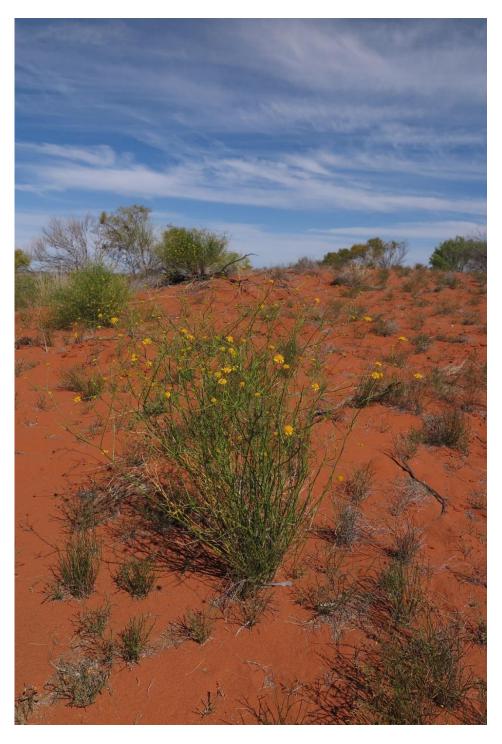
Vascular Flora of the Peterswald Hill area, Great Victoria Desert.

Report for the Department of the Environment



N Gibson, EM Sandiford and M Langley
July 2015



Contents

Abstract	3
Introduction	3
Methods	12
Results	13
Discussion	16
Acknowledgements	19
References	19
Appendix 1. Hubbe's list of vascular flora recorded 1896.	20
Appendix 2. List of vascular flora recorded on the PETERSWALD sheet	
and adjacent areas.	21
Appendix 3. List of flora only recorded adjacent to PETERSWALD sheet.	32
Appendix 4. Plates of selected flora encountered in survey.	33

Authors' affiliation and contributions

	Affiliation	Field work	Photography	Identifications	Writing
N Gibson	Dept Parks & Wildlife	Yes		Yes	Lead
EM Sandiford	Volunteer	Yes	Yes	Yes	Contributed
M Langley	Dept Parks & Wildlife			Yes	Contributed

All photos: © EM Sandiford.

 $\label{lem:cover_photo:cover} \textbf{Cover photo: } \textit{Calotis erinacea} \text{ on one of the many dunes found on the PETERSWALD sheet.}$

Abstract

A flora survey was conducted over the PETERSWALD map sheet from the 25th August – 9th September 2014. This survey which included some wetland sites just outside the map sheet and increased the known flora for the area to 382 taxa. One of the species collected previously (1896) was not relocated. A total of 454 collections were made of 334 taxa representing 87.7% of taxa encountered. Of the 381 taxa recorded in the current survey 70 (18.4%) were new records for the Great Victoria Desert based on FloraBase records. Seven taxa on the Department of Parks and Wildlife's Priority Flora List were encountered, one of these (Brachyscome sp. Wanna Munna Flats (S. van Leeuwen 4662)) has recently been re-circumscribed (now Roebuckiella similis P.S Short) and its current listing needs review. Only two introduced taxa were recorded Sonchus oleracea and Cyperus hamulosus. Five taxa were collected that could not be assigned to currently described species, two of these appear to have been collected for the first time (Sclerolaena sp. (NG & EMS) 7530), Sida sp. (NG & EMS 7618)). A number of significant range extensions were recorded the largest was over 500 km (Aenictophyton anomalum). Given the access limitations and the diversity recorded in other areas where detailed floristic studies have been undertaken in the Great Victoria Desert the results of this survey should be considered preliminary. Camels appear to be having a significant negative impact on the vegetation which had not been noted in other recent surveys in the arid zone.

Introduction

Collection of information on the distribution of flora and fauna across Australia is patchy due to size of the continent, variability in climatic condition in both time and space and the general lack of accessibility in the arid zone. The Federal government has provided some assistance to State governments to undertake survey work in areas with the least amount of available biological data. These surveys target those 1:100,000 map sheets with the fewest flora and fauna records in the national biodiversity databases. As part of this program a biological survey was recently undertaken covering the PETERSWALD (3644) 1: 100,000 map sheet. This report outlines the results of the flora survey of this area.

The PETERSWALD sheet covers an area in the north western sector of the Great Victoria Desert bioregion ca. 250 km northwest of Laverton and ca. 390 km east of Wiluna (Figure 1). The map sheet is located just to the north east of Lake Wells station on Unallocated Crown Land which is not currently under Native Title claim. The study area falls entirely within GVD2 subregion and occurs close (7–60 km) to the borders of four other bioregions: the Gascoyne to the northwest, the Murchison to the west, the Little Sandy Desert to the north and the Gibson Desert to the north east (Figure 1).

The earliest European exploration of the area was the final stage of the Elder Scientific Exploring Expedition when Wells and a small team cross the map sheet in two days in March 1892 (Lindsay 1892). Cumming, a member of the expedition, made the first plant collections from the area, these collections are now housed in the Adelaide Herbarium (Figure 2). Wells named many of the geographic features of the area including Peterswald Hill from which the map sheet takes its name (Figure 2). Wells' map and journal indicate the vegetation they passed through largely comprised mulga on the rocky ridges and spinifex with desert gums, acacias, quondongs [sic] and occasional mallees on high sand dunes (Figure 2). Cumming collected a mistletoe (*Amyema preissii*) on the Ernest Giles Range and a Hopbush (*Tribulus suberosus*) on the western boundary of the sheet. In all Cumming made 65 collections comprising 45 taxa during the latter part of the Elder expedition in Western Australia.

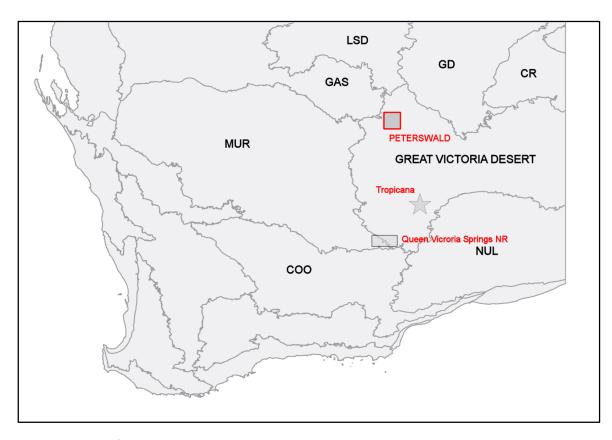


Figure 1. Location of the PETERSWALD map sheet in the Great Victoria Desert bioregion. Neighbouring bioregions are also indicated (COO, Coolgardie; MUR, Murchison; GAS, Gascoyne; LSD, Little Sandy Desert; GD, Gibson Desert; CR, Central Ranges. Also shown are locations mentioned in text.

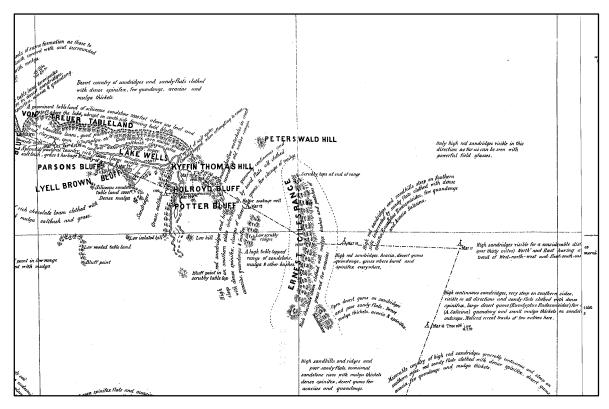


Figure 2. Excerpt from survey map produced by Elder Scientific Exploring Expedition centred on Peterswald Hill showing area covered by Wells between 16th and 23rd March 1892. Wells named many of the geographic features and gave brief descriptions of the vegetation.

Hubbe's party next traversed the area over three days in May 1896. Hubbe and his companions had been tasked with finding a stock route from Oodnadatta in South Australia to the Western Australian goldfields. While no plant collections were made Hubbe produced a very detailed map of the soils and vegetation he traversed (Figure 3) and listed 20 taxa in his journal (Hubbe 1897) from the PETERSWALD sheet, 14 of which came be identified to species level (Appendix 1). A few months later in August 1896 Carnegie crossed the Ernst Giles Range south of the PETERSWALD sheet on his epic journey north to Halls Creek and then traversed to the north and west of the area on his return journey in June 1897 (Carnegie 1898).

Frank Hann and his aboriginal companion Talbot also explored the region in February 1908 (Donaldson & Elliot 1998). Hann named the Calanchini Hills at the northern end of the Ernest Giles Range which he considered separate as well as Calanchini Creek and with Talbot established a trig on Welstead Hill near Peterswald Hill (Figure 4). While his diaries give detailed information of his routes, the naming of geographical features and the location of water, information on the flora and vegetation is meagre.

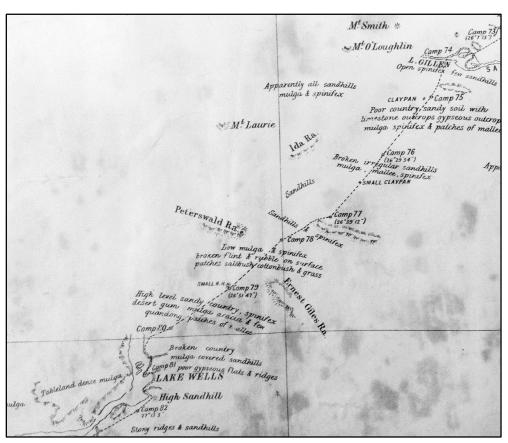


Figure 3. Excerpt from survey map produced by the Stock Route Expedition from South Australia to Western Australia centred on Peterswald Hill showing area covered by Hubbe between 6th and 14th May 1896. Hubbe's journal gave detailed descriptions of the soil and vegetation traversed.

Little further information was available until broad scale vegetation and geological mapping were undertaken some 70 years later. Geological mapping of the area was produced in the late 1970's as part of the 1: 250,000 series (Jackson 1978). Four major physiographic units were recognised on the PETERSWALD sheet; rocky uplands, sand dunes and sand plains, lateritic plain overlain in part by aeolian sand or valley fill and depressions representing relictual drainage systems.

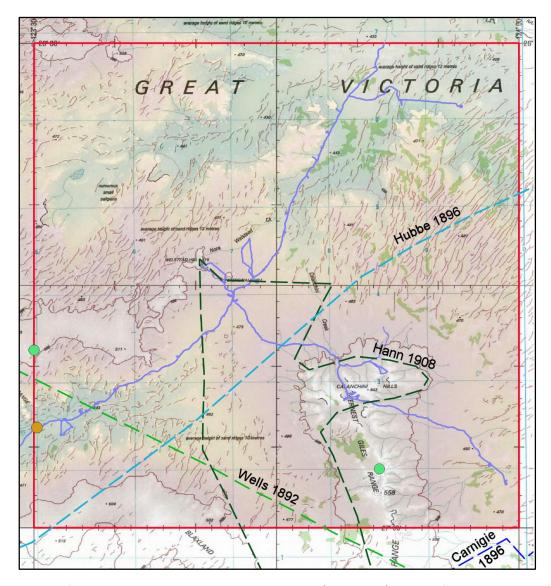


Figure 4. Track of early exploration on the PETERSWALD sheet (red border). Tracks of Wells and Hubbe from georeferenced expedition maps, Hann's route plotted from diary entries (Donaldson & Elliot 1998). Carnegie passed just to the south east of map sheet in August 1896. Green dots indicate locations of Cumming collections (1892) and orange dot Latz collection (2010). Track traversed on current survey shown as solid line.

The rocky uplands comprise the mesas, breakaways, low hills and adjacent colluvial deposits and include the Ernest Giles Range and Peterswald and Welstead Hills. The sand dunes and sand plains cover most of the map sheet. The dunes tend to be northeast trending and generally several kilometres long. The lateritic plains are relatively uncommon being largely covered the sand dune systems. Depressions are a small component on this map sheet and were not visited during the current survey.

Beard (1974) had mapped the area some years earlier at 1: 1,000,000 scale from aerial photo interpretation and limited ground traverses of surrounding areas (Figure 5). This area falls within his Helms Botanical District (now generally referred to as the Great Victoria Desert bioregion). His broad scale map shows mulga (*Acacia aneura* sens. lat.) scrub occupying most of the upland areas (Figure 6), while the central and south eastern areas of dune swales and plains are dominated by *Eucalyptus gongylocarpa* over *Triodia basedowii* (Figure 7). The swales in similar dune systems to the northwest are dominated by mulga (Figure 8a). Beard attributes this difference to a thinner sand cover over the

Precambrian bedrock. Smaller areas of sand plain without a tree overstorey occur in the southwest. While these four formations occupy most of the map sheet, there are small additional areas of salt lake vegetation and mulga low woodland on an arm of Lake Wells in the southwest corner of the map and a band of mallee in the northeast (Figure 8b).

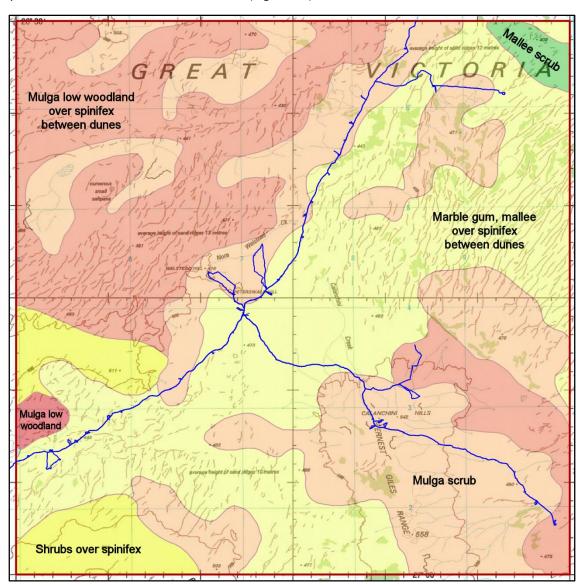


Figure 5. Beard's 1:1,000,000 vegetation mapping covering the PETERSWALD sheet. A small sliver of salt lake vegetation is also mapped in the southwest of this map sheet adjacent to the Mulga low woodland. Tracks traversed in this survey shown in as solid line.

