

EMERALD CREEK FALLS



Emerald Creek Falls 21st April 2007

INTRODUCTION

The attached plant list was compiled from notes taken on a visit to Emerald Creek Falls with the Cairns Branch of the Society for Growing Australian Plants on the 21 April 2007 and 20 May 2018. Names of families and species are as recognized by the Queensland Herbarium in the 2017 Census of Queensland Plants. The list covers all plants observed in the gallery rainforest along the creek adjacent to the car park and the adjacent open forest along the track to the top of the falls.

The gallery forest along the creek contains as dominant species *Melaleuca viminalis*, *Callitris intratropica*, *Melaleuca leucadendra*, *Tristaniopsis exiliiflora*, *Banksia aquilona* and *Bursaria tenuifolia* with the open forest adjacent to the track to the falls mainly dominated by *Eucalyptus leptophleba* and *Eucalyptus granitica*.

Two plant families in particular have been overlooked namely the Fabaceae and the Poaceae. Further visits and collection of specimens for identification would be necessary for these difficult to identify in the field families.

GEOLOGY

The substrate and outcrops adjacent to the falls are composed of Tinaroo Granite (280-270 million years of age) with the face of the falls composed of a fine grained aplite dyke, which was probably injected around the later stages of the solidification of the Tinaroo Granite.

Ref: Willmott, W.: Rocks & Landscapes of the National Parks of Nth. QLD (2009)

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Plants Observed at Emerald Creek Falls

<u>Family</u>	<u>Code</u>	<u>Taxon</u>	<u>Common Name</u>
<i>FERNS & ALLIES</i>			
<i>Adiantaceae</i>			
		Cheilanthes brownii	Resurrection Fern
		Cheilanthes nitida	
<i>Davalliaceae</i>			
		Davallia denticulata	
<i>Gleicheniaceae</i>			
		Dicranopteris linearis var. linearis	
		Sticherus flabellatus var. flabellatus	Umbrella Fern
<i>Lycopodiaceae</i>			
		Lycopodiella cernua	Queensland Coral Fern
<i>Polypodiaceae</i>			
		Drynaria rigidula	Basket Fern
<i>Psilotaceae</i>			
		Psilotum nudum	Skeleton Fork Fern
<i>Schizaeaceae</i>			
		Lygodium microphyllum	Climbing Maidenhair
<i>Selaginellaceae</i>			
		Selaginella ciliaris	Spike Moss
<i>GYMNOSPERMS</i>			
<i>Cupressaceae</i>			
		Callitris intratropica	Cypress Pine
<i>FLOWERING PLANTS-DICOTYLEDONS</i>			
<i>Acanthaceae</i>			
		Pseuderanthemum variabile	Pastel Flower
		Rostellularia adscendens var. hispida	Rostellularia
<i>Anacardiaceae</i>			
		Blepharocarya involucrigera	Rose Butternut
		Euroschinus falcatus var. angustifolius Benth.	Blush Cudgerie
		Pleiogynium timorense	Burdekin Plum
<i>Apiaceae</i>			
		Centella asiatica	Pennywort
		Platysace valida	
<i>Apocynaceae</i>			
		Alstonia muelleriana	Hard Milkwood
		Alyxia spicata	Chain Fruit
	*	Asclepias curassavica	Red-headed Cottonbush
		Hoya australis subsp. australis	Wax Flower

