

Plants of '*Grasstrees*', Bolivia Range NSW

Compiled by Ross A. McKenzie

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Introduction

Grasstrees is a post-pastoral freehold property of 136 hectares in area managed as a private nature reserve with eco-tourist accommodation by Trisha & John Stadtmiller. *Grasstrees* is contracted to the New South Wales Biodiversity Trust as Conservation Area (CA) No. CA0476, Property ID. 3442370 (2021). It sits on the Bolivia Range opposite the Bolivia Hill Nature Reserve, on the western side of the New England Highway, 35 km south of Tenterfield, New South Wales. Its position is at 29° 18' S 151° 54' E and an altitude of about 1000 m above sea level. *Grasstrees* occupies the north-eastern slopes of high ridges at the western end of the range, with a series of spurs and gullies draining to the Deepwater River to their north. *Grasstrees*' northern neighbour is the long-established *Bolivia* pastoral station on the river flats below.

Grasstrees lies in the **Northern Tablelands** botanical division of New South Wales (Harden 2000). The vegetation type is **Northern Tableland Dry Sclerophyll Forest** of the subtype growing on leucogranite (Keith 2004) and has shallow gritty sandy soils consisting of Bolivia Hill leucoadamellite (Williams & Hill 2001). Large granite outcrops are a feature of the property. Much of the mature tree cover was poisoned or ring-barked in the last decade of the twentieth century and the block excised from the more westerly and much larger *Highfield* pastoral holding, a sheep run at the time. The current owners of *Grasstrees* have been in control since 2009 and are allowing natural regeneration of the native plant communities on the block. Fire has been suppressed on the block during this time. A moderate-intensity bushfire (not involving crowns of forest trees) burned through the whole property in November 2019. Native grazing-browsing terrestrial mammals resident on *Grasstrees* include common wallaroos (*Macropus robustus*), swamp wallabies (*Wallabia bicolor*) and red-necked wallabies (*Macropus rufogriseus*) as well as arboreal brush-tailed possums (*Trichosurus vulpecula*). Eastern grey kangaroos (*Macropus giganteus*) are itinerant visitors. Current feral mammal threats to the flora are rabbits, goats and pigs. Feral fallow deer have been seen occasionally. Cattle from the neighbouring pastoral property *Highfields* still had sporadic access to *Grasstrees*

in small numbers until the boundary fence was improved in 2018; these are now excluded. An exclusion fence aimed at feral goats was erected in 2018 around part of the property containing an endangered *Pimelea venosa* population, but was damaged in places in the 2019 bushfire.

In the lists below, plant species are arranged within broad major categories that reflect the structure of the local vegetation: **1 Trees, 2 Shrubs, 3 Ground layer.** Within these categories they are listed alphabetically by botanical name under their particular plant families. Plant family classification is that used in the *Flora of New South Wales* (Harden 2000). Distinctive groups of plants are highlighted within the major categories: **1.2 Mistletoes, 3.1 Ferns, 3.2 Grasses, 3.3 Sedges, 3.4 Flowering forbs – dicots, 3.5 Flowering forbs – other monocots, 3.6 Orchids. Lichens (section 4.)** are also included but have barely been researched. Introduced exotic species (not native to Australia) are denoted by an asterisk (*) in front of the botanical name. These last plants are commonly weedy. The abbreviation [syn.] after a botanical name indicates a synonym (an alternative or superseded name).

Plants specimens collected periodically from *Grasstrees* by Dr R.A. McKenzie have been deposited in the permanent collection of the Queensland Herbarium [BRI] at the Mt. Coot-tha Botanical Gardens in Toowong, Brisbane. Dr McKenzie's collector numbers (RAM [year]/[sequential collection number within that year]) and the herbarium's acquisition numbers (BRI AQ xxxxxx) are listed against the plants concerned.

Abbreviations used for plant parts photographed: WP = whole plant, Fl = flower, Fr = fruit (seed capsules, pods, etc.), Lvs = leaves

Overview: number of taxa recognised

| Plant Taxa | Named | Herbarium vouchered† | Comment |
|---|------------|--|---------------------------------------|
| Trees | 28 | 12 | |
| Mistletoes | 5 | 3 | |
| Vines | 10 | 1 | |
| Shrubs | 45 | 26 | |
| Ferns | 12 | 1 | |
| Grasses | 16 | 11 | Under-explored; more taxa anticipated |
| Sedges | 6 | 0 | |
| Forbs (dicots) | 58 | 21 | |
| Forbs (monocots) | 17 | 6 | |
| Orchids | 18 | 4 | |
| | | | |
| Lichens | 6 | 6 | Under-explored; more taxa anticipated |
| | | | |
| *Exotic (non-native) taxa included in the above | 25 | 5 | |
| | | | |
| Total | 221 | 91 | |
| | | †3 other taxa had their identity confirmed by the herbarium, but for various reasons the specimen was not retained | |

About this version

This document should **not** be taken as **either comprehensive or complete**. The bulk of *Plants of Grasstrees* was an attempt to list the major species present on *Grasstrees* using observations and collections made during 2009-17. Additions were then made up to the first flush of growth after the 2019 bushfire on *Grasstrees* and then on visits from 2023. Additional species were added as they came to our attention and could be identified. Further work is needed on all aspects, particularly on grasses and lichens. Future versions are expected to further expand all these lists.

1. Tree Layer

1.1. Trees (woody plants over 2-3 m tall) [27 taxa]

1.1.1. Conifers [Gymnosperms] (Cone-bearing plants) [1 taxon]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------------|-----------------------------|--------------------|---|--|--|---------------------------|
| Cupressaceae | | | | | | |
| | <i>Callitris endlicheri</i> | Black cypress pine | Locally common; Old Campsite spur, Horse's Hoof; Wave Rock; Shooting Gallery [Rare, threatened]; mature trees killed by 2019 fire | <ul style="list-style-type: none"> Upright pine tapering to a peak (pyramidal) Cones | | WP, ♀ cones, open Fr, Lvs |
| | | | | | | |

