Stony Head Bush Blitz

Vascular Plants, Bryophytes and Lichens

15 March 2021 – 24 March 2021

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Matthew Baker, Gintaras Kantvilas, Lyn Cave and Miguel de Salas

Nomenclature and taxonomy used in this report is consistent with:

The Australian Plant Name Index (APNI)

http://www.anbg.gov.au/databases/apni-about/index.html

The Australian Plant Census (APC)

http://www.anbg.gov.au/chah/apc/about-APC.html

AusMoss

http://data.rbg.vic.gov.au/cat/mosscatalogue

The Catalogue of Australian Liverworts and Hornworts

http://www.anbg.gov.au/abrs/liverwortlist/liverworts_intro.html

Checklist of the Lichens of Australia and its Island Territories.

http://www.anbg.gov.au/abrs/lichenlist/introduction.html

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List of contributors

List of contributors to this report.			
Name	**Institution/affiliation**	**Qualifications/area of expertise**	**Level/form of contribution**
Matthew Baker*	***Tasmanian Herbarium***	***Vascular Plants***	***survey participant and principal author***
Miguel de Salas	***Tasmanian Herbarium***	***Vascular Plants***	***survey participant and report author***
Lyn Cave	***Tasmanian Herbarium***	***Bryophytes***	***survey participant and report author***
Gintaras Kantvilas	***Tasmanian Herbarium***	***Lichens***	***survey participant and report author***

Abstract

A total of 566 taxa were recorded from the groups of vascular plants, bryophytes and lichens. Five lichens are considered un-named or not formalised taxa and four additional lichens are considered species new to science and were a direct result of this Bush Blitz. Sixty-eight exotic vascular plants and two introduced mosses were recorded. Of these, three are declared under the *Tasmanian Weed Management Act 1999.* Thirteen vascular plants listed under the *Tasmanian Threatened Species Protection Act 1995* were recorded. A single species listed under the EPBC was recorded. Significant range extensions were largely limited to the lichens and are represented by taxa that are first records for Tasmania, Australia or the Southern Hemisphere.

1. Introduction

The target groups of vascular plants, bryophytes and lichens were surveyed at Stony Head Military Training Area in the north of Tasmania. The survey was conducted over two periods: 2–4 November 2020 and 15–24 March 2021. Given the site's history as a military training base it has been largely off-limits for voucher based biological surveys. The wide range of habitats found on the property suggested a high diversity of plants was to be found.

2. Methods

2.1 Site selection

A preliminary site visit was made from 2–4 November 2020 to scope the area for survey sites and to collect spring-flowering vascular plants. The main survey window was 15–24 March 2021.

Sampling was based on a strategic selection of survey sites from the preliminary visit and represented the major vegetation types. Sampling was confined mostly to undisturbed and regenerating habitats. Each site was surveyed in detail to cover relevant habitats for target taxa.

2.2 Survey techniques

Specimens of vascular plants, bryophytes and lichens were collected and lodged in the Tasmanian Herbarium (HO), with limited duplicates distributed to other herbaria nationally and internationally under TMAG's formal specimen exchange programme. Several vascular plant taxa were recorded only by observation due to sampling difficulties (e.g. tall eucalypt trees) or lack of fertile material. All possible substrata for lichens and bryophytes, including rocks, soil, bark, wood and charcoal, were examined.

2.2.1 Methods used at standard survey sites

Standard survey sites were comprehensively surveyed for all vascular plants and bryophytes. Percentage cover for vascular plants was estimated for all species encountered.

2.3 Identifying the collections

Specimens were identified utilising standard equipment and techniques, with comparison to TMAG's reference collections when necessary. Lichens were identified in the laboratory using low-power and high-power microscopy of hand-cut sections of the thallus (vegetative tissue) and apothecia (reproductive structures), mounted in water, 10% KOH, 50% HNO_3, lactophenol cotton blue, ammoniacal erythrosin and Lugol's iodine. Routine chemical analyses using thin-layer chromatography followed standard methods (Orange et al. 2010).

3. Results and Discussion

Appendix 1 lists all vascular plants (appendix 1.1), bryophytes (appendix 1.2) and lichens (appendix 1.3) recorded during the Bush Blitz. Collections made during this Bush Blitz will result in 458 vascular plant specimens representing 288 taxa; 185 bryophyte specimens

representing 71 taxa; and 354 lichen specimens representing 207 taxa being added to public collections and to publicly accessible databases.

3.1 Un-named or not formalised taxa

Five lichen taxa recorded from the property are either significant range extensions of already known taxa or they are potentially new to science. Further investigation is required to understand the taxonomy of these. For details see table 1.

Table 1. Putatively un-named or not formalised taxa

Taxon	Comment
Lichens	
Arthonia cf. *anombrophila*.	Either a remarkable range extension of a temperate Northern Hemisphere species, or new to science (more likely the latter).
Lecanora cf. *intumescens*.	Possibly a significant range extension for a Western Australian rare endemic. Requires comparisons with the Type specimen.
Micarea aff. *deminuta*.	This genus was recently revised for Tasmania, and the particular taxon in question is highly unusual and possibly a new species. Further collections and study are required.
Palicella sp.	A genus previously unrecorded for the Southern Hemisphere. Further collections and study are required to properly circumscribe it and ascertain whether it is new to science.
?*Strangospora* sp.	Almost certainly new to science, but its generic relationships require further study.

3.2 Putative new species (new to science)

In this report, ‘putative new species’ means an unnamed species that, as far as can be ascertained, was identified as a new species as a direct result of this Bush Blitz. Four putative new species were identified as a direct result of this Bush Blitz. For details see table 2.

Table 2. Putative new species (new to science)

Species	Comment
Lichens	
Bacidia sp. A.	This species appears to be undescribed.
Coenogonium sp.	This is species unequivocally new to science.
Megaloblastenia sp.	It is almost certainly a new species although some molecular data would help to confirm its relationships with *M. marginiflexa*.
Phlyctis sp.	New to science!

3.3 Exotic and pest species

Sixty-eight species of introduced vascular plants were recorded. Given the history of the property, the relatively high number of naturalised, exotic vascular plants is not surprising. Large tracts of the property consist of improved pasture and, consequently, contain many species of agricultural weeds. Most of these taxa are annual and perennial herbs and grasses, and were recorded in pastures, along roadsides and fence lines within the property, and around areas of habitation. Many of the species of introduced plants are likely to have

originated from past agricultural activities. Species of most concern include isolated occurrences of *Senecio jacobaea*, *Lycium ferocissimum*, *Verbascum thapsus*, *Conyza sumatrensis*, *Thinopyrum junceiforme* and *Ammophila arenaria*. These taxa would make ideal targets for eradication due to their limited population size. Three species listed as declared under the *Tasmanian Weed Management Act 1999* were recorded: *Carduus tenuiflorus*, *Senecio jacobaea* and *Lycium ferocissimum*.

Two species of exotic mosses were recorded from the Scale A area. For details of exotic species recorded from this Bush Blitz see table 3

Table 3. Exotic and pest species recorded

Exotic/pest species	Location sighted/observed	Indication of abundance	Comments
Vascular Plants			
Dysphania pumilio (R.Br.) Mosyakin & Clemants	Southwestern paddocks off Seaview Road.	Common on disturbed patches of pasture	Weed of agriculture and waste places
Amaryllis belladonna L.	Seaview Lagoon, site of ruin; Scale A	Very localised and uncommon	Garden escapee
Nerine sarniensis (L.) Herb.	Scale A	Very localised and uncommon	Garden escapee
Carduus tenuiflorus Curtis	Seaview Lagoon.	Occasional	Weed of agriculture and waste places. Declared under the *Tasmanian Weed Management Act 1999*
Cirsium vulgare (Savi) Ten.	Quarry Road, approximately 2 km E of main entrance;	Occasional but widespread	Weed of agriculture and waste places
Conyza sumatrensis (Retz.) E.Walker	Maitland bay, towards end of Maitland Bay beach track; Quarry at end of Quarry Road.	Occasional but widespread	Weed of agriculture and waste places
Cotula coronopifolia L.	Lagoon near Fothers Hill; Easternmost coast on the property, off Seaview Road.	Occasional but widespread	Weed of wet habitats
Agrostis stolonifera L.	Seaview Lagoon	Common	Common amongst pasture
Hypochaeris radicata L.	Class Range Butts, approximately 3.2 km ENE of main entrance; Southwestern paddocks off Seaview Road.	Occasional but widespread	Weed of agriculture and waste places
Leontodon saxatilis Lam.	Seaview Lagoon, site of ruin; Quarry Road; Maitland Bay, rocky headland on west side of Maitland Bay.	Occasional but widespread	Weed of agriculture and waste places
Senecio jacobaea L.	Santa Barbara Road, about 750 m east of	Localised, single mature plant and	Weed of agriculture and waste places. Declared under the

	North-South Road junction.	several rosettes at this location.	*Tasmanian Weed Management Act 1999*
Sonchus asper (L.) Hill	Seaview Lagoon, site of ruin.	Occasional	Weed of agriculture and waste places
Vellereophyton dealbatum (Thunb.) Hilliard & B.L.Burtt	Quarry at end of Quarry Road; Class Range Butts, approximately 3.2 km ENE of main entrance; Strait Road.	Common and widespread particularly along sides of tracks.	Weed of agriculture and waste places
Cakile maritima Scop. subsp. *maritima*	Seaview Beach; Maitland Bay.	Common and abundant on beach sand at high tide mark	Coastal weed
Polycarpon tetraphyllum (L.) L.	Southwestern paddocks off Seaview Road;	Common on areas of disturbed soil	Weed of agriculture and waste places
Briza minor L.	Scale A	Occasional	Weed of agriculture and waste places
Bromus hordeaceus L.	Scale A	Common on areas of disturbed soil	Weed of agriculture and waste places
Euphorbia lathyris L.	Maitland Bay, western end of beach.	Localised	Weed of waste places
Euphorbia paralias L.	Seaview Beach; Rocky beach east of Black Rock Point, approx. half way between point and end of Strait Road; Maitland Bay, western end of beach.	Common and abundant on beach sand above high tide mark. Also on rocky shores.	Coastal weed
Euphorbia peplus L.	Maitland Bay, end of vehicle track to Maitland Bay beach.	Occasional but widespread	Weed of agriculture and waste places
Trifolium arvense L.	Track to Seaview Lagoon.	Occasional in pasture	Weed of agriculture and waste places
Trifolium cernuum Brot.	Scale A.	Occasional	Weed of agriculture and waste places
Trifolium fragiferum L.	Southwestern paddocks off Seaview Road; Seaview Lagoon.	Common in pasture	Pasture species
Centaurium erythraea Rafn	Class Range Butts, approximately 3.2 km ENE of main entrance; Strait Road.	Occasional but widespread	Weed of agriculture and waste places
Centaurium tenuiflorum (Hoffmanns. & Link) Fritsch ex Janch.	Quarry at end of Quarry Road; Northern end of Strait Road.	Occasional but widespread	Weed of agriculture and waste places
Geranium molle L.	Track to Seaview Lagoon.	Occasional	Weed of agriculture and waste places
Juncus articulatus L.	Cross Roads on Main North Road, approximately 800 m S	Localised	Weed of wet habitats

