



# Planting summary 2003—2017







PRECINCT 01 MANGROVES TO MOUNTAINS TRANSECT		
Name	General description	Year planted
<b>Freshwater wetland</b>	<p>The Freshwater Wetland is a simulated wetland landscape designed and constructed within definite design guidelines. It is not intended to allow nature to overtake the design principles which are intended to contribute to an educational and fulfilling visitor experience.</p> <p>High water table area with simulated rocky creek to assist water harvest and run off to lagoon. Tertiary track access in some areas. Wetland reeds and sedges line creek and require ongoing thinning to maintain access and views. Gradually lift canopies of paperbarks to retain open vista across garden. Cabbage tree palms to have open lower storey.</p>	<p><b>2004, 07 and 09.</b> Planned, plant selection and coordination by Friends with community. 09 creek bed by contractor.</p>
<b>Butterfly Garden</b>	<p>Butterfly attracting plants.</p> <p>The intent is solely to provide a suitable habitat for butterflies of the region by introducing plants which provide shelter, nectar and food as well as a place for larvae to develop.</p> <p>Promoting a site for larvae development results in some chewed foliage but this should be accepted and promoted as the butterfly life cycle.</p>	<p><b>2003 and 2005 and 2015</b> Planned, plant selection and coordination by Friends with Gold Coast Bushwalkers. GC Bushwalkers purchased plants.</p>
<b>Open eucalypt woodland</b>	<p>Scattered gum trees and layered understorey. Shrubs should be maintained in a balance between natural shape and cultivated form, and increased flowering should be promoted by removal of spent flowers. Some natural regeneration should be promoted. Regular replanting of Pea Family shrubs is intended to create a vivid late winter display. Smaller short term perennials including local species of paper daisies, <i>Murdannia</i> etc provide seasonal interest throughout year along with featured flowering plants such as <i>Lomatia</i> and <i>Banksia</i>.</p> <p><b>**Boundary fence was planted with Birdwing Butterfly Vines and is part of a Butterfly habitat revegetation and conservation project, planted by teenage boys from the youth training project Smith Family Ohanu with</b></p>	<p><b>2003 First community Planting Day</b> Planned, plant selection and coordination by Friends with community and TAFE</p>

	Friends and gardens officers	
<b>Gum Tree Corridor</b>	<p>The Gum Tree Corridor is planted in specific Beds according to :</p> <ol style="list-style-type: none"> <li>a) Bark type</li> <li>b) Gum tree community</li> </ol> <p>The display of gum trees in distinct groupings promotes and defines their unique characteristics. By adopting sectional Beds, visitors are encouraged to observe their individual traits.</p> <p>Additional bed added 2016 Arbor Day, for Ghost Gum research. Trees provided as part of Climate change research project by Trevor Seppings, Wilson Botanic Park Victoria</p>	<p><b>2008, 2009 and 2010</b> PCG design with Friends council and Lawrie Smith. Plant selection and set out by <b>Friends 09 and 10</b>. Planting by Friends with community. NB each planting day attended by between 70 and 174 community/Friends</p>
<b>Melaleuca wetland</b>	<p>Variety of Melaleucas from small shrubs to large trees with understorey of rushes, ferns and flowering ground covers. As canopy closes additional swamp fern species to be added. Maintain trees with visible trunk and distinct open gap between canopy and ground layer. To utilise the heavy often wet or damp soils with species suited to the conditions. The introduction of numerous <i>Melaleuca</i> species and other wetland understorey is intended to demonstrate the potential for gardens in these specific growing conditions. This zone also illustrates the importance of selecting plants that are adapted to the fluctuations between very wet and very dry conditions.</p>	<p><b>2006</b> Planned by Friends, and planted by Friends with community.</p>
<b>She oak stand</b>	<p>Forest of <i>Casuarina glauca</i> and <i>C. cunninghamia</i>. Primary pathway area only with ground cover, other understorey area should be retained clear of any vegetation to maintain open trunk effect. Gradual removal of lower branches. No mulching – self mulches with cladodes. Intended to provide the sensory experience of a forest within a small area and to provide Interpretation which outlines Genera specific information and raises the profile and importance of She oaks–</p> <ul style="list-style-type: none"> <li>• morphological characteristic and adaptation of cladodes</li> <li>• the role of she oaks in estuarine ecology</li> <li>• their actinorhizal qualities (ability to form a symbiotic relationship with N fixing organisms)</li> <li>• she oak timber uses including a display of milled/dressed timber</li> </ul>	<p><b>2005</b> planned by Friends planted by Friends and community. <b>2010 section 2</b> planned by <b>Friends</b> planted by Benowa HS with Friends</p>