1.1.2. Angiosperms (Flowering plants) [26 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------|-------------------------------|--|--------------------------------|--|--|--------------------------------------|
| Casuarinaceae | | | | | | |
| | <i>Allocasuarina torulosa</i> | Forest 'oak', she-oak | Common, widespread | <ul style="list-style-type: none"> • Upright 'shaggy' tree • Separate male & female flowers • Knobbly hard fruit (cones) • Fine drooping branchlets ('leaves') • Thick deeply-fissured bark | RAM15/17; BRI AQ876882 | WP, ♀ Fl, ♂ Fl, Fr, Lvs (branchlets) |
| Celastraceae | | | | | | |
| | <i>Maytenus silvestris</i> | Orange Bark, Orange Bush, Narrow-leaved orangebark | Uncommon | <ul style="list-style-type: none"> • Upright compact tree • Leaves simple elongated • Fruit yellow berries | | WP, Fr, Lvs [Fr – TrishaS] |
| Mimosaceae | | | | | | |
| | <i>Acacia filicifolia</i> | Fern-leaved | Uncommon | <ul style="list-style-type: none"> • Yellow ball flowers | | Lvs [TrishaS] |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|-------------------------|---------------------------------|---|--|--|-----------------------------------|
| | | wattle | | <p>in heads of 20-30 flowers</p> <ul style="list-style-type: none"> • Leaves (true leaves, not phyllodes) bipinnate ('ferny') • Glands conspicuous at the base of pinnae pairs and between pairs along rachis • Rachis hairy above, smooth below | | 14Jan24] |
| | <i>Acacia fimbriata</i> | Fringed wattle, Brisbane wattle | Common, widespread; regrowth from seed after 2019 fire | <ul style="list-style-type: none"> • Yellow ball flowers in long sprays (racemes) in leaf-stem junctions; July-November • Phyllodes ("leaves") short 2-5 cm long, narrow 2-5 mm wide, more or less straight with finely hairy edges (need x 10 lens), 1 gland near the base (just visible without lens) • Pods more or less straight and flat | RAM10/175 [identity confirmed but specimen not retained by herbarium: already recorded from the collection locality (Bolivia Hill)] | WP, Fl, Fr, Lvs |
| | <i>Acacia implexa</i> | Lightwood, Hickory wattle | Uncommon: about 10 specimens towards the end of the Cave spur | <ul style="list-style-type: none"> • Pale lemon ball flowers in clusters in leaf-stem junctions; December-January • Phyllodes ("leaves") | RAM23/01 BRI AQ952658 | WP, Fl, Lvs [Lvs, Buds – TrishaS] |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|----------------------------|--------------------------------|--|---|--|-----------------------|
| | | | (Dec 2020); 4 mature specimens + seedlings (Jan 2023); 3-5 saplings at Eagle's Nest (Jan 2023) | <p>sickle-shaped (falcate) 7-20 x 0.6-2.5 cm</p> <ul style="list-style-type: none"> • Pods long coiled & twisted | | |
| | <i>Acacia neriifolia</i> | Silver wattle, Oleander wattle | Abundant, widespread; abundant regrowth from seed after 2019 fire | <ul style="list-style-type: none"> • Yellow ball flowers in clusters (racemes) in 'leaf'-stem junctions; June-October • Phyllodes ("leaves") slightly curved, long narrow • Pods long, narrow, flattened, slightly curved, pinched around seeds | RAM15/26 BRI AQ876848 | WP, Fl, Fr, Lvs |
| | <i>Acacia pycnostachya</i> | 'Bolivia Hill' wattle | Rare, threatened (endangered); about 30 plants in one location beside entrance road; about 10 plants near Shooting Gallery | <ul style="list-style-type: none"> • Yellow flowers in spikes in 'leaf'-stem junctions; late winter-spring • Phyllodes ("leaves") sickle-shaped (falcate), 6-10 cm long with many long veins • Pods leathery, more or less straight and flat; summer | RAM15/31 BRI AQ876853 | WP, Lvs, Buds, Fl, Fr |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-----------|-----------------------------|--------------------------------|--|---|--|------------------------|
| | <i>Acacia venulosa</i> | Woolly wattle, Veiny wattle | Uncommon: Horse's Hoof spur, growing with <i>Stypandra glauca</i> ; regrowth after 2019 fire not observed to 2023 | <ul style="list-style-type: none"> • Yellow ball flowers in leaf-stem junctions; June-November • Phyllodes ("leaves") sickle-shaped (falcate) • Pods straight, woolly | RAM15/29 BRI AQ876851 | Lvs, Bud, Fl |
| | | | | | | |
| Moraceae | | | | | | |
| | <i>Ficus rubiginosa</i> | Port Jackson fig, Rusty fig | Common, widespread | <ul style="list-style-type: none"> • Broad leaves • Red shoots at branch ends • Small oval fruits, yellow then red when ripe | | WP, Lvs, Fr |
| | | | | | | |
| Myrtaceae | | | | | | |
| | <i>Angophora floribunda</i> | Rough-barked apple | Common – Old Campsite Spur incl. Horse's Hoof; Creek line | <ul style="list-style-type: none"> • Dense crown • Opposite smooth broad tapering leaves 8-12 cm long x 2-3 cm wide, leaf base tapered (acute), leaf stalk 8-12 mm • White flowers • 'Gum nuts' with external ribs | | WP, Bark, Buds, Fl, Fr |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|---|--|--|--|--|--------------------------------|
| | <i>Angophora subvelutina</i> | Broad-leaved apple | Common – The Dungeon | <ul style="list-style-type: none"> • Opposite bristly (hispid) broad tapering leaves 7-10 cm long x 3-5 cm wide, leaf base 'square' (cordate). leaf stalk 0-2mm | | WP, Bark, Lvs |
| | <i>Eucalyptus andrewsii</i> subsp. <i>campanulata</i> | Gum-topped peppermint, New England blackbutt | Common, widespread - 'Gatehouse hill', The Cave spur, The Old Campsite spur, The Dungeon | <ul style="list-style-type: none"> • Peppermint-type bark • Upper branches smooth | RAM15/15 BRI AQ876880 RAM16/03 BRI AQ876814 | WP, Bark, Bud, Fr |
| | <i>Eucalyptus banksii</i> | Tenterfield woollybutt | Uncommon | <ul style="list-style-type: none"> • Box bark, • Buds, caps hemispherical • Flowers white; January-April • Gum nuts squat, closely-attached to stems | | |
| | <i>Eucalyptus blakeyi</i> | Blakely's red gum | Common –lower Birdland Creek/Road; Birdland; Old Campsite Spur north of & below Horse's Hoof (about 6 trees) | <ul style="list-style-type: none"> • Gum bark; sheds to mottled surface or white, grey, yellow or pink • Buds elongated, scar present, cap horn-shaped, much longer than nut • Flowers white (rarely pink); | RAM17/14 BRI AQ826506 RAM17/18 BRI AQ826507 | WP, Bark, Buds, Fl, Fr, Leaves |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|---|--------------------------|---|--|--|-------------------------|
| | | | 'Koala tree' plantings | <p>August-December</p> <ul style="list-style-type: none"> • Gum nuts globular, thick rim, usually 4 valves protruding (exserted) | | |
| | <i>Eucalyptus boliviana</i> (Williams & Hill 2001) | Bolivia Hill stringybark | Rare (2 specimens surviving in 2023 from those transplanted from Bolivia Hill Nature Reserve) – Home Ridge near residence & north of road outside wooden double gate | <ul style="list-style-type: none"> • Stringy bark • Mallee growth habit • Branches 4-winged • Yellow flowers • Gum nuts clustered on stems, nuts with midline flange | | Sapling |
| | <i>Eucalyptus bridgesiana</i> subsp. <i>bridgesiana</i> | Apple box | Uncommon - Creek line at Crescent Crossing No.1?; Front Gate? 'Koala tree' plantings | <ul style="list-style-type: none"> • Box bark (rough & persistent over whole trunk and major branches) • Buds, scar present, cap conical • Flowers white; January-May • Gum nuts globular, thick rim, 3 (4) valves protruding (exserted) | | WP, Bark [?] |
| | <i>Eucalyptus caleyi</i> | Caley's ironbark | Common - The Cave spur, foot of Gatehouse | <ul style="list-style-type: none"> • Ironbark • Buds, cap conical • Flowers white; May- | RAM16/01 BRI AQ876816 | WP, Lvs, Buds, Fr, Bark |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|---|---|---|--|--|---|
| | | | Hill | February <ul style="list-style-type: none"> Gum nuts | | |
| | <i>Eucalyptus caliginosa</i> | New England stringybark, Broad-leaved stringybark | Common, widespread – The Gatehouse; Old Campsite Spur; The Dungeon; The Road Dam (vouchered) 'Koala tree' plantings | <ul style="list-style-type: none"> Stringybark Buds ovoid, cap conical Flowers white, 7+ in a cluster; April-June Gum nuts on short stalk, rounded, thick rim, 3-4 valves usually protruding (exserted) | RAM15/25 BRI AQ876881 | WP, Buds, Fl, Fr, Bark, Juvenile Lvs, Adult Lvs |
| | <i>Eucalyptus interstans</i> [syn. <i>E. disclusa</i>] | Narrow-leaved cabbage gum | Common - Eagle's Nest area, Old Campsite spur | <ul style="list-style-type: none"> Gum bark Buds yellow-green, cap longer than base, cylindrical with rounded top Flowers; November-December Gum nuts globular, thick rim, 4 valves protruding (exserted) in a long 'beak' | RAM15/19 BRI AQ876872 | WP, Lvs, Buds, Fr, Bark |
| | <i>Eucalyptus melliodora</i> | Yellow box, Honey box, Yellow ironbox | Common | <ul style="list-style-type: none"> Box bark, rough & very variable on lower trunk, smooth whitish on upper trunk – a gum- | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|--|-------------|--|---|--|-------------------------|
| | | | | topped box <ul style="list-style-type: none"> • Buds pale lemon yellow, cap conical or beaked • Flowers white (sometimes pink); September-February • Gum nuts globular, thick rim, disc descending, usually 5 valves not protruding (to rim or enclosed) | | |
| | <i>Eucalyptus prava</i> [syn. <i>E. bancroftii</i> p.p.] | Orange gum | Common - The Cave spur, Wave Rock, Water Reserve | <ul style="list-style-type: none"> • Gum bark, patchy grey or grey-brown, shed in large plates or flakes, orange or red-brown when newly exposed • Buds cylindrical, cap longer than base, slightly pointed, with a surface bloom (glaucous) • Flowers white; November-January • Gum nuts in tight clusters, 6-10 mm globular to conical, raised disc, 4 valves protruding (exserted) | RAM16/02 BRI AQ876815 RAM17/05 BRI AQ522526 | WP, Bark, Buds, Fr, Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|----------|---|----------------------|--|---|--|-----------------------|
| | <i>Eucalyptus youmanii</i> | Youman's stringybark | Common? | <ul style="list-style-type: none"> • Stringybark • Buds fusiform, angular • Flowers white, 7-flowered clusters; June-August • Gum nuts attached closely to stem or with short stalk, rounded, disc broad & steeply sloped upwards, 4-5 valves, usually protruding (exserted) | | |
| | | | | | | |
| Oleaceae | | | | | | |
| | <i>Notelaea microcarpa</i> var. <i>microcarpa</i> | Native olive | Common; mature trees rare - several specimens near Thunderbolt's Cave; 1 specimen on 'Gatehouse Hill'; 2 specimens at north end of Cave Spur; young saplings common [browsed by goats, rabbits?] | <ul style="list-style-type: none"> • Small tree 4-10 m tall x 4m across • Long narrow tapered leaves with prominent veins on upper surface in opposite pairs • Flowers; spring • Fruit small globular • Thick lower bark, smooth grey upper bark; grey smooth bark in saplings | RAM16/04 Fr BRI AQ876817 RAM17/08 Fl BRI AQ923010 | WP, Fl, Fr, Lvs, Bark |
| | | | | | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------|--|---|--|--|--|-----------------------|
| Proteaceae | | | | | | |
| | <i>Banksia integrifolia</i> var. <i>compar</i> | Coastal banksia, white banksia, honeysuckle oak | Common locally - lower areas, creek-line; Gatehouse Garden | <ul style="list-style-type: none"> • Upright small tree, large specimens to 20 m tall • Pale yellow dense cylindrical flower spikes • Elongated leaves with smooth margins, shiny green above and white beneath | | WP, Bark, Lvs, Fl, Fr |
| | | | | | | |
| Santalaceae | | | | | | |
| | <i>Exocarpos cupressiformis</i> | Cherry ballart | Uncommon | <ul style="list-style-type: none"> • | | |
| | | | | | | |
| Sterculiaceae | | | | | | |
| | <i>Brachychiton populneum</i> | Kurrajong | Common, widespread | <ul style="list-style-type: none"> • Grey bark • Lobed leaves • Cream & red bell-like flowers • Boat-shaped pods with yellow seeds embedded in a prickly matrix | | WP, Fl, Lvs |
| | | | | | | |
| Ulmaceae | | | | | | |
| | <i>Trema tomentosa</i> | Poison peach | Uncommon; House Ridge, Eagle's Nest | <ul style="list-style-type: none"> • Small tree, grey bark • Drooping leaves, serrated edges | | WP, Fl, Fr, Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|----------------|-------------|--------------------------------|--|--|------------|
| | | | | <ul style="list-style-type: none"> • Small white flowers • Small black berries | | |
| | | | | | | |
| | | | | | | |