	of trig station on Stony Head.		
Juncus bulbosus L.	Cross Roads on Main North Road, approximately 800 m S of trig station on Stony Head.	Localised	Weed of wet habitats
Juncus capitatus Weigel	Scale A	Occasional	Weed of wet areas
Isolepis levynsiana Muasya & D.A.Simpson	Scale A	Occasional	Weed of wet areas
Lysimachia arvensis (L.) U.Manns & Anderb.	Class Range Butts, approximately 3.2 km ENE of main entrance; Rocky beach east of Black Rock Point; Seaview Lagoon, site of ruin.	Widespread and common	Weed of agriculture and waste places
Parentucellia viscosa (L.) Caruel	Prime Meadow, approximately 500 m ENE of Class Range targets.	Occasional	Weed of agriculture and waste places
Kickxia elatine (L.) Dumort. subsp. *elatine*	Class Range Butts, approximately 3.2 km ENE of main entrance.	Localised and uncommon	Weed of agriculture and waste places
Plantago coronopus L. subsp. *coronopus*	Southwestern paddocks off Seaview Road; Class Range Butts, approximately 3.2 km ENE of main entrance; Bluff on western side of Maitland Bay.	Widespread and common	Weed of agriculture, waste places and coastal areas
Agrostis capillaris L.	Quarry Road.	Common component of pasture/grassland	Weed of agriculture and waste places
Aira elegantissima Schur	Quarry Road.	Common component of pasture/grassland	Weed of agriculture and waste places
Aira praecox L.	Quarry Road.	Common component of pasture/grassland	Weed of agriculture and waste places
Ammophila arenaria (L.) Link subsp. *arenaria*	Southwestern paddocks off Seaview Road.	Localised and uncommon	Coastal weed
Anthoxanthum odoratum L.	Quarry at end of Quarry Road.	Occasional	Weed of agriculture and waste places
Bromus diandrus Roth	Seaview Lagoon, site of ruin.	Occasional	Weed of agriculture and waste places
Moenchia erecta (Huds.) Coville	Scale A	Uncommon	Weed of agriculture and waste places
Myosotis discolor (G.Forst.) Keyserl.	Scale A	Occasional weed of bare soil	Weed of agriculture and waste places
Cynosurus echinatus L.	Seaview Lagoon; Quarry Road.	Occasional	Weed of agriculture and waste places

Dactylis glomerata L.	Southwestern paddocks off Seaview Road.	Common component of pasture/grassland	Pasture species and weed of waste places
Festuca arundinacea Schreb.	Class Range Butts, approximately 3.2 km ENE of main entrance.	Localised and uncommon	Pasture species and weed of waste places
Festuca rubra L.	Scale A	Localised and uncommon	Turf species
Holcus lanatus L.	Southwestern paddocks off Seaview Road; Tributary of Curries River at entrance to base; Quarry Road, approximately 2 km E of main entrance.	Widespread but uncommon	Weed of agriculture and waste places
Hordeum hystrix Roth	Seaview Lagoon.	Occasional	Weed of agriculture and waste places
Lagurus ovatus L.	Seaview Lagoon, site of ruin; Scale A	Common and abundant in localised populations	Weed of agriculture and waste places in dry sandy soils
Lolium perenne L.	Scale A	Common	Pasture species and weed of waste places
Paspalum dilatatum Poir.	Quarry at end of Quarry Road.	Uncommon	Weed of agriculture and waste places
Phalaris aquatica L.	Southwestern paddocks off Seaview Road.	Occasional	Pasture species and weed of waste places
Polypogon maritimus Willd. var. *subspatheaceus* (Req.) Parl.	Quarry at end of Quarry Road.	Uncommon	Weed of agriculture and waste places
Stenotaphrum secundatum (Walter) Kuntze	Seaview Lagoon, site of ruin.	Localised and uncommon	Turf species and weed of waste places
Thinopyrum junceiforme (Á.Löve & D.Löve) Á.Löve	Seaview Beach.	Localised, one population only.	Coastal weed
Vulpia bromoides (L.) Gray	Quarry Road.	Uncommon	Weed of agriculture and waste places
Romulea rosea Greene	Scale A	Common in grassy areas	Weed of agriculture and waste places
Acetosella vulgaris Fourr.	Southwestern paddocks off Seaview Road; Quarry Road, approximately 2 km E of main entrance.	Occasional	Weed of agriculture and waste places
Reseda luteola L.	Class Range Butts, approximately 3.2 km ENE of main entrance.	Localised and uncommon	Weed of agriculture and waste places

Verbascum thapsus L.	Maitland Bay, end of vehicle track to Maitland Bay beach.	Localised and uncommon	Weed of agriculture and waste places
Lycium ferocissimum Miers	Seaview Lagoon, site of ruin.	Localised and occasional	Agricultural and environmental weed. Declared under the *Tasmanian Weed Management Act 1999*
Solanum nigrum L.	Southwestern paddocks off Seaview Road; Strait Road.	Widespread but uncommon	Weed of agriculture and waste places
Senecio vulgaris L.	Santa Barbara Road, about 750 m east of North-South Road junction.	Occasional	Weed of agriculture and waste places
Sonchus oleraceus L.	Stony Head, NE extremity of property.	Occasional	Weed of agriculture and waste places
Sporobolus africanus Lam.	Scale A	Common on grassy roadside verges	Weed of roadsides and grasslands
Vulpia myuros (Lam.) Chase	Scale A	Occasional	Weed of agriculture and waste places
Chenopodium glaucum L.	Lagoon near Fothers Hill; Seaview Lagoon, site of ruin.	Occasional in localised populations	Uncertainty exists regarding this species status in Tasmania, i.e. it is not known if it is native or not.
Argentina anserina (L.) Rydb.	Easternmost coast on the property, off Seaview Road.	Abundant in localised populations	Uncertainty exists regarding this species status in Tasmania, i.e. it is not known if it is native or not.
Bryophytes			
Brachythecium albicans (Hedw.) Schimp.	Scale A, and at Class Range behind butts	Common	Common weed in lawns and grassy areas
Eurhynchium praelongum (Hedw.) Bruch & Schimp.	Scale A, and at entrance to property	Common	Common weed in lawns and grassy areas

3.4 Threatened species

Ten species listed as rare and three listed as vulnerable under the *Tasmanian Threatened Species Protection Act 1995* were recorded during the survey. One species listed as vulnerable under the EPBC were recorded. For details of the threatened species recorded during this Bush Blitz see table 4.

Table 4. Threatened species			
Species	**Listing status and level (EBPC, /Territory)**	**Location sighted/observed**	**Indication of abundance**
Calocephalus lacteus Less.	r (State)	Maitland Bay, rocky headland on west side of Maitland Bay.	Occasional
Lepidosperma forsythii A.A.Ham.	r (State)	Strait Road.	Common
Hibbertia virgata R.Br. ex DC.	r (State)	Prime Meadow, approximately 2.5 km east of Scale A.	Uncommon
Schenkia australis (R.Br.) G.Mans.	r (State)	Eastern side of Maitland Bay; Bluff on western side of Maitland Bay.	Locally common
Lasiopetalum baueri Steetz	r (State)	Maitland Bay.	Occasional
Asperula minima Hook.f.	r (State)	Approximately 500 m SE of the summit of Ryans Hill.	Very common
Stylidium beaugleholei J.H.Willis	r (State)	Stony Head trail, creek crossing approximately 1 km S of Stony Head and 200 m N of Cross Roads.	Locally very common
Stylidium despectum R.Br.	r (State)	Cobble Cove, in the northeastern-most corner of the property.	Locally common
Stylidium perpusillum Hook.f.	r (State)	Stony Head trail, creek crossing approximately 1 km S of Stony Head and 200 m N of Cross Roads.	Uncommon
Phyllangium divergens (Hook.f.) Dunlop	v (State)	Stony Head bluff. Top of NE-facing gully descending to the shore.	Very common
Glycine microphylla (Benth.) Tindale	v (State)	Quarry approximately 1.4 km ESE of main entrance.	One plant only
Xerochrysum palustre (Flann) R.J.Bayer	v (State) VU (EPBC)	Seaview Rd., lagoon approximately 1.9 km N of main entrance.	One population consisting of thousands of plants
Comesperma defoliatum F.Muell.	R (State)	Cross Roads on Main North Road, approximately 800 m S of trig station on Stony Head.	One plant only

3.5 Range extensions

Vascular plants and bryophytes not previously recorded within 50 km of the survey area are listed below as range extensions. Several lichen taxa recorded from the survey area are either first records for Tasmania, Australia, or the Southern Hemisphere. For details of the range extensions recorded during this Bush Blitz see table 5.

Table 5. Range extensions or significant infill in distribution records for species

Species	Location sighted/observed	Distance from nearest known record (km)	Comments
Vascular Plants			
Trifolium cernuum Brot.	Scale A	60 km	Introduced species.
Trifolium fragiferum L.	Southwestern paddocks off Seaview Road.	60 km	Introduced species.
Xerochrysum palustre (Flann) R.J.Bayer	Seaview Rd., lagoon approximately 1.9 km N of main entrance.	70 km	Closest records are from Tomahawk and Longford.
Amaryllis belladonna L.	Seaview Lagoon, site of ruin; Scale A	190 km	Introduced species commonly associated with abandoned gardens.
Centaurium tenuiflorum (Hoffmanns. & Link) Fritsch ex Janch.	Northern end of Strait Road.	50 km	Introduced species
Comesperma defoliatum F.Muell.	Cross Roads on Main North Road, approximately 800 m S of trig station on Stony Head.	80 km	Nearest locations at Mt Cameron to E and Sisters Hills to W
Euchiton sphaericus (Willd.) Holub	Prime meadow, approximately 500 m ENE of Class Range targets; Quarry at end of Quarry Road.	55 km	Nearest locations Ulverstone, Goulds Country,
Galium leiocarpum I.Thomps.	Stony Head bluff. Top of NE-facing gully descending to the shore.	50 km	Nearest location Launceston
Hordeum hystrix Roth	Seaview Lagoon.	65 km	Introduced species.
Hypericum japonicum Thunb.	Summit of Ryans Hill; Quarry Road.	50 km	Hollybank
Nerine sarniensis (L.) Herb.	Scale A	200 km	Introduced species commonly associated with abandoned gardens.
Solenogyne dominii L.G.Adams	Perimeter Trail Section 4.	65 km	First record for the north coast - closest record Evandale
Pentapogon quadrifidus R.Br.	Stony Head, track to Stony Head	55 km	Nearest location Launceston
Rytidosperma geniculatum (J.M.Black) Connor & Edgar	Scale A	55 km	Nearest location Launceston
Lichens			
Amandinea hypostictica	Maitland Bay W	N/A	First record for Tasmania. Otherwise known from the