Largely however the Great Victoria Desert has remained little studied primarily due to the difficulty of access. What studies that have been undertaken have generally been broad scale regional surveys (fauna - Burbidge *et al.* 1976, McKenzie & Burbidge 1979; flora - Newbey *et al.* 1984). The flora and vegetation of Queen Victoria Spring Nature Reserve (some 400 km to the south) is an exception and has been studied in detail (Pearson 1994). More recently there has been other detailed survey work in the southern Great Victoria Desert for the Tropicana mining development (ecologia 2009). The flora and vegetation of the PETERSWALD sheet have remained unexplored with only one recent plant collection. This collection by Peter Latz of *Eremophila platythamnos* subsp. *exotrachys* was made in 2010 from the southwest corner of the sheet (Figure 4).

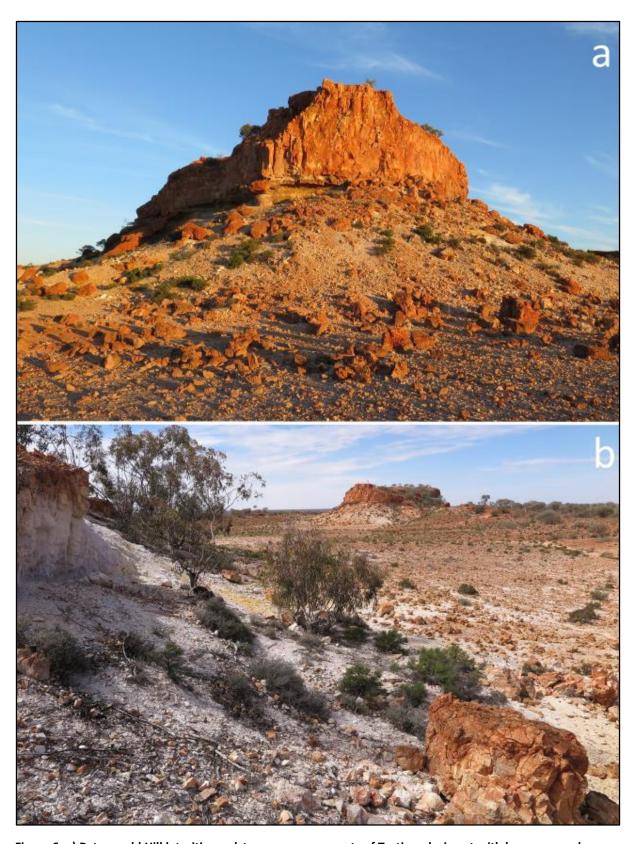


Figure 6. a) Peterswald Hill lateritic sandstone mesa, remnants of Tertiary duricrust with low open mulga scrub occurring on upper slopes where soil permitted. b) Weathered kalonite exposed below breakaways carrying open mallee (here *Eucalyptus carnei*) community with scattered chenopods (*Tecticornia, Maireana*) dominating outwash plains.

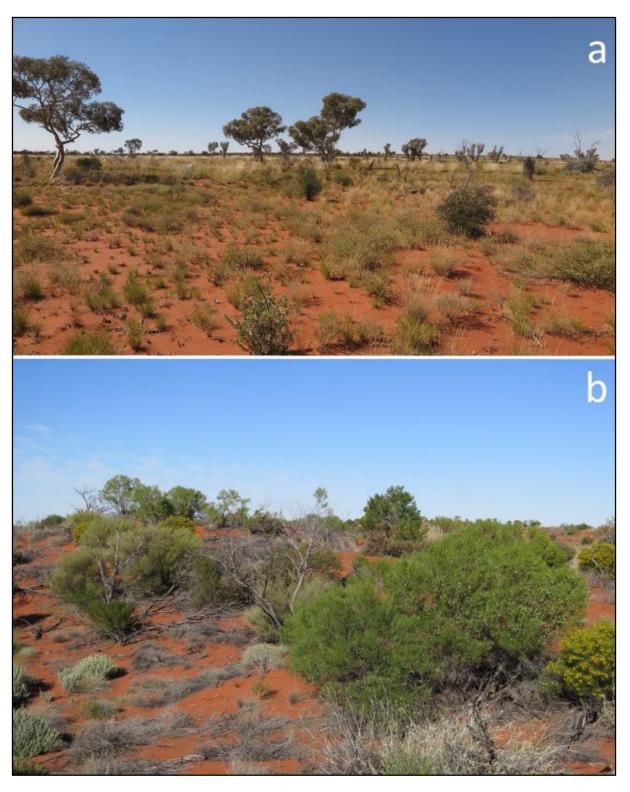


Figure 7. Large proportions of the PETERSWALD sheet are coved by sand dunes and swales. a) Swales are commonly dominated by *Eucalyptus gongylocarpa* over *Triodia basedowii*. Foreground recently burnt, sand dune forming skyline ridge. b) Dune vegetation typically included species of *Callitris, Grevillea, Eremophila,* and *Aluta* with both *Triodia basedowii* and *T. schinzii*.

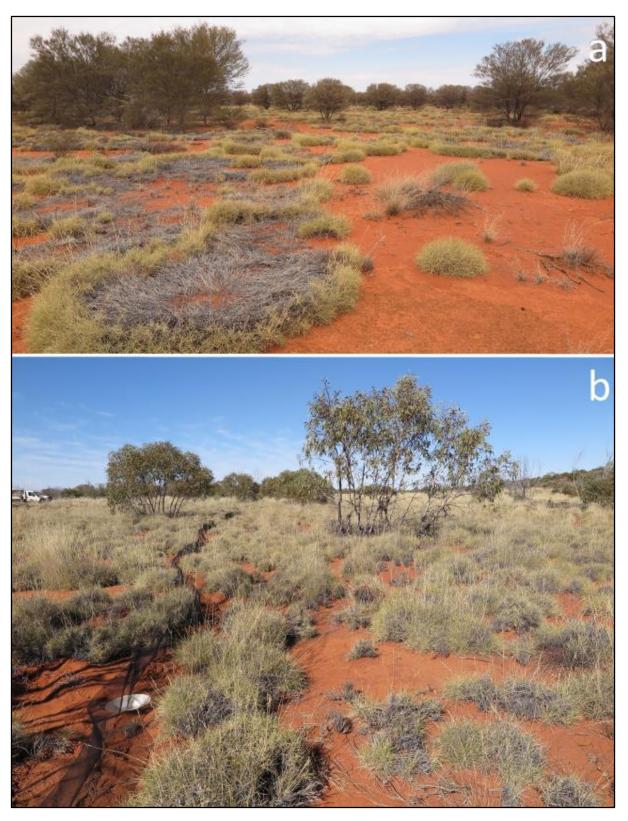


Figure 8. a) In the northwest the swale vegetation was dominated by mulga over *Triodia basedowii*. b) Occasionally the swales are mallees dominated as pictured here where *Eucalyptus youngiana* forms the canopy layer over the ubiquitous *Triodia basedowii*.

Methods

Twenty five relevés ca. 0.25 ha were established and scored exhaustively for vascular flora. At 15 of these sites fauna surveys were also carried out. Collections were made at an additional 98 site within the PETERSWALD map sheet and at five sites to the west and south west of the map sheet (Figure 9). The five sites outside the primary study area represented small wetlands on the main access track where good material of uncollected species were available. All five sites were within the Great Victoria Desert bioregion. Sampling was carried out over 16 days from the 25^{th} August -9^{th} September 2014. The survey used a single base camp located near the cross roads south south east of Peterswald Hill (Figure 9).

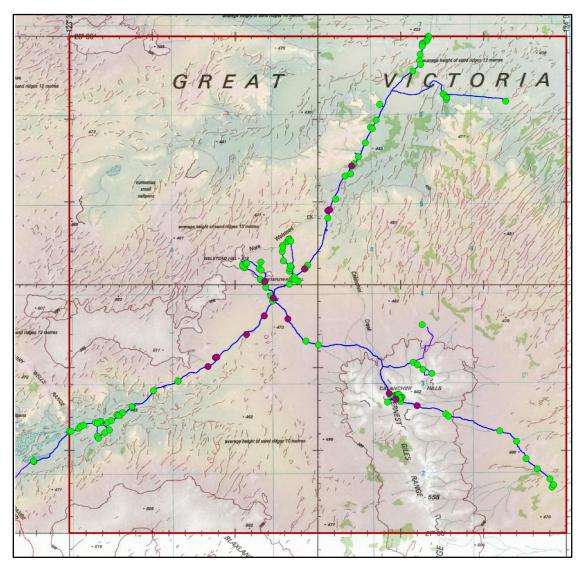


Figure 9. PETERSWALD map sheet (red borders) showing major topographic features, track traversed during survey, fauna sites (red dots) and flora collection sites (green dots). Several wetlands to the southwest of the sheet were also sampled.

As expected the landforms and vegetation patterns were found to be much more complex than suggested by Jackson (1978) and Beard (1974). On rocky uplands distinct vegetation types were found on the mesa tops, the breakaways and outwash plains (Figure 6 & 10) while the lateritic plains only outcropped in places and vegetation varied from almost bare to open shrublands dependent on soil depth (Figure 10b). The dunes were relatively consistent in species composition of the understorey although the dominant tree cover varied (Figure 7). The swale vegetation could either

be dominated by *E. gongylocarpa* or *Acacia* spp. in the mulga group or occasionally by mallee eucalypts (Figure 7 & 8). Drainage lines often comprised thicker *Acacia* woodlands with a rich herbaceous layer and small ephemeral claypans and salt lakes were locally common although highly variable in species composition (Figure 11). All of these habitats were sampled during the survey. Lack of access track precluded sampling of the large depressions mapped by Jackson (1978) in the west and northwest. Vegetation patterning was much finer than that mapped by Beard and all of his vegetation types were visited during the survey.

Wherever possible collections were made of all species of vascular flora encountered from at least two different locations, while Priority flora was collected wherever it was encountered. Collecting followed standard methods with flowering and fruiting material being pressed after each days collecting, brief description were compiled for all sites and locations determined by handheld GPS. At the 15 unbounded relevés generally 30-40 minutes was spent sampling the area. At the completion of the surveys the plant presses were dried and frozen before processing. Nomenclature follows current usage at the Western Australian Herbarium.

Once the collections had been identified the geographical range of the species was determined from distribution maps available on FloraBase (WA Herbarium (1998–); accessed May 2015). Although no taxa were found to be restricted to the Great Victoria Desert many new records for this region were documented and range extensions of > 400 km were noted.

Results

During the survey 381 taxa including varieties and hybrids were recorded and 454 collections were made of 334 (87.7%) of these taxa (Appendix 2). The most common families were Asteraceae (47 taxa), Fabaceae (47), Poaceae (39), Chenopodiaceae (39), Scrophulariaceae (21), Goodeniaceae (19), Myrtaceae (14) Malvaceae (14) and Amaranthaceae (13).

Of the 381 taxa recorded 70 (18.4%) were new records for the Great Victoria Desert in Western Australia (Appendix 2). These figures include the 26 taxa recorded from the five sites just outside the PETERSWALD sheet. These taxa are predominately wetland species (Appendix 3). The 70 taxa not previously recorded from the Great Victoria Desert were predominantly from the Asteraceae (11 taxa), Poaceae (8 taxa), Scrophulariaceae (6 taxa), Fabaceae (4 taxa).

No threatened taxa were recorded during the survey, while seven taxa on the Department of Parks and Wildlife's Priority Flora List were encountered (Table 1). The Priority Flora List is a State based list of taxa under consideration for listing as Threatened Flora. Taxa that have not yet been adequately surveyed may be added to the Priority Flora List under Priorities 1, 2 or 3 (Jones 2014). Five of these taxa had not been previously been recorded from the Great Victoria Desert bioregion, while three did not occur on the PETERSWALD sheet but were recorded from small wetlands just to the west and south west of the sheet.

Only two introduced taxa were recorded *Sonchus oleracea* and *Cyperus hamulosus*. The record of *C. hamulosus* came from a wetland southwest of the PETERSWALD sheet.

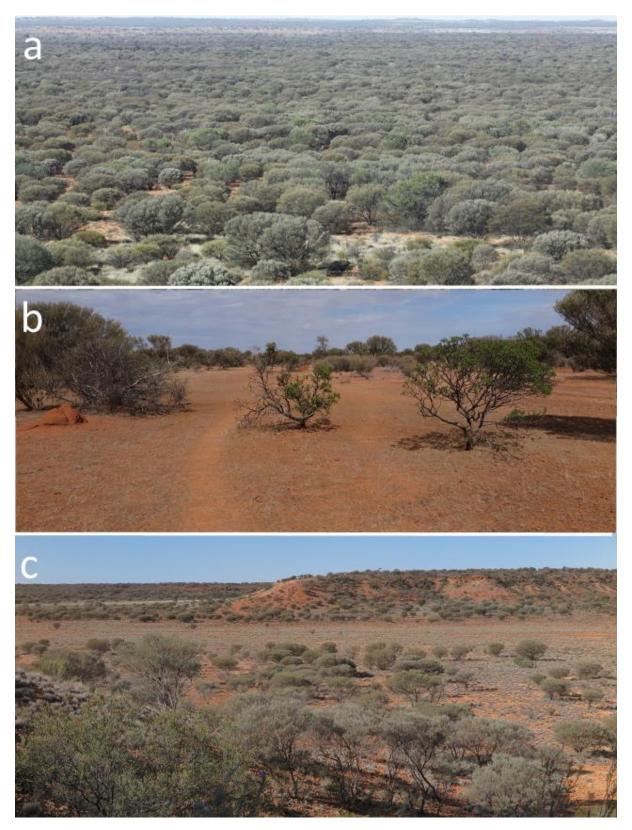


Figure 10. a) Rocky plain in the north of the PETERSWALD sheet dominated by mulga. b) On the shallowest soil low open *Acacia – Eremophila* shrubland is encountered. c) Extensive *Atriplex* shrublands can develop below the larger breakaway systems (Calachini Hills).