1.2. Mistletoes (flowering plants parasitic on tree limbs) [5 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------------|--|----------------------------------|--|---|--|------------|
| Loranthaceae | | | | | | |
| | <i>Amyema cabbagei</i> | Needle-leaf or she-oak mistletoe | Seen on <i>Allocasuarina torulosa</i> (forest she-oak) | <ul style="list-style-type: none"> • | | |
| | <i>Amyema pendula</i> subsp. <i>longifolia</i> | Drooping mistletoe | Common, widespread - Seen on <i>Eucalyptus caliginosa</i> (New England stringybark), <i>E. andrewsii</i> (gum-topped peppermint), <i>Angophora</i> | <ul style="list-style-type: none"> • Long thin leaves • Dull red flowers • Fruits fleshy berries | RAM15/16 BRI AQ876883 | WP, Fl, Fr |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-----------|-------------------------------|-------------------------------------|---|--|--|------------|
| | | | <i>floribunda</i> (rough-barked apple) trees | | | |
| | <i>Muellerina bidwillii</i> | Callitris or cypress pine mistletoe | Seen on <i>Callitris endlicheri</i> (black cypress pine) | <ul style="list-style-type: none"> • Dense 'ball' on tree branch • Leaves elongated fleshy • Flowers pendulous, tubular with 5 long lemon-yellow petals peeling back banana-like (reflexed) from half-way down the tube, dark red bunched stamens | RAM16/29 BRI AQ857645 | WP, Fl |
| | | | | | | |
| Viscaceae | | | | | | |
| | <i>Notothixos cornifolius</i> | Kurrajong mistletoe | Seen on <i>Brachychiton populneus</i> (kurrajong) trees | <ul style="list-style-type: none"> • Broad leaves • Tiny green flowers in clusters • Fruits fleshy berries | RAM15/21 BRI AQ876874 | WP, Fl, Fr |
| | <i>Notothixos subaureus</i> | Golden mistletoe | Seen on <i>Amyema pendula</i> on <i>Eucalyptus caliginosa</i> (New England stringybark) | <ul style="list-style-type: none"> • Plant covered with golden tomentum (short soft hairs) • Broad leaves • Tiny green flowers in clusters • Fruits fleshy berries • On other mistletoes (hyperparasite) | | WP |
| | | | | | | |

1.3. Vines (climbers & creepers) [10 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------------|------------------------------|---------------------|---|--|--|--------------------------------|
| Dicotyledons | | | | | | |
| Bignoniaceae | | | | | | |
| | <i>Pandorea pandorana</i> | Wonga vine | Uncommon – The Dungeon | <ul style="list-style-type: none"> • White tubular flowers in bunches • | | Lvs (juvenile) [Fl Trisha S] |
| Convolvulaceae | | | | | | |
| | <i>Polymeria calycina</i> | Slender bindweed | Common after 2019 bushfire | <ul style="list-style-type: none"> • | | [WP, Fl, Lvs - Trish S 2Feb20] |
| | <i>Dichondra repens</i> | Kidney weed | Common after 2019 bushfire | <ul style="list-style-type: none"> • | | Lvs [Trish S Aug20] |
| Cucurbitaceae | | | | | | |
| | * <i>Cucumis myriocarpus</i> | Prickly paddy-melon | Uncommon; in disturbed areas (roadside) – noted after bushfire 2020 | <ul style="list-style-type: none"> • Vine, scrambler • Flowers yellow • Fruit globular with soft prickles; marked in segments when unripe, yellow when ripe | | |
| Fabaceae | | | | | | |
| | <i>Hardenbergia violacea</i> | Native sarsparilla | Common | <ul style="list-style-type: none"> • Creeper • Leaves simple, broad, tapering • Flowers purple pea-type | | WP, Fl, Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|----------------|--|-----------------|--------------------------------|--|--|-------------------|
| | | | | in spikes | | |
| | <i>Glycine canescens</i> | Silky glycine | Common, widespread | <ul style="list-style-type: none"> • Creeper • Trifoliolate leaves • Purple pea-type flowers | | WP, Fl |
| | <i>Glycine clandestina</i> [?] | | Common [?] | <ul style="list-style-type: none"> • Creeper • Trifoliolate leaves • Pink pea-type flowers | | Fl, Lvs [TrishaS] |
| | <i>Glycine microphylla</i> | | Common [?] | <ul style="list-style-type: none"> • Creeper • Trifoliolate leaves, long narrow leaflets • Pink pea-type flowers | | Fl, Lvs |
| | | | | | | |
| Menispermaceae | | | | | | |
| | <i>Stephania japonica</i> var. <i>discolor</i> | Snake vine | Common locally; The Caves spur | <ul style="list-style-type: none"> • Vine, creeper • Leaves heart-shaped (peltate) • Fruit red berries (drupes) in clusters | | WP, Lvs, Fl, Fr |
| | | | | | | |
| Pittosporaceae | | | | | | |
| | <i>Billardiera scandens</i> | Apple berry | Uncommon – Home Ridge | <ul style="list-style-type: none"> • Creeper • Drooping cream-green tubular flowers • Elongated plump hairy fruit | | WP, Fl, Fr |
| | | | | | | |
| Ranunculaceae | | | | | | |
| | <i>Clematis glycinoides</i> | Old Man's beard | Uncommon – Gatehouse Hill | <ul style="list-style-type: none"> • Creeper • White flowers, long thin petals | RAM10/167 BRI AQ863091 | WP, Fl |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-----------------|------------------------------|--------------|--------------------------------|--|--|------------|
| Monocots | | | | | | |
| Luzuriagaceae | <i>Eustrephus latifolius</i> | Wombat berry | Uncommon, widespread | <ul style="list-style-type: none"> • Creeper • White fringed flowers, 6 petals • Orange berries splitting to reveal black seeds in white pith | | WP, Fl |
| | | | | | | |

