbarium has however mapped the following Regional Ecosystems as occurring on the proposed reserve.

RE 7.11.1 Mesophyll vine forest of the very wet and wet lowlands and foothill on xanthozems and red yellow podsolic soils of metamorphic origin. This RE is mapped as occurring along the boundary of Lot 180 and the proposed reserve. This RE is Not of Concern.

RE 7.3.10 Complex mesophyll vine forest of the very wet and wet lowlands on fertile riverine alluvia. This RE is Endangered.

RE 7.3.17 Complex mesophyll vine forest on moderately sloping piedmont fans on well drained sandy clay loam and sandy light clay (often with a large gravel component). This RE is Not of Concern

RE 7.3.4 Mesophyll vine forest dominated by the fan palm *Licuala ramsayi* of the very wet lowlands and lower foothills on humic grey alluvial soils with seasonally impeded drainage derived from metamorphic and granitic parent material. This RE is Endangered.

The recent vegetation mapping of Stanton & Stanton for the Thornton Peak Sheet, Wet Tropics Management Authority, maps the vegetation of the proposed reserve as A 1a x(h), which translates to Type 1a Complex Mesophyll Vine Forest on transported alluvium from river channel, overflow and slope wash. The x(h) indicated that the structure has been highly altered by disturbance.

The soils on the proposed reserve are mapped by Murtha as belonging to the Tully Series a well drained soil formed from alluvium, being a dark grayish brown silty clay loam A horizon; yellowish brown silty clay loam to light clay B horizon with moderate fine blocky structure; may grade to fine sandy sediments from 90cm.

4.1.1 Vegetation of Section 1 Flame Tree Road

This section contains all vegetation on the Flame Tree Road Reserve to the west of the high bank of Cooper Creek and thus excludes the vegetation of the riparian zone of the creek and that of the alluvial flood prone terrace. Some 234 species of vascular plants in 83 families were observed in this section. The occurrence of plant species listed in the Schedule of the *Nature Conservation (Wildlife) Regulation 1994* was recorded, as was the occurrence of significant trees. A full checklist of vascular plants observed in Section 1 is attached as Appendix 2.

3.1.2 Rare and Threatened Species Observed in Section 1

R	<i>Austromeullera trinervia</i>	6 specimens
R	<i>Endiandra microneura</i>	3 specimens
R	<i>Haplostichanthus sp.</i> (Coopers Creek)	Too numerous to count approx 100 - 500
R	<i>Macaranga polyadenia</i>	4 specimens
R	<i>Mesua larnachiana</i>	3 specimens
R	<i>Rourea brachyandra</i>	1 specimen
R	<i>Ryparosa javanica</i>	6 specimen

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

R	<i>Strongylodon lucidus</i>	1 specimen
R	<i>Waterhousea mulgraveana</i>	1 specimen

4.1.2 Significant Trees in Section 1

	Height (approx)	D.B.H.	Conservation Status
<i>Athertonia diversifolia</i>	20m	80cm	Common
<i>Athertonia diversifolia</i>	20m	80cm	Common
<i>Austromeuclera trinervia</i>	25 – 30 m	30cm	Rare
<i>Austromeuclera trinervia</i>	25 – 30 m	25cm	Rare
<i>Austromeuclera trinervia</i>	25m	20cm	Rare
<i>Cardwellia sublimis</i>	30m	100cm	Common
<i>Cryptocarya oblata</i>	35m	120cm	Common
<i>Endiandra microneura</i>	30 – 35 m	100cm	Rare
<i>Endiandra microneura</i>	25 – 30 m	80cm	Rare
<i>Endospermum myrmecophilum</i>	40m	80cm	Common
<i>Lepidozamia hopei</i>	10m	40cm	Common
<i>Sloanea langii</i>	30 – 35 m	100cm	Common
<i>Syzygium gustavioides</i>	25m	120cm	Common
<i>Syzygium gustavioides</i>	30m	120cm	Common
<i>Ryparosa javanica</i>	15m	20cm	Common
<i>Ryparosa javanica</i>	10m	15cm	Common

4.1.4 Environmental Weeds in Section 1

The introduced weed species present within this section of the proposed reserve fall into two groups. Group A consists of common widespread introduced species that are weeds of disturbed land and roadsides that do not pose any serious risk to intact lowland rainforest ecosystems. Group B consists of introduced species that are often cultivated for their edible fruit or cultivated as garden ornamentals. The members of this latter group while more in the realm of garden or escapees from cultivation have the potential to become serious environmental weeds. Fortunately all members of this group occur in low numbers and their eradication from the reserve is highly desirable and easily achievable.

4.1.5 Group “A” Weeds

Ageratum conyzoides This species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Axonopus fissifolius this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Cyperus aromaticus this species is common in the cleared and degraded areas of the proposed reserve. This species can often form large populations along creeks in rainforest.

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

Desmodium heterophyllum this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Hyptis capitata this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Mimosa pudica this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadside and disturbed areas.

Megathyrsus maximus var. maximus this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadside and disturbed areas.

Mitracarpus hirtus this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Passiflora edulis this species occurs along the edge of the rainforest but is not invasive of intact lowland rainforests. It is unknown if visitors or an unknown species of animal is responsible for the dispersal of the seeds of this species.

Paspalum conjugatum this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadside and disturbed areas.

Sida rhombifolia this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Synedrella nodiflora this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Stachytarpheta cayennensis this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

Urena lobata this species is common in the cleared and degraded areas of the proposed reserve. This species is not invasive of intact lowland rainforest ecosystems and favours roadsides and disturbed areas.

4.1.6 Group “B” Weeds

Artocarpus heterophyllus this species has the potential to become an environmental weed. It is unknown if visitors or an unknown species of animal is responsible for the dispersal of the seed of this species. This species occurs as a few scattered small trees.

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

Costus sp. This species is invasive of intact lowland rainforest ecosystems and has the potential to become a serious environmental weed. This species occurs as scattered small specimens.

Heliconia psittacorum this species is common in the Turpentine Road Reserve and is also present within the proposed Blue Hole Cultural, Environmental and Recreation Reserve. This species is invasive of intact lowland rainforest ecosystems and has the potential to become a very serious environmental weed. This species is represented by only a few scattered specimens near the junction of Flame Tree and Turpentine Roads.

?*Neoregelia sp.* this species has the potential to become an environmental weed. The presence of this species in the proposed reserve is most likely due to the dumping of garden refuse. This species is represented by a single specimen.

Nephelium lappaceum specimens of this species occurs as a few scattered seedlings or small saplings. It is unknown if visitors or an unknown species of animal is responsible for the dispersal of the seeds of this species.

Persea americana this species is represented by a few seedlings and one small tree. It is unknown if visitors or an unknown species of animal is responsible for the dispersal of the seed of this species.