	<ul style="list-style-type: none"> <li>demonstrate allelopathy</li> </ul>	
<b>Specimen trees regional arboretum</b>	<p>This area includes species rare or threatened in the wild. Trial the suitability of specific regional trees for park settings across the Gold Coast and other areas of South East Queensland.</p> <p>To provide locals and visitors to the Gold Coast an opportunity to view and appreciate the diversity of the regions trees. To provide a seed source for the propagation of specific trees for-</p> <ul style="list-style-type: none"> <li>reintroduction to the wild</li> <li>sharing with other botanic gardens</li> <li>provision of a viable seed source for propagation of trees for the Local Government area</li> </ul>	<b>2005</b> Planned C of GC with Friends. Planting by and Friends Community
<b>Cultivar Garden</b>	<p>Includes species and selected cultivars of local species. Intended to be cultivated as ‘backyard’ type garden with post flowering pruning and occasional shaping. Brisbane mallee should be maintained with several clear clean trunks to display bark colour changes. ** The Cultivar Gardens developed by default. Some plants ordered through C of GC were not supplied as ordered. Last minute amendments to the planned garden were made to allow the event to occur.</p>	<b>2004</b> Initial planting by Friends, planting by Friends and community. <b>See note **</b>
<b>Dry Rainforest</b>	<p>Selection of trees and large shrubs from depauperate rainforest zone. Tertiary track access for maintenance and herbarium collection. As crown closes introduce appropriate understorey. Planted during extended drought on an area previously infested with environmental weeds and cleared by Greening Australia Gold Coast. Hand watered though drought by Friends.</p>	<b>2005 and 2006</b> planted in two stages. Planned by Friends and planted by Friends, Community and TAFE Bundamba.
<b>Tall eucalypt forest</b>	<p>Additional gums added to existing trees. Loose ephemeral and native grass understorey and self-mulching. Two years of weed control by Greening Australia Gold Coast.</p>	<b>2007</b> Planned by Friends, planted by Friends on AGM day.
<b>Fruits of the Forest Lilly Pilly Garden</b>	<p>Selection of fruit bearing lilly pillies including species rare and threatened in the wild. Close planting used initially and may require some thinning as trees mature. <i>Syzygium australe</i> should be maintained in informal dense shrub like form, gradually raise crown of <i>S. moorei</i> to promote view of caulifloric flowering habit. Harvest some fruit for propagation purposes. Primarily Lilly Pillies, planted in distinct groups aligned on the pathway to provide-</p> <ul style="list-style-type: none"> <li>a visual impact with contrasting foliage types and forms</li> <li>opportunity for visitors and educational groups to view and interpret fruiting local species</li> </ul>	<b>Planting date - Arbor Day 2008 planned by C of GC , 2009 and 2012 by Friends.</b> Planted by school children and Councillors.