2. Shrub Layer

2.1. Shrubs (woody plants to about 2-3m tall) [45 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------|------------------------------|--|--------------------------------|--|--|-------------|
| Asteraceae | | | | | | |
| | <i>Cassinia quinquefaria</i> | Dead finish, Wild rosemary, Cough bush | Common, widespread | <ul style="list-style-type: none"> • Upright shrub • Yellow-White flowers in clusters (strong smell of nectar when flowering) • Narrow leaves | RAM23/05 BRI AQ1040701 | WP, Fl, Lvs |
| | <i>Olearia elliptica</i> | Sticky daisy-bush | Uncommon - (1 | <ul style="list-style-type: none"> • White daisy-type flowers | RAM14/01 | WP, Fl, Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------|---------------------------------|-----------------|--------------------------------|--|--|----------------------------|
| | | | shrub known from western spur) | <ul style="list-style-type: none"> with yellow centres Large sticky leaves | BRI AQ876629 | |
| | <i>Olearia ramosissima</i> | Blue daisy-bush | Uncommon – Old Campsite spur | <ul style="list-style-type: none"> Blue flowers Very small leaves | RAM15/20 BRI AQ876873 | WP, Fl, Lvs |
| | | | | | | |
| Caesalpiaceae | | | | | | |
| | <i>Senna odorata</i> | | Uncommon– Old Campsite spur | <ul style="list-style-type: none"> Yellow flowers | | WP, Fl |
| | | | | | | |
| Epacridaceae | | | | | | |
| | <i>Leucopogon melaleucoides</i> | A beard heath | Uncommon - south of Back Dam | <ul style="list-style-type: none"> Upright compact shrub Lance-head-shaped leaves with points White tubular flowers, hairy inside | RAM15/34 BRI AQ876856 | WP, Fl, Lvs [Fl - TrishaS] |
| | <i>Leucopogon muticus</i> | A beard heath | Uncommon - Old Campsite spur | <ul style="list-style-type: none"> Upright spreading shrub White tubular flowers, hairy inside | RAM15/30 BRI AQ876852 | WP, Lvs, Fl |
| | <i>Melichrus urceolatus</i> | Urn heath | Abundant, widespread | <ul style="list-style-type: none"> Low compact shrub White tubular flowers Prickly leaves | | WP, Fl, Lvs |
| | <i>Melichrus procumbens</i> | Jam tarts | Uncommon – near The Residence | <ul style="list-style-type: none"> Mat-like dwarf shrub Leaves in closely-packed whorls Flowers 5-petals pale greenish white with abundant nectar | RAM17/01 BRI AQ522529 | WP, Fl, L |
| | | | | | | |
| Fabaceae | | | | | | |
| | <i>Aotus subglauca</i> | | Uncommon – | <ul style="list-style-type: none"> Low compact shrub | RAM10/163 | WP, Fl, Fr |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|-------------------------------|----------------------|--|---|--|-----------------------------|
| | <i>var. subglauca</i> | | Home Ridge | <ul style="list-style-type: none"> Yellow-brown pea-type flowers | BRI AQ863087 | |
| | <i>Daviesia acicularis</i> | Sandplain bitter pea | Rare – Eagle's Nest (about 5 plants); no regrowth to 2023 after 2019 fire | <ul style="list-style-type: none"> Low prickly shrub Narrow pointed phyllodes ("leaves") Flowers yellow & red pea-type; August-October Pods flat, D-shaped | RAM17/16 BRI AQ826503 | WP, Fl, Lvs, [Fl - TrishaS] |
| | <i>Hovea apiculata</i> | | Locally common - Horse's Head, northern end Old Campsite Spur; regrowth slow after 2019 fire | <ul style="list-style-type: none"> Upright shrub Purple pea-type flowers in axillary clusters of 3; late July/August-September Leaves narrow oblong, hairless glossy green-dull grey above, dense grey-tan hairs beneath | RAM15/27 BRI AQ876849 | WP, Fl, Fr, Lvs |
| | <i>Hovea heterophylla</i> | | Uncommon – Eagle's Nest, Old Campsite spur | <ul style="list-style-type: none"> Low ground-hugging spreading shrub Leaves in 2 forms: lower circular to elliptical, upper elongated; hook on leaf end Flowers mauve, 1-3 in leaf-stem junctions; late July/August-October | RAM15/32 BRI AQ876854 | WP, Fl, Lvs |
| | <i>Indigofera adesmifolia</i> | Tick indigo | Uncommon – Cave Spur, Gatehouse Hill | <ul style="list-style-type: none"> Upright shrub Compound leaves, flattened striped midrib, tiny leaflets | RAM10/169 BRI AQ863106 | WP, Fl |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-----------|--|--------------------------|--|--|---|---------------------------|
| | | | | <ul style="list-style-type: none"> • Pink pea-type flowers | | |
| | <i>Jacksonia scoparia</i> | Dogwood, Broom bush | Common, widespread – Eagle's Nest; Old Campsite Spur | <ul style="list-style-type: none"> • Tall upright shrub to small tree • Leafless branches • Golden yellow pea-type flowers | | WP, Fl |
| | <i>Mirbelia speciosa</i> subsp. <i>speciosa</i> | | Uncommon - Old Campsite spur, Horse's Hoof | <ul style="list-style-type: none"> • Purple pea-type flowers; June-September | RAM15/33 BRI AQ876855 | WP, Lvs, Fl, Fr |
| | | | | | | |
| Myrtaceae | | | | | | |
| | <i>Harmogia densifolia</i> [syn. <i>Babingtonia densifolia</i> , <i>Baeckea densifolia</i>] | | Uncommon [Rare] – Old Campsite spur, Horse's Hoof; local natives garden | <ul style="list-style-type: none"> • Small shrub, arching branches • White flowers, spring | RAM16/28 BRI AQ857644 | WP. Lvs, Fl |
| | <i>Homoranthus croftianus</i> | Bolivia Hill homoranthus | Rare (transplanted from Bolivia Hill Nature Reserve) – Home Ridge, Gatehouse Garden | <ul style="list-style-type: none"> • Shrub erect to 2 m tall • Leaves 2.5-11 mm long, cylindrical (terete) & pointed • Flowers greenish to cream or red, 5-6 mm long; September-January | | WP, Fl (white, pink), Lvs |
| | <i>Kunzea ericoides</i> | Burgan | Uncommon; 3-4 individual plants identified on property; Outside main house gate, below The Gatehouse | <ul style="list-style-type: none"> • Upright bushy shrub/small tree • Green foliage; leaves oblanceolate • White flowers, stamens longer than petals; November- January | RAM23/02 [identity confirmed but specimen not retained by herbarium: already recorded from the collection locality | WP, Fl [WP, Fl – TrishaS] |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|----------------|----------------------------------|---|---|--|---|-------------------|
| | | | | | (Bolivia Hill)] | |
| | <i>Kunzea obovata</i> | Pink kunzea | Common - Old Campsite spur (Horse's Head); The Gatehouse | <ul style="list-style-type: none"> Bushy shrub Pink flowers in compact bunches; spring Leaves small | RAM17/17 BRI AQ826502 | WP, Fl, Lvs |
| | <i>Leptospermum brevipes</i> | Slender tea tree | Common - Old Campsite spur (Horse's Hoof), Birdland | <ul style="list-style-type: none"> Upright branches Grey foliage White flowers tinged with pink | RAM10/176 BRI AQ863101 RAM15/35 BRI AQ876857 | WP, Fl |
| | <i>Leptospermum microcarpum</i> | "Prickly" tea tree, small-fruited tea tree, small-fruited may | Common, widespread - Old Campsite spur, Back Dam, Old Birdland Road | <ul style="list-style-type: none"> Small spindly-compact shrub, upright with ends of branches drooping; "prickly" White flowers Green leaves (stiff); pungent pointed | RAM17/11 BRI AQ826508 | WP, Bark, Fl, Lvs |
| | <i>Leptospermum minutifolium</i> | Small-leaved tea tree | Uncommon – Upper Birdland creek above The Crescent | <ul style="list-style-type: none"> Small upright shrub with drooping branch tips White flowers, white buds Fine leaves Light brown fruits | RAM17/03 BRI AQ522527 | Fl, Fr, Lvs |
| | | | | | | |
| Pittosporaceae | | | | | | |
| | <i>Bursaria spinosa</i> | Native blackthorn | Common, widespread – Old Campsite Spur; Back Dam | <ul style="list-style-type: none"> Upright shrub to small tree Spiny stems Leaves spatulate with terminal notch | | WP, Fl, Fr |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------|------------------------------|-------------------------|--|---|--|--------------------|
| | | | | <ul style="list-style-type: none"> • White flowers; summer • Heart-shaped seed capsules, brown when mature | | |
| Proteaceae | | | | | | |
| | <i>Lomatia silaifolia</i> | Crinkle bush | Uncommon (2-3 plants near eastern boundary near creek) | <ul style="list-style-type: none"> • Leaves ferny • White grevillea-type flowers in sprays | | [WP, Fl – TrishaS] |
| Rhamnaceae | | | | | | |
| | <i>Pomaderris lanigera</i> | | Uncommon (absent?) | <ul style="list-style-type: none"> • Shrub to 2-3 m tall • Oval pleated leaves, hairy above & below • Flowers yellow; September-October | | |
| | <i>Pomaderris prunifolia</i> | Peach-leaved pomaderris | Common, widespread - Old Campsite spur; The Dungeon, Old Birdland road | <ul style="list-style-type: none"> • Shrub to 2-3 m tall • Oval pleated leaves, shiny above, whitish silky hairy below • Flowers creamy white; September-October | RAM17/02 BRI AQ522528 | WP, Buds, Fl |
| Rubiaceae | | | | | | |
| | <i>Pomax umbellata</i> | Pomax | Common – Eagle's Nest | <ul style="list-style-type: none"> • Low shrub • Flowers white clusters (umbels) • Fruit cup-like small capsule with fringe of | | WP, Fr |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-------------|---|----------------------------------|---|--|--|--------------------------------|
| | | | | pointed lobes | | |
| Rutaceae | | | | | | |
| | <i>Correa reflexa</i> var. <i>reflexa</i> | Common correa, native fuchsia | Locally common - western boundary ridge, The Dungeon (Orchid Rock); Crescent Crossing No.1 | <ul style="list-style-type: none"> • Low shrub 0.5-1.5 m tall • Stems rusty • Leaves oval, turned-under margins, rough upper surface, felty undersurface • Flowers green-yellow tubular drooping, clasped between 2 leaf-like bracts | RAM16/16 BRI AQ522130 | WP, Fl, Lvs [Fl. Lvs – TrishS] |
| | <i>Zieria cytisoides</i> | Downy zieria | Uncommon - The Campsite spur, Horse's Hoof; good regrowth at these sites after 2019 fire | <ul style="list-style-type: none"> • Furry rounded leaves, 3 lobes • Pale pink flowers, 4 petals; winter-spring | RAM15/28 BRI AQ876850 | WP, Fl, Lvs |
| | <i>Zieria smithii</i> | Sandfly zieria | Uncommon - The Caves spur | <ul style="list-style-type: none"> • Smooth elongated pointed leaves, 3 lobes • White flowers, 4 petals; spring, autumn | RAM09/18 BRI AQ749822 | WP, Fl |
| | | | | | | |
| Sapindaceae | | | | | | |
| | <i>Dodonaea triquetra</i> | Large-leaved hop-bush | Common | <ul style="list-style-type: none"> • Leaves long • Flowers (male) yellow • Fruit 3-winged | | WP Fl male [TrishaS] |
| | <i>Dodonaea viscosa</i> subsp. <i>burmanniana</i> | Sticky hop-bush | Common | <ul style="list-style-type: none"> • Broad lanceolate /elliptical bright green leaves; often sticky | | Fr, Lvs [TrishaS] |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------|-----------------------------|----------------|---|---|--|--------------------------------------|
| | | | | <ul style="list-style-type: none"> Fruit red-brown, 4-winged | | |
| Solanaceae | | | | | | |
| | <i>Solanum amblymerum</i> | | Common, widespread | <ul style="list-style-type: none"> Upright shrub Purple petals, yellow staminodes Yellow ripe berries Prickly stems Long narrow leaves | RAM10/158; BRI AQ863088 | WP, Fl, Fr |
| | <i>Solanum aviculare</i> | Kangaroo apple | Uncommon - water reserve, short-lived? Grew after 2019 bushfire. | <ul style="list-style-type: none"> Upright spreading bushy shrub, no prickles Flowers with 5 purple petals, prominent yellow staminodes Fruit fleshy, yellow Leaves long with lobes | | Fl, Lvs [both TrishaS & JohnS Aug20] |
| | <i>Solanum campanulatum</i> | | Listed by Janet White 2016; Neither Australia's Virtual Herbarium nor <i>Flora of Australia</i> 29:160 list this taxon in New England – confirmation required | <ul style="list-style-type: none"> Shrub to 1 m tall, prickly Flowers purple, deeply bell-shaped Fruit pale green-yellow, drying brown to black | | |
| | <i>Solanum ditrichum</i> | | Uncommon – roadside of Entrance Road, Bolivia Station | <ul style="list-style-type: none"> Spreading shrub Stems brown with numerous prickles Pale lilac-purple petals, | RAM16/21; BRI AQ522187 | WP, Fl, Fr, Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|--------------------------------|---|--|--|--|---------------------------------|
| | | | fenceline | <ul style="list-style-type: none"> yellow staminodes Broad oval leaves, wavy margins, prickles on both sides Large globular fruit, black when ripe | | |
| | <i>*Solanum linnaeanum</i> | Apple of Sodom | Common - water reserve & in <i>Pimelea venosa</i> fenced area. Grew after 2019 bushfire. | <ul style="list-style-type: none"> Spreading shrub Stems purple with numerous prickles Pale lilac-purple petals, yellow staminodes Lobed leaves, wavy margins, prickles on both sides Large globular fruit, irregularly striped top to bottom, yellow when ripe | | WP, Fl, Fr, Lvs [TrishaS Aug20] |
| | <i>*Solanum 'nigrum'</i> | Black-berried nightshade | Uncommon | <ul style="list-style-type: none"> White petals, yellow staminodes Black ripe berries | | |
| | <i>*Solanum pseudocapsicum</i> | Madeira winter cherry, Jerusalem cherry | Common locally - The Caves spur (Thunderbolt's Cave) | <ul style="list-style-type: none"> Shrub 30 cm tall x 50 cm across No prickles Leaves simple oval shaped Flowers: White petals, yellow staminodes Orange ripe berries | RAM16/05 BRI AQ876818 | WP, Lvs, Fr |
| | | | | | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------------|--|---|---|---|--|--|
| Thymeleaceae | | | | | | |
| | <i>Pimelea curviflora</i> var. <i>divergens</i> | Rice flower | Uncommon - Birdland | <ul style="list-style-type: none"> • Opposite leaves • Yellow tubular flowers | RAM10/171 BRI AQ863109 | WP, Fl |
| | <i>Pimelea linifolia</i> | Rice flower | Uncommon – Old Campsite Spur | <ul style="list-style-type: none"> • Opposite leaves • White flowers in terminal clusters | | WP, Fl |
| | <i>Pimelea neo-anglica</i> | New England rice flower | Common, widespread | <ul style="list-style-type: none"> • Upright shrub • Brown stems • Separate sexes • Female flowers flask-like • Male flowers yellow • Yellow or red berries | | WP, ♀ Fl, ♂ Fl, Fr |
| | <i>Pimelea venosa</i> | Bolivia Hill pimelea, Bolivia Hill riceflower | Rare, threatened (vulnerable) – 6 plants grown from cuttings taken from the originally discovered plant population have been replanted on <i>Grasstrees</i> ; abundant germination and growth in multiple sites after 2019 fire | <ul style="list-style-type: none"> • Silky hairy leaves and stems • Brown stems • White tubular flowers, 4 lobes at the top of the corolla tube, 2 stamens; August-September | RAM16/17 BRI AQ522131 | WP, Fl, Lvs Watercolour painting: Glenyth McKenzie 2015 |
| | | | | | | |
| Violaceae | | | | | | |
| | <i>Melicytus dentatus</i> [syn. <i>Hymenanthera dentata</i>] | Tree violet | Uncommon – western gully on Gatehouse Hill in Charlie's (1 mature | <ul style="list-style-type: none"> • Rounded shrub 3m tall x 4m across • Spines on branches • Leaves in bunches on | RAM17/09 BRI AQ923011 | WP, Lvs, Fr |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------------|-------------------------------|---------------------------|--|--|--|--|
| | | | plant burnt in bushfire); to S of Gatehouse (1 plant) & in gully SW of Gatehouse (1 plant) | <p>short branchlets; 5-50 mm long, broadening towards the tip, smooth edges or with blunt teeth [Note <i>Bursaria spinosa</i> leaves single, not bunched]</p> <ul style="list-style-type: none"> • Flowers yellow, 2-5 mm long, single or paired in leaf-stem angles, leaf stalks recurved; spring-summer • Fruit purple-black berries 4-5 mm across; Oct- | | |
| Xanthorrhoeaceae | | | | | | |
| | <i>Xanthorrhoea johnsonii</i> | Northern forest grasstree | Common, widespread | <ul style="list-style-type: none"> • Fire-blackened trunk • Rosette of many drooping thin leaves • Spear-like flower spike with densely-packed bracts • White flowers; June-September | | <p>WP, Fl, Fr, Lvs, Trunk</p> <p>Acrylic and gouache painting x 2: Glenyth McKenzie 2013</p> |