4.2.1 Vegetation of Section 2 Cooper Creek

This section contains all vegetation on the Flame Tree Road Reserve to the east of the high bank of Cooper Creek and covers the vegetation of the riparian zone of the creek and that of the alluvial flood prone terrace. Some 166 species of vascular plants in 75 families were observed in this section. The occurrence of plant species listed in the Schedule of the *Nature Conservation (Wildlife) Regulation 1994* was recorded as was as the occurrence of significant trees. A full checklist of vascular plants observed in Section 2 is attached as Appendix 3.

4.2.2 Rare & Threatened Species Observed in Section 2

R	<i>Cleistanthus myrianthus</i>	Several specimens
R	<i>Endiandra microneura</i>	Numerous specimens
R	<i>Haplostichanthus sp.</i> (Coopers Creek)	Too numerous to count
R	<i>Huperzia phlegmaria</i>	Several specimens
V	<i>Huperzia phlegmarioides</i>	Several specimens
R	<i>Macaranga polyadenia</i>	Numerous seedlings
R	<i>Mesua larnachiana</i>	Numerous seedlings
R	<i>Rourea brachyandra</i>	Several specimens
R	<i>Ryparosa javanica</i>	1 specimens
R	<i>Waterhousea mulgraveana</i>	Numerous specimens

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

4.2.3 Significant Trees in Section 2

	Height (approx)	D.B.H.	Conservation Status
<i>Cananga odorata</i>	40m	100cm	Common
<i>Cananga odorata</i>	35m	80cm	Common
<i>Cerbera floribunda</i>	20m	80cm	Common
<i>Dysoxylum pettigrewianum</i>	25m	180cm	Common
<i>Dysoxylum pettigrewianum</i>	25m	100cm	Common
<i>Dysoxylum pettigrewianum</i>	35m	100cm	Common
<i>Dysoxylum pettigrewianum</i>	30 -35m	120cm	Common
<i>Dysoxylum pettigrewianum</i>	30m	100cm	Common
<i>Dysoxylum pettigrewianum</i>	40m	120cm	Common
<i>Ficus variegata</i>	20m	80cm	Common
<i>Ficus variegata</i>	35m	20cm	Common
<i>Ficus variegata</i>	35m	120cm	Common
<i>Ficus variegata</i>	20m	100cm	Common
<i>Geissois biagiana</i>	20m	60cm	Common
<i>Idiospermum australiense</i>	25m	50cm	Common
<i>Palaquium galactoxylon</i>	35m	60cm	Common
<i>Pouteria obovoidea</i>	35m	80cm	Common
<i>Pisonia umbellifera</i>	25m	40/30cm	Common
<i>Pisonia umbellifera</i>	35m	80cm	Common
<i>Pisonia umbellifera</i>	20m	60cm	Common
<i>Ristantia pachysperma</i>	25m	100cm	Common
<i>Ristantia pachysperma</i>	30m	140cm	Common
<i>Ristantia pachysperma</i>	30m	100cm	Common
<i>Ristantia pachysperma</i>	40m	200cm	Common
<i>Ristantia pachysperma</i>	30m	180cm	Common
<i>Ryparosa javanica</i>	30m	60cm	Rare
<i>Terminalia seriocarpa</i>	35m	100cm	Common
<i>Terminalia seriocarpa</i>	35m	120cm	Common

4.2.4 Environmental Weed in Section 2

This section of the proposed reserve is relatively free from introduced weed species and those present are represented by only a few individuals.

Ageratum conyzoides This species is represented by a small number of specimens that have become established along the existing road through the riparian area and along the bank of the creek.

Elephantopus mollis This species is represented by a small number of specimens that have become established along the existing road through the riparian area.

Nephelium lappaceum This species is represented by a few seedlings and small saplings. It is not know if the seed is spread by visitors or by an unknown animal vector.

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

Stachytarpheta cayennensis This species is represented by a small number of specimens that have become established along the existing road through the riparian area.

Tristemma mauritianum This species is represented by a small number of specimens that have become established in areas that have been highly disturbed by feral pigs.

5 Environmental Damage

Plants that grow in riparian areas and on adjacent alluvial flats subject to flood flow inundation must by the very nature of the environment in which they grow be capable of absorbing a high degree of physical damage. The exposure of roots, the undercutting of stream banks and the stripping of topsoil is a natural process of fluvial and stream geomorphology. It is natural that both the geomorphic and the biological condition of any given section of the creek will fluctuate even in the most pristine of environments.

Feral Pigs *Sus scrofa* and unrestricted visitor use of this area continue to impact on the integrity of the riparian area. The trampling of seedlings and other forms of ground cover has to some extent increased what is a natural process of flood flow stripping of soil from the alluvial flat behind the riparian area. Compaction of soil and the scuffing of surface roots are also having an impact on the integrity of the area. The exposure and scuffing of surface roots is more visual than actual environmental harm although such damage can increase the exposure of roots to infection by plant pathogens.

5.1.1 Damage Caused by Feral Pigs

Feral Pigs *Sus scrofa* are by far the most serious perpetrators of environmental damage to the riparian area of the proposed reserve. Large areas of the alluvial flat behind the riparian area have been worked over. This digging and loosening of soil by feral pigs greatly contributes to erosion and loss of topsoil.

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve



Damage caused by Feral Pigs *Sus scrofa*



Damage caused by Feral Pigs *Sus scrofa*

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

4.2 Damage Caused by Recreational Use

On the right bank of the creek at the “Blue Hole” there is an area of approximately ten square metres relatively devoid of seedlings or ground covers that has been compacted from recreational use. The trampling of seedlings and ground covers along the track leading from the informal car parking area in the riparian zone to the swimming hole has accelerated the natural process of flood flow stripping of this area. This had led to the exposure of roots and the compaction of soils. This track is approximately one metre wide and is clearly defined. The recreational use of the “Blue Hole” for swimming has also had a marginal impact on stream bank stability due to the damage caused to riparian vegetation.



Erosion and compaction caused by recreational use. Note exposed roots



Access track and compacted area.

6 Conclusions

The major cause of environmental harm to the riparian area of the proposed reserve and to the entire catchment of the creek is caused by feral pigs. The damage caused by recreational use of this section of Cooper Creek is confined to a very small area of the catchment whereas the damage caused by feral pigs extends throughout all but the most inaccessible parts of the catchment. The presence of environmental weeds not only in the proposed reserve but throughout the entire catchment is also of concern.

None of the several plant species endemic to the Cooper Creek catchment or any species of exceptional rarity for which the Cooper Creek area is noted, were observed within the confines of the proposed reserve. The very small area and shape of the proposed reserve simply does not provide the necessary niches required by these plants. The uncontrolled and unrestricted recreational use of this area has led to the exposure and scuffing of roots and the compaction of soil. This has and continues to accelerate the natural flood flow stripping of the alluvial flat and the erosion and undercutting of the creek bank.

7 Recommendations

- Management efforts are focused on feral pig control.
- Group “B” weed as defined in 3.1.5 are eradicated from the proposed reserve.
- Group “A” weeds are controlled and monitored.
- The impact of unrestricted visitor use is monitored and if necessary actions taken to restrict and control this use.
- The owners of Lot 180 RP739774 are encouraged to plant a ten metre wide buffer along the boundary of the degraded areas of Lot 180 and the proposed reserve.