	The Lilly Pilly lined pathway is planned to extend to the beginning of the Regional Bushfood's Garden, providing a framework for the future Aboriginal Plant use garden.	
<b>Montane Rockery</b>	Features regional species from high elevations. Most have not been used in ornamental gardening previously and require some trialing to determine long term viability. Includes some rare and threatened species. Background plantings are primarily small trees where revealing the trunk is important, other areas small to medium shrubs and ground covers. Feature area of <i>Xanthorrhoea glauca</i> and other grass like plants. Demands a high level of intervention based on specific outcomes identified in HRG meetings.	<b>2008 and subsequent additional plantings 2010 and 15,16,17.</b> Friends and 2008 and Friends and contractor 2010, later planted by Friends with C of GC and/or contractor planning.
<b>Closed Forest Gorge</b>	Features 5 distinct regional rainforest communities, with Gallery Rainforest on slope to provide view through trunks at maturity. Planted with acacia as nurse plants – to be removed and replaced with lower storey as shade closes. No middle storey to be introduced. Headland, Gallery, Montane, Dry, and Littoral rainforest types.	2008 Planning by PCG and CofGC, planted by Council contractors
<b>Acacia screen</b>	Wattles along grass drive as buffer between dry rainforest and future works at Rosser House and future rainforest area. Regular replacements and new local <i>Acacia species</i> introductions required. Mainly self-mulching	<b>Friends 2006</b>
<b>Araucaria Forest</b>	Retain degree of openness as new trees from in situ germination. Any future understorey should be limited to 'Gondwana' style plantings which fit the current theme.	Brief prepared by contractor. Not implemented yet.
<b>Blackbutt area</b>	The primary function to protect, preserve and display the veteran <i>Eucalyptus pilularis</i> , estimated age 130 years and to prevent public access to the trunk (as desired). Promote growth of understorey by hand weeding . Avoid any fertilizers or herbicide applications within drip line of tree.	<b>2012</b> planning by Friends with contractor. Planted Friends and community
<b>Wallum Woodland (now Banksia Woodland)</b>	Concept developed by Friends as part of a themed coastal area with Wallum heathland and possibly 2020 Endeavour Garden later. "Wallum" is the indigenous people's name for <i>Banksia aemula</i> , the dominant small tree growing in the woodland beyond the coastal sand dunes and the wet and dry heath areas. The word "Wallum" is now generally applied to these vegetation areas which were once common to many parts of the Gold Coast.	<b>2013</b> Planned by Friends and contractor. Planted by Friends and Community .

<p><b>Tristaniopsis/ Water Gum Grove</b></p>	<p>The trunks are intended as a major feature as the trees mature and take on the typical mottled bark the Tristaniopsis Grove is intended to have a fused canopy and provide a shady location at maturity</p>	<p><b>2010/11</b> Planted on Community Planting Days and by Gardens staff.</p>

**Other Precincts**

<p><b>Eastern Precinct Native gardens</b></p>	<p>Developed to demonstrate plants suitable to shallow soils. Predominantly Proteacea family to provide colour and contrast on entry ring road</p>	<p><b>2010</b> Friends planned and planted by Friends community. Later additions by Friends and council officers with small area planted by Skilling Queenslanders for work.</p>
<p><b>Eastern precinct Summer Garden</b></p>		<p><b>2013</b> planned by contractor and major plantings by Skilling Queenslanders for Work program. Some planting by Friends</p>

<p><b>Regional Trees Taxonomic collection</b></p>	<p>Trees from thirteen distinctive plant families in a linear collection.</p>	<p><b>2010 2011</b> Planned by Friends, planted by Friends &amp; community.</p>
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<p><b>Australian Defense Force Grove</b></p>	<p>To display significant trees of the region in a park like setting.</p>	<p><b>July 2013</b>, Gardens 10<sup>th</sup> Anniversary, planted by families of ADF personnel to commemorate soldiers fallen in Afghan conflict. Planning by C of GC and contractor.</p>
<p><b>Horticulture Display Gardens</b></p>	<p>Project developed by council and delivered by landscape contractor. Numerous beds and themes including Sensory Gardens, Native gardens, Myrtaceae Gardens, Bedding Displays . 32 garden beds – 17 are part of Sensory Garden and 5 are part of Myrtaceae Garden</p>	<p><b>2006 major infrastructure and planting works by Landscape contractor Scape Shapes. Bedding displays initial and some later plantings by Friends. Myrtacea garden by Friends with USA youth group visiting city of GC. Sensory Gardens – major involvement of Rotary region and planting by Rotary and Friends</b></p>
<p><b>Story of our Country</b></p>	<p>Collaborative project between C of GC, Commonwealth Govt. Green Army and Conservations Volunteers Australia with design ideas provided by Yugambeh Museum.</p>	<p><b>2015</b> Planned by contractor, project works including landscape and planting by Green Army</p>