3. Ground cover

3.1. Ferns (spore-bearing plants: spores in sori on leaf undersides) [12 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-------------|-----------------------------|-------------------------|---|--|--|---------------|
| | ? | ? fern | Uncommon – foot of northern slope of Gatehouse Hill | <ul style="list-style-type: none"> • Rock crevice • Hairy frond edges | | WP |
| Adiantaceae | | | | | | |
| | <i>Adiantum aethiopicum</i> | Common maiden-hair fern | Uncommon – Birdland Creek | <ul style="list-style-type: none"> • | | |
| | <i>Adiantum hispidulum</i> | Rough maiden-hair fern | Uncommon – The Dungeon (Orchid Rock), Campsite Spur | <ul style="list-style-type: none"> • | | WP, Lvs, Sori |
| Blechnaceae | | | | | | |
| | <i>Doodia aspera</i> | Prickly rasp fern | Locally common – The Dungeon (Orchid Rock) | <ul style="list-style-type: none"> • Soil • Broad triangular fronds, rough to the touch • Young fronds pink-red • Spore packets (sori) along both sides of midvein | | WP, Lvs, Sori |
| | <i>Doodia caudata</i> | Small rasp fern | Common – Gatehouse Hill, Old Campsite | <ul style="list-style-type: none"> • Rock crevices • Long narrow fronds with roundish leaflets | RAM15/22 BRI AQ876875 | WP, Lvs, Sori |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------------|-----------------------------|------------------|--|--|--|-----------------------------------|
| | | | Spur, The Dungeon (Orchid Rock) | <ul style="list-style-type: none"> below and elongated leaflets towards the tip Spore packets (sori) along both sides of midvein | RAM15/23 BRI AQ876876 | |
| Cyatheaceae | | | | | | |
| | <i>Cyathea australis</i> | Rough tree-fern | Common – Ben's Lookout; killed by 2019 fire | <ul style="list-style-type: none"> Trunk to 20m tall Fronds 2-3 m long Sori circular, 2 rows per leaflet Scales on trunk & base of fronds are shiny red-brown, stiff, often twisted, 2-5 cm long | | WP, Lvs, Sori, Scales, Trunk apex |
| Davalliaceae | | | | | | |
| | <i>Davallia pyxidata</i> | Hare's foot fern | Common, widespread – The Dungeon (Orchid Rock), Gatehouse Hill, Eagle's Nest | <ul style="list-style-type: none"> Lithophyte Hairy exposed rhizomes Stiff fronds Spore packets (sori) at ends of leaf lobes | | WP, Lvs, Sori |
| Dennstaedtiaceae | | | | | | |
| | <i>Pteridium esculentum</i> | Austral bracken | Abundant, widespread e.g. Front Dam | <ul style="list-style-type: none"> Robust leathery fern in open habitats End of fronds simple, undivided Edge of fronds rolled under (revolute) | | WP, Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-----------------|--|--|---|---|--|-------------------|
| Dicksoniaceae | | | | | | |
| | <i>Calochlaena dubia</i> [syn. <i>Calcita dubia</i>] | Common ground fern, Rainbow fern, False bracken, mountain bracken | Common | <ul style="list-style-type: none"> • More highly-divided leaves than bracken • Circular spore masses (sori) at edges of leaves | | WP, Lvs, crosier |
| Polypodiaceae | | | | | | |
| | <i>Platycerium bifurcatum</i> subsp. <i>bifurcatum</i> | Elkhorn fern | Uncommon – The Cave spur, The Dungeon (Orchid Rock) | <ul style="list-style-type: none"> • Lithophyte | | WP |
| | <i>Pyrrosia rupestris</i> | Rock felt fern | Locally common – The Dungeon (Orchid Rock), The Cave Spur | <ul style="list-style-type: none"> • Lithophyte • Fronds of 2 types: rounded sterile & elongated fertile • Sori (spore packets) over most of the underside of fertile fronds arranged in rows on either side of the midrib | | WP, fertile frond |
| Sinopteridaceae | | | | | | |
| | <i>Cheilanthes sieberi</i> | Rock fern | Abundant, widespread | <ul style="list-style-type: none"> • Upright fern • Black or brown stems • Small non-hairy leaves | | WP |
| | <i>Cheilanthes distans</i> | Bristly cloak fern | Abundant, widespread | <ul style="list-style-type: none"> • Upright fern • Small leaves, hairy undersides | | WP |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|----------------|-------------|-----------------------------------|-------------------------|--|------------|
| | | | | | | |

3.2. Grasses (monocots) [16 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------|--|---|--------------------------------|---|--|--------------------|
| Poaceae | | | | | | |
| | <i>Aristida gracilipes</i> | Wire grass | Common – Gatehouse Hill | • | RAM23/08 BRI AQ1040698 | |
| | <i>Austrostipa rudis</i> subsp. <i>rudis</i> | Weeping oat grass' (a spear grass) | Common - Home Ridge | • Flower/seed-heads drooping | RAM16/19 BRI AQ522188 | WP, Flower-head |
| | <i>Bothriochloa macra</i> | Red grass | Common – Gatehouse Hill | • Reddish seed-head, slender | RAM23/07 BRI AQ1040699 | |
| | <i>Cymbopogon refractus</i> | Barbed-wire grass | Common | • | RAM16/27 BRI AQ857643 | WP, Fl. Lvs, Roots |
| | <i>Dichelachne micrantha</i> | Shorthair plume grass, Short-haired plume grass, 'silky-head grass' | Common - Home Ridge | • Flower/seed-head long silky shiny tapered cylindrical | RAM16/24 BRI AQ857640 | Flower-head |
| | <i>Dichelachne rara</i> [syn. <i>Agrostis rara</i>] | A plume grass | | • | RAM15/24 BRI AQ876877 | Seed-head, Lvs |
| | <i>Echinopogon caespitosus</i> | Tufted hedgehog grass, Bearded grass, 'rough-stem grass' | Common - Home Ridge | • Flower/seed-head bristly tapered shortly-cylindrical • Flower-head stem rough when stroked upwards | RAM16/23 BRI AQ857639 | Flower-head |
| | <i>Echinopogon ovatus</i> | Forest hedgehog grass | Common – Home Ridge | • Flower/seed-head bristly tapered shortly-cylindrical • Flower-head stem rough when stroked upwards | | Flower-head |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|--|--------------------------|---|---|--|-------------|
| | <i>Eragrostis brownii</i> | Brown's love grass | Common – Gatehouse Hill | • | RAM23/09 BRI AQ1040697 | Flower-head |
| | * <i>Eragrostis curvula</i> | African love grass | Weedy – House Ridge | <ul style="list-style-type: none"> • Declared noxious weed • Blue-green leaves | | |
| | <i>Eragrostis leptostachya</i> | Paddock love grass | Common – Gatehouse Hill | • | | |
| | <i>Imperata cylindrica</i> | Blady grass | Common locally - patches near front gate & eastern dam, The Dungeon (Orchid Rock) | <ul style="list-style-type: none"> • Leaves coarse, broad, erect with sharp edges • Flower-head silky cylindrical panicle becoming fluffy; spring-autumn | | |
| | <i>Panicum simile</i> | Two colour panic grass | Common – Gatehouse Hill | • | RAM23/10 BRI AQ1040696 | Flower-head |
| | * <i>Setaria parviflora</i> | Slender pigeon grass | Common – Gatehouse Hill | • | RAM23/11 BRI AQ1040695 | Flower-head |
| | <i>Sporobolus creber</i> | Slender rat's tail grass | Common – Gatehouse Hill | • | RAM23/06 BRI AQ1040700 | Flower-head |
| | <i>Themeda triandra</i> [syn. <i>T. australis</i>] | Kangaroo grass | Common | • | | WP, Fl |

3.3. Sedges (monocots) [6 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------|----------------------------------|---------------------|---|--|--|------------|
| Cyperaceae | | | | | | |
| | <i>*Cyperus eragrostis</i> | Umbrella sedge | Uncommon; in creek on entrance road Exotic; from America | <ul style="list-style-type: none"> • Aquatic sedge • Clumped, 1 m tall • Rosettes of leaves at top of flowering stems | | WP |
| | <i>Eleocharis sphacelata</i> | Tall spikerush | Uncommon (Front dam) | <ul style="list-style-type: none"> • | | WP, Fl |
| | <i>Gabnia aspera</i> | Rough saw sedge | Abundant, widespread | <ul style="list-style-type: none"> • Clumped long leaves • Serrated edges to leaves • Red-brown shining nuts (fruits) | | WP, Fr |
| | <i>Schoenoplectus mucronatus</i> | Triangular clubrush | Common (Front dam) | <ul style="list-style-type: none"> • Aquatic sedge | | WP, Fl |
| | <i>Schoenoplectus validus</i> | River clubrush | Common (Front dam, creek on entrance road) | <ul style="list-style-type: none"> • Aquatic sedge | | WP, Fl |
| Juncaceae | | | | | | |
| | <i>Juncus continuus</i> | | Common – The Residence house yard, Front Dam | <ul style="list-style-type: none"> • Aquatic sedge | | WP, Fl |
| | | | | | | |
| | | | | | | |