Appendix 1

Check List of Vascular Plants Observed in the Proposed Blue Hole Cultural, Environmental & Recreation Park

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
FERNS & ALLIES				
	<i>Adiantaceae</i>		Adiantum diaphanum	Filmy Maidenhair Fern
			Adiantum silvaticum	Maidenhair
	<i>Angiopteridaceae</i>		Angiopteris evecta	King Fern
	<i>Aspleniaceae</i>		Asplenium australasicum	Bird's Nest Fern
			Asplenium nidus	Birds Nest Fern
	<i>Athyriaceae</i>		Diplazium dilatatum	
	<i>Blechnaceae</i>		Blechnum cartilaginum	Gristle Fern
			Doodia caudata	Small Rasp Fern
	<i>Cyatheaceae</i>		Cyathea cooperi	Scaly Tree Fern
	<i>Dryopteridaceae</i>		Tectaria confluens	
	<i>Hymenophyllaceae</i>		Cephalomanes atrovirens	
			Crepidomanes bipunctatum	
			Crepidomanes humile	
	<i>Lindsaeaceae</i>		Lindsaea brachypoda	
			Lindsaea obtusa	
	<i>Lycopodiaceae</i>			
		R	Huperzia phlegmaria	Common Tassel Fern
		V	Huperzia phlegmarioides	Layered Tassel Fern
	<i>Marattiaceae</i>		Marattia oreades	Potato Fern
	<i>Nephrolepidaceae</i>		Arthropteris palisotii	
			Arthropteris submarginalis	

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Ophioglossaceae</i>		Ophioglossum pendulum	Ribbon Fern
	<i>Polypodiaceae</i>		Belvisia mucronata	Rat's-tail Fern
			Colysis ampla	
			Dictymia brownii	
			Drynaria rigidula	Basket Fern
			Goniophlebium percussum	
			Platynerium hillii	Northern Elkhorn Fern
			Pyrrosia longifolia	
	<i>Psilotaceae</i>		Psilotum nudum	
	<i>Selaginellaceae</i>		Selaginella australiensis	
			Selaginella longipinna	
	<i>Thelypteridaceae</i>		Christella dentata	
			Christella parasitica	
			Pronephrium triphyllum	
	<i>Vittariaceae</i>		Vittaria elongata	Tape Fern
CONIFERS & ALLIES				
	<i>Stangeriaceae</i>		Bowenia spectabilis	Bowenia or Zamia Fern
	<i>Zamiaceae</i>		Lepidozamia hopei	Zamia Palm
FLOWERING PLANTS				
	<i>Acanthaceae</i>		Pseuderanthemum variabile	Pastel Flower
	<i>Anacardiaceae</i>		Rhus taitensis	Sumac
	<i>Annonaceae</i>		Cananga odorata	Woolly Pine
		R	Haplostichanthus sp. (Coopers Creek, B. Gray 2433)	
			Melodorum uhrii	

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Apocynaceae</i>		Alstonia muelleriana	Hard Milkwood
			Cerbera floribunda	Cassowary Plum
			Ichnocarpus frutescens	
			Melodinus acutiflorus	Yappa Yappa
			Melodinus australis	Bellbird Vine
			Tabernaemontana pandacaqui	Banana Bush
			Wrightia laevis subsp. millgar	Millgar
	<i>Araceae</i>		Alocasia brisbanensis	Cunjevoi
			Epipremnum pinnatum	Native Monstera
			Pothos longipes	Pothos
			Rhaphidophora australasica	
			Rhaphidophora hayi	
			Rhaphidophora petrieana	
	<i>Araliaceae</i>		Polyscias australiana	Ivory Basswood
			Polyscias mollis	
			Schefflera actinophylla	Umbrella Tree
	<i>Arecaceae</i>		Archontophoenix alexandrae	Alexandra Palm
			Calamus australis	Hairy Mary
			Calamus motii	Wait-a-While
			Calamus radicalis	Vicious Hairy Mary
			Licuala ramsayi	Queensland Fan Palm
			Linospadix minor	Walking Stick Palm
			Normanbya normanbyi	Black Palm
	<i>Aristolochiaceae</i>		Pararistolochia deltantha	
	<i>Asclepiadaceae</i>		Asclepiadaceae sp. (Flametree Road)	
			Hoya pottsii	Native Hoya
	<i>Asteraceae</i>		* Ageratum conyzoides	Blue Top
			* Elephantopus mollis	
			* Synedrella nodiflora	Cinderella weed
	<i>Bignoniaceae</i>		Neosepicaea jucunda	Jucunda Vine
			Pandorea pandorana	Wonga Vine
	<i>Bromeliaceae</i>		* ? Neoregelia sp.	
	<i>Caesalpiniaceae</i>		Stockiella australiensis	White Bean

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Celastraceae</i>		Hedraianthera porphyropetala (var. alba)	
			Hippocratea barbata	
			Siphonodon membranaceus	Ivorywood
	<i>Clusiaceae</i>		Calophyllum australianum	Blush Tourgia
		R	Mesua larnachiana	
	<i>Combretaceae</i>		Terminalia sericocarpa	Damson
	<i>Commelinaceae</i>		Aneilema acuminatum	
			Pollia macrophylla	
	<i>Connaraceae</i>		Connarus conchocarpus	Shell Vine
		R	Rourea brachyandra	
	<i>Convolvulaceae</i>		Erycibe coccinea	
			Merremia peltata	
	<i>Cunoniaceae</i>		Geissoa biagiana	Brush Mahogany
			Pullea stutzeri	Hard Alder
	<i>Cyperaceae</i>	*	Cyperus aromaticus	Navua Sedge
			Hypolytrum nemorum	
			Scleria caricina	
			Scleria polycarpa	
	<i>Davidsoniaceae</i>		Davidsonia pruriens	Davidson's Plum
	<i>Dilleniaceae</i>		Hibbertia scandens	
			Tetracera nordtiana var. nordtiana	Fire Vine
	<i>Dracaenaceae</i>		Cordyline cannifolia	Native Cordyline
	<i>Ebenaceae</i>		Diospyros sp. (Milla Milla L. W. Jessup 515)	
	<i>Elaeagnaceae</i>		Elaeagnus triflora	Milla Milla
	<i>Elaeocarpaceae</i>		Aceratium concinnum	Hard Carabeen
			Aceratium megalospermum	Bolly Carabeen
			Elaeocarpus grahamii	Graham's Quandong
			Elaeocarpus grandis	Silver Quandong
			Sloanea langii	White Carabeen