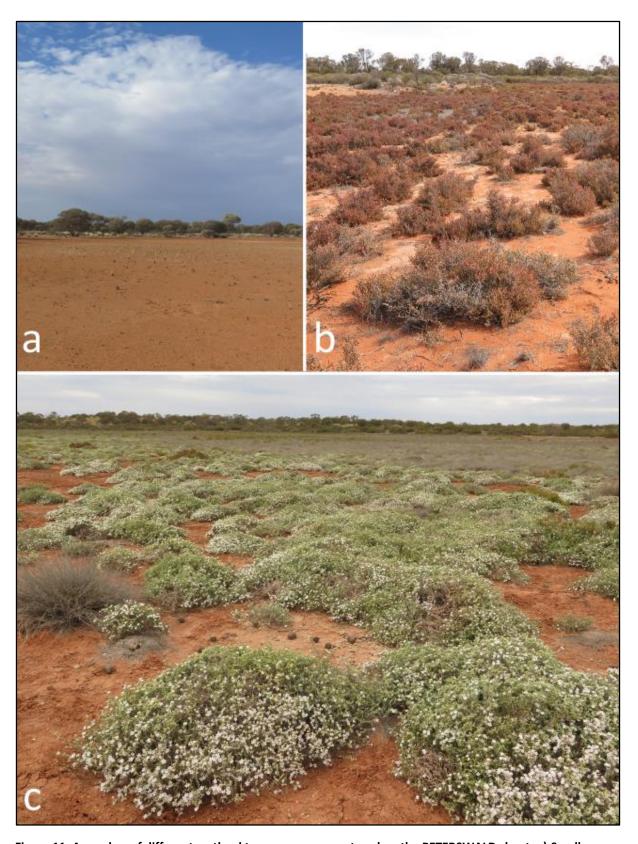


Figure 11. A number of different wetland types were encountered on the PETERSWALD sheet. a) Small ephemeral clay based wetlands in low lying areas of the mulga shrublands up to several hectares in size, often dominated by small herbs such as *Calandrinia* spp., *Goodenia* spp. and Asteraceae. b) More saline soils in paleodrainage lines were dominated by *Tecticornia* spp. c) Larger wetland showed zonal vegetation patterns such as here where *Frankenia cinerea* dominated the outer edge of the wetland.

Table 1. Priority flora recorded during current survey. New records for Great Victoria Desert bioregion indicated. Three taxa were recorded from wetlands to the west and southwest of the PETERSWALD sheet.

Family	Taxon	Priority Code	New record GVD	On PETERSWALD sheet	Appendix 4 Photo number
Asteraceae	Brachyscome sp. Wanna Munna Flats (S. van Leeuwen 4662)	1	Yes		13
Cyperaceae	Eleocharis papillosa	3	Yes	No	102
Elatinaceae	Elatine macrocalyx	3	Yes	No	-
Frankeniaceae	Frankenia glomerata	3			-
Goodeniaceae	Goodenia lyrata	3	Yes		38
Myrtaceae	Melaleuca apostiba	3		No	-
Scrophulariaceae	Eremophila shonae subsp. diffusa	3	Yes		-

Phrase names are used on FloraBase (WA Herbarium 1998–) to identify species that are likely to represent "good" taxa though not yet formally described. Nine taxa with phrase names were recorded in the current survey (Table 2). Two of these taxa (*Brachyscome* sp. = *Roebuckiella similis* P.S Short; *Podolepis* sp. = *Podolepis eremaea* Jeanes) have recently been described but are not yet listed on FloraBase (Appendix 4, photos 13).

Table 2. Phrase named taxa recorded during current survey.

Family	Taxon
Asteraceae	Brachyscome sp. Wanna Munna Flats (S. van Leeuwen 4662)
Asteraceae	Podolepis sp. Great Victoria Desert (A.S. George 8219)
Chenopodiaceae	Tecticornia sp. Dennys Crossing (K.A. Shepherd & J. English KS 552)
Fabaceae	Senna sp. Meekatharra (E. Bailey 1-26)
Malvaceae	Sida sp. Golden calyces pubescent (G.J. Leach 1966)
Malvaceae	Sida sp. tiny glabrous fruit (A.A. Mitchell PRP1152)
Malvaceae	Sida sp. verrucose glands (F.H. Mollemans 2423)
Rubiaceae	Pomax sp. desert (A.S. George 11968)
Scrophulariaceae	Eremophila sp. Plumridge Lakes (S.G.M. Carr 534)

Four further taxa were collected that could not be assigned to currently described species:

- Thysanotus aff. patersonii (NG & EMS 7786) is a climbing fringe lily that was collected on a dune and in run-on area dominated by mulga. This taxa is part of a species complex currently under review (Appendix 4, photo 74).
- Sclerolaena sp. (NG & EMS 7530) was collected at a single wetland dominated by Frankenia cinerea in the south of the map sheet (Figure 11c). Its leaves are densely covered in long branched hairs which are also apparent on the fruits. Branched hairs are unusual in Sclerolaena and this collection could not be matched to any previous collection in the WA Herbarium.
- Velleia sp. (NG & EMS 7638) was collected from two mulga sites. It has a very hairy scape
 and a long spur on the flower. It keys to Velleia glabrata but is clearly not that taxon. There
 appears to be numerous previous collections of this taxa in the WA Herbarium.
- Sida sp. (NG & EMS 7618) is a small creeping taxon that was collected from two dunes. It could not be matched to any of the currently recognised taxa. This group is taxonomically complex and is currently being revised.

The *Sclerolaena* sp. (NG & EMS 7530) and *Sida* sp. (NG & EMS 7618) may represent local endemic taxa. No other taxa appear to be endemic to the study area, indeed none of the 381 taxa recorded are endemic to the Great Victoria Desert, although *Melaleuca apostiba* and *Eremophila* sp. Plumridge Lakes (S.G.M. Carr 534) are largely restricted to this bioregion.

The 70 taxa that were new records for the Great Victoria Desert all represent range extension of several 10s to 100s of kilometres. The largest range extensions recorded were for:

- Aenictophyton anomalum has previously been recorded from the south west of the NT and
 just over the border into WA and SA and from northern NSW and across the border into Qld.
 This taxon was common on red dunes but only collected once in flower. It represents a
 range extension of over 500 km (Appendix 4, photo 49).
- Brachyscome sp. Wanna Munna Flats (S. van Leeuwen 4662) [syn. Roebuckiella similis P.S Short] has previously been recorded in the southern Pilbara and just across the biogeographical boundary into the Gascoyne. It is now known to be a widespread arid zone taxa occurring in WA, south western Qld and north western NSW. As now circumscribed the closest collection is AS George 5502, "14 miles E of Carnegie Homestead" which is ca. 170 km to the north west from the our collections. This taxa is currently listed as Priority 1 (Jones 2014), this listing needs to be reassessed (Appendix 4, photo 13).
- Solanum gilesii the closest contemporary collection shown on FloraBase is east of the Gibson Desert Nature Reserve some 400 km to the northwest. A search of the Australian Virtual Herbarium database showed however that Helms, as part of the Elder expedition, collected this species twice in the Great Victoria Desert in September 1891 (15th and 28th). His collections were made several hundred kilometres to the southeast and south of the PETERSWALD sheet.

Discussion

Remarkably little botanical survey work has been undertaken on the PETERSWALD sheet despite a promising start. The collection of information on the flora and vegetation of this area commenced early with the collections by Cumming on the Elder expedition and detailed maps and journals of Wells (Lindsey 1893) and in particular Hubbe (1897). Hubbe noted at least 20 taxa from the PETERSWALD although none appear to have been collected; 14 can be identified to species level. All were recollected during the current survey except for *Eremophila deserti* [syn. *Myoporum deserti*]. Hubbe was particularly looking for this species as it was known to be toxic to camels. Both Wells and Hubbe map significant areas of mulga (*Acacia aneura* sens. lat.) across the map sheet as did Beard's (1978) more recent 1: 1,000,000 scale mapping.

Vegetation patterning on the ground was found to occur at a much finer scale than proposed by Beard's map. In addition the taxonomy of mulga (*Acacia aneura* sens. lat.) which is one of the dominant species mapped by Beard has recently been revised and is now known to comprise at least 12 taxa and a number of variants and hybrids. Co-occurrence of species in this group is common and we recorded seven of these taxa and a further eight mulga hybrids and variants (Appendix 2).

Almost 20% of the taxa recorded in this survey have not previously been recorded in the Great Victoria Desert (WA Herbarium 1998–). The large proportion of new records is at least partially accounted for by the position of the PETERSWALD sheet close to the boundary of four other bioregions (Figure 1). In addition there is a general lack of access in the Great Victoria Desert away from a few major roads and tracks were collection efforts have been concentrated (Figure 12).

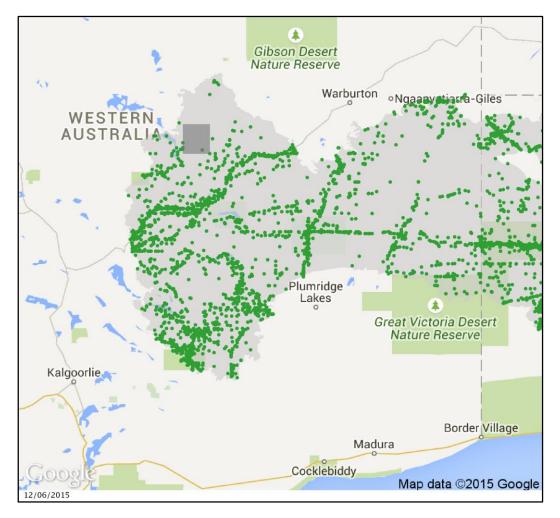


Figure 12. Atlas of Living Australia map of plant collections in Great Victoria Desert (light grey shading) also showing PETERSWALD map sheet (dark grey square) in north west of Great Victoria Desert. Data accessed 12 June 2015. Concentration of collection effort along major roads and tracks is clearly evident.

The spatial bias in collecting effort across the Great Victoria Desert is also evident from both the relocation of *Solanum gilesii* which Helms had collected in 1891 and had only subsequently been collected 500 km to the north, and the identification of several taxa (*Sclerolaena* sp. (NG & EMS 7530), *Sida* sp. (NG & EMS 7618)) apparently not previously collected. Likewise the survey results from the PETERSWALD sheet should be considered preliminary as vehicle access is quite restricted and most collection effort was focused on these tracks.

Two detailed area based surveys have been carried out in the Great Victoria Desert. A survey of Queen Victoria Springs Nature Reserve which straddles the boundary of the Great Victoria Desert and the Murchison bioregion. This reserve also lies just to the north of the Coolgardie bioregion (Figure 1). The other area was surveyed for the Tropicana mine which lies to the north east of Queen Victoria Springs Nature Reserve and wholly within Great Victoria Desert but near the southern boundary (Figure 1). All three areas have rich floras, differences in total number of species reflect in part different sampling efforts (Table 3).

Table 3. Comparison of PETERSWALD survey with those undertaken for the Tropicana development (ecologia 2009) and a flora and vegetation survey of the Queen Victoria Desert Nature Reserve (Pearson 1994). The survey parameters, number of taxa encountered and the 12 most common families and the five most common genera as a percentage of the total flora of the PETERSWALD survey are listed and compared to other surveys where available. Adapted from ecologia (2009), WA Herbarium collection database accessed June 2015.