3.4. Flowering forbs (non-woody plants) – dicots [54 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|----------------|--|--------------------|---|---|--|---------------------------------------|
| Apiaceae | | | | | | |
| | <i>Trachymene incisa</i> subsp. <i>incisa</i> | Wild parsnip | Common, widespread | <ul style="list-style-type: none"> • White flowers in umbel at top of tall stems • Leaves deeply lobed in rosette at plant base | RAM14/02 BRI AQ876630 | WP, Fl, Fr, Lvs |
| | | | | | | |
| Apocynaceae | * <i>Oxyptalum coeruleum</i> [synonym * <i>Tweedia coerulea</i>] | Southern blue star | Uncommon (weedy); emerged after 2019 bushfire; upper reaches of Birdland Creek ('back' creek) | <ul style="list-style-type: none"> • Pale blue 5-petaled flowers with central darker blue ring and central white style • Leaves spear-head-shaped on short stalks; densely hairy • Pods elongated with two valves; densely hairy | | [Trisha Stadtmiller: WP, Fl, Fr, Lvs] |
| | | | | | | |
| | | | | | | |
| Asclepiadaceae | | | | | | |
| | * <i>Gomphocarpus physocarpus</i> | Balloon cotton | Uncommon (weedy) – under active control | <ul style="list-style-type: none"> • Upright leafy plant to 2 m tall • Leaves narrow spear-head shaped • Flowers white waxy in nodding heads | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------|----------------------------------|---|------------------------------------|--|--|------------|
| | | | | <ul style="list-style-type: none"> Fruit air-filled green bladders with soft prickles | | |
| Asteraceae | | | | | | |
| | <i>Ammobium alatum</i> | Winged everlasting | Uncommon – Gatehouse Hill | <ul style="list-style-type: none"> White 'flowers': white papery bracts around yellow florets Flower heads on upright branched winged stems Silvery elongated leaves in basal rosette | | WP, Fl |
| | * <i>Bidens pilosa</i> | Cobbler's pegs, Pitchforks | Common (weedy) – Horse's Hoof | <ul style="list-style-type: none"> White flower-head with yellow centre 'Seeds' with barbs that attach to clothing | | |
| | <i>Calotis cuneifolia</i> | Wedge-leaf burr-daisy | Common, widespread | <ul style="list-style-type: none"> White & yellow daisy-type flowers Fruits burrs | RAM14/03 BRI AQ876631 | WP, Fl |
| | <i>Calotis lappulacea</i> | Yellow burr-daisy | Common, widespread | <ul style="list-style-type: none"> Yellow daisy-type flowers Fruits burrs | RAM17/06 BRI AQ923008 | WP, Fl, Fr |
| | <i>Chrysocephalum apiculatum</i> | Common everlasting, Yellow buttons | Common – Home Ridge, Birdland Road | <ul style="list-style-type: none"> Yellow rayless daisy flowers | | WP, Fl |
| | * <i>Cirsium vulgare</i> | Spear thistle (often misnamed 'Scotch' thistle) | Common (weedy) in disturbed areas | <ul style="list-style-type: none"> Upright branching to 1.5 m tall Leaves with very spiny edges Flower-heads at branch ends, bell-shaped with | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------------|-------------------------------|----------------------|--|---|--|------------|
| | | | | purple flowers protruding from tops | | |
| | <i>*Conyza bonariensis</i> | Flaxleaf fleabane | Common (weedy) in disturbed areas | <ul style="list-style-type: none"> Upright annual weed Flower-head at top of plant | | |
| | <i>Cymbonotus lawsonianus</i> | Bear's ear | Listed by Janet White 2016 | <ul style="list-style-type: none"> Lvs, hairy in rosette Yellow ray florets in daisy-type flower head | | |
| | <i>*Hypochoeris radicata</i> | Cat's ear, Flat weed | Abundant (weedy) in cleared areas | <ul style="list-style-type: none"> Rosette of wavy-edged leaves flat on ground Branched flower spike Yellow dandelion-type flower-head | | |
| | <i>Vittadinia</i> sp. | | Listed by Janet White 2016 | <ul style="list-style-type: none"> | | |
| | <i>Xerochrysum bracteatum</i> | Golden everlasting | Along Bolivia Station fence near Birdland; Cultivated [Gatehouse garden] | <ul style="list-style-type: none"> Bright golden paper daisy with large showy flowerheads | | WP, Fl |
| | | | | | | |
| Boraginaceae | | | | | | |
| | <i>Cynoglossum australe</i> | Hound's tongue | Uncommon – Birdland creek | <ul style="list-style-type: none"> Blue flowers | RAM10/177 BRI AQ863105 | WP, Fl, Fr |
| | | | | | | |
| Cactaceae | | | | | | |
| | <i>*Opuntia stricta</i> | Prickly pear | Uncommon – single specimen uphill of lower section of entrance | <ul style="list-style-type: none"> Succulent flat leaves Abundant prickles Yellow, many-petalled flowers | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-----------------|--|------------------------------------|--|--|--|------------------------|
| | | | road 2023 | <ul style="list-style-type: none"> Red fruit, succulent | | |
| Campanulaceae | | | | | | |
| | <i>Isotoma axillaris</i> | Showy isotome, Australian harebell | Uncommon – Campsite spur in small depressions in granite rocks | <ul style="list-style-type: none"> Compact rounded forb White flowers Leaves highly divided ('ferny') | RAM16/30 BRI AQ857646 | WP, Fl |
| | <i>Lobelia purpurascens</i> [syn. <i>Pratia purpurascens</i>] | White root | Uncommon | <ul style="list-style-type: none"> Prostrate herb Flowers 5 petals, 3 prominent; white with yellow basal spot & purple markings; Nov-Feb Leaves oval with toothed edges, lower surface purple | | WP, Fl [TrishaS image] |
| | <i>Lobelia surrepens</i> [syn. <i>Pratia surrepens</i>] | Mud pratia | Uncommon – Back dam; Crescent Crossing No.2 | <ul style="list-style-type: none"> Prostrate dwarf herb Flowers; petals 3 prominent & 2 smaller, white (very pale blue) with blue line across base & yellow spots centrally | RAM17/12 BRI AQ826501 | WP, Fl |
| | <i>Wahlenbergia stricta</i> subsp. <i>stricta</i> | Tall bluebell | Common, widespread | <ul style="list-style-type: none"> Blue bell-like flowers on tall thin stem | RAM10/164 BRI AQ863095 | WP, Fl |
| Caryophyllaceae | | | | | | |
| | * <i>Petrorhagia nanteuili</i> | Proliferous pink | Common – House Ridge | <ul style="list-style-type: none"> Multi-stemmed forb Pink flowers Small leaves | RAM16/18 BRI AQ522189 | WP, Fl. Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|----------------|--|-----------------------------------|---|--|--|-------------------------|
| Chenopodiaceae | | | | | | |
| | <i>Dysphania carinata</i> | Green crumbweed, keeled goosefoot | Common locally; disturbed areas (weedy) | • | | |
| | <i>Einadia hastata</i> [syn. <i>Rhagodia hastata</i>] | Berry saltbush | Uncommon; noted at Pycno Corner after bushfire Jul 2021 | • | | WP with fruit [TrishaS] |
| Clusiaceae | | | | | | |
| | <i>Hypericum gramineum</i> | Native St. John's wort | Uncommon – House Ridge, Entrance Road | <ul style="list-style-type: none"> • Upright herb to 30cm • Yellow flowers 10mm across, 5 petals, prominent central tuft of stamens; spring-summer • Leaves in opposite pairs | RAM17/07 BRI AQ923009 | WP, Fl, Lvs |
| Crassulaceae | | | | | | |
| | <i>Crassula sieberiana</i> | Australian stonecrop | Common | • Upright small red succulent | | WP [WP - TrishaS] |
| Dilleniaceae | | | | | | |
| | <i>Hibbertia linearis</i> | Guinea flower | Common | • Yellow flowers | RAM10/165 BRI AQ863096 | WP, Fl |
| Droseraceae | | | | | | |
| | <i>Drosera binata</i> | Forked sundew | Common – Back Dam | • Glandular hairs on stalked red leaves divided into 2, 4 or | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------------|--|----------------------|---|---|---|-------------------------|
| | | | | <ul style="list-style-type: none"> more long thin segments | | |
| | <i>Drosera burmanni</i> | Tropical sundew | Uncommon - Front Dam: ca. 50-60 individual plants in 2 m ² site (Jan 2023) | <ul style="list-style-type: none"> Glandular hairs on green round leaves in rosette on ground Pale pink flowers on upright spike with red fruit/buds; January | RAM23/03 BRI AQ952621 | WP, Fl |
| | <i>Drosera peltata</i> | Pale sundew | Common – Birdland | <ul style="list-style-type: none"> Glandular hairs on yellow-green round leaves held out along upright stem Pale pink flowers | RAM10/170 BRI AQ863104 | WP, Fl |
| | | | | | | |
| Fabaceae | | | | | | |
| | <i>Glycine microphylla</i> | Small-leaved glycine | Uncommon – Home ridge | <ul style="list-style-type: none"> Prostrate vine Flowers pink-purple, tiny Leaves trifoliate with slender leaflets | RAM17/04 Insufficient fertile material for accurate identification; no voucher retained at BRI | |
| | <i>Zornia dyctiocarpa</i> | Zornia | Uncommon – Home Ridge; Common after 2019 bushfire | <ul style="list-style-type: none"> Yellow pea flowers Compound leaves with 2 leaflets each | | [WP, Lvs, Fl – TrishaS] |
| | | | | | | |
| Gentianaceae | | | | | | |
| | <i>Schenkia australis</i> [syn. <i>Centaurium spicatum</i>] | Spike centuary | Common in grassed areas of Home Ridge, Horse's Hoof | <ul style="list-style-type: none"> Upright herb to 35 cm tall Pink flowers with yellow centres | RAM16/22 BRI AQ857638 | Fl |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------------|---|---------------------|--------------------------------|--|--|--------------------------|
| | | | walking track | | | |
| Geraniaceae | | | | | | |
| | <i>Erodium cicutarium</i> | Crane's bill | Uncommon | | | WP |
| | <i>Pelargonium inodorum</i> | Pelargonium | Uncommon – Home Ridge | <ul style="list-style-type: none"> • Low-growing leafy annual herb • Pink flowers in small bunches • Fruit a hairy capsule with a long awn • Leaves stalked, fan-shaped with scalloped edges | RAM17/15 BRI AQ826504 | WP, Fl, Fr, Lvs |
| Goodeniaceae | | | | | | |
| | <i>Goodenia bellidifolia</i> subsp. <i>argentea</i> | Daisy goodenia | Uncommon - Home Ridge | <ul style="list-style-type: none"> • Rosette of felty leaves at ground surface • Upright tall flower spikes • Yellow 5-petaled flowers | RAM16/25 BRI AQ857641 | WP, Fl [WP, Fl - TrishS] |
| | <i>Goodenia rotundifolia</i> | Round-leaf goodenia | Cultivated – Gatehouse garden | <ul style="list-style-type: none"> • Radiating ground-hugging stems from central rootstock • Round, slightly-toothed leaves • Yellow 5-petaled flowers | | WP, Fl, Lv |
| | <i>Scaevola albida</i> | Fan flower | Listed by Janet White 2016 | | | |
| Lamiaceae | | | | | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-------------|--------------------------------|--------------------|---|---|--|-------------------|
| | <i>*Marrubium vulgare</i> | Horehound | Listed by Janet White 2016 | <ul style="list-style-type: none"> Upright stems to 60 cm tall with leaves and flowers in whorls at intervals White tubular flowers Leaves oval, hairy crinkled surface, toothed margins | | |
| | <i>Plectranthus suaveolens</i> | Wild sage | Common, widespread in crevices on granite outcrops; | <ul style="list-style-type: none"> In rock crevices Aromatic felty leaves Purple tubular flowers | RAM15/18 BRI AQ876871 | WP, Fl, Fr, Lvs |
| Linaceae | | | | | | |
| | <i>Linum marginale</i> | Native flax | Uncommon | <ul style="list-style-type: none"> Flowers 5-petaled, pale blue with darker lines; March-April Fruit, beaked capsule Leaves alternate, linear, stalkless | | Fl. Lvs [TrishaS] |
| Lythraceae | | | | | | |
| | <i>Lythrum salicaria</i> | Purple loosestrife | Uncommon – creek in road reserve | <ul style="list-style-type: none"> Freshwater habitat (creek) Pink-purple flowers | RAM13/1 BRI AQ796331 | WP, Fl |
| Oxalidaceae | | | | | | |
| | <i>Oxalis corniculata</i> | Yellow wood-sorrel | Common (weedy) | <ul style="list-style-type: none"> Trifoliolate leaves Yellow trumpet-shaped flowers | | WP, Fl |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|----------------|--------------------------------|------------------------------|--|--|--|----------------------|
| Phytolaccaceae | | | | | | |
| | <i>*Phytolacca octandra</i> | Inkweed | Uncommon (weedy) – Garden & chook pen | <ul style="list-style-type: none"> • Upright shrubby herb • Red stems • Bright green prominent angular leaves • Flowers in spikes at top of branches • Fruit fleshy black | | Lvs, Fr |
| Polygonaceae | | | | | | |
| | <i>*Acetosella vulgaris</i> | Sheep sorrel | Common (weedy) in cleared areas | <ul style="list-style-type: none"> • Rosette of three-lobed spearhead-shaped leaves • Branched flower spike, tiny yellow flowers, small red fruits | | |
| | <i>*Emex australis</i> | Spiny emex, double-gee | Uncommon (weedy) – noted after bushfire 2020 | <ul style="list-style-type: none"> • Prostrate scrambler; fleshy • Flowers pale white in loose clusters • Fruit in leaf angles; oval nut with sharp spines | | WP with Fl [TrishaS] |
| Portulacaceae | | | | | | |
| | <i>Calandrinia eremaea</i> | Small purslane, a parakeelya | Uncommon – Gatehouse Hill rock crevices | <ul style="list-style-type: none"> • Succulent, flattish leaves • Pink flowers on long stems | RAM10/168 BRI AQ863103 | WP, Fl |
| | <i>Calandrinia pickeringii</i> | Pink purslane, a parakeelya | Uncommon – Wave Rock (Oct 2021) | <ul style="list-style-type: none"> • Succulent, plump leaves • Pink flowers | | WP with Fl [TrishaS] |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|------------------|---|----------------------------|--|---|--|-------------------------------|
| Ranunculaceae | | | | | | |
| | <i>Ranunculus lappaceus</i> | Common native buttercup | Listed by Janet White 2016 | <ul style="list-style-type: none"> Yellow flowers with 5 shiny petals Leaves deeply divided (lobed) | | |
| Rosaceae | | | | | | |
| | <i>Acaena ovina</i> | Sheep's burr | Common, widespread (weedy) – Home Ridge | <ul style="list-style-type: none"> Rhizomatous herb | RAM17/13 BRI AQ826505 | |
| Scrophulariaceae | | | | | | |
| | * <i>Linaria pelisseriana</i> | Pelisser's toadflax | Common (weedy) - Birdland | <ul style="list-style-type: none"> Purple flowers | RAM10/173 BRI AQ863102 | WP, Fl |
| | * <i>Nuttallanthus canadensis</i> [syn. * <i>Linaria canadensis</i>] | Blue toadflax | Common (weedy) – first seen 2010, then not noted until after bushfire 2020 | <ul style="list-style-type: none"> Pale blue flowers at top of tall flower spike Leaves at base in rosette; simple leaves alternate on flowering stem | | WP, Fl, Lvs [TrishaS & JohnS] |
| | * <i>Verbascum thapsus</i> subsp. <i>thapsus</i> | Great mullein, Aaron's rod | Common (weedy) | <ul style="list-style-type: none"> Rosette of broad felty leaves Yellow flowers on tall slender spike | | |
| Stackhousiaceae | | | | | | |
| | <i>Stackhousia viminea</i> | Slender stackhousia | Common | <ul style="list-style-type: none"> Flowers greenish-yellow on upright spikes; spring-autumn | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------------|--------------------------------|------------------------------------|---|---|--|--------------|
| Stylidiaceae | | | | | | |
| | <i>Stylidium graminifolium</i> | Grass trigger plant | Uncommon | <ul style="list-style-type: none"> Flowers 4-petalled pale pink on upright stem Leaves long & narrow in basal rosette | | Fl [TrishaS] |
| Violaceae | | | | | | |
| | <i>Viola betonicifolia</i> | Arrow-leaved violet, Native violet | Uncommon – Old Birdland Road on Old Campsite Spur | <ul style="list-style-type: none"> Purple & white flowers Clump of lance-head shaped leaves | | WP, Fl |
| Urticaceae | | | | | | |
| | * <i>Urtica incisa</i> | Stinging nettle | Common (weedy) | <ul style="list-style-type: none"> | RAM09/17 BRI AQ749821 | WP |