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<u>Family Code</u>	<u>Taxon</u>	<u>Common Name</u>
	Hoya australis subsp. tenuipes	Rainforest wax Flower
	Parsonsia latifolia	Milky Silkpod
	Parsonsia longipetiolata	Green-leaved Silkpod
	Parsonsia velutina	Velvet Silkpod
<i>Aquifoliaceae</i>		
	Ilex arnhemensis subsp. ferdinandi	Northern Holly
<i>Araliaceae</i>		
	Hydrocotyle grammatocarpa	
	Polyscias australiana	Ivory Basswood
	Schefflera actinophylla	Umbrella Tree
<i>Asteraceae</i>		
	Acmella grandiflora var. brachyglossa	
	Apowollastonia spilanthoides	
*	Crassocephalum crepidioides	Thickhead
	Cyanthillium cinereum	Purple Fleabane
	Peripleura diffusa	
	Phacellothrix cladochaeta	
*	Praxelis clematidea	Praxelis
	Pterocaulon ciliosum	
	Pterocaulon serrulatum var. serrulatum	
*	Tridax procumbens	Tridax Daisy
<i>Bignoniaceae</i>		
	Dolichandrone heterophylla	
	Pandorea pandorana	Wonga Vine
<i>Burseraceae</i>		
	Canarium australianum var. australianum	Scrub Turpentine;
<i>Byttneriaceae</i>		
	Seringia lanceolata	
<i>Campanulaceae</i>		
	Lobelia leucotos	
	Wahlenbergia caryophylloides	Bluebell
<i>Caryophyllaceae</i>		
*	Drymaria cordata subsp. cordata	Tropical Chickweed
	Polycarpaea spirostylis	
<i>Casuarinaceae</i>		
	Allocauarina torulosa	Rose She Oak; Forest
	Casuarina cunninghamiana	River She Oak
<i>Celastraceae</i>		
	Denhamia disperma	Orangebark
	Elaeodendron melanocarpum	Black Olive Plum
<i>Cunoniaceae</i>		
	Pullea stutzeri	Hard Alder

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<i>Dilleniaceae</i>			
		Hibbertia longifolia	Arsenic Plant
<i>Euphorbiaceae</i>			
		Alchornea thozetiana	
		Bertya polystigma	
		Mallotus polyadenos	Kamala
<i>Fabaceae</i>			
		Cajanus acutifolius	Native Pigeon Pea
		Crotalaria aridicola subsp. glabrata	
		Crotalaria brevis	
		Crotalaria calycina	
	*	Crotalaria lanceolata subsp. lanceolata	
		Crotalaria montana var. angustifolia	
		Derris sp. (Daintree D. E. Boyland + 469)	
		Erythrina vespertilio	Bat's Wing Coral Tree
		Indigofera linifolia	
		Indigofera pratensis	
		Jacksonia thesioides	Broombrush
		Rhynchosia minima var. minima	Rhynchosia
	*	Stylosetanthes humilis	Townsville Stylo
		Tephrosia astragaloides	
		Tephrosia filipes var. filipes	
		Uraria picta	
		Zornia muriculata subsp muriculata	
<i>Flacourtiaceae</i>			
		Scolopia braunii	Flintwood
<i>Haloragaceae</i>			
		Gonocarpus acanthocarpus	
<i>Lamiaceae</i>			
		Clerodendrum longiflorum var. glabrum	Witches Tongues
		Plectranthus mirus	Plectranthus
<i>Lauraceae</i>			
		Cassytha filiformis	Dodder Laurel
<i>Lecythidaceae</i>			
		Planchonia careya	Cocky Apple
<i>Loganiaceae</i>			
		Geniostoma rupestre var. australianum	
		Mitrasacme connata	
		Mitrasacme nummularia	
<i>Loranthaceae</i>			
		Dendrophloe glabrescens	Mistletoe