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Euphorbiaceae</i>			
			Actephila petiolaris	
			Aleurites rockinghamensis	Candlenut
			Breynia cernua	Fart Tree
			Briedelia insulana var. insulana	Grey Birch
		R	Cleistanthus myrianthus	
			Endospermum myrmecophilum	Toywood
			Glochidion sumatranum	Buttonwood
			Homalanthus novoguineensis	Native Bleeding Heart
			Macaranga involucrata var. mallotoides	Brown Macaranga
		R	Macaranga polyadenia	Swamp Macaranga
			Mallotus paniculatus	Turn-in-the-wind
			Phyllanthus clamboides	
			Rockinghamia angustifolia	
	<i>Fabaceae</i>			
			Austrosteensia stipularis	
			Castanospermum australe	Black Bean
			Derris sp. (Daintree D. E. Boyland + 469)	
			Derris trifoliata	Coastal Derris
		*	Desmodium heterophyllum	Hetero
			Ormosia ormondii	Yellow Bean
		R	Strongylodon lucidus	
	<i>Flacourtiaceae</i>			
			Casearia dallachii	
		R	Ryparosa javanica	
	<i>Flagellariaceae</i>			
			Flagellaria indica	Supplejack
	<i>Gentianaceae</i>			
			Fagraea cambagei	Yellowheart
	<i>Heliconiaceae</i>			
		*	Heliconia psittacorum	Heliconia
	<i>Hypoxidaceae</i>			
			Molineria capitulata	Weevil Lily
	<i>Icacinaceae</i>			
			Citronella smythii	Silky Beech
			Gomphandra australiana	Buff Beech
	<i>Idiospermaceae</i>			
			Idiospermum australienses	Ribbonwood
	<i>Lamiaceae</i>			
			Callicarpa longifolia	
			Clerodendrum traceyanum	Flowers of Magic
			Glossocarya hemiderma	
		*	Hyptis capitata	Knobweed
			Premna serratifolia	Coastal Premna

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Lauraceae</i>		Beilschmiedia bancroftii	Yellow Walnut
			Beilschmiedia tooram	Tooram Walnut
			Cryptocarya grandis	Cinnamon Walnut
			Cryptocarya murrayi	Murray's Laurel
			Cryptocarya oblata	Tarzali Silkwood
			Cryptocarya pleurosperma	Poison Laurel
			Endiandra insignis	Hairy Walnut
			Endiandra leptodendron	
		R	Endiandra microneura	Noah's Walnut
			Endiandra sankeyana	Sankey's walnut
			Endiandra wolfei	Wolfe's Walnut
			Lindera queenslandica	
			Litsea leefeana	Bollywood
			Neolitsea dealbata	
		*	Persea americana	
	<i>Leeaceae</i>		Leea indica	Bandicoot berry
	<i>Malvaceae</i>			
		*	Sida rhombifolia	Sida
		*	Urena lobata	Urena Burr
	<i>Melastomataceae</i>			
			Medinilla balls-headleyi	
			Melastoma affine	Melastoma
			Otanthera bracteata	Bush Strawberries
		*	Tristemma mauritianum	Juicy Fruits
	<i>Meliaceae</i>			
			Aglaia meridionalis	Rusty Almond
			Aglaia sapindina	Boodyarra
			Dysoxylum arborescens	Mossman Mahogany
			Dysoxylum oppositifolium	Pink Mahogany
			Dysoxylum papuanum	Spice Mahogany
			Dysoxylum parasiticum	Yellow Mahogany
			Dysoxylum pettigrewianum	Spur Mahogany
	<i>Menispermaceae</i>			
			Carronia protensa	
			Hypserpa decumbens	
			Hypserpa laurina	
			Pachygone longifolia	
			Tinospora smilacina	Snake Vine
	<i>Mimosaceae</i>			
		*	Mimosa pudica	Sensitive Plant

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Monimiaceae</i>		Doryphora aromatica	Northern Sassafras
			Hedycarya loxocarya	Yellow Beech
			Tetrasynandra laxiflora	Tetra Beech
	<i>Moraceae</i>			
		*	Artocarpus heterophyllus	
			Ficus congesta var. congesta	Red Leaf Fig
			Ficus copiosa	Fig-of-plenty
			Ficus leptoclada	Atherton Fig
			Ficus pantoniana var. pantoniana	Climbing Fig
			Ficus septica var. cauliflora	Septic Fig
			Ficus variegata var. variegata	Variegated Cluster Fig
			Ficus virgata var. virgata	Figwood
	<i>Myristicaceae</i>			
			Myristica globosa subsp muelleri	Nutmeg
	<i>Myrsinaceae</i>			
			Ardisia pachrrhachis	Mountain Ardisia
			Embelia caulialata	
	<i>Myrtaceae</i>			
			Acmena graveolens	Cassowary Satinash
			Acmena hemilampra subsp hemilampra	Blush Satinash
			Rhodamnia sessiliflora	Iron Malletwood
			Ristantia pachysperma	Sour Hardwood
			Syzygium gustavioides	Grey Satinash
			Syzygium monospermum	Daintree Satinash
			Syzygium xerampelinum	Mulgrave Satinash
		R	Waterhousea mulgraveana	
	<i>Nyctaginaceae</i>			
			Pisonia umbellifera	Cabbagewood
	<i>Oleaceae</i>			
			Chionanthus ramiflora	Native Olive
			Chionanthus sleumeri	
	<i>Onagraceae</i>			
			Ludwigia octovalvis	Willow Primrose
	<i>Orchidaceae</i>			
			Coelandria smillieae	Bottlebrush Orchid
			Corymborkis veratifolia	
			Micropera fasciculata	
	<i>Pandanaceae</i>			
			Freycinetia scandens	
			Pandanus monticola	Scrub Breadfruit

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Passifloraceae</i>			
		*	Passiflora edulis	Passion Fruit
	<i>Philesiaceae</i>			
			Eustrephus latifolius	Wombat Berry
	<i>Piperaceae</i>			
			Piper caninum	Native Pepper
			Piper macropiper	Native Pepper
			Piper novae-hollandiae	Native Pepper
	<i>Pittosporaceae</i>			
			Pittosporum rubiginosum	Red Pittosporum
			Pittosporum trilobum	
	<i>Poaceae</i>			
		*	Axonopus fissifolius	Carpet Grass
			Bambusa moreheadiana	Climbing Bamboo
			Centotheca lappacea	
			Cyrtococcum oxyphyllum	
		*	Megathyrsus maximus var. maximus	Guinea Grass
			Oplismenus hirtellus subsp imbecillis	
			Oplismenus undulatifolius	
			Ottochloa nodosa	
		*	Paspalum conjugatum	Sour Grass
		*	Paspalum paniculatum	Russell River Grass
	<i>Proteaceae</i>			
			Athertonia diversifolia	Atherton Oak
		R	Austromuelleria trinervia	Mueller's Silky Oak
			Cardwellia sublimis	Northern Silky Oak
			Darlingia darlingiana	Brown Silky Oak
			Grevillea baileyana	Findlay's Silky Oak
			Helicia nortoniana	
			Musgravea heterophylla	Briar Silky Oak
	<i>Rhamnaceae</i>			
			Alphitonia incana	Hairy Sarsaparilla
			Alphitonia petriei	Pink Ash
			Alphitonia whitei	Red Ash
			Sageretia hamosa	
			Schistocarpaea johnsonii	
	<i>Rhizophoraceae</i>			
			Carallia brachiata	Corky Bark
	<i>Rosaceae</i>			
			Prunus turneriana	Almond bark
			Rubus moluccanus var. moluccanus	Native Raspberry