			Australian mainland and Kangaroo Island
Angiactis banskiae	Maitland Bay W	N/A	A very uncommon species, hitherto known from coastal south-eastern and south-western Australia, and from Flinders Island. A first record for the Tasmanian mainland.
Caloplaca gilfillaniorum	Maitland Bay W; Stony Head	N/A	Previously known only from Kangaroo Island. A first record for Tasmania.
Cladonia subradiata	Strait Road	N/A	Widely distributed on the Australian mainland. A first record for Tasmania.
Micarea xanthonica	Ryans Hill	N/A	Known from oceanic habitats in the temperate Northern Hemisphere (the Pacific North-West of North America, southern Norway, Great Britain). A new record for the Southern Hemisphere.
Phaeographis lindigiana	Ryans Hill; Scale A	N/A	Previously known from the eastern Australian mainland and Flinders Island. A first record for the Tasmanian mainland.
Pseudothelomma ocellatum	Stockyards	N/A	A very widespread, opportunistic/weedy species. First record for Australia.
Bryophytes			
Frullania rostrata (Hook.f. & Taylor) Hook.f. & Taylor ex Gottsche, Lindenb. & Nees	Quarry Road, c. 280 m N of Quarry	60 km	Nearest locations Wombat Plain (St Patricks River) and Strickland Gorge
Hymenostomum sullivanii Müll.Hal. ex Geh.	W end of Maitland Bay	200 km	This species is not well known. Nearest location Maria Island.
Rhynchostegium tenuifolium (Hedw.) Reichardt	Perimeter Trail section 5; Beside Prime Meadow; Ryans Hill, SE of summit; 400 m SE of Stony Head	75 km	Nearest location Alberton, SE of Ringarooma
Rosulabryum subtomentosum (Hampe) J.R.Spence	Ryans Hill, SE of summit; Black Rock Point	85 km	Nearest locations St Columba Falls and Musselroe Wind Farm.
Zygodon minutus Müll.Hal. & Hampe	Scale A Range Control; Quarry Road, c. 830 m E of Airfield Quarry	65 km	Nearest location Forth
Pyrrhobryum paramattense (Müll.Hal.) Manuel	Ryans Hill, SE of summit	55 km	Nearest location Parrs Rivulet, Tonganah.

Warburgiella macrospora (Dixon & Sainsbury) B.C.Tan, W.B.Schofield & H.P.Ramsay	Airfield Quarry; Ryans Hill, SE of summit	130 km	Nearest location Viormy property, Central Highlands.

3.6 Genetic information

No genetic sampling was undertaken.

4. Information on species lists

The vascular plant species lists reflect typical compositions for northern Tasmanian coastal heathland and hinterland. Threatened vascular plants and significant range extensions were higher than we have experienced for previous Tasmanian Bush Blitzes, perhaps reflecting the land management history of only localised disturbance.

5. Information for land managers

Several areas stood out in terms of their biodiversity and frequency of novel, endemic or threatened species.

The bluffs and headlands around Stony Head proper and the heathland just to the south host three threatened annual herbs: *Stylidium beaugleholei* J.H.Willis, *Stylidium perpusillum* Hook.f. and *Phyllangium divergens* (Hook.f.) Dunlop, all of which have very restricted distributions in Tasmania, as well as *Comesperma defoliatum* F.Muell., which is also a significant range extension from the nearest previously known population at Mount Cameron (80 km to the east).

The basalt headland on the western side of Maitland Bay hosts *Calocephalus lacteus* Less., *Schenkia australis* (R.Br.) G.Mans. and *Lasiopetalum baueri* Steetz, as well as the seldom-seen *Selaginella gracillima* (Kunze) Spring ex Salomon. Several lichens from this site, most notably *Angiactis banskiae*, were also new records for Tasmania.

The northeastern-most boundary of the property hosts two threatened vascular plants: *Stylidium despectum* R.Br. on the roadside at the end of the road, and *Lepidosperma forsythii* A.A.Ham. in open heathland and heathy woodland to the south.

A wet gully of *Pomaderris apetala* Labill. subsp*. apetala* forest extending south-east from the summit of Ryans Hill hosts a particularly high diversity hot-spot for both lichens and bryophytes. *Melaleuca ericifolia* Sm. Dense scrub along Quarry Road, approximately 1.7 km south-east of the main camp also hosts a very high diversity of cryptogams, including several new to science. The main camp supports a surprising variety of bryophyte species, because it has both dry exposed soil, and damp areas close to the buildings.

6. Other significant findings

No other significant findings were made.

7. Conclusions

Access to the Stony Head Military Training Area during the 2021 Bush Blitz in Tasmania provided an opportunity to record the biodiversity of an area of the State that has had limited specimen based biological sampling. A wide range of habitats were surveyed and resulted in the discovery of a high diversity of vascular plants, bryophytes and lichens. Several threatened species and species new to science were recorded during the survey expanding our knowledge of the flora of the area. Numerous species were significant range extensions and included taxa that were new records for Tasmania, Australia and the Southern hemisphere. A large number of introduced species were recorded and can be linked to the property’s past and current farming use.

Acknowledgements

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References

Orange, A., James, P.W. & White, F.J. 2010: *Microchemical Methods for the Identification of Lichens.* British Lichen Society, London: 101 pp.

Appendix 1.1 List of vascular plants recorded during the Stony Head Bush Blitz						
Family	**Species**	**Common name**	**Putative new species**	**Threatened (EPBC Act)**	**Threatened (State Act)**	**Exotic / pest**
Adiantaceae	Adiantum aethiopicum L.	common maidenhair	No	No	No	No
Aizoaceae	Carpobrotus rossii (Haw.) Schwantes	native pigface	No	No	No	No
Aizoaceae	Disphyma crassifolium (L.) L.Bolus subsp. clavellatum (Haw.) Chinnock	roundleaf pigface	No	No	No	No
Aizoaceae	Tetragonia implexicoma (Miq.) Hook.f.	bower spinach	No	No	No	No
Amaranthaceae	Atriplex billardierei (Moq.) Hook.f.	glistening saltbush	No	No	No	No
Amaranthaceae	Atriplex cinerea Poir.	grey saltbush	No	No	No	No
Amaranthaceae	Atriplex prostrata Boucher ex DC.	creeping orache	No	No	No	No
Amaranthaceae	Chenopodium glaucum L.	pale goosefoot	No	No	No	Yes?
Amaranthaceae	Dysphania pumilio (R.Br.) Mosyakin & Clemants	small crumbweed	No	No	No	Yes
Amaranthaceae	Rhagodia candolleana Moq. subsp. candolleana	coastal saltbush	No	No	No	No
Amaranthaceae	Suaeda australis (R.Br.) Moq.	southern seablite	No	No	No	No
Amaryllidaceae	Amaryllis belladonna L.		No	No	No	Yes
Amaryllidaceae	Nerine sarniensis (L.) Herb.		No	No	No	Yes
Apiaceae	Apium prostratum Labill. ex Vent. subsp. prostratum var. filiforme (A.Rich.) H	slender sea-celery	No	No	No	No
Apiaceae	Eryngium vesiculosum Labill.	prickfoot	No	No	No	No
Apocynaceae	Alyxia buxifolia R.Br.	seabox	No	No	No	No
Araliaceae	Hydrocotyle foveolata H.Eichler	yellow pennywort	No	No	No	No
Araliaceae	Hydrocotyle hirta R.Br. ex A.Rich.	hairy pennywort	No	No	No	No
Araliaceae	Hydrocotyle muscosa R.Br. ex A.Rich.	mossy pennywort	No	No	No	No
Asparagaceae	Lomandra longifolia Labill.	sagg	No	No	No	No
Aspleniaceae	Asplenium flabellifolium Cav.	necklace fern	No	No	No	No
Asteraceae	Actites megalocarpus (Hook.f.) Lander	dune thistle	No	No	No	No
Asteraceae	Argentipallium dealbatum (Labill.) Paul G.Wilson	white everlasting	No	No	No	No
Asteraceae	Brachyscome spathulata Gaudich.		No	No	No	No
Asteraceae	Calocephalus lacteus Less.	milky beautyheads	No	No	Rare	No
Asteraceae	Carduus tenuiflorus Curtis	winged thistle	No	No	No	Yes
Asteraceae	Cassinia aculeata (Labill.) R.Br. subsp. aculeata	common dollybush	No	No	No	No
Asteraceae	Centipeda elatinoides (Less.) Benth. & Hook.f. ex O.Hoffm.	spreading sneezeweed	No	No	No	No
Asteraceae	Chrysocephalum apiculatum (Labill.) Steetz subsp. apiculatum		No	No	No	No
Asteraceae	Cirsium vulgare (Savi) Ten.	spear thistle	No	No	No	Yes
Asteraceae	Conyza sumatrensis (Retz.) E.Walker	tall fleabane	No	No	No	Yes
Asteraceae	Cotula australis (Sieber ex Spreng.) Hook.f.	southern buttons	No	No	No	No
Asteraceae	Cotula coronopifolia L.	water buttons	No	No	No	Yes
Asteraceae	Euchiton involucratus (G.Forst.) Holub	star cottonleaf	No	No	No	No

