

EUCALYPT



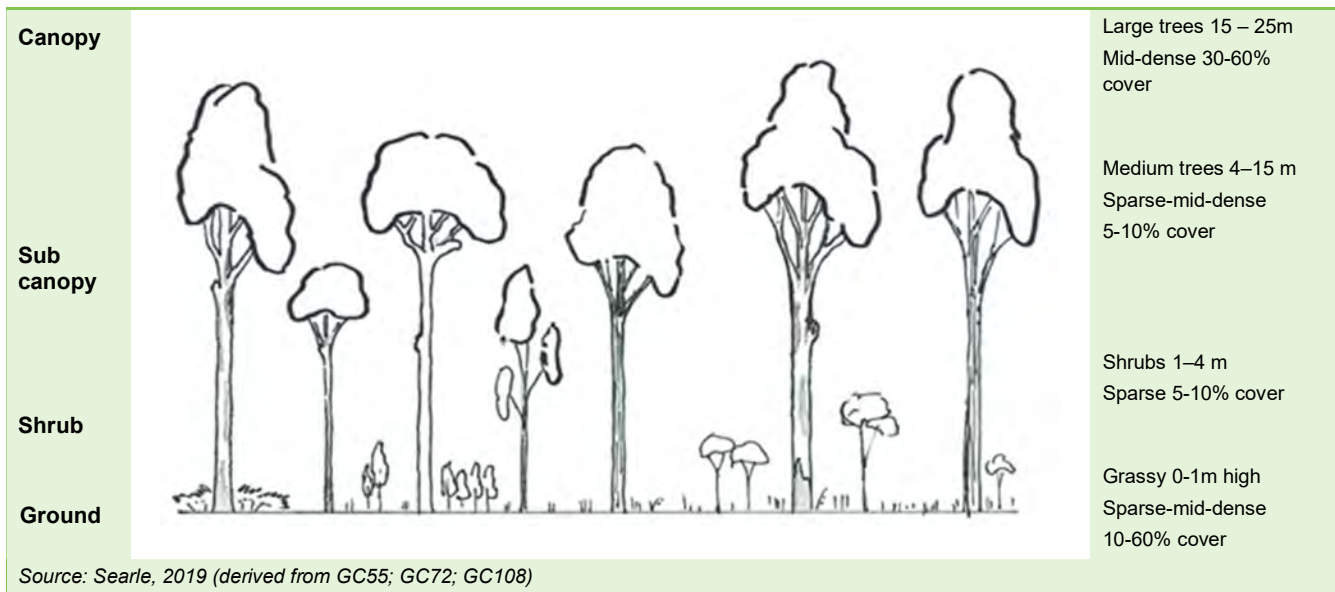
VEGETATION TYPE 6b

Regional Ecosystem: 12.9 – 10.7a

Forest Red Gum - Grey Ironbark - Pink Bloodwood - Brush Box (*Eucalyptus tereticornis* - *E. siderophloia* - *Corymbia intermedia* - *Lophostemon confertus*) Open Forest on Sedimentary Rocks

COMMUNITY STRUCTURE

Vegetation Type (VT) 6d has an open canopy layer 15m to 25m in height and providing 30% to 60% canopy cover (shading to understorey plants). Grey Ironbark (*Eucalyptus siderophloia*) and Pink Bloodwood (*Corymbia intermedia*) are the most common and characteristic canopy species, although Forest Red Gum (*Eucalyptus tereticornis*) is also often present. A sparse lower layer of trees, including Brush Box and Swamp Box (*Lophostemon suaveolens*, *L. confertus*) may also occur.



The shrub layer is typically sparse but may include moderate densities of shrubs to small trees, particularly Black She-oak (*Allocasuarina littoralis*) and Hickory Wattle (*Acacia disparrima*). Ground cover may be dense and includes a mixture of grasses and other native plants, although weeds may also be common.

Characteristic plant species

Approximately **64 native plants** species have been recorded for this vegetation type. Characteristic plant species for this vegetation type are listed below. Dominant (most numerous) species are shaded.



Indicates species is a preferred koala food tree*



Indicates species is a Glossy Black-Cockatoo feed tree species



Indicates species is a City-wide significant species

* It is noted that in addition to preferred food trees, koalas utilise a range of eucalypt and non-eucalypt tree species for supplemental feeding and other uses such as shelter. These other species are also important and necessary features of koala habitat.