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Rubiaceae</i>		Atractocarpus hirtus	Hairy Gardenia
			Hedyotis radicans	
			Ixora baileyana	Bailey's Ixora
			Ixora biflora	
			Lasianthus strigosus	Blue Rubi
		*	Mitracarpus hirtus	Small Square Weed
			Morinda umbellata	
			Psychotria coelospermum	
			Psychotria dallachiana	
			Psychotria nematopoda	
			Psydrax tropica	
			Tarenna dallachiana	Tree Ixora
	<i>Rutaceae</i>		Medicosma sessiliflora	
			Medicosma sp. (Cooper's Creek R.L. Jago 6005)	
			Melicope bonwickii	Yellow Evodia
			Melicope elleryana	Evodia
			Melicope vitiflora	Leatherwood
			Melicope xanthoxyloides	Yellow Evodia
	<i>Sapindaceae</i>		Castanospora alphanthii	Brown Tamarind
			Diploglottis bernieana	Bernie's Tamarind
			Harpullia rhyticarpa	
			Lepiderema sericolignis	Scrub Tamarind
			Mischocarpus grandissimus	Giant leaf Tamarind
		*	Nephelium lappaceum	Rambutan
			Sarcopteryx reticulata	Scrub Tamarind
			Synima cordierorum	Synima
			Toechima erythrocarpum	Pink Tamarind
	<i>Sapotaceae</i>		Niemeyera prunifera	Milky Plum
			Palaquium galactoxylum	Cairns Pencil Cedar
			Pouteria castanosperma	Saffron Boxwood
			Pouteria chartacea	Dugulla
			Pouteria obovoidea	Yellow Boxwood
	<i>Smilacaceae</i>		Smilax calophylla	
	<i>Sterculiaceae</i>		Commersonia macrostipulata	Brown Kurrajong
			Sterculia quadrifida	Peanut tree

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Strychnaceae</i>		Strychnos minor	Snakewood
	<i>Symplocaceae</i>		Symplocos cynocarpa	Blue Hazelwood
			Symplocos paucistaminea	White Hazelwood
	<i>Verbenaceae</i>	*	Stachytarpheta cayennensis	Snakeweed
	<i>Violaceae</i>		Rinorea bengalensis	
	<i>Vitaceae</i>		Cissus repens	Variegated Grape
			Cissus vinosa	Purple Leaf Grape
			Tetrastigma nitens	Shining Grape
	<i>Xanthophyllaceae</i>		Xanthophyllum octandrum	MacIntyre's Boxwood
	<i>Zingiberaceae</i>		Alpinia arctiflora	Pleated Ginger
			Alpinia caerulea	Native Ginger
		*	Costus sp.	
			Hornstedtia scottiana	Native Cardamon
			Pleuranthodium racemigerum	Orange Fruited Ginger

Appendix 2

Check List of Plants Observed Section 1 Flametree Road

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
FERNS & ALLIES				
	<i>Adiantaceae</i>		Adiantum diaphanum	Filmy Maidenhair Fern
	<i>Aspleniaceae</i>		Asplenium australasicum	Bird's Nest Fern
			Asplenium nidus	Birds Nest Fern
	<i>Blechnaceae</i>		Blechnum cartilaginum	Gristle Fern
	<i>Cyatheaceae</i>		Cyathea cooperi	Scaly Tree Fern
	<i>Dryopteridaceae</i>		Tectaria confluens	
	<i>Lindsaeaceae</i>		Lindsaea brachypoda	
			Lindsaea obtusa	
	<i>Nephrolepidaceae</i>		Arthropteris palisotii	
	<i>Ophioglossaceae</i>		Ophioglossum pendulum	Ribbon Fern
	<i>Polypodiaceae</i>		Belvisia mucronata	Rat's-tail Fern
			Colysis ampla	
			Drynaria rigidula	Basket Fern
			Goniophlebium percussum	
			Platycterium hillii	Northern Elkhorn Fern
			Pyrosia longifolia	
	<i>Selaginellaceae</i>		Selaginella australiensis	
			Selaginella longipinna	
	<i>Thelypteridaceae</i>		Christella dentata	
			Christella parasitica	
	<i>Vittariaceae</i>		Vittaria elongata	Tape Fern

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
CONIFERS & ALLIES				
	<i>Stangeriaceae</i>		Bowenia spectabilis	Bowenia or Zamia Fern
	<i>Zamiaceae</i>		Lepidozamia hopei	Zamia Palm
FLOWERING PLANTS				
	<i>Acanthaceae</i>		Pseuderanthemum variabile	Pastel Flower
	<i>Anacardiaceae</i>		Rhus taitensis	Sumac
	<i>Annonaceae</i>		Cananga odorata	Woolly Pine
		R	Haplostichanthus sp. (Coopers Creek, B. Gray 2433)	
			Melodorum uhrii	
	<i>Apocynaceae</i>		Alstonia muelleriana	Hard Milkwood
			Cerbera floribunda	Cassowary Plum
			Ichnocarpus frutescens	
			Melodinus acutiflorus	Yappa Yappa
			Melodinus australis	Bellbird Vine
			Tabernaemontana pandacaqui	Banana Bush
			Wrightia laevis subsp. millgar	Millgar
	<i>Araceae</i>		Epipremnum pinnatum	Native Monstera
			Pothos longipes	Pothos
			Rhaphidophora australasica	
	<i>Araliaceae</i>		Polyscias australiana	Ivory Basswood
			Polyscias mollis	
			Schefflera actinophylla	Umbrella Tree
	<i>Arecaceae</i>		Archontophoenix alexandrae	Alexandra Palm
			Calamus australis	Hairy Mary
			Calamus motii	Wait-a-While
			Calamus radicalis	Vicious Hairy Mary
			Licuala ramsayi	Queensland Fan Palm
			Linospadix minor	Walking Stick Palm
			Normanbya normanbyi	Black Palm
	<i>Aristolochiaceae</i>		Pararistolochia deltantha	