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Asteraceae	Euchiton japonicus Willd.	common cottonleaf	No	No	No	No
Asteraceae	Euchiton sphaericus (Willd.) Holub	globe cottonleaf	No	No	No	No
Asteraceae	Helichrysum luteoalbum (L.) Rchb.	jersey cudweed	No	No	No	No
Asteraceae	Hypochaeris radicata L.	rough catsear	No	No	No	Yes
Asteraceae	Lagenophora gunniana Steetz		No	No	No	No
Asteraceae	Lagenophora sublyrata (Cass.) A.R.Bean & Jian Wang ter		No	No	No	No
Asteraceae	Leontodon saxatilis Lam.	hairy hawkbit	No	No	No	Yes
Asteraceae	Leucophyta brownii Cass.	cushionbush	No	No	No	No
Asteraceae	Olearia axillaris (DC.) F.Muell. ex Benth.	coast daisybush	No	No	No	No
Asteraceae	Ozothamnus turbinatus DC.	coast everlastingbush	No	No	No	No
Asteraceae	Senecio biserratus Belcher	jagged fireweed	No	No	No	No
Asteraceae	Senecio jacobaea L.	ragwort	No	No	No	Yes
Asteraceae	Senecio minimus Poir.	shrubby fireweed	No	No	No	No
Asteraceae	Senecio prenanthoides A.Rich.	common fireweed	No	No	No	No
Asteraceae	Senecio vulgaris L.	groundsel	No	No	No	Yes
Asteraceae	Solenogyne dominii L.G.Adams	smooth flat-herb	No	No	No	No
Asteraceae	Sonchus asper (L.) Hill	prickly sowthistle	No	No	No	Yes
Asteraceae	Sonchus oleraceus L.	sow thistle	No	No	No	Yes
Asteraceae	Vellereophyton dealbatum (Thunb.) Hilliard & B.L.Burtt	white cudweed	No	No	No	Yes
Asteraceae	Xerochrysum palustre (Flann) R.J.Bayer	swamp everlasting	No	VU	Vulnerable	No
Blechnaceae	Blechnum nudum (Labill.) Mett. ex Luerss.	fishbone waterfern	No	No	No	No
Boraginaceae	Myosotis discolor (G.Forst.) Keyserl.	changing forgetmenot	No	No	No	Yes
Brassicaceae	Cakile maritima Scop. subsp. maritima	searocket	No	No	No	Yes
Campanulaceae	Lobelia anceps L.f.	angled lobelia	No	No	No	No
Campanulaceae	Lobelia pedunculata R.Br.	matted lobelia	No	No	No	No
Caryophyllaceae	Moenchia erecta (Huds.) Coville	erect chickweed	No	No	No	Yes
Caryophyllaceae	Polycarpon tetraphyllum (L.) L.	fourleaf allseed	No	No	No	Yes
Caryophyllaceae	Spergularia tasmanica (Kindb.) L.G.Adams	greater seaspurrey	No	No	No	No
Caryophyllaceae	Stellaria pungens Brongn.	prickly starwort	No	No	No	No
Casuarinaceae	Allocasuarina littoralis (Salisb.) L.A.S.Johnson	black sheoak	No	No	No	No
Casuarinaceae	Allocasuarina monilifera (L.A.S.Johnson) L.A.S.Johnson	necklace sheoak	No	No	No	No
Centrolepidaceae	Centrolepis strigosa (R.Br.) Poir. subsp. strigosa	hairy bristlewort	No	No	No	No
Convolvulaceae	Dichondra repens J.R.Forst. & G.Forst.	kidneyweed	No	No	No	No
Crassulaceae	Crassula decumbens Baker	spreading stonecrop	No	No	No	No
Crassulaceae	Crassula natans Thunb. var. minus (Eckl. & Zeyh.) G.D.Rowley	floating stonecrop	No	No	No	No
Cyperaceae	Baumea acuta (Labill.) Palla	pale twigsedge	No	No	No	No

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Cyperaceae	Baumea juncea (R.Br.) Palla	bare twigsedge	No	No	No	No
Cyperaceae	Carex appressa R.Br.		No	No	No	No
Cyperaceae	Carex inversa R.Br.	knob sedge	No	No	No	No
Cyperaceae	Cyperus gunnii Hook.f.	flecked flatsedge	No	No	No	No
Cyperaceae	Eleocharis acuta R.Br.	common spikesedge	No	No	No	No
Cyperaceae	Ficinia nodosa (Rottb.) Goetgh., Muasya & D.A.Simpson	knobby clubsedge	No	No	No	No
Cyperaceae	Isolepis inundata R.Br.	swamp clubsedge	No	No	No	No
Cyperaceae	Isolepis levynsiana Muasya & D.A.Simpson	tiny flatsedge	No	No	No	Yes?
Cyperaceae	Lepidosperma concavum R.Br.	sand swordsedge	No	No	No	No
Cyperaceae	Lepidosperma ensiforme (Rodway) D.I.Morris	arching swordsedge	No	No	No	No
Cyperaceae	Lepidosperma forsythii A.A.Ham.	stout rapiersedge	No	No	Rare	No
Cyperaceae	Lepidosperma gladiatum Labill.	coast swordsedge	No	No	No	No
Cyperaceae	Lepidosperma longitudinale Labill.	pithy swordsedge	No	No	No	No
Cyperaceae	Schoenoplectus pungens (Vahl) Palla	sharp clubsedge	No	No	No	No
Cyperaceae	Schoenus apogon Roem. & Schult.	common bogsedge	No	No	No	No
Cyperaceae	Schoenus turbinatus (R.Br.) Poir.	heathland bogsedge	No	No	No	No
Dennstaedtiaceae	Pteridium esculentum (G.Forst.) Cockayne subsp. esculentum		No	No	No	No
Dicksoniaceae	Dicksonia antarctica Labill.	soft treefern	No	No	No	No
Dilleniaceae	Hibbertia acicularis (Labill.) F.Muell.	prickly guineaflower	No	No	No	No
Dilleniaceae	Hibbertia procumbens (Labill.) DC.	spreading guineaflower	No	No	No	No
Dilleniaceae	Hibbertia sericea (R.Br. ex DC.) Benth. var. sericea	silky guineaflower	No	No	No	No
Dilleniaceae	Hibbertia virgata R.Br. ex DC.	twiggy guineaflower	No	No	Rare	No
Droseraceae	Drosera auriculata Backh. ex Planch.	tall sundew	No	No	No	No
Droseraceae	Drosera hookeri R.P.Gibson, B.J.Conn & Conran	grassland sundew	No	No	No	No
Droseraceae	Drosera peltata Thunb.	pale sundew	No	No	No	No
Droseraceae	Drosera pygmaea DC.	dwarf sundew	No	No	No	No
Dryopteridaceae	Polystichum proliferum (R.Br.) C.Presl	mother shieldfern	No	No	No	No
Elaeocarpaceae	Tetratheca labillardierei Joy Thomps.	glandular pinkbells	No	No	No	No
Ericaceae	Epacris impressa Labill.	common heath	No	No	No	No
Ericaceae	Epacris lanuginosa Labill.	swamp heath	No	No	No	No
Ericaceae	Leucopogon australis R.Br.	spike beardheath	No	No	No	No
Ericaceae	Leucopogon parviflorus (Andrews) Lindl.	coast beardheath	No	No	No	No
Ericaceae	Leucopogon virgatus (Labill.) R.Br. var. virgatus	twiggy beardheath	No	No	No	No
Ericaceae	Monotoca elliptica (Sm.) R.Br.	tree broomheath	No	No	No	No
Ericaceae	Monotoca glauca (Labill.) Druce	goldey wood	No	No	No	No
Ericaceae	Sprengelia incarnata Sm.	pink swampheath	No	No	No	No

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Euphorbiaceae	Amperea xiphoclada (Sieber ex Spreng.) Druce var. xiphoclada	broom spurge	No	No	No	No
Euphorbiaceae	Euphorbia lathyris L.	caper spurge	No	No	No	Yes
Euphorbiaceae	Euphorbia paralias L.	sea spurge	No	No	No	Yes
Euphorbiaceae	Euphorbia peplus L.	petty spurge	No	No	No	Yes
Fabaceae	Acacia dealbata Link subsp. dealbata	silver wattle	No	No	No	No
Fabaceae	Acacia longifolia (Andrews) Willd. subsp. sophorae (Labill.) Court	coast wattle	No	No	No	No
Fabaceae	Acacia melanoxylon R.Br.	blackwood	No	No	No	No
Fabaceae	Acacia mucronata Willd. ex H.L.Wendl. subsp. longifolia (Benth.) Court	longleaf caterpillar wattl	No	No	No	No
Fabaceae	Acacia myrtifolia (Sm.) Willd.	redstem wattle	No	No	No	No
Fabaceae	Acacia stricta (Andrews) Willd.	hop wattle	No	No	No	No
Fabaceae	Acacia suaveolens (Sm.) Willd.	sweet wattle	No	No	No	No
Fabaceae	Acacia terminalis (Salisb.) J.F.Macbr.	sunshine wattle	No	No	No	No
Fabaceae	Acacia verticillata (L'Hér.) Willd. subsp. verticillata	prickly moses	No	No	No	No
Fabaceae	Aotus ericoides (Vent.) G.Don	golden pea	No	No	No	No
Fabaceae	Bossiaea cinerea R.Br.	showy bossia	No	No	No	No
Fabaceae	Daviesia ulicifolia Andrews subsp. ulicifolia	yellow spiky bitterpea	No	No	No	No
Fabaceae	Dillwynia glaberrima Sm.	smooth parrotpea	No	No	No	No
Fabaceae	Dillwynia sericea A.Cunn.	showy parrotpea	No	No	No	No
Fabaceae	Glycine microphylla (Benth.) Tindale	small-leaf glycine	No	No	Vulnerable	No
Fabaceae	Gompholobium huegelii Benth.	common wedgepea	No	No	No	No
Fabaceae	Kennedia prostrata R.Br.	running postman	No	No	No	No
Fabaceae	Lotus subbiflorus Lag.	hairy birdsfoot-trefoil	No	No	No	No
Fabaceae	Platylobium triangulare R.Br.	arrow flatpea	No	No	No	No
Fabaceae	Pultenaea daphnoides J.C.Wendl.	heartleaf bushpea	No	No	No	No
Fabaceae	Pultenaea dentata Labill.	swamp bushpea	No	No	No	No
Fabaceae	Pultenaea gunnii Benth. subsp. gunnii	delicate golden bushpea	No	No	No	No
Fabaceae	Trifolium arvense L.	haresfoot clover	No	No	No	Yes
Fabaceae	Trifolium cernuum Brot.	nodding clover	No	No	No	Yes
Fabaceae	Trifolium fragiferum L.	strawberry clover	No	No	No	Yes
Gentianaceae	Centaurium erythraea Rafn	common centaury	No	No	No	Yes
Gentianaceae	Centaurium tenuiflorum (Hoffmanns. & Link) Fritsch ex Janch.	slender centaury	No	No	No	Yes
Gentianaceae	Schenkia australis (R.Br.) G.Mans.	spike centaury	No	No	Rare	No
Gentianaceae	Sebaea ovata (Labill.) R.Br.	yellow sebaea	No	No	No	No
Geraniaceae	Geranium molle L.	soft cranesbill	No	No	No	Yes
Geraniaceae	Pelargonium inodorum Willd.	annual storksbill	No	No	No	No
Gleicheniaceae	Gleichenia dicarpa R.Br.	pouched coralfern	No	No	No	No