CANOPY

Upper layer of vegetation exposed to sunlight which creates a canopy that shades lower layers



Grey Ironbark
Eucalyptus siderophloia



City of Gold Coast ©



Pink Bloodwood
Corymbia intermedia



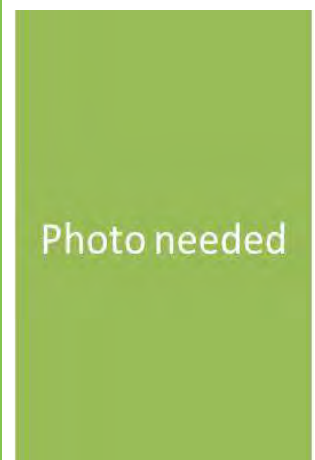
Brush Box
Lophostemon confertus



Forest Red Gum
Eucalyptus tereticornis



Lui Weber ©



Broad-leaved White Mahogany
Eucalyptus carnea

SUB-CANOPY

Tree layer below canopy



Brush Box
Lophostemon confertus



Black She-oak
Allocasuarina littoralis



Swamp Box
Lophostemon suaveolens

SHRUB LAYER

Middle layer of vegetation usually made up of small trees and woody shrubs



Black She-oak
Allocasuarina littoralis



Hickory Wattle
Acacia disparrima subsp. *disparrima*

GROUND LAYER AND VINES

Lowest layer of vegetation. Plant types can include grasses; graminoids (non-woody plants with a grass-like morphology); ferns; forbs (non-woody, broad-leaved, flowering plants) and vines (where present) may extend upwards into the canopy.



Blady Grass
Imperata cylindrica
GRASS



Kangaroo Grass
Themeda triandra
TUSSOCK GRASS



Gracefull / Pademelon Grass
Ottochloa gracillima
GRASS



Barbwire Grass
Cymbopogon refractus
GRASS

City-wide significant plant species



The City of Gold Coast recognises species which are locally significant as City-wide significant (CWS) species. These species are important because they may be threatened, restricted to the Gold Coast, or at the edge of their geographic range. In addition to characteristic species identified above as CWS species, the following CWS plant species may also be present in this vegetation type.



Broad-leaved Pink Tongues
Rostellularia obtusa
FORB



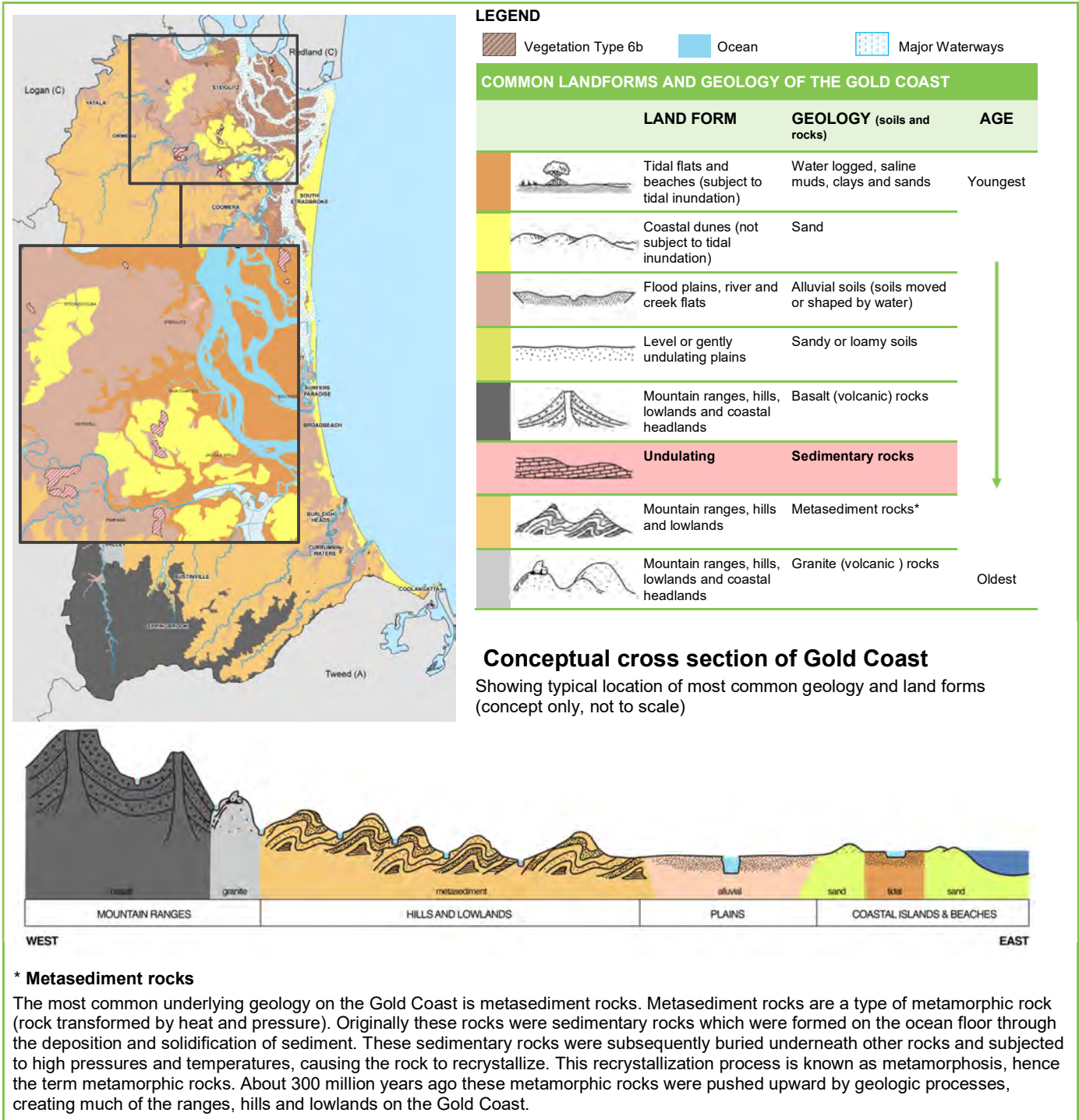
Brisbane Silkpod
Parsonsia brisbanensis
VINE