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Asclepiadaceae</i>		Asclepiadaceae sp. (Flametree Road)	
			Hoya pottsii	
	<i>Asteraceae</i>			
		*	Ageratum conyzoides	Blue Top
		*	Synedrella nodiflora	Cinderella weed
	<i>Bignoniaceae</i>			
			Neosepicaea jucunda	Jucunda Vine
			Pandorea pandorana	Wonga Vine
	<i>Bromeliaceae</i>			
		*	? Neoregelia sp.	
	<i>Celastraceae</i>			
			Hedraianthera porphyropetala (var. alba)	
	<i>Clusiaceae</i>			
		R	Mesua larnachiana	
	<i>Combretaceae</i>			
			Terminalia sericocarpa	Damson
	<i>Connaraceae</i>			
		R	Rourea brachyandra	
	<i>Convolvulaceae</i>			
			Erycibe coccinea	
			Merremia peltata	
	<i>Cunoniaceae</i>			
			Geissoa biagiana	Brush Mahogany
	<i>Cyperaceae</i>			
		*	Cyperus aromaticus	Navua Sedge
			Hypolytrum nemorum	
			Scleria caricina	
			Scleria polycarpa	
	<i>Davidsoniaceae</i>			
			Davidsonia pruriens	Davidson's Plum
	<i>Dilleniaceae</i>			
			Hibbertia scandens	
			Tetracera nordtiana var. nordtiana	Fire Vine
	<i>Dracaenaceae</i>			
			Cordyline cannifolia	Native Cordyline
	<i>Elaeagnaceae</i>			
			Elaeagnus triflora	Milla Milla
	<i>Elaeocarpaceae</i>			
			Aceratium concinnum	Hard Carabeen
			Aceratium megalospermum	Bolly Carabeen
			Elaeocarpus grahamii	Graham's Quandong
			Elaeocarpus grandis	Silver Quandong
			Sloanea langii	White Carabeen

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Euphorbiaceae</i>			
			Actephila petiolaris	
			Aleurites rockinghamensis	Candlenut
			Breynia cernua	Fart Tree
			Briedelia insulana var. insulana	Grey Birch
			Endospermum myrmecophilum	Toywood
			Glochidion sumatranum	Buttonwood
			Homalanthus novoguineensis	Native Bleeding Heart
			Macaranga involucrata var. mallotoides	Brown Macaranga
		R	Macaranga polyadenia	Swamp Macaranga
			Mallotus paniculatus	Turn-in-the-wind
			Phyllanthus clamboides	
			Rockinghamia angustifolia	
	<i>Fabaceae</i>			
			Derris sp. (Daintree D. E. Boyland + 469)	
		*	Desmodium heterophyllum	Hetero
			Ormosia ormondii	Yellow Bean
		R	Strongylodon lucidus	
	<i>Flacourtiaceae</i>			
			Casearia dallachii	
		R	Ryparosa javanica	
	<i>Flagellariaceae</i>			
			Flagellaria indica	Supplejack
	<i>Gentianaceae</i>			
			Fagraea cambagei	Yellowheart
	<i>Heliconiaceae</i>			
		*	Heliconia psittacorum	Heliconia
	<i>Hypoxidaceae</i>			
			Molineria capitulata	Weevil Lily
	<i>Icacinaceae</i>			
			Gomphandra australiana	Buff Beech
	<i>Lamiaceae</i>			
			Callicarpa longifolia	
			Clerodendrum traceyanum	Flowers of Magic
			Glossocarya hemiderma	
		*	Hyptis capitata	Knobweed
			Premna serratifolia	Coastal Premna
	<i>Lauraceae</i>			
			Beilschmiedia bancroftii	Yellow Walnut
			Beilschmiedia tooram	Tooram Walnut
			Cryptocarya grandis	Cinnamon Walnut
			Cryptocarya murrayi	Murray's Laurel

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
			Cryptocarya oblata	Tarzali Silkwood
			Cryptocarya pleurosperma	Poison Laurel
			Endiandra insignis	Hairy Walnut
			Endiandra leptodendron	
		R	Endiandra microneura	Noah's Walnut
			Endiandra sankeyana	Sankey's walnut
			Endiandra wolfei	Wolfe's Walnut
			Lindera queenslandica	
			Litsea leefeana	Bollywood
			Neolitsea dealbata	
		*	Persea americana	
	<i>Leeaceae</i>			
			Leea indica	Bandicoot berry
	<i>Malvaceae</i>			
		*	Sida rhombifolia	Sida
		*	Urena lobata	Urena Burr
	<i>Melastomataceae</i>			
			Medinilla balls-headleyi	
			Melastoma affine	Melastoma
			Otanthera bracteata	Bush Strawberries
	<i>Meliaceae</i>			
			Aglaia meridionalis	Rusty Almond
			Aglaia sapindina	Boodyarra
			Dysoxylum arborescens	Mossman Mahogany
			Dysoxylum oppositifolium	Pink Mahogany
			Dysoxylum papuanum	Spice Mahogany
			Dysoxylum parasiticum	Yellow Mahogany
			Dysoxylum pettigrewianum	Spur Mahogany
	<i>Menispermaceae</i>			
			Carronia protensa	
			Hypserpa decumbens	
			Hypserpa laurina	
			Pachygone longifolia	
			Tinospora smilacina	Snake Vine
	<i>Mimosaceae</i>			
		*	Mimosa pudica	Sensitive Plant
	<i>Monimiaceae</i>			
			Doryphora aromatica	Northern Sassafras
			Tetrasynandra laxiflora	Tetra Beech
	<i>Moraceae</i>			
		*	Artocarpus heterophyllus	
			Ficus congesta var. congesta	Red Leaf Fig
			Ficus leptoclada	Atherton Fig
			Ficus pantoniana var. pantoniana	Climbing Fig
			Ficus septica var. cauliflora	Septic Fig

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
			Ficus variegata var. variegata	Variogated Cluster Fig
			Ficus virgata var. virgata	Figwood
	<i>Myristicaceae</i>		Myristica globosa subsp muelleri	Nutmeg
	<i>Myrsinaceae</i>		Embelia caulialata	
	<i>Myrtaceae</i>		Acmena graveolens	Cassowary Satinash
			Acmena hemilampra subsp hemilampra	Blush Satinash
			Rhodamnia sessiliflora	Iron Malletwood
			Ristantia pachysperma	Sour Hardwood
			Syzygium gustavioides	Grey Satinash
			Syzygium monospermum	Daintree Satinash
			Syzygium xerampelinum	Mulgrave Satinash
		R	Waterhousea mulgraveana	
	<i>Onagraceae</i>		Ludwigia octovalvis	Willow Primrose
	<i>Orchidaceae</i>		Coelandria smillieae	Bottlebrush Orchid
			Micropera fasciculata	
	<i>Pandanaceae</i>		Freycinetia scandens	
			Pandanus monticola	Scrub Breadfruit
	<i>Passifloraceae</i>	*	Passiflora edulis	Passion Fruit
	<i>Philesiaceae</i>		Eustrephus latifolius	Wombat Berry
	<i>Piperaceae</i>		Piper caninum	Native Pepper
			Piper novae-hollandiae	Native Pepper
	<i>Pittosporaceae</i>		Pittosporum rubiginosum	Red Pittosporum
	<i>Poaceae</i>	*	Axonopus fissifolius	Carpet Grass
			Bambusa moreheadiana	Climbing Bamboo
			Centotheca lappacea	
			Cyrtococcum oxyphyllum	
		*	Megathyrsus maximus var. maximus	Guinea Grass
			Oplismenus hirtellus subsp imbecillis	
			Oplismenus undulatifolius	
			Ottochloa nodosa	
		*	Paspalum conjugatum	Sour Grass
		*	Paspalum paniculatum	Russell River Grass