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<i>Malvaceae</i>			
		Abelmoschus moschatus subsp. tuberosus	
		Hibiscus meraukensis	Merauke Hibiscus
		Hibiscus normanii	
	*	Urena lobata	Urena Burr
<i>Melastomataceae</i>			
		Melastoma malabathricum var. malabathricum	Melastoma
<i>Mimosaceae</i>			
		Acacia aulacocarpa	Hickory Wattle
		Acacia calyculata	
		Acacia flavescens	Red Wattle
		Acacia melanoxylon	Blackwood
		Acacia simsii	
		Acacia umbellata	
		Acacia whitei	
		Vachellia bidwillii	
<i>Moraceae</i>			
		Ficus congesta var. congesta	Red Leaf Fig
		Ficus rubiginosa forma rubiginosa	Port Jackson Fig
<i>Myrsinaceae</i>			
		Lysimachia ovalis	
		Myrsine porosa	Northern Muttonwood
		Myrsine subsessilis subsp. cryptostemon	
<i>Myrtaceae</i>			
		Corymbia citriodora	Lemon Scented Gum
		Corymbia clarksoniana	Clarkson's Bloodwood
		Corymbia dallachiana	Dallachy's Gum
		Corymbia erythrophloia	
		Eucalyptus granitica	Granite Ironbark
		Eucalyptus leptophleba	Red Molloy Box
		Eucalyptus platyphylla	Poplar Gum
		Eucalyptus portuensis	Northern White
		Eucalyptus tereticornis	Forest Red Gum; Blue
		Lophostemon grandiflorus	Northern Swamp Box
		Melaleuca leucadendra	Tea Tree
		Melaleuca nervosa subsp. nervosa	
		Melaleuca viminalis	Red Bottlebrush
		Melaleuca viridiflora var. viridiflora	Broad-leaf Tea Tree
		Syzygium australe	Creek Lillypilly
		Tristaniopsis exiliflora	Kanuka Box
<i>Oleaceae</i>			
		Chionanthus ramiflora	Native Olive
		Ligustrum australianum	

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<i>Onagraceae</i>			
		Ludwigia octovalvis	Willow Primrose
<i>Orobanchaceae</i>			
		Buchnera linearis	
<i>Phyllanthaceae</i>			
		Breynia cernua	Fart Tree
		Cleistanthus semiopacus	Rusty Cleistanthus
		Glochidion harveyanum var. harveyanum	Harvey's Buttonwood
		Phyllanthus carpentariae	
		Phyllanthus fuernrohrii	
		Phyllanthus virgatus	
<i>Pittosporaceae</i>			
		Bursaria incana	Prickly Pine
		Bursaria tenuifolia	Sweet Blackthorn
		Pittosporum venulosum	Brown Pittosporum
<i>Polygalaceae</i>			
	*	Polygala paniculata	Island Snakeroot
<i>Polygonaceae</i>			
		Persicaria subsessilis	Hairy Knotweed
<i>Proteaceae</i>			
		Banksia aquilona	Honeysuckle Silky Oak
		Grevillea glauca	Clothes Peg Grevillea
		Grevillea parallela	
		Hakea persiehana	
		Helicia australasica	Creek Silky Oak
		Persoonia falcata	Northern Geebung
		Stenocarpus sinnatus	Wheel-of-fire Tree
		Xylomelum scottianum	Woody Pear
<i>Putranjivaceae</i>			
		Drypetes deplanchei	Grey Boxwood
<i>Rhamnaceae</i>			
		Alphitonia excelsa	Red Ash
<i>Rubiaceae</i>			
		Atractocarpus fitzalanii subsp fitzalanii	Brown Gardenia
		Coelospermum reticulatum	
		Psychotria fitzalanii	
		Spermacoce brachystema	
		Timonius timon var. timon	Timonius
<i>Santalaceae</i>			
		Exocarpos latifolius	Native Cherry
		Santalum lanceolatum	Sandalwood