SURVEY DETAILS	
Area included in survey (km²) 2,754 1,356 2,726 Survey effort 25 x 0.25 ha relevés 103 collection sites -	
Survey effort 25 x 0.25 ha relevés 103 collection sites 204 x 0.04 ha plots 77 x 0.16 ha plots Number of times sampled Field sampling (person days) 1 2 multiple multiple n/a TAXA RECORDED 52 multiple n/a n/a Number of taxa 381 437 552 Collections lodged 454 104 754 Number of taxa / km² 0.14 0.32 0.20 Number of Families¹ 49 57 65 Dominant families (% taxa) Asteraceae 7.1 Asteraceae Fabaceae¹ 12.3 Mimosaceae / Papilionaceae Papilionaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 3.7 n/a Malvaceae 3.7 Malvaceae	
Number of times sampled Field sampling (person days) TAXA RECORDED Number of taxa Collections lodged Number of Families¹ Dominant families (% taxa) Paceae Poaceae Chenopodiaceae Chenopodiaceae Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae² Scrophulariaceae Sc	
Number of times sampled Field sampling (person days) TAXA RECORDED Number of taxa Collections lodged Number of Families¹ Dominant families (% taxa) Paceae Poaceae Chenopodiaceae Chenopodiaceae Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae¹ Scrophulariaceae² Scrophulariaceae Sc	
Number of times sampled 1 2 multiple n/a Field sampling (person days) 32 60 n/a TAXA RECORDED Number of taxa 381 437 552 Collections lodged 454 104 754 Number of taxa / km² 0.14 0.32 0.20 Number of Families¹ 49 57 65 Dominant families (% taxa) Asteraceae 12.3 Mimosaceae / 13.7 Mimosaceae / Papilionaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a Amaranthaceae 3.4 n/a n/a n/a	
TAXA RECORDED Number of taxa 381 437 552	
TAXA RECORDED Number of taxa 381 437 552 Collections lodged 454 104 754 Number of taxa / km² 0.14 0.32 0.20 Number of Families¹ 49 57 65 Dominant families (% taxa) Asteraceae Fabaceae¹ 12.3 Mimosaceae / Papilionaceae Papilionaceae Poaceae 10.2 Poaceae 10.3 Chenopodiaceae Chenopodiaceae 5.5 Myoporaceae 5.9 Myoporaceae 6codeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a Amaranthaceae 3.4 n/a Na 104 104 754 Asteraceae 7.1 Asteraceae 7.1 Asteraceae 7.1 Asteraceae 7.2 Mimosaceae / Papilionaceae Papilionaceae Papilionaceae 5.9 Myoporaceae 5.9 Myoporaceae 5.9 Myoporaceae 5.9 Myoporaceae 5.0 Goodeniaceae 5.1 Myrtaceae 5.2 Molvaceae 5.3 Goodeniaceae 5.3 Goodeniaceae 5.4 Myrtaceae 7.5 Myrtaceae 7.6 Myrtaceae 7.7 Malvaceae 7.7 Malvaceae 7.8 Myrtaceae 7.9 Myrtaceae 7.9 Myrtaceae 7.0 Myrtaceae 7.1 Asteraceae 7.2 Mimosaceae / 7.3 Myrtaceae 7.4 Myrtaceae 7.5 Myrtaceae 7.6 Myrtaceae 7.7 Malvaceae 7.7 Malvaceae 3.7 Malvaceae 3.7 Malvaceae 3.7 Malvaceae 3.8 Malvaceae	
Number of taxa 381 437 552 Collections lodged 454 104 754 Number of taxa / km² 0.14 0.32 0.20 Number of Families¹ 49 57 65 Dominant families (% taxa) Asteraceae 12.6 Asteraceae 7.1 Asteraceae Fabaceae¹ 12.3 Mimosaceae / Papillonaceae Papillonaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a n/a	
Number of taxa 381 437 552 Collections lodged 454 104 754 Number of taxa / km² 0.14 0.32 0.20 Number of Families¹ 49 57 65 Dominant families (% taxa) Asteraceae 12.6 Asteraceae 7.1 Asteraceae Fabaceae¹ 12.3 Mimosaceae / Papillonaceae Papillonaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a n/a	
Collections lodged 454 104 754 Number of taxa / km² 0.14 0.32 0.20 Number of Families¹ 49 57 65 Dominant families (% taxa) Asteraceae 12.6 Asteraceae 7.1 Asteraceae Fabaceae¹ 12.3 Mimosaceae / Papilionaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 Malvaceae 3.7 n/a n/a n/a	
Number of taxa / km² Number of Families¹ Asteraceae Fabaceae¹ Poaceae Poaceae Chenopodiaceae Scrophulariaceae¹ Goodeniaceae Myrtaceae Malvaceae Malvaceae Mumber of taxa / km² Asteraceae 12.6 Asteraceae 7.1 Asteraceae 7.1 Asteraceae 7.1 Asteraceae Papilionaceae Papilionaceae Papilionaceae Papilionaceae Poaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae Myrtaceae 3.7 Myrtaceae 3.7 Malvaceae 3.7 Malvaceae 3.7 Malvaceae 3.7 n/a n/a	
Number of Families¹ 49 57 65 Dominant families (% taxa) Asteraceae 12.6 Asteraceae 7.1 Asteraceae Fabaceae¹ 12.3 Mimosaceae / Papilionaceae Papilionaceae Papilionaceae Papilionaceae Chenopodiaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a n/a	
Fabaceae¹ 12.3 Mimosaceae / Papilionaceae / Papilionaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a n/a	
Fabaceae¹ 12.3 Mimosaceae / Papilionaceae / Papilionaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae 5.9 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a n/a	
Papilionaceae Poaceae 10.2 Poaceae 10.8 Poaceae Chenopodiaceae 10.2 Chenopodiaceae 10.3 Chenopodiaceae Scrophulariaceae¹ 5.5 Myoporaceae Goodeniaceae 5.0 Goodeniaceae 5.3 Goodeniaceae Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a Amaranthaceae 3.4 n/a Na Papilionaceae Papilionaceae Papilionaceae Amaranthaceae 10.8 Poaceae 10.8 Poaceae Amyrtaceae 10.3 Chenopodiaceae 5.9 Myoporaceae 5.9 Myoporaceae 5.0 Goodeniaceae 5.3 Goodeniaceae 7.6 Myrtaceae 10.8 Poaceae	11.8
Poaceae10.2Poaceae10.8PoaceaeChenopodiaceae10.2Chenopodiaceae10.3ChenopodiaceaeScrophulariaceae¹5.5Myoporaceae5.9MyoporaceaeGoodeniaceae5.0Goodeniaceae5.3GoodeniaceaeMyrtaceae3.7Myrtaceae7.6MyrtaceaeMalvaceae3.7Malvaceae3.7n/aAmaranthaceae3.4n/an/a	10.8
Chenopodiaceae10.2Chenopodiaceae10.3ChenopodiaceaeScrophulariaceae¹5.5Myoporaceae5.9MyoporaceaeGoodeniaceae5.0Goodeniaceae5.3GoodeniaceaeMyrtaceae3.7Myrtaceae7.6MyrtaceaeMalvaceae3.7Malvaceae3.7n/aAmaranthaceae3.4n/an/a	
Scrophulariaceae¹5.5Myoporaceae5.9MyoporaceaeGoodeniaceae5.0Goodeniaceae5.3GoodeniaceaeMyrtaceae3.7Myrtaceae7.6MyrtaceaeMalvaceae3.7Malvaceae3.7n/aAmaranthaceae3.4n/an/a	5.8
Goodeniaceae5.0Goodeniaceae5.3GoodeniaceaeMyrtaceae3.7Myrtaceae7.6MyrtaceaeMalvaceae3.7Malvaceae3.7n/aAmaranthaceae3.4n/an/a	6.7
Myrtaceae 3.7 Myrtaceae 7.6 Myrtaceae Malvaceae 3.7 Malvaceae 3.7 n/a Amaranthaceae 3.4 n/a n/a	3.6
Malvaceae 3.7 Malvaceae 3.7 n/a Amaranthaceae 3.4 n/a n/a n/a	6.7
Amaranthaceae 3.4 n/a n/a	10.7
Portulações 2.4 m/s	
Portulacaceae 2.4 n/a n/a	
Solanaceae 2.4 n/a n/a	
Proteaceae 1.8 Proteaceae 3.4 Proteaceae	3.6
Dominant genera Acacia 7.9 Acacia 9.2 Acacia	6.5
Eremophila 5.5 Eremophila 5.7 Eucalyptus	6.3
Maireana 3.4 Eucalyptus 4.3 Eremophila	3.6
Sclerolaena 2.9 n/a n/a	3.0
Eucalyptus 2.4 n/a n/a	
Ptilotus 2.4 n/a n/a	

¹⁾ Different family concepts apply in 2015 compared with earlier surveys.

The current survey had the least survey effort and this is reflected by the lowest number of taxa recorded, lowest number of families recorded (noting that some family circumscriptions have changed recently) and lowest density of taxa / km² (Table 3). Nonetheless the high numbers of

records and collections from PETERSWALD was a surprise given the short field campaign and only average rainfall leading up to the sampling period. A significant proportion of the richness encountered was from the small saline and semi saline wetland systems.

A strong climatic gradient is apparent in the patterns of dominance of the families and genera, with the more northern (arid) location of the PETERSWALD sheet showing strong representation of Asteraceae, Chenopodiaceae (particularly *Maireana* and *Sclerolaena*) and a decrease in importance in Myrtaceae particularly *Eucalyptus*. The contrasts are most extreme with Queen Victoria Springs Nature Reserve which occurs furthest south.

While the number of introduced taxa found during the current survey was low it was clear that the feral camel population was having a significant impact on the vegetation. Grazing damage on more palatable shrubs was commonly observed as was damage caused by camel camps both on top of dunes and in the mulga woodlands. Groups of camels were often encountered and fresh sign of camel movement along track was encountered on a daily basis. This level of activity has not been observed in other recent surveys in the arid zone.

Acknowledgements

We acknowledge the Commonwealth of Australia through the Department of the Environment for supporting the **Eastern WA Black Spot Data** survey program. Also the efforts of Mark Cowan (Science Division) and Tjokkie Pieterse (Goldfields Region) who organised the logistics for the field work are gratefully acknowledged.

References

- Beard, J.S. (1974) Vegetation Survey of Western Australia. Great Victoria Desert. 1:1,000,000 Vegetation Series. Explanatory Notes to Sheet 3. University of Western Australia Press, Nedlands.
- Carnargie, D.W. (1898) Spinifex and Sand. Hesperian Press, Victoria Park.
- Donaldson, M. & Elliot, I. (1998) Do Not Yield to Despair. Frank Hann's Exploration Diaries in the Arid Interior of Australia 1895–1908. Hesperian Press, Victoria Park.
- ecologia (2007) Tropicana Gold Project. Flora and vegetation assessment of the proposed operational area and its surrounds.
- Hubbe, S.G. (1897) Stock Route Expedition from South to West Australia. South Australian Parliamentary Papers No. 51.
- Jackson, M.J. (1978) 1: 250,000 Geological Series–Explanatory Notes. ROBERT Western Australia. Australian Government Printing Service, Canberra.
- Jones, A. (2014) *Declared Rare and Priority Flora List for Western Australia, December 2014.* Western Australian Department of Environment and Conservation, Como.
- Lindsay, D. (1892) Journal of the Elder Scientific Exploring Expedition 1891–92. Corkwood Press, North Adelaide.
- Pearson, D.J. (1994) The flora and vegetation of the Queen Victoria Springs Nature Reserve, Western Australia. MSc thesis, Department of Botany, University of Western Australia.
- Western Australian Herbarium (1998–) Florabase–the Western Australian Flora. Department of Parks and Wildlife. https://florabase.dpaw.wa.gov.au/

Appendix 1. List of vascular flora recorded in Hubbe's journal between 10 –12 May 1896 while his party crossed the PETERSWALD sheet from northeast to southwest.

Taxa recorded	Family	Probable identity
purple everlastings	Asteraceae	Brachyscome spp.
yellow everlastings	Asteraceae	Watzia acuminata or Schoenia ayersii
saltbush	Chenopodiaceae	Atriplex spp.
pine	Cupressaceae	Callitris verrucosa
mulga	Fabaceae	Acacia aneura sens. lat.
black wattle	Fabaceae	Acacia pruinocarpa
dwarf wattle	Fabaceae	Acacia sp.
acacia other varieties	Fabaceae	Acacia spp.
native current bush	Goodeniaceae	Scaevola spinescens
poplar	Gyrostemonaceae	Codonocarpus cotinifolius
dwarf tea tree	Myrtaceae	Aluta maisonneuvei subsp. auriculata
desert gum	Myrtaceae	Eucalyptus gongylocarpa
mallee	Myrtaceae	Eucalyptus spp.
bunchgrass	Poaceae	Eragrostis eriopoda
wiregrass	Poaceae	Eriachne helmsii
spinifex	Poaceae	Triodia basedowii
little parakylia [sic]	Portulacaceae	Calandrinia creethiae
corkwood	Proteaceae	Hakea lorea
quondong	Santalaceae	Santalum spicatum
Myoporum deserti [sic]	Scrophulariaceae	Eremophila deserti

Appendix 2. List of vascular flora (including hybrids and variants) occurring within and immediately adjacent to the PETERSWALD 1: 100,000 map sheet. New records for Great Victoria Desert and current conservation codes based on FloraBase (WA Herbarium 1998–) accessed May 2015.

Number of taxa: 381

Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Amaranthaceae	Alternanthera		angustifolia				У
Amaranthaceae	Alternanthera		denticulata				
Amaranthaceae	Amaranthus		cuspidifolius				У
Amaranthaceae	Ptilotus		aervoides				
Amaranthaceae	Ptilotus		astrolasius				У
Amaranthaceae	Ptilotus		chamaecladus				
Amaranthaceae	Ptilotus		gaudichaudii	subsp.	gaudichaudii		
Amaranthaceae	Ptilotus		helipteroides				
Amaranthaceae	Ptilotus		nobilis				
Amaranthaceae	Ptilotus		obovatus				
Amaranthaceae	Ptilotus		polystachyus				
Amaranthaceae	Ptilotus		schwartzii				
Amaranthaceae	Surreya		diandra				
Apiaceae	Daucus		glochidiatus				
Apocynaceae	Marsdenia		australis				
Apocynaceae	Rhyncharrhena		linearis				
Apocynaceae	Sarcostemma		viminale				
Araliaceae	Trachymene		glaucifolia				
Asparagaceae	Lomandra		leucocephala	subsp.	robusta		
Asparagaceae	Thysanotus	?	exiliflorus				
Asparagaceae	Thysanotus	aff.	patersonii				
Asteraceae	Angianthus		cyathifer				У
Asteraceae	Brachyscome		ciliaris				
Asteraceae	Brachyscome		iberidifolia				
Asteraceae	Brachyscome		sp. Wanna Munna Flats (S. van Leeuwen 4662) = Roebuckiella similis P.S Short			1	У
Asteraceae	Calotis		erinacea				
Asteraceae	Calotis		hispidula				
Asteraceae	Calotis		multicaulis				
Asteraceae	Calotis		plumulifera				
Asteraceae	Centipeda		pleiocephala				
Asteraceae	Centipeda		thespidioides				У