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Gleicheniaceae	Gleichenia microphylla R.Br.	scrambling coralfern	No	No	No	No
Goodeniaceae	Goodenia humilis R.Br.	swamp native-primrose	No	No	No	No
Goodeniaceae	Goodenia lanata (Hook.f.) Allan	trailing native-primrose	No	No	No	No
Goodeniaceae	Goodenia ovata Sm.	hop native-primrose	No	No	No	No
Goodeniaceae	Selliera radicans Cav.	shiny swampmat	No	No	No	No
Haloragaceae	Gonocarpus micranthus Thunb. subsp. micranthus	creeping raspwort	No	No	No	No
Hemerocallidaceae	Caesia parviflora R.Br. var. parviflora	pale grasslily	No	No	No	No
Hemerocallidaceae	Dianella revoluta R.Br. var. revoluta	spreading flaxlily	No	No	No	No
Hypericaceae	Hypericum japonicum Thunb.	matted st johns-wort	No	No	No	No
Hypoxidaceae	Hypoxis hygrometrica Labill. var. hygrometrica	golden weatherglass	No	No	No	No
Iridaceae	Patersonia fragilis (Labill.) Asch. & Graebn.	short purpleflag	No	No	No	No
Iridaceae	Patersonia occidentalis R.Br. var. occidentalis	long purpleflag	No	No	No	No
Iridaceae	Romulea rosea Greene	lilac oniongrass	No	No	No	Yes
Juncaceae	Juncus acutiflorus Ehrh. ex Hoffm.	sharpflower rush	No	No	No	No
Juncaceae	Juncus articulatus L.	jointed rush	No	No	No	Yes
Juncaceae	Juncus bufonius L.	toad rush	No	No	No	No
Juncaceae	Juncus bulbosus L.	bulbous rush	No	No	No	Yes
Juncaceae	Juncus capitatus Weigel	capitate rush	No	No	No	Yes
Juncaceae	Juncus pallidus R.Br.	pale rush	No	No	No	No
Juncaceae	Juncus pauciflorus R.Br.	looseflower rush	No	No	No	No
Juncaceae	Juncus planifolius R.Br.	broadleaf rush	No	No	No	No
Juncaceae	Juncus subsecundus N.A.Wakef.	finger rush	No	No	No	No
Lauraceae	Cassytha glabella R.Br. f. dispar (Schltdl.) J.Z.Weber		No	No	No	No
Lauraceae	Cassytha melantha R.Br.	large dodderlaurel	No	No	No	No
Lauraceae	Cassytha pubescens R.Br.	downy dodderlaurel	No	No	No	No
Lentibulariaceae	Utricularia lateriflora R.Br.	tiny bladderwort	No	No	No	No
Liliaceae	Burchardia umbellata Greene	milkmaids	No	No	No	No
Loganiaceae	Mitrasacme pilosa Labill. var. pilosa	hairy mitrewort	No	No	No	No
Loganiaceae	Phyllangium divergens (Hook.f.) Dunlop	wiry mitrewort	No	No	Vulnerable	No
Luzuriagaceae	Drymophila cyanocarpa R.Br.	turquoise berry	No	No	No	No
Lythraceae	Lythrum hyssopifolia L.	small loosestrife	No	No	No	No
Malvaceae	Lasiopetalum baueri Steetz	slender velvetbush	No	No	Rare	No
Menyanthaceae	Ornduffia reniformis (R.Br.) Tippery & Les	running marshflower	No	No	No	No
Myrsinaceae	Lysimachia arvensis (L.) U.Manns & Anderb.	scarlet pimpernel	No	No	No	Yes
Myrtaceae	Eucalyptus amygdalina Labill.	black peppermint	No	No	No	No
Myrtaceae	Eucalyptus ovata Labill. var. ovata	black gum	No	No	No	No

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Myrtaceae	Euryomyrtus parviflora Miq.	creeping heathmyrtle	No	No	No	No
Myrtaceae	Leptospermum lanigerum (Sol. ex Aiton) Sm.	woolly teatree	No	No	No	No
Myrtaceae	Leptospermum scoparium J.R.Forst. & G.Forst.	common teatree	No	No	No	No
Myrtaceae	Melaleuca ericifolia Sm.	coast paperbark	No	No	No	No
Myrtaceae	Melaleuca gibbosa Labill.	slender honeymyrtle	No	No	No	No
Myrtaceae	Melaleuca squarrosa Donn ex Sm.	scented paperbark	No	No	No	No
Onagraceae	Epilobium billardiereanum Ser. ex DC. subsp. cinereum (A.Rich.) P.H.Raven	grey willowherb	No	No	No	No
Orchidaceae	Dipodium roseum D.L.Jones & M.A.Clem.	rosy hyacinth-orchid	No	No	No	No
Orchidaceae	Diuris sulphurea R.Br.	tiger orchid	No	No	No	No
Orchidaceae	Eriochilus cucullatus (Labill.) Rchb.f.	pale autumn orchid	No	No	No	No
Orobanchaceae	Parentucellia viscosa (L.) Caruel	yellow glandweed	No	No	No	Yes
Oxalidaceae	Oxalis perennans Haw.	grassland woodsorrel	No	No	No	No
Oxalidaceae	Oxalis radicosa A.Rich.	stoutroot woodsorrel	No	No	No	No
Oxalidaceae	Oxalis rubens L.		No	No	No	No
Phyllanthaceae	Phyllanthus gunnii Hook.f.	shrubby spurge	No	No	No	No
Phyllanthaceae	Poranthera microphylla Brongn.	small poranthera	No	No	No	No
Pittosporaceae	Billardiera macrantha Hook.f.	forest appleberry	No	No	No	No
Pittosporaceae	Billardiera mutabilis Salisb.	green appleberry	No	No	No	No
Pittosporaceae	Bursaria spinosa Cav. subsp. spinosa	prickly box	No	No	No	No
Plantaginaceae	Kickxia elatine (L.) Dumort. subsp. elatine	sharpleaf toadflax	No	No	No	Yes
Plantaginaceae	Limosella australis R.Br.	southern mudwort	No	No	No	No
Plantaginaceae	Plantago coronopus L. subsp. coronopus	slender buckshorn plantain	No	No	No	Yes
Plantaginaceae	Veronica gracilis R.Br.	slender speedwell	No	No	No	No
Poaceae	Agrostis capillaris L.		No	No	No	Yes
Poaceae	Agrostis stolonifera L.	creeping bent	No	No	No	Yes
Poaceae	Aira elegantissima Schur	delicate hairgrass	No	No	No	Yes
Poaceae	Aira praecox L.	early hairgrass	No	No	No	Yes
Poaceae	Ammophila arenaria (L.) Link subsp. arenaria	marram grass	No	No	No	Yes
Poaceae	Anthoxanthum odoratum L.	sweet vernalgrass	No	No	No	Yes
Poaceae	Austrostipa flavescens (Labill.) S.W.L.Jacobs & J.Everett	yellow speargrass	No	No	No	No
Poaceae	Austrostipa mollis Benth.	soft speargrass	No	No	No	No
Poaceae	Austrostipa pubinodis (Trin. & Rupr.) S.W.L.Jacobs & J.Everett	tall speargrass	No	No	No	No
Poaceae	Austrostipa stipoides (Hook.f.) S.W.L.Jacobs & J.Everett	coast speargrass	No	No	No	No
Poaceae	Briza minor L.	lesser quaking-grass	No	No	No	Yes
Poaceae	Bromus diandrus Roth	great brome	No	No	No	Yes
Poaceae	Bromus hordeaceus L.	soft brome	No	No	No	Yes

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Poaceae	Cynosurus echinatus L.	rough dogstail	No	No	No	Yes
Poaceae	Dactylis glomerata L.	cocksfoot	No	No	No	Yes
Poaceae	Deyeuxia quadriseta (Labill.) Benth.	reed bentgrass	No	No	No	No
Poaceae	Dichelachne crinita (Carmich.) Kornmann	longhair plumegrass	No	No	No	No
Poaceae	Distichlis distichophylla (Labill.) Fassett	australian saltgrass	No	No	No	No
Poaceae	Echinopogon ovatus (G.Forst.) P.Beauv.	hedgehog grass	No	No	No	No
Poaceae	Eragrostis brownii (Kunth) Nees	common lovegrass	No	No	No	No
Poaceae	Festuca arundinacea Schreb.	tall fescue	No	No	No	Yes
Poaceae	Festuca rubra L.	red fescue	No	No	No	Yes
Poaceae	Hemarthria uncinata R.Br. var. uncinata	hooked matgrass	No	No	No	No
Poaceae	Holcus lanatus L.	yorkshire fog	No	No	No	Yes
Poaceae	Hordeum hystrix Roth	mediterranean barleygrass	No	No	No	Yes
Poaceae	Imperata cylindrica (L.) P.Beauv. var. major (Nees) C.E.Hubb.	blady grass	No	No	No	No
Poaceae	Lachnagrostis aemula (R.Br.) Trin.	tumbling blowngrass	No	No	No	No
Poaceae	Lachnagrostis filiformis (G.Forst.) Trin.	common blowngrass	No	No	No	No
Poaceae	Lagurus ovatus L.	harestail grass	No	No	No	Yes
Poaceae	Lolium perenne L.	perennial ryegrass	No	No	No	Yes
Poaceae	Microlaena stipoides (Labill.) R.Br. var. stipoides	weeping grass	No	No	No	No
Poaceae	Paspalum dilatatum Poir.	paspalum	No	No	No	Yes
Poaceae	Pentapogon quadrifidus R.Br.	five-awned speargrass	No	No	No	No
Poaceae	Phalaris aquatica L.	toowoomba canarygrass	No	No	No	Yes
Poaceae	Phragmites australis (Cav.) Trin. ex Steud.	southern reed	No	No	No	No
Poaceae	Poa labillardierei Steud. var. labillardierei	silver tussockgrass	No	No	No	No
Poaceae	Polypogon maritimus Willd. var. subspatheaceus (Req.) Parl.	coast beardgrass	No	No	No	Yes
Poaceae	Rytidosperma geniculatum (J.M.Black) Connor & Edgar	kneed wallabygrass	No	No	No	No
Poaceae	Rytidosperma pilosum (R.Br.) Connor & Edgar	velvet wallabygrass	No	No	No	No
Poaceae	Rytidosperma racemosum (R.Br.) Connor & Edgar var. racemosum	stiped wallabygrass	No	No	No	No
Poaceae	Spinifex sericeus R.Br.	beach spinifex	No	No	No	No
Poaceae	Sporobolus africanus Lam.	ratstail grass	No	No	No	Yes
Poaceae	Stenotaphrum secundatum (Walter) Kuntze	buffalo grass	No	No	No	Yes
Poaceae	Themeda triandra Forssk.	kangaroo grass	No	No	No	No
Poaceae	Thinopyrum junceiforme (Á.Löve & D.Löve) Á.Löve	sea wheatgrass	No	No	No	Yes
Poaceae	Vulpia bromoides (L.) Gray	squirreltail fescue	No	No	No	Yes
Poaceae	Vulpia myuros (Lam.) Chase	ratstail fescue	No	No	No	Yes
Polygalaceae	Comesperma defoliatum F.Muell.	leafless milkwort	No	No	Rare	No
Polygonaceae	Acetosella vulgaris Fourr.	sheep sorrel	No	No	No	Yes