		with small scale planting day with Friends
<b>Friends Centre Gardens</b>	Provide colourful native garden to demonstrate use of Australian natives. Project construction by Skilling Queenslanders for Work, supervised by council with contractor project management.	<b>2012</b> Planting plan by Friends and contractor Planted by SQW & Friends
<b>Bamboo Island Gardens</b>	Provide weed free area for viewing birds at Bird Hide. Slight oriental influence due to bamboo	<b>2010</b> Contractor and contracted labour gardeners
<b>Lagoon renovation</b>	Provide remediation to lagoon edges with sedges, reeds etc. Collaborative project between C of GC, Commonwealth Govt Green Army and Conservations Volunteers Australia	<b>2016</b> Planned by C of GC; planted by Green Army with small community planting project supervised by Friends. Frog garden plan not yet implemented
<b>Curators Avenue</b>	Planted by Curators and Directors of Council of Heads of Botanic gardens Australia at BGANZ Conference held July 2008	<b>2008</b> Planned by C of GC
<b>Tree Fern Beds</b>	Planned by Labour hire contractor and planted by Labour hire. Plant cool shady glen along lake and remove environmental weeds from Rosser property.	<b>2008</b> by C of GC
<b>Central Buffer</b>	Planned by Lawrie Smith and PCG and Friends to screen neighbors from car park after consultation	<b>2009</b> Planting by Friends and adjacent neighbours <b>2012</b> Robina HS league for Life students top up planting planned and supervised Friends

<b>Car Park Regional Beds</b>	Planned by C of GC Gardens officer 2008, regional trees for shade and privacy from La Fontaine Residential estate after significant public outcry over loss of amenity and views. Later stage planned by Labour Hire Contractor	<b>2009</b> Planted by trainees and later stage by Labour Hire
<b>Bridge Gardens West</b>	Limit access to Lake Edge and prevent further erosion. Native plants suited to water table.	<b>2011</b> Planned by Labour hire contractor and Labour hire
<b>Callitris Bed</b>	Commemorate visit by Turkish artist to join with GC artists in 100 year anniversary of Gallipoli exhibition .	<b>2011</b> Planned Friends planted Turkish artists & guests

**PROCESS**

**Friends planning and planting process for areas listed and hatched green on map . This includes 40 community planting days scheduled from 2003 –2013. Numbers attending varied from 30 to 174. Total plants planted approx. 30,000 (includes massed grasses, ground covers, sedges etc)**

**Also numerous smaller scale planting days for school groups , youth groups, TAFE groups, professional groups and community NFP organisations as well as supplementary planting by Friends gardening group..**

**Arbor Day 2008 – 2017 annual planting event with GC school children- initiated by Council 2008 and organised and planned by Friends 2009 onwards.**

**Friends process –**

- After AGM each year Friends allocate preferred planting days for following year and discuss with HRG – 2003 – 2013 - 4 per year new gardens.  
**Note-** Planting days altered to infill and renovations with Friends MC reps agreement since 2013.

**2003 – 2013**

- Develop location, scope and later brief and discuss at PCG or HRG for approval
- Plan and plant selection - sketch concept and research and allocate plant species and quantities, or more detailed plan as required. PCG and later HRG approve project plan.

Sourcing and sometimes collecting plants from between Sunshine Coast and Nth. NSW growers. Friends volunteers stored and cared for plants at private residence until nursery developed 2012. Also stored and maintained by Friends in herbarium compound closer to planting day. Some plant sourcing by C of GC in 2003 – - 2005 and for several other planting days.



- Council staff prepare site including planting holes after marking out by Friends planting day coordinator and sometimes relevant council officers or contractor assist.
- Planting day promotion by Friends and council. Banners, media releases and interviews ABC 91.7 from 2003 to present , radio , emails etc
- Friends Planting Coordinator sets out plants early on planting day.
- Friends undertake induction of volunteers prior to planting
- Water in
- Mulch (not always by Friends and community , may be done by staff in following week)
- Maintenance is the role of gardens staff and Friends assist ( approx. volunteer hours 1200 – 1500 P.A plus)

#### REGIONAL COLLECTIONS TO BE IMPLEMENTED

- **Several zones of Mangroves to Mountains not yet implemented. Regional Collection incomplete.**
- **Brief created for Araucaria forest.**
- **Grant application lodged to clear camphors and extend Blackbutt Forest. (unsuccessful)**
- **Endeavour 2020 Garden with plants from coastal headlands to commemorate Australian plants**
- **Wallum heathland and mangroves**
- **Gum Tree Corridor understorey (it is not design intention to plant mid storey)**
- **Hillside plantings – dry and wet sclerophyll collections ( to reduce runoff, reduce mowing and create a new collection)**

#### NON REGIONAL GARDENS TO BE IMPLEMENTED

- **Children’s Garden**
- **World Gardens**
- **Final stage ethno-botanic collection**