3.5. Flowering forbs (non-woody plants) - other monocots [17 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------|---------------------|-----------------|--------------------------------|---|--|------------|
| Anthericaceae | | | | | | |
| | <i>Arthropodium</i> | Chocolate lily, | Uncommon – | <ul style="list-style-type: none"> Pink to pale pink | RAM10/174 | WP, Fl |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------|--|---------------------------|----------------------------------|--|--|------------------|
| | <i>fimbriatum</i> | Vanilla lily | Birdland, south of Horse's Hoof | flowers hanging down from long upright flowering stem; petals held upright with prominent stamens below | BRI AQ863107 | |
| | <i>Thysanotus tuberosus</i> | Common fringe lily | Common, widespread | <ul style="list-style-type: none"> • Annual long rounded leaves • Mauve-blue 3-tepalled ("petalled") flowers, tepals fringed, in heads of 1-8 flowers • Tubers on roots | RAM16/26 BRI AQ857642 | WP, Fl |
| | | | | | | |
| Colchicaceae | | | | | | |
| | <i>Wurmbea dioicia</i> subsp. <i>dioicia</i> | Early nancy | Uncommon - Birdland | <ul style="list-style-type: none"> • Upright flower spike with 3 thin long leaves • Flowers usually 2-7, white with purple nectaries, 6 tepals ('petals'); spring | | WP, Fl {TrishaS} |
| | | | | | | |
| Commelinaceae | | | | | | |
| | <i>Commelina diffusa</i> | Wandering jew | Uncommon | <ul style="list-style-type: none"> • Blue flowers | | [Fl – TrishaS] |
| | <i>Commelina lanceolata</i> | Narrow-leaf wandering jew | Uncommon (NE end Cave Spur 2023) | <ul style="list-style-type: none"> • Blue flowers | | Fl |
| | <i>Murdannia graminea</i> | Grass lily, slug herb | Uncommon | <ul style="list-style-type: none"> • Clump of long thin leaves • Flowers blue-purple, 3 tepals ('petals') coloured; | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------|-------------------------------|--------------------------------|---|---|--|-----------------------------|
| | | | | December-April | | |
| Haemadoraceae | | | | | | |
| | <i>Haemodorum planifolium</i> | Blood-root | Seasonally common – Home Ridge | <ul style="list-style-type: none"> • Clump of long flat leaves • Red root-stock • Upright flower spike, black buds & fruit | RAM10/166 BRI AQ863090 | WP, Bud, Root stock, Fl, Fr |
| Hypoxidaceae | | | | | | |
| | <i>Hypoxis hygrometrica</i> | Golden weather-grass | Common - Birdland | <ul style="list-style-type: none"> • Yellow flowers • Fleshy grass-like leaves | RAM10/172 BRI AQ863108 | WP, Fl |
| Iridaceae | | | | | | |
| | <i>Patersonia sericea</i> | Native iris, Silky purple flag | Common – Ben's Lookout; Old Birdland road (top) | <ul style="list-style-type: none"> • Rosette of long strap-like leaves finely striped • Hairs on edges of leaf bases • Blue-violet 3-petaled flowers, yellow anthers | | WP, Fl |
| Johnsoniaceae | | | | | | |
| | <i>Tricoryne elatior</i> | Common rush lily | Common – Home Ridge | <ul style="list-style-type: none"> • Wiry-stemmed erect branching plant to 50 cm tall • Yellow 6-petaled (“petaled”) flowers, spring-summer | RAM16/20 BRI AQ857637 | WP, Fl |
| Lomandraceae | | | | | | |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|---------------------------------------|-------------------------------|---------------------------------|--|--|--|-------------|
| [Xanthorrhoeaceae <i>sensu lato</i>] | | | | | | |
| | <i>Lomandra confertifolia</i> | | Common | • | | |
| | <i>Lomandra filiformis</i> | Thin-leaved mat-rush | Common | • Densely-clumped thin leaves • | | |
| | <i>Lomandra longifolia</i> | Spiny-headed mat-rush | Abundant, widespread – Creek, Gatehouse Hill | • Densely clumped leaves • Spiny flower spike • Ragged ends on broad flat leaves | | WP, Lvs, Fl |
| | <i>Lomandra multiflora</i> | Many-flowered mat-rush | Uncommon – The Residence yard, Ben's Lookout | • Densely clumped leaves • Many-branched flower spike | | WP, Lvs, Fl |
| | | | | | | |
| Phormiaceae | | | | | | |
| | <i>Dianella revoluta</i> | Blue flax lily | Common, e.g. Gatehouse Hill | • Long strap-like leaves • 6-petalled purple flowers | | |
| | <i>Stypandra glauca</i> | Nodding blue lily, Blind grass | Uncommon - Horse's Hoof, Old Campsite spur; sparse regrowth from surviving stock after 2019 fire | • Large clumps of stems with alternate sheathing leaves • Terminal spikes of drooping flowers • Flowers 6 purple petals, yellow hairy staminodes | RAM09/16 BRI AQ749820 | WP, Fl |
| | | | | | | |
| Typhaceae | | | | | | |
| | <i>Typha orientalis</i> | Broad-leaved cumbungi, Bullrush | Uncommon – standing water bodies | • Aquatic perennial • Flower spike with brown dense velvety | | Fl, Lvs |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|----------------|-------------|--------------------------------|--|--|------------|
| | | | | cylinder, 1-4 cm across, male & female separated on stem; summer <ul style="list-style-type: none"> • Long strap-like erect leaves sheathing, to 2m long x 3 cm wide • Rhizome | | |
| | | | | | | |