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<i>Sapindaceae</i>			
		Dodonaea lanceolata var. subsessilifolia	Hop Bush
		Guioa acutifolia	Glossy Tamarind
		Jagera pseudorhus var. pseudorhus	Foambark
<i>Sapotaceae</i>			
		Sersalisia sericea	
<i>Sparrmanniaceae</i>			
		Grewia retusifolia	
<i>Symplocaceae</i>			
		Symplocos puberula	White Hazelwood
<i>Thymelaeaceae</i>			
		Pimelea confertiflora	
		Wikstroemia indica	Tie Bush
<i>Urticaceae</i>			
		Pipturus argenteus	Native Mulberry
<i>Verbenaceae</i>			
	*	Lantana camara	Lantana
<i>Violaceae</i>			
		Afrohybanthus enneaspermus	Spade Flower
		Afrohybanthus stellarioides	
<i>Vitaceae</i>			
		Cayratia trifolia	
<i>FLOWERING PLANTS-MONOCOTYLEDONS</i>			
<i>Araceae</i>			
	*	Colocasia esculenta	Taro
<i>Areaceae</i>			
		Oraniopsis appendiculata	Rainforest Coconut
<i>Colchicaceae</i>			
		Iphigenia indica	
		Schelhammera multiflora	
<i>Commelinaceae</i>			
		Commelina ensifolia	Sailor's Purse; Scurvy
		Murdannia graminea	Grass Lily
<i>Cyperaceae</i>			
		Carex maculata	
		Cyperus aquatilis	
		Cyperus polystachyos subsp. polystachos	
		Fimbristylis dichotoma	Common Fingerrush
		Gahnia aspera	
		Isolepis inundata	Swamp Club Rush
		Rhynchospora leae	
		Scleria mackaviensis	

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<i>Dioscoreaceae</i>			
		Dioscorea bulbifera	Cheeky Yam
<i>Eriocaulaceae</i>			
		Eriocaulon australe	
<i>Haemodoraceae</i>			
		Haemodorum coccineum	Blood Lily
<i>Hemerocallidaceae</i>			
		Dianella caerulea var. vannata	Blue Flax Lily
		Geitonoplesium cymosum	Scrambling Lily
<i>Johnsoniaceae</i>			
		Tricoryne anceps subsp. anceps	
<i>Juncaceae</i>			
		Juncus usitatus	
<i>Laxmanniaceae</i>			
		Lomandra hystrix	Creek Matrush
		Lomandra multiflora	Many-flowered Matrush
<i>Orchidaceae</i>			
		Dendrobium canaliculatum	Tea Tree Orchid
<i>Pandanaceae</i>			
		Freycinetia scandens	
		Pandanus cookii	Cook's Pandan
<i>Poaceae</i>			
		Aristida latifolia	Feather Top Wiregrass
		Arundinella setosa	
		Capillipedium spicigerum	Scented Top Grass
		Chrysopogon filipes	Australian Vetiveria
		Cleistochloa subjuncea	
		Cymbopogon queenslandicus	
	*	Dactyloctenium aegyptium	Coast Button Grass
		Ectrosia nervilemma	
		Entolasia stricta	Wiry Panic
		Eragrostis brownii	Brown's Lovegrass
		Eriachne ciliata	Slender Wanderrie
		Eriachne pallescens var. pallescens	
		Heteropogon contortus	Bunch Spear Grass
		Heteropogon triticeus	Giant Spear Grass
	*	Melinis repens	Red Natal Grass
		Mnesithea rottboellioides	
		Oplismenus aemulus	
		Panicum mitchellii	
	*	Paspalum conjugatum	Sour Grass
	*	Paspalum paniculatum	Russell River Grass
		Pogonatherum crinitum	

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	Pseudopogonatherum contortum	
	Sacciolepis indica	Indian Cupscale Grass
	Sarga plumosum	Plume Sorghum
	Schizachyrium fragile	Fire Grass
	Schizachyrium pseudeulalia	
*	Setaria pumila subsp. subtesselata	Pale Pigeon Grass
*	Sporobolus jacquemontii	American Rat's-tail
*	Themeda quadrivalvis	Grader Grass
	Themeda triandra	Kangaroo Grass
	Tripogon loliiformis	Five Minute Grass
<i>Smilacaceae</i>		
	Smilax australis	Sarsaparilla Vine
Taccaceae		
	Tacca leontopetaloides	Native Arrowroot
Xanthorrhoeaceae		
	Xanthorrhoea johnsonii	Forest Grasstree