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Proteaceae</i>		Athertonia diversifolia	Atherton Oak
		R	Austromuelleria trinervia	Mueller's Silky Oak
			Cardwellia sublimis	Northern Silky Oak
			Darlingia darlingiana	Brown Silky Oak
			Grevillea baileyana	Findlay's Silky Oak
			Helicia nortoniana	
			Musgravea heterophylla	Briar Silky Oak
	<i>Rhamnaceae</i>		Alphitonia incana	Hairy Sarsaparilla
			Alphitonia petriei	Pink Ash
			Alphitonia whitei	Red Ash
	<i>Rhizophoraceae</i>		Carallia brachiata	Corky Bark
	<i>Rosaceae</i>		Prunus turneriana	Almond bark
			Rubus moluccanus var. moluccanus	Native Raspberry
	<i>Rubiaceae</i>		Atractocarpus hirtus	Hairy Gardenia
			Hedyotis radicans	
			Lasianthus strigosus	Blue Rubi
		*	Mitracarpus hirtus	Small Square Weed
			Morinda umbellata	
			Psychotria coelospermum	
			Psychotria dallachiana	
			Psydrax tropica	
			Tarenna dallachiana	Tree Ixora
	<i>Rutaceae</i>		Medicosma sessiliflora	
			Medicosma sp. (Cooper's Creek R.L. Jago 6005)	
			Melicope bonwickii	Yellow Evodia
			Melicope elleryana	Evodia
			Melicope vitiflora	Leatherwood
			Melicope xanthoxyloides	Yellow Evodia
	<i>Sapindaceae</i>		Diploglottis bernieana	Bernie's Tamarind
			Harpullia rhyticarpa	
			Mischocarpus grandissimus	Giant leaf Tamarind
		*	Nephelium lappaceum	Rambutan
			Sarcopteryx reticulata	Scrub Tamarind
			Synima cordierorum	Synima
			Toechima erythrocarpum	Pink Tamarind
	<i>Sapotaceae</i>		Niemeyera prunifera	Milky Plum
			Palaquium galactoxylum	Cairns Pencil Cedar
			Pouteria castanosperma	Saffron Boxwood

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
			Pouteria chartacea	Dugulla
			Pouteria obovoidea	Yellow Boxwood
	<i>Smilacaceae</i>		Smilax calophylla	
	<i>Sterculiaceae</i>		Commersonia macrostipulata	Brown Kurrajong
			Sterculia quadrifida	Peanut tree
	<i>Strychnaceae</i>		Strychnos minor	Snakewood
	<i>Symplocaceae</i>		Symplocos cynocarpa	Blue Hazelwood
			Symplocos paucistaminea	White Hazelwood
	<i>Verbenaceae</i>	*	Stachytarpheta cayennensis	Snakeweed
	<i>Vitaceae</i>		Cissus repens	Variiegated Grape
			Cissus vinosa	Purple Leaf Grape
			Tetrastigma nitens	Shining Grape
	<i>Xanthophyllaceae</i>		Xanthophyllum octandrum	MacIntyre's Boxwood
	<i>Zingiberaceae</i>		Alpinia arctiflora	Pleated Ginger
			Alpinia caerulea	Native Ginger
		*	Costus sp.	
			Hornstedtia scottiana	Native Cardamon
			Pleuranthodium racemigerum	Orange Fruited Ginger

Appendix 3

Check List of Plants Observed Section 2 Riparian Area & Alluvial Flat of Cooper Creek

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
FERNS & ALLIES				
	<i>Adiantaceae</i>		Adiantum diaphanum	Filmy Maidenhair Fern
			Adiantum silvaticum	Maidenhair
	<i>Angiopteridaceae</i>		Angiopteris evecta	King Fern
	<i>Aspleniaceae</i>		Asplenium australasicum	Bird's Nest Fern
			Asplenium nidus	Birds Nest Fern
	<i>Athyriaceae</i>		Diplazium dilatatum	
	<i>Blechnaceae</i>		Doodia caudata	Small Rasp Fern
	<i>Dryopteridaceae</i>		Tectaria confluens	
	<i>Hymenophyllaceae</i>		Cephalomanes atrovirens	
			Crepidomanes bipunctatum	
			Crepidomanes humile	
	<i>Lindsaeaceae</i>		Lindsaea obtusa	
	<i>Lycopodiaceae</i>	R	Huperzia phlegmaria	Common Tassel Fern
		V	Huperzia phlegmarioides	Layered Tassel Fern
	<i>Marattiaceae</i>		Marattia oreades	Potato Fern
	<i>Nephrolepidaceae</i>		Arthropteris palisotii	
			Arthropteris submarginalis	

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Polypodiaceae</i>		Colysis ampla	
			Dictymia brownii	
			Drynaria rigidula	Basket Fern
			Goniophlebium percussum	
			Platycterium hillii	Northern Elkhorn Fern
	<i>Psilotaceae</i>		Psilotum nudum	
	<i>Selaginellaceae</i>		Selaginella australiensis	
			Selaginella longipinna	
	<i>Thelypteridaceae</i>		Christella dentata	
			Christella parasitica	
			Pronephrium triphyllum	
	<i>Vittariaceae</i>		Vittaria elongata	Tape Fern
CONIFERS & ALLIES				
	<i>Stangeriaceae</i>		Bowenia spectabilis	Bowenia or Zamia Fern
	<i>Zamiaceae</i>		Lepidozamia hopei	Zamia Palm
FLOWERING PLANTS				
	<i>Annonaceae</i>	R	Haplostichanthus sp. (Coopers Creek, B. Gray 2433)	
	<i>Apocynaceae</i>		Cerbera floribunda	Cassowary Plum
			Ichnocarpus frutescens	
			Melodinus acutiflorus	Yappa Yappa
	<i>Araceae</i>		Alocasia brisbanensis	Cunjevoi
			Epipremnum pinnatum	Native Monstera
			Pothos longipes	Pothos
			Rhaphidophora hayi	
			Rhaphidophora petrieana	
	<i>Araliaceae</i>		Polyscias australiana	Ivory Basswood
			Schefflera actinophylla	Umbrella Tree
	<i>Arecaceae</i>		Archontophoenix alexandrae	Alexandra Palm
			Calamus motii	Wait-a-While
			Calamus radicalis	Vicious Hairy Mary
			Licuala ramsayi	Queensland Fan Palm