Asteraceae	Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Asteracaea Gnephosis tenuissima Asteracaea Gnephosis tenuissima Asteracaea Helichysum luteoalbum Asteracaeae Leocarpa semicalva Asteraceae Leocarpa semicalva Asteraceae Leochrysum stipitatum Asteraceae Olearia stipitatum Asteraceae Olearia calcarea Asteraceae Olearia stuartii Asteraceae Olearia stuartii Asteraceae Plucha durloppil Asteraceae Plucha durloppil Asteraceae Podolepis canaccens - asteraceae Podolepis capillaris Asteraceae Podolepis capillaris Asteraceae Podolepis capillaris Asteraceae Podolepis spharamtholdes y Asteraceae Pognocabi stuartica y Asteraceae Rhodanthe chiorcephala subsp. splendida y Asteraceae<	Asteraceae	Chrysocephalum		eremaeum				
Asteraceae Helichrysum luteoalbum Asteraceae Helichrysum luteoalbum Asteraceae Lawrencella daverportii Asteraceae Leiocarpa semicalva Asteraceae Leiocarpa smicialva Asteraceae Leiocarpsum stipitatum Asteraceae Olearia cadacrae Asteraceae Olearia stuartii Asteraceae Olearia stuartii Asteraceae Pluchea dulopii y Asteraceae Pluchea dulopii y Asteraceae Podolepis canescersa Podolepis canescersa Asteraceae Podolepis capilaris sp. Fotolepis arristata subsp. affinis (Sond.)Jeanes sp. Fotol	Asteraceae	Erymophyllum		ramosum				
Asteraceae Helichrysum Iuteoalbum Asteraceae Lawrencella davenportii Asteraceae Leiocapa semica/va Asteraceae Leiochrysum stipitatum Asteraceae Myriocephalus rudallii y Asteraceae Olearia calcarea y Asteraceae Olearia stuartii	Asteraceae	Gnephosis		arachnoidea				У
Asteraceae Lawencella davenportii Asteraceae Leiocarpa semicalva Asteraceae Leiocarpa stiplatum Asteraceae Wyriocephalus rudallii y Asteraceae Oloaria calcarea y Asteraceae Olearia stustrii	Asteraceae	Gnephosis		tenuissima				
Asteraceae Lelocarpa semicalva Asteraceae Leucochrysum stipitatum Asteraceae Myriocephalus rudallii y Asteraceae Olearia calcarea y Asteraceae Olearia sturtii	Asteraceae	Helichrysum		luteoalbum				
Asteraceae	Asteraceae	Lawrencella		davenportii				
Asteraceae Myriocephalus rudallii y Asteraceae Olearia ceremaea Asteraceae Olearia stuartii Asteraceae Olearia subspicata Asteraceae Pluchea dunlopii y Asteraceae Pluchea rubelliflora y Asteraceae Pluchea rubelliflora y Asteraceae Podolepis canescens - pedolepis oristata subsp. affinis (Sond.) jeanes - Pedolepis - Pedolepis oristata subsp. affinis (Sond.) jeanes - Pedolepis oristata subsp. affinis (Sond.) je	Asteraceae	Leiocarpa		semicalva				
Asteraceae Olearia calcarea y Asteraceae Olearia stuartii Asteraceae Olearia subspicata y Asteraceae Pluchea dunlopi y Asteraceae Pluchea rubelliflora y Asteraceae Podolepis canescens = Podolepis aristata subsp. affinis (Sond.) Jeanes = Podolepi	Asteraceae	Leucochrysum		stipitatum				
Asteraceae Olearia stuartii Asteraceae Olearia stuartii Asteraceae Olearia stuartii Asteraceae Olearia subspicata Asteraceae Pluchea dunlopii y Asteraceae Pluchea rubelliflora y Asteraceae Pluchea canescens	Asteraceae	Myriocephalus		rudallii				У
Asteraceae Olearia subspicata Asteraceae Olearia subspicata Asteraceae Pluchea dunlopii y Asteraceae Pluchea rubelliflora y Asteraceae Podolepis canescens	Asteraceae	Olearia		calcarea				У
Asteraceae Pluchea dunlopii	Asteraceae	Olearia		eremaea				
Asteraceae Pluchea rubelliflora rubelliflora y podolepis canescens	Asteraceae	Olearia		stuartii				
Asteraceae Pluchea rubelliflora canescens	Asteraceae	Olearia		subspicata				
Asteraceae Podolepis canescens	Asteraceae	Pluchea		dunlopii				у
Asteraceae Podolepis capillaris Asteraceae Podolepis capillaris Asteraceae Podolepis sp. Great Victoria Desert (A.S. George 8219) = Podolepis eremaea Jeanes Asteraceae Pogonolepis stricta Asteraceae Pterocaulon sphaeranthoides Asteraceae Rhodanthe charsleyae Asteraceae Rhodanthe citrina Asteraceae Rhodanthe citrina Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe humboldtiana Asteraceae Rhodanthe humboldtiana Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Robolanthe stricta Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio gregorii Asteraceae Senecio gregorii Asteraceae Senecio streptoglossa liatroides	Asteraceae	Pluchea		rubelliflora				у
Asteraceae Podolepis sp. Great Victoria Desert (A.S. George 8219) = Podolepis eremaea Jeanes Asteraceae Pogonolepis stricta Asteraceae Pterocaulon sphaeranthoides y Asteraceae Rhodanthe charsleyae Asteraceae Rhodanthe chorocephala subsp. splendida y Asteraceae Rhodanthe citrina Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Robanthe stricta Asteraceae Robanthe gropinqua Asteraceae Rhodanthe gropinqua Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Robania ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Podolepis			es			
Asteraceae Pogonolepis stricta Asteraceae Pterocaulon sphaeranthoides y Asteraceae Rhodanthe charsleyae Asteraceae Rhodanthe chlorocephala subsp. splendida y Asteraceae Rhodanthe citrina Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Robenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Podolepis						
Asteraceae Pogonolepis stricta Asteraceae Pterocaulon sphaeranthoides y Asteraceae Rhodanthe charsleyae Asteraceae Rhodanthe chlorocephala subsp. splendida y Asteraceae Rhodanthe citrina Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe humboldtiana y Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Robenia ayersii Asteraceae Schoenia cassiniana Asteraceae Schoenia senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Senecio lacustrinus Asteraceae Streptoglossa liatroides	Asteraceae	Podolepis		· · · · · · · · · · · · · · · · · · ·				
Asteraceae Rhodanthe charsleyae Asteraceae Rhodanthe chlorocephala subsp. splendida y Asteraceae Rhodanthe citrina Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe humboldtiana y Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Robenia ayersii Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Senecio lacustrinus Asteraceae Schoenis oleraceus Asteraceae Schoenis specio lacustrinus	Asteraceae	Pogonolepis		•				
Asteraceae Rhodanthe citrina subsp. splendida y Asteraceae Rhodanthe citrina Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe humboldtiana y Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rhodanthe stricta Asteraceae Rutidosis helichrysoides Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio gregorii Asteraceae Sonchus oleraceus Asteraceae Sonchus oleraceus Asteraceae Sonchus oleraceus	Asteraceae	Pterocaulon		sphaeranthoides				у
Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe humboldtiana y Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rutidosis helichrysoides Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Sonchus liatroides	Asteraceae	Rhodanthe		charsleyae				
Asteraceae Rhodanthe floribunda Asteraceae Rhodanthe humboldtiana y Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Rhodanthe		chlorocephala	subsp.	splendida		у
Asteraceae Rhodanthe humboldtiana y Asteraceae Rhodanthe maryonii Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Sonchus liatroides	Asteraceae	Rhodanthe		citrina				
Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio sonchus Asteraceae Sonchus Asteraceae Sonchus Asteraceae Sonchus Asteraceae Sonchus Asteraceae Streptoglossa liatroides	Asteraceae	Rhodanthe		floribunda				
Asteraceae Rhodanthe propinqua Asteraceae Rhodanthe stricta Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Rhodanthe		humboldtiana				у
Asteraceae Rhodanthe stricta Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Rhodanthe		maryonii				
Asteraceae Rutidosis helichrysoides Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Rhodanthe		propinqua				
Asteraceae Schoenia ayersii Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Rhodanthe		stricta				
Asteraceae Schoenia cassiniana Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Rutidosis		helichrysoides				
Asteraceae Senecio gregorii Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Schoenia		ayersii				
Asteraceae Senecio lacustrinus Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Schoenia		cassiniana				
Asteraceae Sonchus oleraceus Asteraceae Streptoglossa liatroides	Asteraceae	Senecio		gregorii				
Asteraceae Streptoglossa liatroides	Asteraceae	Senecio		lacustrinus				
	Asteraceae	Sonchus		oleraceus				
	Asteraceae	Streptoglossa		liatroides				
	Asteraceae	Vittadinia		sulcata				