3.6. Orchids (monocots) [18 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-------------|----------------------------|------------------|--|--|--|---|
| Orchidaceae | | | | | | |
| | <i>Bulbophyllum elisae</i> | Pineapple orchid | Locally common - The Dungeon (Orchid Rock) | <ul style="list-style-type: none"> • Lithophyte • Pseudobulbs with angular projections on surface | | WP, Fl, old Fr [WP infertile - TrishaS] |
| | <i>Caladenia carnea</i> | Pink fingers | Uncommon – western side of Campsite Spur, September 2021 | <ul style="list-style-type: none"> • Terrestrial • Flowers 30mm diameter, pink or white • Outer surface of tepals glandular, greenish • Labellum red-barred • Flowers August- | | [Fl – JohnS] |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|---|--|--|---|--|-----------------------------|
| | | | | October | | |
| | <i>Calochilus robertsonii</i> | Purple beard orchid | Uncommon – September 2020 | <ul style="list-style-type: none"> • Terrestrial • All tepals striped • Purple 'bearded' labellum | | [Fl – TrishaS] |
| | <i>Cyanicula caerulea</i> [syn. <i>Caladenia caerulea</i>] | Blue fairy orchid, blue finger orchid, tiny fairy orchid | Uncommon – inside new front fence September 2020 | <ul style="list-style-type: none"> • Terrestrial • Pale blue flowers with faint stipes down tepals • | | [Fl – TrishaS] |
| | <i>Dendrobium speciosum</i> | Rock orchid, King orchid | Common - Ben's Lookout, The Cave spur, The Dungeon (Orchid Rock) | <ul style="list-style-type: none"> • Lithophyte • Pseudobulbs with sprays of large broad stiff fleshy leaves • Large sprays of golden flowers | | WP, Fl |
| | <i>Dipodium punctatum</i> | Blotched hyacinth orchid | Uncommon - House Ridge | <ul style="list-style-type: none"> • Terrestrial • Leafless • Erect green to blackish stem to 1 m tall • 5-60 Pink flowers with deeper pink blotches, spring • Petals tips <u>not</u> recurved | | WP, Fl |
| | <i>Diurus chrysantha</i> | Golden donkey orchid | Seasonally common – Old Campsite Spur; Home Ridge | <ul style="list-style-type: none"> • Terrestrial • Yellow & brown flowers • Underground fleshy tubers | RAM10/161 BRI AQ863089 | WP, Fl, Tuber; Fl [TrishaS] |
| | <i>Diurus</i> sp. aff. <i>alba</i> (Northern Tableland) | Tablelands donkey orchid | Uncommon | <ul style="list-style-type: none"> • Terrestrial • White & purple flowers | | Fl [TrishaS] |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|---|---|--|--|--|----------------------------------|
| | <i>Dockrillia linguiformis</i> [syn. <i>Dendrobium linguiforme</i>] | Tongue orchid, button orchid, tick orchid | Uncommon - The Cave spur | <ul style="list-style-type: none"> • Lithophyte • Delicate sprays of white flowers • Leaves fleshy ovals | | WP, Fl |
| | <i>Dockrillia pugioniformis</i> | Dagger orchid | Uncommon - The Dungeon (Orchid Rock) | <ul style="list-style-type: none"> • Lithophyte • Drooping masses of stems with spear-head-shaped leaves | | WP, Lvs [WP infertile - TrishaS] |
| | <i>Erythrorchis cassythoides</i> | Climbing orchid, black bootlace orchid | Uncommon - The Cave spur | <ul style="list-style-type: none"> • Lithophyte • Leafless • Golden-brown flowers | | WP, Fl |
| | <i>Glossodia major</i> | Waxlip orchid | Uncommon [ca. 10 plants NE Old Campsite Sept 2015] | <ul style="list-style-type: none"> • Purple-blue flower with white- banded lip (labellum) on upright tall stem; August-October • Leaf single hairy at ground surface | | [Fl - JohnS] |
| | <i>Microtis parviflora</i> | Slender onion orchid | Seasonally common - Old Campsite Spur; Home Ridge | <ul style="list-style-type: none"> • Terrestrial • | RAM10/162 BRI AQ863092 | WP, Fl, Tuber |
| | <i>Pterostylis mutica</i> | Midget greenhood orchid | Seasonally common - Old Campsite Spur; Home Ridge | <ul style="list-style-type: none"> • Terrestrial • | RAM10/160 BRI AQ863093 | WP, Fr |
| | <i>Pterostylis ampliata</i> [previously included in <i>Pterostylis revoluta</i>] | Large autumn greenhood orchid | Seasonally common - Old Campsite Spur; Home Ridge | <ul style="list-style-type: none"> • Terrestrial • | RAM23/04 BRI AQ1040694 | WP, Fl [Fl – TrishaS] |
| | <i>Pterostylis rufa</i> | Red or rusty greenhood orchid | Seasonally common - Old | <ul style="list-style-type: none"> • Terrestrial • Rusty-red tinged flowers | RAM10/159 BRI AQ863094 | WP, Fl, Tuber |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|--|------------------------------|---|---|--|----------------|
| | | | Campsite Spur; Home Ridge | <ul style="list-style-type: none"> Underground fleshy tubers | | |
| | <i>Pterostylis woollsii</i> | Long-tailed greenhood orchid | Seasonally common - Old Campsite Spur; Home Ridge | <ul style="list-style-type: none"> Terrestrial | | [WP - TrishaS] |
| | <i>Spiranthes sinensis</i> subsp. <i>australis</i> | Ladies' tresses | Seasonally common - Old Campsite Spur; Home Ridge | <ul style="list-style-type: none"> Terrestrial Pink flowers in a spiral down the stem | | Fl |
| | | | | | | |

4. Lichens [6 taxa]

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|-----------------|---------------------------------|-------------|--|--|--|---------------|
| Teloschistaceae | | | | | | |
| | <i>Teloschistes sieberianus</i> | | Collected from the stems and branches of <i>Melicytus dentatus</i> (tree violet) in the gully half-way up Gatehouse Hill | <ul style="list-style-type: none"> Orange filamentous lichen Disc-shaped sporangia | RAM17/10 BRI AQ | WP, Sporangia |
| | | | | | | |
| | | | Abundant and widespread on | <ul style="list-style-type: none"> Oval grey-green encrusting surface of | RAM23/12 BRI AQ | WP, Sporangia |

| Family | Botanical name | Common name | Abundance on <i>Grasstrees</i> | Distinguishing features | RAM Collector's number; BRI Voucher number | RAM Images |
|--------|--------------------------------|-------------|---|--|--|---------------|
| | | | surfaces of granite outcrops; Collected from Wave Rock | <ul style="list-style-type: none"> granite rocks in full sun Sporangia with dark centres | | |
| | | | Collected from a boulder at the top of the road down to Birdland Creek | <ul style="list-style-type: none"> Oval grey-white encrusting surface of granite boulders Sporangia with brown centres | RAM23/13 BRI AQ | WP, Sporangia |
| | | | Collected from boulders at the side of the entrance road | <ul style="list-style-type: none"> Orange encrusting surface of granite boulders | RAM23/14 BRI AQ | WP |
| | <i>Usnea</i> | | Collected from dead tree stumps on Gatehouse Hill | <ul style="list-style-type: none"> 'Beard-like' grey-green branched hanging threads | RAM23/15 BRI AQ | WP |
| | <i>Chondropsis semiviridis</i> | | Locally abundant; collected from around granite outcrop between the koala tree plantation and the southern boundary fence (below the rustic bench lookout site) | <ul style="list-style-type: none"> Curled-up yellow-grey balls 10 mm diameter (dry state) Lying loosely on the ground between short dry grass tussocks | RAM23/16 BRI AQ | WP |
| | | | | | | |
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