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
			Linospadix minor	Walking Stick Palm
			Normanbya normanbyi	Black Palm
	<i>Asclepiadaceae</i>		Hoya pottsii	Native Hoya
	<i>Asteraceae</i>	*	Ageratum conyzoides	Blue Top
		*	Elephantopus mollis	
	<i>Caesalpiniaceae</i>		Stockiella australiensis	White Bean
	<i>Celastraceae</i>		Hedraianthera porphyropetala (var. alba)	
			Hippocratea barbata	
			Siphonodon membranaceus	Ivorywood
	<i>Clusiaceae</i>		Calophyllum australianum	Blush Tourgia
		R	Mesua larnachiana	
	<i>Combretaceae</i>		Terminalia sericocarpa	Damson
	<i>Commelinaceae</i>		Aneilema acuminatum	
			Pollia macrophylla	
	<i>Connaraceae</i>		Connarus conchocarpus	Shell Vine
		R	Rourea brachyandra	
	<i>Cunoniaceae</i>		Geissoa biagiana	Brush Mahogany
			Pullea stutzeri	Hard Alder
	<i>Cyperaceae</i>		Scleria polycarpa	
	<i>Dilleniaceae</i>		Tetracera nordtiana var. nordtiana	Fire Vine
	<i>Dracaenaceae</i>		Cordyline cannifolia	Native Cordyline
	<i>Ebenaceae</i>		Diospyros sp. (Milla Milla L. W. Jessup 515)	
<i>Elaeagnaceae</i>			Elaeagnus triflora	Milla Milla
	<i>Elaeocarpaceae</i>		Aceratium megalospermum	Bolly Carabeen
			Elaeocarpus grandis	Silver Quandong
			Sloanea langii	White Carabeen
	<i>Euphorbiaceae</i>		Actephila petiolaris	
			Aleurites rockinghamensis	Candlenut
		R	Cleistanthus myrianthus	

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
			Glochidion sumatranum	Buttonwood
		R	Macaranga polyadenia	Swamp Macaranga
	<i>Fabaceae</i>			
			Austrosteenisia stipularis	
			Castanospermum australe	Black Bean
			Derris trifoliata	Coastal Derris
			Ormosia ormondii	Yellow Bean
	<i>Flacourtiaceae</i>			
		R	Ryparosa javanica	
	<i>Flagellariaceae</i>			
			Flagellaria indica	Supplejack
	<i>Gentianaceae</i>			
			Fagraea cabbagei	Yellowheart
	<i>Hypoxidaceae</i>			
			Molineria capitulata	Weevil Lily
	<i>Icacinaceae</i>			
			Citronella smythii	Silky Beech
	<i>Idiospermaceae</i>			
			Idiospermum australienses	Ribbonwood
	<i>Lauraceae</i>			
			Beilschmiedia tooram	Tooram Walnut
			Cryptocarya grandis	Cinnamon Walnut
			Cryptocarya murrayi	Murray's Laurel
			Endiandra insignis	Hairy Walnut
			Endiandra leptodendron	
		R	Endiandra microneura	Noah's Walnut
			Endiandra sankeyana	Sankey's Walnut
			Litsea leefeana	Bollywood
			Neolitsea dealbata	
	<i>Leeaceae</i>			
			Leea indica	Bandicoot berry
	<i>Melastomataceae</i>			
			Medinilla balls-headleyi	
			Otanthera bracteata	Bush Strawberries
		*	Tristemma mauritianum	Juicy Fruits
	<i>Meliaceae</i>			
			Aglaia sapindina	Boodyarra
			Dysoxylum arborescens	Mossman Mahogany
			Dysoxylum oppositifolium	Pink Mahogany
			Dysoxylum papuanum	Spice Mahogany
			Dysoxylum parasiticum	Yellow Mahogany
			Dysoxylum pettigrewianum	Spur Mahogany
	<i>Menispermaceae</i>			
			Carronia protensa	

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Monimiaceae</i>		Hedycarya loxocarya	Yellow Beech
			Tetrasynandra laxiflora	Tetra Beech
	<i>Moraceae</i>		Ficus congesta var. congesta	Red Leaf Fig
			Ficus copiosa	Fig-of-plenty
			Ficus leptoclada	Atherton Fig
			Ficus pantoniana var. pantoniana	Climbing Fig
			Ficus variegata var. variegata	Variiegated Cluster Fig
			Ficus virgata var. virgata	Figwood
	<i>Myristicaceae</i>		Myristica globosa subsp muelleri	Nutmeg
	<i>Myrsinaceae</i>		Ardisia pachrrhachis	Mountain Ardisia
	<i>Myrtaceae</i>		Acmena graveolens	Cassowary Satinash
			Acmena hemilampra subsp hemilampra	Blush Satinash
			Rhodamnia sessiliflora	Iron Malletwood
			Ristantia pachysperma	Sour Hardwood
			Syzygium gustavioides	Grey Satinash
			Syzygium monospermum	Daintree Satinash
			Syzygium xerampelinum	Mulgrave Satinash
		R	Waterhousea mulgraveana	
	<i>Nyctaginaceae</i>		Pisonia umbellifera	Cabbagewood
	<i>Oleaceae</i>		Chionanthus ramiflora	Native Olive
			Chionanthus sleumeri	
	<i>Orchidaceae</i>		Coelandria smillieae	Bottlebrush Orchid
			Corymborkis veratifolia	
	<i>Pandanaceae</i>		Freycinetia scandens	
			Pandanus monticola	Scrub Breadfruit
	<i>Piperaceae</i>		Piper macropiper	Native Pepper
	<i>Pittosporaceae</i>		Pittosporum rubiginosum	Red Pittosporum
			Pittosporum trilobum	
	<i>Poaceae</i>		Bambusa moreheadiana	Climbing Bamboo
			Oplismenus hirtellus subsp imbecillis	
			Ottochloa nodosa	

Vegetation Report on the Proposed Blue Hole Cultural, Environmental & Recreation Reserve

<i>GROUP</i>	<i>FAMILY</i>	<i>Code</i>	<i>TAXON</i>	<i>COMMON NAME</i>
	<i>Proteaceae</i>		Helicia nortoniana	
	<i>Rhamnaceae</i>		Sageretia hamosa	
			Schistocarpaea johnsonii	
	<i>Rosaceae</i>		Prunus turneriana	Almondbark
	<i>Rubiaceae</i>		Atractocarpus hirtus	Hairy Gardenia
			Ixora baileyana	Bailey's Ixora
			Ixora biflora	
			Lasianthus strigosus	Blue Rubi
			Psychotria coelospermum	
			Psychotria nematopoda	
			Psydrax tropica	
			Tarenna dallachiana	Tree Ixora
	<i>Rutaceae</i>		Medicosma sessiliflora	
	<i>Sapindaceae</i>		Castanospora alphandii	Brown Tamarind
			Lepiderema sericolignis	Scrub Tamarind
			Mischocarpus grandissimus	Giant leaf Tamarind
		*	Nephelium lappaceum	Rambutan
			Synima cordierorum	Synima
	<i>Sapotaceae</i>		Niemeyera prunifera	Milky Plum
			Palaquium galactoxylum	Cairns Pencil Cedar
			Pouteria chartacea	Dugulla
			Pouteria obovoidea	Yellow Boxwood
	<i>Sterculiaceae</i>		Sterculia quadrifida	Peanut tree
	<i>Symplocaceae</i>		Symplocos paucistaminea	White Hazelwood
	<i>Verbenaceae</i>	*	Stachytarpheta cayennensis	Snakeweed
	<i>Violaceae</i>		Rinorea bengalensis	
<i>Zingiberaceae</i>			Hornstedtia scottiana	Native Cardamon
			Pleuranthodium racemigerum	Orange Fruited Ginger