Asteraceae Malgnaina erecta Boraginaceae Halgania giabra y Boraginaceae Heliotropium curassavicum y Boraginaceae Heliotropium curassavicum var. Boraginaceae Heliotropium curassavicum var. zeylanicum Brassicaceae Lepidium oxytrichum var. zeylanicum Brassicaceae Lepidium phlebopetalum birassicaceae Stenopetalum anfractum Brassicaceae Stenopetalum nuans var. lineare y Brassicaceae Stenopetalum nuans var. lineare y Brassicaceae Stenopetalum nuans var. lineare y Brassicaceae Stenopetalum pedicalre var. lineare y Garassicaceae Stenopetalum pedicalre var. lineare Garassicaceae Stenopetalum pedicalre var. Gampanulaceae Lobelia tumildiructa <	Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Boraginaceae Halgania glabra y Boraginaceae Heliotropium curninghamil y Boraginaceae Heliotropium cursaswicum y Boraginaceae Heliotropium cursaswicum var. zeylanicum Brassicaceae Lepidium oxytrichum y Brassicaceae Stenopetalum anfractum war. lineare Brassicaceae Stenopetalum nutans lineare y Brassicaceae Stenopetalum nutans lineare y Brassicaceae Stenopetalum nutans lineare y Brassicaceae Stenopetalum petraea y y Gampanulaceae Isothoma petraea campanulaceae Isothoma petraea Campanulaceae Lobelia tumidifructa subsp. centralis Casuarina ceae Casuarina obesa centralis y Celastraceae Stackhousia reemigera centralis y <	Asteraceae	Waitzia		acuminata				
Boraginaceae Heliotropium cunsinghamii cunninghamii eliotropium cunsasvicum eliotropium cunsasvicum eliotropium cunsasvicum var. eliotropium eliotropium oxytrichum oxytrichum eliotropium eliotropium eliotropium oxytrichum eliotropiam eliotropium	Boraginaceae	Halgania		erecta				
Boraginaceae Heliotropium curassavicum var. zeylanicum Boraginaceae Trichodesma zeylanicum var. zeylanicum Brassicaceae Lepidium oxytrichum Heraginam Var. Ineae Ineae Var. Ineae Var. Ineae Var. Ineae Var. Ineae Var. Ineae Var. Var. </td <td>Boraginaceae</td> <td>_</td> <td></td> <td>glabra</td> <td></td> <td></td> <td></td> <td>У</td>	Boraginaceae	_		glabra				У
Brasicaceae Lepidium oytrichum phiebopetalum anfractum phiebopetalum anfractum strassicaceae Stenopetalum anfractum strassicaceae Stenopetalum nutans var. sinearea Stenopetalum nutans y strassicaceae Stenopetalum pedicellare campanulaceae Stenopetalum nutans y strassicaceae Stenopetalum nutans y strassicaceae Stenopetalum pedicellare y strassicaceae Stenopetalum pedicellare campanulaceae Isotoma petraea campanulaceae Lobelia heterophylla subsp. centralis campanulaceae Wahlenbergia tumidifructa subsp. casuarinaceae Casuarina obesa casuarinaceae Casuarina pauper celastraceae Macgregoria racemigera Celastraceae Stachousia megaloptera codonocarpa Striplex vesicaria Chenopodiaceae Atriplex vesicaria paradoxus paradoxus paradoxus phania melanocarpa melanocarpa inflata y subsp. inflata y subsp. chenopodiaceae Dysphania indinostachya subsp. inflata y subsp. inflata y chenopodiaceae Dysphania indinostachya subsp. inflata y chenopodiaceae Chenopodiaceae Maireana teriosphaera chenopodiaceae Maireana georgei Chenopodiaceae Maireana georgei Maireana georgei Chenopodiaceae Maireana georgei Ghenopodiaceae Maireana georgei Maireana melanocarpa melanocarea Shariena indinostachya subsp. inflata subsp. inf	Boraginaceae	Heliotropium		cunninghamii				У
Brassicaceae Lepidium oxytrichum Brassicaceae Lepidium phlebopetalum Brassicaceae Stenopetalum anfractum Brassicaceae Stenopetalum lineare var. lineare Brassicaceae Stenopetalum pedicare var. lineare Brassicaceae Stenopetalum pedicare var. lineare Campanulaceae Isotoma petraea Campanulaceae Lobelia heterophylla subsp. centralis Campanulaceae Casuarina obesa Casuarinaceae Casuarina obesa Casuarinaceae Casuarina obesa Casuarinaceae Casuarina obesa Casuarinaceae Casuarina pauper Celastraceae Margegoria racemigera Celastraceae Stackhousia megaloptera Centrolepidaceae Ariplex codonocarpa Chenopodiaceae Atriplex vesicaria Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma melanocarpa y Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. inflata Chenopodiaceae Maireana georgei	Boraginaceae	Heliotropium		curassavicum				
Brassicaceae Stenopetalum anfractum Brassicaceae Stenopetalum inienare var. lineare Brassicaceae Stenopetalum nutans var. lineare Brassicaceae Stenopetalum pedicellare Campanulaceae Isotoma petraea Campanulaceae Lobelia heterophylia subsp. centralis Campanulaceae Lobelia heterophylia subsp. causarina Casuarinaceae Casuarina obesa Casuarinaceae Casuarina pauper Celastraceae Casuarina pauper Celastraceae Casuarina pauper Celastraceae Cathologis eremica Centrolepidaceae Centrolepis eremica Chenopodiaceae Atriplex codonocarpa Chenopodiaceae Atriplex vesicaria Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma melanocarpa Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania chiaminasiachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Maireana carnosa Chenopodiaceae Maireana georgei Chenopodiaceae Maireana georgei Chenopodiaceae Maireana georgei Chenopodiaceae Maireana glomerifolia	Boraginaceae	Trichodesma		zeylanicum	var.	zeylanicum		
Brassicaceae Stenopetalum anfractum Brassicaceae Stenopetalum lineare var. lineare Brassicaceae Stenopetalum nutans y Brassicaceae Stenopetalum pedicellare y Brassicaceae Stenopetalum pedicellare y Brassicaceae Stenopetalum pedicellare y Brassicaceae Isotoma petraea Campanulaceae Isotoma petraea Campanulaceae Uobelia heterophylla subsp. centralis Campanulaceae Casuarina obesa Casuarinaceae Casuarina obesa Casuarinaceae Casuarina paper Celastraceae Magregoria racemigera Celastraceae Stackhousia megaloptera Centrolepidaceae Atriplex codonocarpa Chenopodiaceae Atriplex vesicaria Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. inflata Chenopodiaceae Dysphania comentosa Chenopodiaceae Dysphania comentosa Chenopodiaceae Maireana carnosa Chenopodiaceae Maireana georgei Chenopodiaceae Maireana georgei Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana Maireana glomerifolia	Brassicaceae	Lepidium		oxytrichum				
Brassicaceae Stenopetalum Inieare yar. lineare Brassicaceae Stenopetalum nutans y Brassicaceae Stenopetalum pedicellare y Campanulaceae Isotoma petraea y Campanulaceae Lobelia heterophylla subsp. centralis Campanulaceae Wahlenbergia tumidifructa centralis Casuarinaceae Casuarina pauper centralis Celastraceae Casuarina pauper centralis Celastraceae Magregoria racemigera Celastraceae Stackhousia megaloptera remica Centrolepidaceae Centrolepis eremica remica Chenopodiaceae Atriplex codonocarpa remica Chenopodiaceae Atriplex vesicaria Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma Chenopodiaceae Dysphania radinostachya subsp. rhad	Brassicaceae	Lepidium		phlebopetalum				
Brassicaceae Stenopetalum nutans y Brassicaceae Stenopetalum pedicellare y Campanulaceae Isotoma petraea y Campanulaceae Lobelia heterophylla subsp. centralis Casuarinaceae Wahlenbergia tumidifructa tentralis Casuarinaceae Casuarina obesa tentralis Casuarinaceae Casuarina pauper tentralis Celastraceae Magregoria racemigera tentrolepidacea tentrolepidacea tentrolepidacea Centrolepidaceae Centrolepidaceae tentrolepidaceae tentrolepidaceaeae tentrolepidaceaeaeaeaeaeaeaeaeaeaeaeaeaeaeaeaeaeae	Brassicaceae	Stenopetalum		anfractum				
Brassicaceae Stenopetalum pedricellare Campanulaceae Isotoma petraea Campanulaceae Lobelia heterophylla subsp. centralis Campanulaceae Wahlenbergia tumidifructa	Brassicaceae	Stenopetalum		lineare	var.	lineare		
Campanulaceae Isotoma petraea Campanulaceae Lobelia heterophylla subsp. centralis Campanulaceae Wahlenbergia tumidifructa Casuarinaceae Casuarina obesa Casuarinaceae Casuarina pauper Celastraceae Macgregoria racemigera Celastraceae Stackhousia megaloptera Centrolepidaceae Centrolepis eremica Chenopodiaceae Atriplex codonocarpa Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania rhadinostachya subsp. infiata y Chenopodiaceae Dysphania rhadinostachya subsp. infiata y Chenopodiaceae Dysphania rhadinostachya subsp. rhadinostachya Chenopodiaceae Enchyleena carnosa Chenopodiaceae Maireana georgei Chenopodiaceae Maireana georgei Chenopodiaceae Maireana luehmannii	Brassicaceae	Stenopetalum		nutans				У
CampanulaceaeLobeliaheterophyllasubsp.centralisCampanulaceaeWahlenbergiatumidifructaCasuarinaceaeCasuarinaobesaCasuarinaceaeCasuarinapauperCelastraceaeMacgregoriaracemigeraCelastraceaeStackhousiamegalopteraCentrolepidaceaeCentrolepiseremicaChenopodiaceaeAtriplexcodonocarpaChenopodiaceaeAtriplexcodonocarpaChenopodiaceaeDissocarpusparadoxusChenopodiaceaeDysphaniamelanocarpaformamelanocarpayChenopodiaceaeDysphaniarhadinostachyasubsp.inflatayChenopodiaceaeDysphaniarhadinostachyasubsp.rhadinostachyayChenopodiaceaeDysphaniasimulanssubsp.rhadinostachyayChenopodiaceaeEnchlaenatomentosasubsp.rhadinostachyayChenopodiaceaeMaireanacarnosasubsp.rhadinostachyasubsp.rhadinostachyaChenopodiaceaeMaireanacarnosasubsp.rhadinostachyasubsp.rhadinostachyaChenopodiaceaeMaireanacarnosasubsp.rhadinostachyasubsp.rhadinostachyaChenopodiaceaeMaireanacarnosasubsp.rhadinostachyasubsp.rhadinostachyaChenopodiaceaeMaireanacarnosasubsp.rhadinostachyasubsp.rhadinostachya <td>Brassicaceae</td> <td>Stenopetalum</td> <td></td> <td>pedicellare</td> <td></td> <td></td> <td></td> <td>У</td>	Brassicaceae	Stenopetalum		pedicellare				У
Campanulaceae Wahlenbergia tumidifructa Casuarinaceae Casuarina obesa Casuarinaceae Casuarina pauper Celastraceae Macgregoria racemigera Celastraceae Stackhousia megaloptera Centrolepidaceae Centrolepis eremica Chenopodiaceae Atriplex codonocarpa Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa form melanocarpa y Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania thinaceachya subsp. inflata Chenopodiaceae Dysphania chadinostachya subsp. rhadinostachya Chenopodiaceae Dysphania thinaceachya subsp. rhadinostachya Chenopodiaceae Dysphania carnosa Chenopodiaceae Maireana georgei Chenopodiaceae Maireana georgei Chenopodiaceae Maireana luehmannii melanocoma luenii melanocoma y Chenopodiaceae Maireana luehmannii melanocoma y Chenopodiaceae Maireana luehmannii melanocoma y Chenopodiaceae Maireana luehmannii melanocoma luenii melanocoma y Chenopodiaceae Maireana luehmannii melanocoma y Che	Campanulaceae	Isotoma		petraea				
Casuarinaceae Casuarina obesa Casuarinaceae Casuarina pauper Celastraceae Macgregoria racemigera Celastraceae Stackhousia megaloptera Centrolepidaceae Centrolepis eremica Chenopodiaceae Atriplex codonocarpa Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma melanocarpa Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania carnosa Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania simulans Chenopodiaceae Maireana carnosa Chenopodiaceae Maireana georgei Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana luehmannii Chenopodiaceae Maireana luehmannii Maireana melanocoma Maireana melanocoma Maireana melanocoma Maireana luehmannii	Campanulaceae	Lobelia		heterophylla	subsp.	centralis		
Casuarinaceae Casuarina pauper Celastraceae Macgregoria racemigera Celastraceae Stackhousia megaloptera Centrolepidaceae Centrolepis eremica Chenopodiaceae Atriplex codonocarpa Chenopodiaceae Atriplex vesicaria Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma melanocarpa Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania eriosphaera Chenopodiaceae Maireana carnosa Chenopodiaceae Maireana georgei Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana luehmannii Chenopodiaceae Maireana luehmannii melanocoma Maireana luehmannii melanocoma	Campanulaceae	Wahlenbergia		tumidifructa				
Celastraceae Macgregoria racemigera Celastraceae Stackhousia megaloptera Centrolepidaceae Centrolepis eremica Chenopodiaceae Atriplex codonocarpa Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma melanocarpa Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. rhadinostachya Chenopodiaceae Maireana carnosa Chenopodiaceae Maireana eriosphaera Chenopodiaceae Maireana georgei Chenopodiaceae Maireana georgei Chenopodiaceae Maireana luehmannii Chenopodiaceae Maireana luehmannii Mireana melanocoma y	Casuarinaceae	Casuarina		obesa				
CelastraceaeStackhousiamegalopteraCentrolepidaceaeCentrolepiseremicaChenopodiaceaeAtriplexcodonocarpaChenopodiaceaeAtriplexvesicariaChenopodiaceaeDissocarpusparadoxusChenopodiaceaeDysphaniamelanocarpaformamelanocarpayChenopodiaceaeDysphaniarhadinostachyasubsp.inflatayChenopodiaceaeDysphaniarhadinostachyasubsp.rhadinostachyaChenopodiaceaeDysphaniarindinostachyasubsp.rhadinostachyaChenopodiaceaeEnchylaenatomentosaChenopodiaceaeEnchylaenatomentosaChenopodiaceaeMaireanacarnosaChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Casuarinaceae	Casuarina		pauper				
Centrolepidaceae Centrolepis eremica Chenopodiaceae Atriplex codonocarpa Chenopodiaceae Atriplex vesicaria Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma melanocarpa y Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. rhadinostachya Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania carnosa Chenopodiaceae Enchylaena tomentosa Chenopodiaceae Maireana eriosphaera Chenopodiaceae Maireana georgei Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana melanocoma Chenopodiaceae Maireana melanocoma Maireana luehmannii	Celastraceae	Macgregoria		racemigera				
Chenopodiaceae Atriplex vesicaria Chenopodiaceae Dissocarpus paradoxus Chenopodiaceae Dysphania melanocarpa forma melanocarpa y Chenopodiaceae Dysphania rhadinostachya subsp. inflata y Chenopodiaceae Dysphania rhadinostachya subsp. rhadinostachya Chenopodiaceae Dysphania simulans Chenopodiaceae Dysphania simulans Chenopodiaceae Enchylaena tomentosa Chenopodiaceae Maireana carnosa Chenopodiaceae Maireana georgei Chenopodiaceae Maireana glomerifolia Chenopodiaceae Maireana luehmannii Chenopodiaceae Maireana melanocoma Maireana melanocoma y Chenopodiaceae Maireana melanocoma	Celastraceae	Stackhousia		megaloptera				
ChenopodiaceaeAtriplexvesicariaChenopodiaceaeDissocarpusparadoxusChenopodiaceaeDysphaniamelanocarpaformamelanocarpayChenopodiaceaeDysphaniarhadinostachyasubsp.inflatayChenopodiaceaeDysphaniarhadinostachyasubsp.rhadinostachyaChenopodiaceaeDysphaniasimulansrChenopodiaceaeEnchylaenatomentosarChenopodiaceaeMaireanacarnosarChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Centrolepidaceae	Centrolepis		eremica				
ChenopodiaceaeDissocarpusparadoxusChenopodiaceaeDysphaniamelanocarpaformamelanocarpayChenopodiaceaeDysphaniarhadinostachyasubsp.inflatayChenopodiaceaeDysphaniarhadinostachyasubsp.rhadinostachyaChenopodiaceaeDysphaniasimulansChenopodiaceaeEnchylaenatomentosaChenopodiaceaeMaireanacarnosaChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Atriplex		codonocarpa				
ChenopodiaceaeDysphaniamelanocarpaformamelanocarpayChenopodiaceaeDysphaniarhadinostachyasubsp.inflatayChenopodiaceaeDysphaniarhadinostachyasubsp.rhadinostachyaChenopodiaceaeDysphaniasimulansrhadinostachyaChenopodiaceaeEnchylaenatomentosareriosphaeraChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Atriplex		vesicaria				
ChenopodiaceaeDysphaniarhadinostachyasubsp.inflatayChenopodiaceaeDysphaniarhadinostachyasubsp.rhadinostachyaChenopodiaceaeDysphaniasimulansrhadinostachyaChenopodiaceaeEnchylaenatomentosarhadinostachyaChenopodiaceaeMaireanacarnosarhadinostachyaChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Dissocarpus		paradoxus				
ChenopodiaceaeDysphaniarhadinostachyasubsp.rhadinostachyaChenopodiaceaeDysphaniasimulansChenopodiaceaeEnchylaenatomentosaChenopodiaceaeMaireanacarnosaChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Dysphania		melanocarpa	forma	melanocarpa		у
ChenopodiaceaeDysphaniasimulansChenopodiaceaeEnchylaenatomentosaChenopodiaceaeMaireanacarnosaChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Dysphania		rhadinostachya	subsp.	inflata		У
ChenopodiaceaeEnchylaenatomentosaChenopodiaceaeMaireanacarnosaChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Dysphania		rhadinostachya	subsp.	rhadinostachya		
ChenopodiaceaeMaireanacarnosaChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Dysphania		simulans				
ChenopodiaceaeMaireanaeriosphaeraChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Enchylaena		tomentosa				
ChenopodiaceaeMaireanageorgeiChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Maireana		carnosa				
ChenopodiaceaeMaireanaglomerifoliaChenopodiaceaeMaireanaluehmanniiChenopodiaceaeMaireanamelanocoma	Chenopodiaceae	Maireana		eriosphaera				
Chenopodiaceae Maireana luehmannii Chenopodiaceae Maireana melanocoma y	Chenopodiaceae	Maireana		georgei				
Chenopodiaceae Maireana melanocoma y	Chenopodiaceae	Maireana		glomerifolia				
	Chenopodiaceae	Maireana		luehmannii				
Chenopodiaceae Maireana pentatropis	Chenopodiaceae	Maireana		melanocoma				у
	Chenopodiaceae	Maireana		pentatropis				
Chenopodiaceae Maireana planifolia	Chenopodiaceae	Maireana		planifolia				
Chenopodiaceae Maireana platycarpa	Chenopodiaceae	Maireana		platycarpa				