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Polygonaceae	Muehlenbeckia adpressa (Labill.) Meisn.	climbing lignum	No	No	No	No
Polygonaceae	Persicaria prostrata (R.Br.) Soják	creeping waterpepper	No	No	No	No
Portulacaceae	Montia australasica Hook.	white purslane	No	No	No	No
Potamogetonaceae	Potamogeton cheesemanii A.Benn.		No	No	No	No
Proteaceae	Banksia marginata Cav.	silver banksia	No	No	No	No
Proteaceae	Hakea teretifolia (Salisb.) Britten subsp. hirsuta (Endl.) R.M.Barker	dagger needlebush	No	No	No	No
Pteridaceae	Pteris comans G.Forst.	netted brake	No	No	No	No
Ranunculaceae	Ranunculus sessiliflorus R.Br. ex DC. var. sessiliflorus	rockplate buttercup	No	No	No	No
Resedaceae	Reseda luteola L.	weld	No	No	No	Yes
Restionaceae	Empodisma minus (Hook.f.) L.A.S.Johnson & D.F.Cutler	spreading roperush	No	No	No	No
Restionaceae	Eurychorda complanata (R.Br.) B.G.Briggs & L.A.S.Johnson	flat cordrush	No	No	No	No
Restionaceae	Hypolaena fastigiata R.Br.	tassel roperush	No	No	No	No
Restionaceae	Leptocarpus tenax (Labill.) R.Br.	slender twinerush	No	No	No	No
Rhamnaceae	Pomaderris apetala Labill. subsp. maritima N.G.Walsh & Coates	coast dogwood	No	No	No	No
Rosaceae	Acaena echinata Nees		No	No	No	No
Rosaceae	Acaena novae-zelandiae Kirk	common buzzy	No	No	No	No
Rosaceae	Argentina anserina (L.) Rydb.		No	No	No	Yes?
Rosaceae	Rubus parvifolius L.	native raspberry	No	No	No	No
Rubiaceae	Asperula minima Hook.f.	mossy woodruff	No	No	Rare	No
Rubiaceae	Galium leiocarpum I.Thomps.	smoothfruit bedstraw	No	No	No	No
Rubiaceae	Opercularia varia Hook.f.	variable stinkweed	No	No	No	No
Rutaceae	Boronia parviflora Sm.	swamp boronia	No	No	No	No
Rutaceae	Correa alba Andrews var. alba	white correa	No	No	No	No
Rutaceae	Zieria arborescens Sims subsp. arborescens	stinkwood	No	No	No	No
Santalaceae	Exocarpos strictus R.Br.	pearly native-cherry	No	No	No	No
Santalaceae	Leptomeria drupacea (Labill.) Druce	erect currantbush	No	No	No	No
Scrophulariaceae	Myoporum insulare R.Br.	common boobialla	No	No	No	No
Scrophulariaceae	Verbascum thapsus L.		No	No	No	Yes
Selaginellaceae	Selaginella gracillima (Kunze) Spring ex Salomon	tiny spikemoss	No	No	No	No
Selaginellaceae	Selaginella uliginosa (Labill.) Spring	swamp spikemoss	No	No	No	No
Solanaceae	Lycium ferocissimum Miers	african boxthorn	No	No	No	Yes
Solanaceae	Solanum nigrum L.	blackberry nightshade	No	No	No	Yes
Solanaceae	Solanum vescum F.Muell.	gunyang	No	No	No	No
Stylidiaceae	Stylidium armeria (Labill.) Labill. subsp. armeria	broadleaf triggerplant	No	No	No	No
Stylidiaceae	Stylidium beaugleholei J.H.Willis	blushing triggerplant	No	No	Rare	No
Stylidiaceae	Stylidium despectum R.Br.	small triggerplant	No	No	Rare	No

Family	Species	Common name	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Stylidiaceae	Stylidium perpusillum Hook.f.	tiny triggerplant	No	No	Rare	No
Violaceae	Viola hederacea Labill. subsp. hederacea	ivyleaf violet	No	No	No	No

Appendix 1.2 List of Bryophytes recorded during the Stony Head Bush Blitz					
Family	**Species**	**Putative new species**	**Threatened (EPBC Act)**	**Threatened (State Act)**	**Exotic / pest**
LIVERWORTS					
Aytoniaceae	*Asterella drummondii* (Hook.f. & Taylor) R.M.Schust. ex D.G.Long	No	No	No	No
Fossombroniaceae	*Fossombronia* sp. Stony Head 1	No	No	No	No
Frullaniaceae	Frullania clavata Mitt.	No	No	No	No
Frullaniaceae	Frullania deplanata Mitt.	No	No	No	No
Frullaniaceae	*Frullania prosbosciphora* Taylor	No	No	No	No
Frullaniaceae	Frullania rostrata (Hook.f. & Taylor) Hook.f. & Taylor ex Gottsche, Lindenb. & Nees	No	No	No	No
Geocalycaceae	Chiloscyphus semiteres (Lehm.) Lehm. & Lindenb.	No	No	No	No
Geocalycaceae	*Chiloscyphus* aff. *semiteres* (Lehm.) Lehm. & Lindenb.	No	No	No	No
Geocalycaceae	*Chiloscyphus* sp. Stony Head 1	No	No	No	No
Geocalycaceae	*Chiloscyphus* sp. Stony Head 2	No	No	No	No
Geocalycaceae	*Heteroscyphus* sp. Stony Head 1	No	No	No	No
Lepidoziaceae	Bazzania adnexa (Lehm. & Lindenb.) Trevis. var. adnexa	No	No	No	No
Lepidoziaceae	*Lepidozia* sp. Stony Head 1	No	No	No	No
Marchantiaceae	Lunularia cruciata (L.) Dumort.	No	No	No	No
Marchantiaceae	Marchantia berteroana Lehm. & Lindenb.	No	No	No	No
Metzgeriaceae	Metzgeria furcata (L.) Dumort.	No	No	No	No
Ricciaceae	Riccia sp. Stony Head 1	No	No	No	No
MOSSES					
Aulacomniaceae	Leptotheca gaudichaudii Schwägr.var. gaudichaudii	No	No	No	No
Bartramiaceae	Breutelia affinis (Hook.) Mitt.	No	No	No	No
Bartramiaceae	Philonotis australiensis D.G.Griffin & W.R.Buck	No	No	No	No
Brachytheciaceae	Brachythecium albicans (Hedw.) Schimp.	No	No	No	Yes
Brachytheciaceae	*Brachythecium* sp. Stony Head 1	No	No	No	No
Brachytheciaceae	Eurhynchium praelongum (Hedw.) Bruch & Schimp.	No	No	No	Yes
Brachytheciaceae	Rhynchostegium tenuifolium (Hedw.) Reichardt	No	No	No	No
Bryaceae	*Gemmabryum* sp. Stony Head 1	No	No	No	No
Bryaceae	Orthodontium lineare Schwägr.	No	No	No	No
Bryaceae	Rosulabryum billardierei (Schwägr.) J.R.Spence	No	No	No	No
Bryaceae	Rosulabryum subtomentosum (Hampe) J.R.Spence	No	No	No	No
Bryaceae	Rosulabryum torquescens (Bruch & Schimp.) J.R.Spence	No	No	No	No
Dicranaceae	Campylopus appressifolius Mitt.	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Dicranaceae	Campylopus bicolor (Müll.Hal.) Wilson	No	No	No	No
Dicranaceae	*Campylopus clavatus* Wilson	No	No	No	No
Dicranaceae	Campylopus introflexus (Hedw.) Brid.	No	No	No	No
Dicranaceae	*Campylopus pallidus* Hook.f. & Wilson	No	No	No	No
Dicranaceae	Dicranoloma billardierei (Brid.) Paris	No	No	No	No
Dicranaceae	Dicranoloma dicarpum (Nees) Paris	No	No	No	No
Dicranaceae	Dicranoloma menziesii (Taylor) Renauld	No	No	No	No
Ditrichaceae	Ceratodon purpureus (Hedw.) Brid.	No	No	No	No
Ditrichaceae	Ditrichum difficile (Duby) M.Fleisch.	No	No	No	No
Fissidentaceae	Fissidens asplenioides Hedw.	No	No	No	No
Fissidentaceae	Fissidens curvatus Hornsch. var. curvatus	No	No	No	No
Fissidentaceae	Fissidens taylorii Müll.Hal.	No	No	No	No
Fissidentaceae	Fissidens tenellus Hook.f. & Wilson var. australiensis (A.Jaeger) Beever & I.G.Stone	No	No	No	No
Funariaceae	Funaria hygrometrica Hedw.	No	No	No	No
Hookeriaceae	Calyptrochaeta apiculata (Hook.f. & Wilson) Vitt	No	No	No	No
Hypnaceae	Hypnum cupressiforme Hedw.	No	No	No	No
Lembophyllaceae	Lembophyllum clandestinum (Hook.f. & Wilson) Lindb. ex Paris	No	No	No	No
Orthotrichaceae	Macromitrium archeri Mitt.	No	No	No	No
Orthotrichaceae	*Zygodon menziesii* (Schwägr.) Arn.	No	No	No	No
Orthotrichaceae	Zygodon minutus Müll.Hal. & Hampe	No	No	No	No
Polytrichaceae	Polytrichum juniperinum Hedw.	No	No	No	No
Pottiaceae	Barbula calycina Schwägr.	No	No	No	No
Pottiaceae	Didymodon torquatus (Taylor) Catches.	No	No	No	No
Pottiaceae	*Hymenostomum sullivani*i Müll.Hal. ex Geh.	No	No	No	No
Pottiaceae	Syntrichia antarctica (Hampe) R.H.Zander	No	No	No	No
Pottiaceae	Syntrichia papillosa (Wilson) Jur.	No	No	No	No
Pottiaceae	Tortula muralis Hedw.	No	No	No	No
Pottiaceae	Triquetrella papillata (Hook.f. & Wilson) Broth.	No	No	No	No
Pottiaceae	Weissia controversa Hedw.	No	No	No	No
Pottiaceae	*Weissia* sp. Stony Head 1	No	No	No	No
Ptychomniaceae	Ptychomnion aciculare (Brid.) Mitt.	No	No	No	No
Racopilaceae	Racopilum cuspidigerum (Schwägr.) Ångstr. var. convolutaceum (Müll.Hal.) Zanten & Dijkstra	No	No	No	No
Rhizogoniaceae	Pyrrhobryum paramattense (Müll.Hal.) Manuel	No	No	No	No
Sematophyllaceae	Rhaphidorrhynchium amoenum (Hedw.) M.Fleisch. var. amoenum	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Sematophyllaceae	Sematophyllum homomallum (Hampe) Broth.	No	No	No	No
Sematophyllaceae	Warburgiella macrospora (Dixon & Sainsbury) B.C.Tan, W.B.Schofield & H.P.Ramsay	No	No	No	No
Sematophyllaceae	Wijkia extenuata (Brid.) H.A.Crum	No	No	No	No
Sphagnaceae	Sphagnum novozelandicum Mitt.	No	No	No	No
Splachnaceae	Tayloria octoblepharum (Hook.) Mitt.	No	No	No	No
Thuidiaceae	Thuidiopsis furfurosa (Hook.f. & Wilson) M.Fleisch.	No	No	No	No
Thuidiaceae	Thuidiopsis sparsa (Hook.f. & Wilson) Broth.	No	No	No	No