OCCURRENCE

Native plants occur in vegetation communities, which are consistently associated with a particular soil type, landform (shape of the land, e.g. hills or plains) aspect (position on a slope in relation to the sun) and climate.

This vegetation type is of limited occurrence, occurring on low sandstone hills in the north-eastern part of Gold Coast City around Ormeau, Yatala and Staplyton. It occurs on more fertile areas of sandstone with good moisture and organic content, including areas which incorporate alluvium from adjoining vegetation types. It often adjoins or transitions into VT6 or VT8 (Forest Red Gum open forest or Broad-leaved Paperbark open forest on alluvium respectively).

Historic distribution of Vegetation Type 6b



2017 EXTENT AND CONSERVATION STATUS

Gold Coast

The current extent* of this vegetation type on the Gold Coast is 71 hectares.

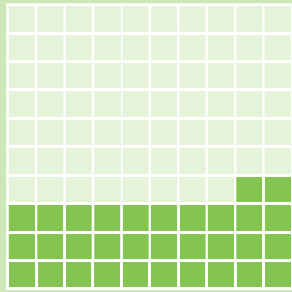
1 HECTARE (HA) = 2.46 ACRES ≈ THE SIZE OF AN INTERNATIONAL RUGBY FIELD

EXTENT (ha)

Historic
221ha

2017*
71ha

32% of
historical
extent



* Extent as mapped in 2017. Includes remnant vegetation only. Does not include disturbed remnant or regrowth

Queensland

The conservation status of vegetation in Queensland is specified under *the Vegetation Management Act 1999*, which lists this regional ecosystem (RE 12.9 – 10.7a) as being 'Of Concern'.

LIKELIHOOD OF BECOMING EXTINCT (in QLD) due to biodiversity loss/degradation



USEFUL RESOURCES

City of Gold Coast website: Environmental weeds and invasive plants.

Find out more about regional ecosystems at the Queensland Government Regional Ecosystems webpage.

CREDITS

Content – ngh Environmental and Jason Searle.
Vegetation Type Photo – Lui Weber ©
Unless otherwise noted all other photos – Glenn Leiper ©

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THREATS

Forest Red Gum/Ironbark woodland on sedimentary rocks occurs on fertile soils, and consequently has been cleared over considerable tracts of its former distribution. It is subject to ongoing pressure for clearing for urban and semi-rural development, and is also fragmented by development and land clearing. It is subject to infestation weeds, including Lantana, Easter Cassia, Corky Passionflower, Camphor Laurel and Guinea Grass are especially in areas where disturbance or fragmentation have opened up the canopy layer.

Common threats to all vegetation types

Clearing

Native vegetation is protected by Federal, State and local legislation. However, with increasing population growth in the region, Southeast Queensland is experiencing large amounts of vegetation clearing, particularly in areas designated for urban development. Protecting native vegetation on your property is one of the most beneficial things you can do to protect wildlife and the natural environment.

Weeds

Environmental weeds are the second biggest threat to our natural environment after land clearing. Environmental weeds (introduced plants that have naturalised and are invading our bushland) degrade our natural environment by:

- out competing native plant species for available nutrients and light,
- taking over and transforming native landscapes often leading to local plant or animal extinctions and loss of biodiversity,
- reducing the availability of food and other resources for many native animals whilst sometimes benefiting pest animals,
- increasing the risk of destructive wildfire,
- often being toxic to people and animals.

Fire

Very broadly, vegetation types are either adapted to fire or fire sensitive. Fire can become a threat if:

- it extends into vegetation types which should not be burnt e.g. rainforest,
- the frequency and/or intensity of the fire is too high,
- the area burnt is too large.

Grazing

The grazing of animals like cattle, horses, goats and feral animals such as deer can cause trampling or loss of diversity of seedlings and compact soil, preventing natural regeneration.

Collecting

Unethical and illegal collection of plant specimens in the wild poses a serious threat to some species, particularly orchids, grass trees and epiphytes.

Climate change

Changes in temperature and rainfall can have significant effects on our city's vegetation. For example, without consistent rainfall, areas become drier, potentially resulting in higher fire frequency and/or intensity, which some plants and vegetation communities won't be able to tolerate. Plants (and animals) need available space to migrate as conditions change, with high altitude species at the greatest risk as there is nowhere suitable for them to go. Warmer conditions may also provide the right habitat for a greater variety of weeds. As sea levels rise, salt water moves further upstream and vegetation also becomes inundated.