Appendix 1.3 List of lichens recorded during the Stony Head Bush Blitz					
Family	**Species**	**Putative new species**	**Threatened (EPBC Act)**	**Threatened (State Act)**	**Exotic / pest**
Acarosporaceae	Acarospora citrina (Taylor) Zahlbr. ex Rech.	No	No	No	No
Acarosporaceae	Acarospora fuscata (Nyl.) Arnold	No	No	No	No
Physciaceae	Amandinea decedens (Nyl.) Blaha & H.Mayrhofer	No	No	No	No
Physciaceae	Amandinea hypostictica (Elix) Elix	No	No	No	No
Physciaceae	Amandinea neoconglomerata Elix	No	No	No	No
Physciaceae	Amandinea punctata (Hoffm.) Coppins & Scheid.	No	No	No	No
Roccellaceae	Angiactis banksiae (Müll.Arg.) Kantvilas & Stajsic	No	No	No	No
Monoblastiaceae	Anisomeridium biforme (Borrer) R.C.Harris	No	No	No	No
Monoblastiaceae	Anisomeridium disjunctum P.M.McCarthy & Kantvilas	No	No	No	No
Arthoniaceae	Arthonia cf. anombrophila Coppins & P.James	No	No	No	No
Arthoniaceae	Arthonia cf. apteropteridis Kantvilas & Vezda	No	No	No	No
Arthoniaceae	Arthonia cinnabarina (DC.) Wallr.	No	No	No	No
Arthoniaceae	Arthonia ilicina Taylor	No	No	No	No
Arthoniaceae	Arthonia spp. indet.	No	No	No	No
Arthoniaceae	Arthothelium ampliatum (C.Knight & Mitt.) Müll.Arg.	No	No	No	No
Arthoniaceae	Arthothelium endoaurantiacum Makhija & Patw.	No	No	No	No
Arthoniaceae	Arthothelium interveniens (Nyl.) Zahlbr.	No	No	No	No
Parmeliaceae	Austroparmelina conlabrosa (Hale) A.Crespo, Divakar & Elix	No	No	No	No
Parmeliaceae	Austroparmelina pseudorelicina (Jatta) A.Crespo, Divakar & Elix	No	No	No	No
Ramalinaceae	Bacidia sp. A	Yes	No	No	No
Ramalinaceae	Bacidia sp. B	No	No	No	No
Ramalinaceae	Bacidia laurocerasi (Delise ex Duby) Zahlbr.	No	No	No	No
Ramalinaceae	Bacidia littoralis Kantvilas	No	No	No	No
Ramalinaceae	Bacidia septosior (Nyl.) Zahlbr.	No	No	No	No
Ramalinaceae	Bacidia stenospora C.Knight	No	No	No	No
Ramalinaceae	Bacidia wellingtonii (Stirt.) D.J.Galloway	No	No	No	No
Roccellaceae	Bactrospora metabola (Nyl.) Egea & Torrente	No	No	No	No
Roccellaceae	Bactrospora paludicola Kantvilas	No	No	No	No
Pilocarpaceae	Bapalmuia buchananii (Stirt.) Kalb & LŸcking	No	No	No	No
Physciaceae	Buellia aeruginosa A.Nordin, Owe-Larsson & Elix	No	No	No	No
Physciaceae	Buellia cranwelliae Zahlbr.	No	No	No	No
Physciaceae	Buellia dissa (Stirt.) Zahlbr.	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Physciaceae	Buellia schaereri De Not.	No	No	No	No
Physciaceae	Buellia stellulata (Taylor) Mudd var. stellulata	No	No	No	No
Physciaceae	Buellia suttonensis Elix & A.Knight	No	No	No	No
Physciaceae	Buellia sp.	No	No	No	No
Caliciaceae	Calicium glaucellum Ach.	No	No	No	No
Caliciaceae	Calicium tricolor F.Wilson	No	No	No	No
Caliciaceae	Calicium victorianum (F.Wilson) Tibell subsp. victorianum	No	No	No	No
Teloschistaceae	Caloplaca bartlettii S.Y.Kondr. & Kärnefelt	No	No	No	No
Teloschistaceae	Caloplaca cliffwetmorei S.Y.Kondr. & Kärnefelt	No	No	No	No
Teloschistaceae	Caloplaca cranfieldii S.Y.Kondr. & Kärnefelt	No	No	No	No
Teloschistaceae	Caloplaca eos S.Y.Kondr. & Kärnefelt	No	No	No	No
Teloschistaceae	Caloplaca gallowayi S.Y.Kondr., Kärnefelt & Filson	No	No	No	No
Teloschistaceae	Caloplaca gilfillaniorum Kantvilas & S.Y.Kondr.	No	No	No	No
Teloschistaceae	Caloplaca holocarpa (Hoffm.) A.E.Wade	No	No	No	No
Teloschistaceae	Caloplaca kilcundaensis S.Y.Kondr. & Kärnefelt	No	No	No	No
Teloschistaceae	Caloplaca lateritia (Taylor) Zahlbr.	No	No	No	No
Teloschistaceae	Caloplaca maccarthyi S.Y.Kondr., Kärnefelt & Elix	No	No	No	No
Teloschistaceae	Caloplaca sublobulata (Nyl.) Zahlbr.	No	No	No	No
Teloschistaceae	Caloplaca sp. 1	No	No	No	No
Teloschistaceae	Caloplaca sp. 2	No	No	No	No
Candelariaceae	Candelariella vitellina (Hoffm.) Müll.Arg.	No	No	No	No
Candelariaceae	Candelariella xanthostigmoides (Müll.Arg.) R.W.Rogers	No	No	No	No
Lecanoraceae	Carbonea latypizodes (Müll.Arg.) Knoph & Rambold	No	No	No	No
Carbonicolaceae	Carbonicola foveata (Timdal) Bendiksby & Timdal	No	No	No	No
Catillariaceae	Catillaria austrolittoralis Kantvilas & van den Boom	No	No	No	No
Ramalinaceae	Catinaria atropurpurea (Schaer.) Vězda & Poelt	No	No	No	No
Mycocaliciaceae	Chaenothecopsis ? savonica (Räsänen) Tibell	No	No	No	No
Roccellaceae	Chiodecton colensoi (A.Massal.) Müll.Arg.	No	No	No	No
Chrysotrichaceae	Chrysothrix sulphurella (Räsänen) Kantvilas & Elix	No	No	No	No
Chrysotrichaceae	Chrysothrix xanthina (Vain.) Kalb	No	No	No	No
Cladoniaceae	Cladia aggregata (Sw.) Nyl.	No	No	No	No
Cladoniaceae	Cladia inflata (F.Wilson) D.J.Galloway	No	No	No	No
Cladoniaceae	Cladia retipora (Labill.) Nyl.	No	No	No	No
Cladoniaceae	Cladia schizopora (Nyl.) Nyl.	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Cladoniaceae	Cladonia capitellata (Hook.f. & Taylor) C.Bab. var. squamatica A.W.Archer	No	No	No	No
Cladoniaceae	Cladonia confusa R.Sant.	No	No	No	No
Cladoniaceae	Cladonia humilis (With.) J.R.Laundon var. humilis	No	No	No	No
Cladoniaceae	Cladonia merochlorophaea Asahina	No	No	No	No
Cladoniaceae	Cladonia paeminosa A.W.Archer	No	No	No	No
Cladoniaceae	Cladonia praetermissa A.W.Archer var. praetermissa	No	No	No	No
Cladoniaceae	Cladonia ramulosa (With.) J.R.Laundon	No	No	No	No
Cladoniaceae	Cladonia rigida (Hook.f. & Taylor) Hampe var. rigida	No	No	No	No
Cladoniaceae	Cladonia subradiata (Vain.) Sandst.	No	No	No	No
Cladoniaceae	Cladonia verticillata (Hoffm.) Schaer.	No	No	No	No
Ramalinaceae	Cliostomum griffithii (Sm.) Coppins	No	No	No	No
Coenogoniaceae	Coenogonium implexum Nyl.	No	No	No	No
Coenogoniaceae	Coenogonium luteum (Dicks.) Kalb & Lücking	No	No	No	No
Coenogoniaceae	Coenogonium sp.	Yes	No	No	No
Collemataceae	?Collema fasciculare (L.) Wigg. var. fasciculare	No	No	No	No
Collemataceae	Collema glaucophthalmum Nyl. var. glaucophthalmum	No	No	No	No
Collemataceae	Collema glaucophthalmum Nyl. var. implicatum (Nyl.) Degel.	No	No	No	No
Collemataceae	Collema subconveniens Nyl.	No	No	No	No
Physciaceae	Diploicia canescens (Dicks.) A.Massal.	No	No	No	No
Graphidaceae	Diploschistes eugenaeus (A.Massal.) J.Steiner	No	No	No	No
Parmeliaceae	Flavoparmelia rutidota (Hook.f. & Taylor) Hale	No	No	No	No
Parmeliaceae	Flavoparmelia soredians (Nyl.) Hale	No	No	No	No
Fuscideaceae	Fuscidea lightfootii (Sm.) Coppins & P.James	No	No	No	No
Graphidaceae	Graphis desquamescens (Fée) Zahlbr.	No	No	No	No
Graphidaceae	Graphis dracaenae Vain.	No	No	No	No
Haematommatacea	Haematomma sorediatum R.W.Rogers	No	No	No	No
Catillariaceae	Halecania subsquamosa (Müll.Arg.) van den Boom & H.Mayrhofer	No	No	No	No
Graphidaceae	Halegrapha mucronata (Stirt.) Lücking	No	No	No	No
Physciaceae	Heterodermia tremulans (Müll.Arg.) W.L.Culb.	No	No	No	No
Ophioparmaceae	Hypocenomyce australis Timdal	No	No	No	No
Ophioparmaceae	Hypocenomyce scalaris (Ach.) M.Choisy	No	No	No	No
Parmeliaceae	Hypogymnia pulverata (Nyl.) Elix	No	No	No	No
Parmeliaceae	Hypotrachyna revoluta (Flörke) Hale	No	No	No	No
Lecanoraceae	Lecanora cf. austrointumescens Lumbsch & Elix	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Lecanoraceae	Lecanora dispersa (Pers.) Sommerf.	No	No	No	No
Lecanoraceae	Lecanora flavopallida Stirt.	No	No	No	No
Lecanoraceae	Lecanora mobergiana Lumbsch & Elix	No	No	No	No
Lecanoraceae	Lecanora symmicta (Ach.) Ach.	No	No	No	No
Lecanoraceae	Lecidella flavovirens Kantvilas & Elix	No	No	No	No
Lecanoraceae	Lecidella granulosula (Nyl.) Knoph & Leuckert var. granulosula	No	No	No	No
Lecanoraceae	Lecidella stigmatea (Ach.) Hertel & Leuckert	No	No	No	No
Lecanoraceae	Lecidella xylogena (Müll.Arg.) Kantvilas & Elix	No	No	No	No
Pertusariaceae	Lepra erubescens (Hook.f. & Taylor) A.W.Archer & Elix	No	No	No	No
Stereocaulaceae	Lepraria coriensis (Hue) Sipman	No	No	No	No
Stereocaulaceae	Lepraria finkii (de Lesd.) R.C.Harris	No	No	No	No
Stereocaulaceae	Lepraria toilenae Kantvilas & Kukwa	No	No	No	No
Collemataceae	Leptogium crispatellum Nyl.	No	No	No	No
Lichinaceae	Lichina intermedia (C.Bab.) M.Schultz	No	No	No	No
Fuscideaceae	Maronea constans (Nyl.) Hepp	No	No	No	No
Megalariaceae	Megalaria grossa (Pers. ex Nyl.) Hafellner	No	No	No	No
Megalariaceae	Megalaria melaloma (C.Knight) Kantvilas	No	No	No	No
Megalariaceae	Megalaria melanotropa (Nyl.) D.J.Galloway	No	No	No	No
Megalariaceae	Megalaria subtasmanica Kantvilas	No	No	No	No
Megalosporaceae	Megaloblastenia sp.	Yes	No	No	No
Megalosporaceae	Megalospora pulverata Kantvilas	No	No	No	No
Parmeliaceae	Menegazzia caesiopruinosa P.James	No	No	No	No
Parmeliaceae	Menegazzia subpertusa P.James & D.J.Galloway	No	No	No	No
Pilocarpaceae	Micarea byssacea (Th.Fr.) Czarnota, Guzow-Krzem. & Coppins	No	No	No	No
Pilocarpaceae	Micarea aff. deminuta Coppins	No	No	No	No
Pilocarpaceae	Micarea intersociella (Stirt.) Coppins	No	No	No	No
Pilocarpaceae	Micarea mutabilis Coppins & Kantvilas	No	No	No	No
Pilocarpaceae	Micarea xanthonica Coppins & T¿nsberg	No	No	No	No
Mycoblastaceae	Mycoblastus coniophorus (Elix & A.W.Archer) Kantvilas & Elix	No	No	No	No
Parmeliaceae	Notoparmelia cunninghamii (Cromb.) A.Crespo, Ferencova & Divakar	No	No	No	No
Ochrolechiaceae	Ochrolechia apiculata Verseghy	No	No	No	No
Ochrolechiaceae	Ochrolechia blandior (Nyl.) Darb.	No	No	No	No
Ochrolechiaceae	Ochrolechia gyrophorica (A.W.Archer) A.W.Archer & Lumbsch	No	No	No	No
Roccellaceae	Opegrapha atra Pers.	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Roccellaceae	Opegrapha cf. herbarum Mont.	No	No	No	No
Roccellaceae	Opegrapha spodopolia Nyl.	No	No	No	No
Roccellaceae	Opegrapha varia Pers.	No	No	No	No
Roccellaceae	Opegrapha viridis (Ach.) Nyl.	No	No	No	No
Roccellaceae	Opegrapha sp. A	No	No	No	No
Roccellaceae	Opegrapha spp. indet.	No	No	No	No
Lecanoraceae	Palicella sp.	No	No	No	No
Pannariaceae	Pannaria pulverulacea Elvebakk	No	No	No	No
Parmeliaceae	Pannoparmelia wilsonii (Räsänen) D.J.Galloway	No	No	No	No
Lecideaceae	Paraporpidia leptocarpa (C.Bab. & Mitt.) Rambold & Hertel	No	No	No	No
Pannariaceae	Parmeliella nigrocincta (Mont.) MŸll.Arg.	No	No	No	No
Parmeliaceae	Parmotrema neopustulatum Kurok.	No	No	No	No
Parmeliaceae	Parmotrema perlatum (Huds.) M.Choisy	No	No	No	No
Parmeliaceae	Parmotrema reticulatum (Taylor) M.Choisy	No	No	No	No
Peltigeraceae	Peltigera dolichorhiza (Nyl.) Nyl.	No	No	No	No
Pertusariaceae	Pertusaria crassilabra Müll.Arg.	No	No	No	No
Pertusariaceae	? Pertusaria krogii A.W.Archer. Elix, Eb.Fisch., Killman & Sérus.	No	No	No	No
Pertusariaceae	Pertusaria pertractata Stirt.	No	No	No	No
Pertusariaceae	? Pertusaria sp.	No	No	No	No
Graphidaceae	Phaeographis lindigiana Müll.Arg.	No	No	No	No
Phlyctidaceae	Phlyctis sp.	Yes	No	No	No
Phlyctidaceae	Phlyctis subuncinata Stirt.	No	No	No	No
Physciaceae	Physcia neonubila Elix	No	No	No	No
Physciaceae	Physcia poncinsii Hue	No	No	No	No
Trapeliaceae	Placynthiella icmalea (Ach.) Coppins & P.James	No	No	No	No
Porinaceae	Porina leptalea (Durieu & Mont.) A.L.Sm.	No	No	No	No
Porinaceae	Porina meridionalis P.M.McCarthy	No	No	No	No
Porinaceae	Porina rhaphidiophora (Nyl.) Müll.Arg.	No	No	No	No
Porinaceae	Porina whinrayi P.M.McCarthy	No	No	No	No
Lobariaceae	Pseudocyphellaria rubella (Hook.f. & Taylor) D.J.Galloway & P.James	No	No	No	No
Caliciaceae	Pseudothelomma ocellatum (Körb.) M. Prieto & Wedin	No	No	No	No
Pannariaceae	Psoroma asperellum Nyl.	No	No	No	No
Parmeliaceae	Punctelia pseudocoralloidea (Gyeln.) Elix & Kantvilas	No	No	No	No
Parmeliaceae	Punctelia transtasmanica Elix & Kantvilas	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Pyrenulaceae	Pyrenula dermatodes (Borrer) Schaer.	No	No	No	No
Ramalinaceae	Ramalina fissa (Müll.Arg.) Vain.	No	No	No	No
Ramalinaceae	Ramalina inflata (Hook.f. & Taylor) Hook.f. & Taylor	No	No	No	No
Lecanoraceae	?Ramboldia arandensis (Elix) Kalb, Lumbsch & Elix	No	No	No	No
Lecanoraceae	Ramboldia blastidiata Kantvilas & Elix	No	No	No	No
Lecanoraceae	Ramboldia laeta (Stirt.) Kalb, Lumbsch & Elix	No	No	No	No
Lecanoraceae	Ramboldia sorediata Kalb	No	No	No	No
Lecanoraceae	Ramboldia stuartii (Hampe) Kantvilas & Elix	No	No	No	No
Rhizocarpaceae	Rhizocarpon reductum Th.Fr.	No	No	No	No
Rhizocarpaceae	Rhizocarpon viridiatrum (Wulfen) Körb.	No	No	No	No
Physciaceae	Rinodina australiensis Müll.Arg	No	No	No	No
Physciaceae	Rinodina blastidiata Matzer & H.Mayrhofer	No	No	No	No
Physciaceae	Rinodina oleae Bagl.	No	No	No	No
Physciaceae	Rinodina subcrustacea (Müll.Arg.) Zahlbr.	No	No	No	No
Roccellaceae	Schismatomma occultum (C.Knight & Mitt.) Zahlbr.	No	No	No	No
Scoliciosporaceae	Scoliciosporum umbrinum (Ach.) Arnold	No	No	No	No
Lecanorales	? Strangospora sp.	No	No	No	No
Teloschistaceae	Teloschistes spinosus (Hook.f. & Taylor) J.S.Murray	No	No	No	No
Teloschistaceae	Teloschistes velifer F.Wilson	No	No	No	No
Mycoblastaceae	Tephromela alectoronica Kalb	No	No	No	No
Mycoblastaceae	Tephromela sorediata Kalb & Elix	No	No	No	No
Caliciaceae	? Thelomma sp.	No	No	No	No
Graphidaceae	Thelotrema lepadinum (Ach.) Ach.	No	No	No	No
Cladoniaceae	Thysanothecium scutellatum (Fr.) D.J.Galloway	No	No	No	No
Trapeliaceae	Trapeliopsis flexuosa (Fr.) Coppins & P.James	No	No	No	No
Lecanoraceae	Tylothallia verrucosa (Müll.Arg.) Kantvilas	No	No	No	No
Parmeliaceae	Usnea cornuta Körb.	No	No	No	No
Parmeliaceae	Usnea dasaea Stirt.	No	No	No	No
Parmeliaceae	Usnea inermis Motyka	No	No	No	No
Parmeliaceae	Usnea rubrotincta Stirt.	No	No	No	No
Verrucariaceae	Verrucaria prominula Nyl.	No	No	No	No
Parmeliaceae	Xanthoparmelia australasica D.J.Galloway	No	No	No	No
Parmeliaceae	Xanthoparmelia conranensis (Elix) Elix	No	No	No	No
Parmeliaceae	Xanthoparmelia flavescentireagens (Gyeln.) D.J.Galloway	No	No	No	No

Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Parmeliaceae	Xanthoparmelia mougeotina (Nyl.) D.J.Galloway	No	No	No	No
Parmeliaceae	Xanthoparmelia streimannii (Elix & P.Armstr.) Elix & J.Johnst.	No	No	No	No
Parmeliaceae	Xanthoparmelia subprolixa (Nyl. ex Kremp.) O.Blanco, A.Crespo, Elix, D.Hawksw. & Lumbsch	No	No	No	No
Teloschistaceae	Xanthoria ligulata (Kšrb.) P.James	No	No	No	No
N/A	unidentified species A	No	No	No	No