Ghenopodiaceae Maireana tomentosa subsp. tomentosa Chenopodiaceae Maireana triptera tomentosa subsp. tomentosa Chenopodiaceae Maireana triptera tomentosa tomentosa Chenopodiaceae Rhagodia eremaea tomentosa tomentosa Chenopodiaceae Salodia australis tomentosa tomentosa Chenopodiaceae Scleroleana cleandil tomentosa tomentosa y Chenopodiaceae Scleroleana cleandil tomentosa tomentosa y Chenopodiaceae Scleroleana deserticola tomentosa tomentosa tomentosa tomentosa Chenopodiaceae Scleroleana deserticola tomentosa tomentosa tomentosa tomentosa tomentosa Chenopodiaceae Scleroleana deserticola tomentosa tomentosa </th <th>Family</th> <th>Genus</th> <th>qualifier</th> <th>Species</th> <th>Rank</th> <th>Infraspecies</th> <th>Conservation Code</th> <th>New record GVD</th>	Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Chenopodiaceae Maireana villosa Chenopodiaceae Rhagodla eremaea Chenopodiaceae Salsola australis Chenopodiaceae Seloraleana alata Chenopodiaceae Sclerolaena alata Chenopodiaceae Sclerolaena clelandii Chenopodiaceae Sclerolaena densifora Chenopodiaceae Sclerolaena eriacantha Chenopodiaceae Sclerolaena eriacantha Chenopodiaceae Sclerolaena funiformis Chenopodiaceae Sclerolaena funiformis Chenopodiaceae Sclerolaena funiformis Chenopodiaceae Sclerolaena funiformis Chenopodiaceae Tettcornia disartculata Chenopodiaceae Tettcornia disartculata Ch	Chenopodiaceae	Maireana		pyramidata				
Chenopodiaceae Makagenia villosa Chenopodiaceae Rhagodia eermaea Chenopodiaceae Saloal australis Chenopodiaceae Sclerolaena clelandi Chenopodiaceae Sclerolaena clelandi Chenopodiaceae Sclerolaena clelandi Chenopodiaceae Sclerolaena desniflora Chenopodiaceae Sclerolaena desniflora Chenopodiaceae Sclerolaena desniflora Chenopodiaceae Sclerolaena desniflora Chenopodiaceae Sclerolaena eurotioides Chenopodiaceae Sclerolaena eurotioides Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena slanicuspis Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia pruinosa Che	Chenopodiaceae	Maireana		tomentosa	subsp.	tomentosa		
Chenopodiaceae Shagdia australis Chenopodiaceae Salsola australis Chenopodiaceae Sclerolaena clalandi " Chenopodiaceae Sclerolaena clelandii " Chenopodiaceae Sclerolaena clenada " Chenopodiaceae Sclerolaena densiflora " " " Chenopodiaceae Sclerolaena densiflora "	Chenopodiaceae	Maireana		triptera				
Chenopodiacea Sakola australis y Chenopodiacea Sclerolaena cledandii y Chenopodiacea Sclerolaena cledandii y Chenopodiacea Sclerolaena cledandii y Chenopodiacea Sclerolaena densfilora y Chenopodiacea Sclerolaena destricola y Chenopodiacea Sclerolaena destricola y Chenopodiacea Sclerolaena eurotides y Chenopodiacea Sclerolaena firmbriolata y Chenopodiacea Sclerolaena fanctiornia balonemolide Chenopodiacea Tectiornia halonemolide y Chenopodiacea Tecticornia panue y <td< td=""><td>Chenopodiaceae</td><td>Maireana</td><td></td><td>villosa</td><td></td><td></td><td></td><td></td></td<>	Chenopodiaceae	Maireana		villosa				
Chenopodiaceae Sclerolaena alata y Chenopodiaceae Sclerolaena clelandii	Chenopodiaceae	Rhagodia		eremaea				
Chenopodiaceae Sclerolaena celelandii Chenopodiaceae Sclerolaena densifora Chenopodiaceae Sclerolaena dessrifora Chenopodiaceae Sclerolaena deserticola Chenopodiaceae Sclerolaena eriacantha Chenopodiaceae Sclerolaena euroticides Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena disarticulata Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia pindica Chenopodiaceae Tecticornia prinosa Chenopodiaceae Tecticornia pindica Chenopodiaceae Tecticornia prinosa Chenopodiaceae Tecticornia pindica	Chenopodiaceae	Salsola		australis				
Chenopodiaceae Sclerolaena cuneata Chenopodiaceae Sclerolaena densiliora Chenopodiaceae Sclerolaena deserticola Chenopodiaceae Sclerolaena eriacantha Chenopodiaceae Sclerolaena euroticides Chenopodiaceae Sclerolaena fiminolata Chenopodiaceae Sclerolaena fiminolata Chenopodiaceae Sclerolaena fiminolata Chenopodiaceae Sclerolaena fiminolata Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Duperreya commixta	Chenopodiaceae	Sclerolaena		alata				У
Chenopodiaceae Sclerolaena deserticola Chenopodiaceae Sclerolaena deserticola Chenopodiaceae Sclerolaena ericantaha Chenopodiaceae Sclerolaena eurotioldes Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena lanicuspis Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Sclerolaena districulata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia pindica Chenopodiaceae Bonamia recta </td <td>Chenopodiaceae</td> <td>Sclerolaena</td> <td></td> <td>clelandii</td> <td></td> <td></td> <td></td> <td></td>	Chenopodiaceae	Sclerolaena		clelandii				
Chenopodiaceae Sclerolaena deserticola Chenopodiaceae Sclerolaena eriacantha Chenopodiaceae Sclerolaena euroticides Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena fusiformis Chenopodiaceae Sclerolaena fusiformis Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia halocomenoides Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Bonamia recta Convolvulaceae Bonamia recta	Chenopodiaceae	Sclerolaena		cuneata				
Chenopodiaceae Sclerolaena eviracantha Chenopodiaceae Sclerolaena eurotioides Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena lanicuspis Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Sclerolaena dairculata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pp. Dennys Crossing (K.A. Shepherd & J. English KS S52) Scopania recta Convolvulaceae Bonamia recta Crassula commixta recta Cyperaceae Callitiris verrucosa Cyperaceae Eleocharis papillosa	Chenopodiaceae	Sclerolaena		densiflora				
Chenopodiaceae Sclerolaena eurotioides Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena fusiformis Chenopodiaceae Sclerolaena lanicuspis Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia prulnosa Chenopodiaceae Tecticornia pp. Dennys Crossing (K.A. Shepherd & J. English KS Sclorolavellaceae Bonamia erecta Convolvulaceae Bonamia erecta Crassula colorata var. Cyperaceae Callitris var. Cyperaceae Eleocharis papillosa	Chenopodiaceae	Sclerolaena		deserticola				
Chenopodiaceae Sclerolaena fimbriolata Chenopodiaceae Sclerolaena fusiformis Chenopodiaceae Sclerolaena lanicuspis Chenopodiaceae Sclerolaena sp. (NG & EMIS 7530) Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia indica Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) Convolvulaceae Bonamia erecta Convolvulaceae Bonamia erecta Convolvulaceae Duperreya commixta Crassula colorata var. acuminata Cyperascacea Callitris y Cyperaceae Cyperus hamulosus y Cyperaceae Cyperus hamulosus s Cyperaceae Eleocharis papillosa s Cyperaceae Eleocharis papillosa s Cyperaceae Soheenoplectus dissachanthus Elat	Chenopodiaceae	Sclerolaena		eriacantha				
Chenopodiaceae Sclerolaena fusiformis Chenopodiaceae Sclerolaena lanicuspis Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia indica subsp. bidens Chenopodiaceae Tecticornia pruinosa subsp. bidens Chenopodiaceae Bonamia erecta subsp. acuminata Convolvulaceae Cassula colonita var. acuminata Cyperaceae Cyperus cyperus </td <td>Chenopodiaceae</td> <td>Sclerolaena</td> <td></td> <td>eurotioides</td> <td></td> <td></td> <td></td> <td></td>	Chenopodiaceae	Sclerolaena		eurotioides				
Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Tecticornia disarticulata (Schenopodiaceae Tecticornia disarticulata (Schenopodiaceae) Tecticornia disarticulata (Schenopodiaceae) Tecticornia disarticulata (Schenopodiaceae) Tecticornia indica subsp. bidens Chenopodiaceae Tecticornia indica subsp. bidens Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Bonamia erecta Convolvulaceae Duperreya commixta Corassulaceae Crassula colorata var. acuminata Cupressaceae Callitris verrucosa Cyperaceae Cyperus igidellus Cyperaceae Eleocharis papillosa :	Chenopodiaceae	Sclerolaena		fimbriolata				
Chenopodiaceae Sclerolaena sp. (NG & EMS 7530) Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) Les Convolualeae Convolvulaceae Bonamia erecta Les Convolualeaea Duperreya commixta Convolvulaceae Crassula colorata var. acuminata Cupersaceae Callitris verrucosa y Cyperaceae Cyperus hamulosus - y Cyperaceae Cyperus hamulosus - y Cyperaceae Cyperus hamulosus - y Cyperaceae Eleocharis papillosa 3 y Cyperaceae Schoenoplectus dissachanthus - - - - - - - - - - - - - - - - -	Chenopodiaceae	Sclerolaena		fusiformis				
Chenopodiaceae Tecticornia disarticulata Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia indica subsp. bidens Chenopodiaceae Tecticornia pruinosa sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) sp. Dennys Crossing	Chenopodiaceae	Sclerolaena		lanicuspis				
Chenopodiaceae Tecticornia halocnemoides Chenopodiaceae Tecticornia indica subsp. bidens Chenopodiaceae Tecticornia pruinosa pruinosa Chenopodiaceae Tecticornia sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) serenta serenta Convolvulaceae Bonamia erecta serenta	Chenopodiaceae	Sclerolaena		sp. (NG & EMS 7530)				
Chenopodiaceae Tecticornia indica subsp. bidens Chenopodiaceae Tecticornia pruinosa - - Chenopodiaceae Tecticornia sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) - - Convolvulaceae Bonamia erecta - - - Convolvulaceae Duperreya commixta var. acuminata Cupressaceae Callitris verrucosa y Cyperaceae Cyperus hamulosus y Cyperaceae Cyperus jgidellus Cyperaceae Eleocharis papillosa ja y Cyperaceae Solopis songrua ja y Cyperaceae Schoenoplectus disachanthus ja y Elatinaceae Bergia trimera y Elatinaceae Elatine macrocalyx ja y Euphorbiaceae Euphorbia boophthona ja y	Chenopodiaceae	Tecticornia		disarticulata				
Chenopodiaceae Tecticornia pruinosa Chenopodiaceae Tecticornia sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) 552) Convolvulaceae Bonamia erecta Convolvulaceae Duperreya commixta Crassulaceae Crassula colorata var. acuminata Cupressaceae Callitris verrucosa y Cyperaceae Cyperus hamulosus y Cyperaceae Cyperus rigidellus 3 y Cyperaceae Eleocharis papillosa 3 y Cyperaceae Schoenoplectus dissachanthus	Chenopodiaceae	Tecticornia		halocnemoides				
Chenopodiaceae Ronamia erecta erecta Convolvulaceae Duperreya commixta Crassulaceae Crassula colorata var. acuminata Cupressaceae Callitris verrucosa Cyperaceae Cyperus hamulosus Cyperaceae Eleocharis papillosa congrua Cyperaceae Isolepis congrua Cyperaceae Bergia trimera Elatinaceae Bergia Elatine Euphorbiaceae Euphorbia Euphorbiaceae Euphorbia Euphorbiaceae Euphorbia Euphorbiaceae Euphorbia Euphorbiaceae Euphorbia Enercia sp. Dennys Crossing (K.A. Shepherd & J. English KS 552) var. Papel Schoenia Acuminata var. acuminata v	Chenopodiaceae	Tecticornia		indica	subsp.	bidens		
Convolvulaceae Bonamia erecta Convolvulaceae Duperreya commixta Crassulaceae Cassula colorata var. acuminata Cyperaceae Cyperus hamulosus 's spaillosa Cyperaceae Eleocharis congrua Cyperaceae Isolepis congrua Cyperaceae Bergia trimera 's spaillosa 's s	Chenopodiaceae	Tecticornia		pruinosa				
Convolvulaceae Duperreya commixta Crassulaceae Crassula colorata var. acuminata Cupressaceae Callitris verrucosa Cyperaceae Cyperus hamulosus ; Cyperaceae Cyperus rigidellus Cyperaceae Eleocharis papillosa ; Cyperaceae Isolepis congrua Cyperaceae Schoenoplectus dissachanthus Elatinaceae Bergia trimera ; Elatinaceae Eluphorbia boophthona Euphorbiaceae Euphorbia broncata	Chenopodiaceae	Tecticornia		. , , , ,				
Crassulaceae Crassula colorata var. acuminata Cupressaceae Callitris verrucosa Cyperaceae Cyperus hamulosus Cyperaceae Cyperus rigidellus Cyperaceae Eleocharis papillosa congrua Cyperaceae Schoenoplectus dissachanthus Elatinaceae Bergia trimera Elatinaceae Elatine macrocalyx Euphorbiaceae Euphorbia Euphorbiaceae Euphorbia Euphorbiaceae Euphorbia Euphorbiaceae Euphorbia	Convolvulaceae	Bonamia		erecta				
CupressaceaeCallitrisverrucosaCyperaceaeCyperushamulosusyCyperaceaeCyperusrigidellusCyperaceaeEleocharispapillosa3yCyperaceaeIsolepiscongruaCyperaceaeSchoenoplectusdissachanthus-yElatinaceaeBergiatrimerayElatinaceaeElatinemacrocalyx3yEuphorbiaceaeEuphorbiaboophthonaEuphorbiaceaeEuphorbiaporcata	Convolvulaceae	Duperreya		commixta				
CyperaceaeCyperushamulosusyCyperaceaeCyperusrigidellus3yCyperaceaeEleocharispapillosa3yCyperaceaeIsolepiscongruaCyperaceaeSchoenoplectusdissachanthus-yElatinaceaeBergiatrimerayElatinaceaeElatinemacrocalyx3yEuphorbiaceaeEuphorbiaboophthonaEuphorbiaceaeEuphorbiaporcata	Crassulaceae	Crassula		colorata	var.	acuminata		
CyperaceaeCyperusrigidellusCyperaceaeEleocharispapillosa3yCyperaceaeIsolepiscongrua******CyperaceaeSchoenoplectusdissachanthus***yElatinaceaeBergiatrimerayElatinaceaeElatinemacrocalyx3yEuphorbiaceaeEuphorbiaboophthonaEuphorbiaceaeEuphorbiaporcata	Cupressaceae	Callitris		verrucosa				
CyperaceaeEleocharispapillosa3yCyperaceaeIsolepiscongruaCyperaceaeSchoenoplectusdissachanthusElatinaceaeBergiatrimerayElatinaceaeElatinemacrocalyx3yEuphorbiaceaeEuphorbiaboophthonaEuphorbiaceaeEuphorbiaporcata	Cyperaceae	Cyperus		hamulosus				У
Cyperaceae Isolepis congrua Cyperaceae Schoenoplectus dissachanthus Elatinaceae Bergia trimera y Elatinaceae Elatine macrocalyx 3 y Euphorbiaceae Euphorbia boophthona Euphorbiaceae Euphorbia porcata	Cyperaceae	Cyperus		rigidellus				
CyperaceaeSchoenoplectusdissachanthusElatinaceaeBergiatrimerayElatinaceaeElatinemacrocalyx3yEuphorbiaceaeEuphorbiaboophthonaEuphorbiaceaeEuphorbiaporcata	Cyperaceae	Eleocharis		papillosa			3	У
Elatinaceae Bergia trimera y Elatinaceae Elatine macrocalyx 3 y Euphorbiaceae Euphorbia boophthona Euphorbiaceae Euphorbia porcata	Cyperaceae	Isolepis		congrua				
Elatinaceae Elatine macrocalyx Euphorbiaceae Euphorbia boophthona Euphorbiaceae Euphorbia porcata	Cyperaceae	Schoenoplectus		dissachanthus				
Euphorbiaceae Euphorbia boophthona Euphorbiaceae Euphorbia porcata	Elatinaceae	Bergia		trimera				У
Euphorbiaceae Euphorbia boophthona Euphorbiaceae Euphorbia porcata	Elatinaceae	Elatine		macrocalyx			3	
Euphorbiaceae Euphorbia porcata	Euphorbiaceae	Euphorbia		boophthona				
	Euphorbiaceae	Euphorbia						
ullet	Euphorbiaceae	Monotaxis		luteiflora				

Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Fabaceae	Acacia		abrupta				
Fabaceae	Acacia		aneura				
Fabaceae	Acacia	?	aptaneura				
Fabaceae	Acacia		ayersiana				
Fabaceae	Acacia		ayersiana - narrow phyllode variant				
Fabaceae	Acacia		burkittii				
Fabaceae	Acacia		caesaneura - narrow phyllode variant				
Fabaceae	Acacia		craspedocarpa - hybrid				У
Fabaceae	Acacia		dictyophleba				У
Fabaceae	Acacia		donaldsonii				У
Fabaceae	Acacia		doreta				
Fabaceae	Acacia		helmsiana				
Fabaceae	Acacia		incurvaneura				
Fabaceae	Acacia		incurvaneura x mulganeura				
Fabaceae	Acacia	?	kempeana				
Fabaceae	Acacia		ligulata				
Fabaceae	Acacia		melleodora				
Fabaceae	Acacia		minyura				
Fabaceae	Acacia		minyura hybrid				
Fabaceae	Acacia		minyura - translucent resin variant				
Fabaceae	Acacia		mulganeura				
Fabaceae	Acacia		mulganeura - variant 1				
Fabaceae	Acacia		mulganeura - variant 2				
Fabaceae	Acacia		murrayana				
Fabaceae	Acacia		nyssophylla				
Fabaceae	Acacia		pachyacra				
Fabaceae	Acacia		prainii				
Fabaceae	Acacia		pruinocarpa				
Fabaceae	Acacia		pteraneura				
Fabaceae	Acacia		quadrimarginea				
Fabaceae	Acacia		ramulosa	var.	linophylla		
Fabaceae	Acacia		rhodophloia				
Fabaceae	Acacia		sibina				
Fabaceae	Acacia		tetragonophylla				
Fabaceae	Acacia		tysonii				
Fabaceae	Aenictophyton		anomalum				у
Fabaceae	Indigofera		georgei				

Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Fabaceae	Kennedia		prorepens				
Fabaceae	Leptosema		chambersii				
Fabaceae	Petalostylis		cassioides				
Fabaceae	Senna		artemisioides	subsp.	filifolia		
Fabaceae	Senna		artemisioides	subsp.	helmsii		
Fabaceae	Senna		artemisioides	subsp.	oligophylla		
Fabaceae	Senna		artemisioides	subsp.	oligophylla - hybrid		
Fabaceae	Senna		artemisioides	subsp.	petiolaris		
Fabaceae	Senna		artemisioides	subsp.	x artemisioides		
Fabaceae	Senna		glutinosa	subsp.	chatelainiana		
Fabaceae	Senna		pleurocarpa				
Fabaceae	Senna		sp. Meekatharra (E. Bailey 1-26)				у
Fabaceae	Swainsona		formosa				
Fabaceae	Swainsona		microphylla				
Fabaceae	Swainsona		oliveri				
Fabaceae	Swainsona		oroboides				
Frankeniaceae	Frankenia		cinerea				
Frankeniaceae	Frankenia		glomerata			3	
Frankeniaceae	Frankenia		pauciflora				У
Geraniaceae	Erodium		crinitum				
Geraniaceae	Erodium		cygnorum				
Goodeniaceae	Brunonia		australis				
Goodeniaceae	Dampiera		dentata				
Goodeniaceae	Dampiera		ramosa				
Goodeniaceae	Goodenia		centralis				
Goodeniaceae	Goodenia		gypsicola				
Goodeniaceae	Goodenia		havilandii				
Goodeniaceae	Goodenia		lyrata			3	У
Goodeniaceae	Goodenia		ramelii				
Goodeniaceae	Goodenia		triodiophila				
Goodeniaceae	Goodenia		xanthosperma				
Goodeniaceae	Lechenaultia		striata				
Goodeniaceae	Scaevola		basedowii				
Goodeniaceae	Scaevola		collaris				
Goodeniaceae	Scaevola		parvifolia				
Goodeniaceae	Scaevola		spinescens				
Goodeniaceae	Velleia		connata				

Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Goodeniaceae	Velleia		glabrata				
Goodeniaceae	Velleia		panduriformis				
Goodeniaceae	Velleia		sp. (NG & EMS 7638)				
Gyrostemonaceae	Codonocarpus		cotinifolius				
Gyrostemonaceae	Gyrostemon		racemiger				
Gyrostemonaceae	Gyrostemon		ramulosus				
Gyrostemonaceae	Gyrostemon		tepperi				
Haloragaceae	Gonocarpus		ephemerus				У
Haloragaceae	Haloragis		gossei	var.	gossei		У
Haloragaceae	Haloragis		odontocarpa	forma	octoforma		У
Haloragaceae	Haloragis		odontocarpa	forma	pterocarpa		
Haloragaceae	Haloragis		uncatipila				У
Hemerocallidaceae	Corynotheca		micrantha	var.	divaricata		
Juncaginaceae	Triglochin		hexagona				У
Juncaginaceae	Triglochin		nana				
Lamiaceae	Dicrastylis		exsuccosa				
Lamiaceae	Dicrastylis		sp. (NG & EMS 7753)				
Lamiaceae	Newcastelia		cephalantha				
Lamiaceae	Newcastelia		hexarrhena				
Lamiaceae	Prostanthera		althoferi	subsp.	althoferi		
Lamiaceae	Prostanthera		wilkieana				
Lamiaceae	Spartothamnella		teucriiflora				
Loranthaceae	Amyema		fitzgeraldii				
Loranthaceae	Amyema		hilliana				У
Loranthaceae	Lysiana		exocarpi	subsp.	exocarpi		
Loranthaceae	Lysiana		murrayi				
Malvaceae	Abutilon		cryptopetalum				
Malvaceae	Abutilon		otocarpum				
Malvaceae	Alyogyne		pinoniana	var.	pinoniana		
Malvaceae	Androcalva		loxophylla				
Malvaceae	Hibiscus		burtonii				У
Malvaceae	Keraudrenia		velutina	subsp.	elliptica		
Malvaceae	Lawrencia		glomerata				
Malvaceae	Sida		calyxhymenia				У
Malvaceae	Sida		ectogama				
Malvaceae	Sida	sens. lat.	fibulifera				
Malvaceae	Sida		sp. creeping tiny fruit (NG & EMS 7618)				

Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Malvaceae	Sida		sp. Golden calyces pubescent (G.J. Leach 1966)				У
Malvaceae	Sida		sp. tiny glabrous fruit (A.A. Mitchell PRP1152)				У
Malvaceae	Sida		sp. verrucose glands (F.H. Mollemans 2423)				
Marsileaceae	Marsilea		hirsuta				
Myrtaceae	Aluta		maisonneuvei	subsp.	auriculata		
Myrtaceae	Eucalyptus		carnei				
Myrtaceae	Eucalyptus		concinna				
Myrtaceae	Eucalyptus		eremicola				
Myrtaceae	Eucalyptus		gongylocarpa				
Myrtaceae	Eucalyptus		lucasii				
Myrtaceae	Eucalyptus		mannensis	subsp.	mannensis		
Myrtaceae	Eucalyptus		oldfieldii				
Myrtaceae	Eucalyptus		socialis	subsp.	eucentrica		
Myrtaceae	Eucalyptus		youngiana				
Myrtaceae	Homalocalyx		thryptomenoides				
Myrtaceae	Melaleuca		apostiba			3	
Myrtaceae	Melaleuca		interioris				
Myrtaceae	Micromyrtus		flaviflora				
Phrymaceae	Glossostigma		diandrum				у
Phrymaceae	Mimulus		repens				У
Phrymaceae	Peplidium	?	aithocheilum				
Pittosporaceae	Pittosporum		angustifolium				
Poaceae	Amphipogon		caricinus	var.	caricinus		
Poaceae	Aristida	?	capillifolia				
Poaceae	Aristida		contorta				
Poaceae	Aristida		holathera				
Poaceae	Aristida	?	nitidula				
Poaceae	Austrostipa		elegantissima				у
Poaceae	Austrostipa		platychaeta				у
Poaceae	Brachyachne		prostrata				у
Poaceae	Cymbopogon		obtectus				
Poaceae	Elytrophorus		spicatus				у
Poaceae	Enneapogon		caerulescens				
Poaceae	Enneapogon		polyphyllus				
Poaceae	Enteropogon		ramosus				
Poaceae	Eragrostis		dielsii				
Poaceae	Eragrostis		eriopoda				

Poaceae Eragrostis pergradiis Poaceae Eragrostis xertophila Poaceae Eriadne mistidea Poaceae Eriadne mistidea Poaceae Eriadne helmsi Poaceae Eriadne mucronata Poaceae Eriadne mucronata Poaceae Eriadne mucronata Poaceae Eulalia aurea Poaceae Eulalia minor Poaceae Neuradne minor Poaceae Paradacenum refractum Poaceae Paspildium refractum Poaceae Thyridolepis mitchellana Poaceae Trindolepis mitchellana Poaceae Trindola basedowi Poaceae Trindola basedowi	Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Poaceae Erachne aristolea y Poaceae Erachne flaccida y Poaceae Eriachne helmsi y Poaceae Eriachne ? mucronata Poaceae Eriachne ? mucronata Poaceae Eulaila aurea Poaceae Monachather paradoxus Poaceae Morachather minor y Poaceae Paspalidium ? clemertii Poaceae Paspalidium ? clemertii Poaceae Thyridolepis multicumis y Poaceae Thyridolepis multicumis y Poaceae Thyridolepis multicumis y Poaceae Trioridi serophila y Poaceae Trioridi mellelian y Poaceae Trioridi seconima y Poaceae Trioridi schinati y Poaceae Trioridi schinati y<	Poaceae	Eragrostis						
Poaceae Friachne I aristidea Poaceae Eriachne Holenisi Poaceae Eriachne Holenisi Poaceae Eriachne Poaceae Poaceae Eriachne pulchella Poaceae Eulalia pardoxus Poaceae Monachather pardoxus Poaceae Neurachne minor Poaceae Parataenum prefactum Poaceae Paspalidlum dementi Poaceae Paspalidlum dementi Poaceae Paspalidlum dementi Poaceae Pryridolepis dementi Poaceae Thyridolepis demitticularia Poaceae Thyridolepis mittheliana Poaceae Thyridolepis xerophila Poaceae Thyridolepis xerophila Poaceae Triodia xerophila Poaceae Triodia xerophila Poaceae Triodia schinzii Poaceae Triodia schinzii <td>Poaceae</td> <td>Eragrostis</td> <td></td> <td>setifolia</td> <td></td> <td></td> <td></td> <td></td>	Poaceae	Eragrostis		setifolia				
Poaceae Eriachne Hacada Poaceae Eriachne Hacada Poaceae Eriachne Y Poaceae Eriachne Y Poaceae Eriachne Y Poaceae Eulalia aura Poaceae Monachather Y Poaceae Neurachne Y Poaceae Paspalidium Y Poaceae Paspalidium Y Poaceae Paspalidium Y Poaceae Paspalidium Y Poaceae Thyridolepis Y Poaceae Thyridolepis Y Poaceae Thyridolepis Y Poaceae Thyridolepis Y Poaceae Triodia Y Poaceae Tr	Poaceae	Eragrostis		xerophila				
Poaceae Eriachne nucronata Poaceae Eriachne nucronata Poaceae Eriachne publella Poaceae Eulala aurea Poaceae Monachather pardouus Poaceae Neurachne minor Poaceae Paractaenum refractum Poaceae Paspalidium ? Poaceae Paspalidium ? Poaceae Paspalidium ? Poaceae Paspalidium ? Poaceae Themeda reirandra Poaceae Themeda reirandra Poaceae Thyridolepis mitchellana Poaceae Thyridolepis mitchellana Poaceae Thyridolepis multiculmis Poaceae Thyridolepis multiculmis Poaceae Thyridolepis bacedowii Poaceae Triodia bacedowii Poaceae Triodia baceae Poaceae Triodia baceae	Poaceae	Eriachne		aristidea				У
Poaceae Frachne ? mucronata Poaceae Erlachne - pulchella Poaceae Eulalia - aurea Poaceae Monachather - paradoxus Poaceae Neurachne y paradoxus Poaceae Parataenum refractum y Poaceae Paspalidium ? clementi Poaceae Paspalidium ? clementi Poaceae Thyridolepis ro triadra Poaceae Thyridolepis with multiculmis y Poaceae Thyridolepis multiculmis y Poaceae Triodia basedowii y Poaceae Triodia concinna y Poaceae Triodia seedowii y Poaceae Triodia seedowii y Poaceae Triodia seedowii y Poaceae Triodia seedowii y Poaceae Triodia	Poaceae	Eriachne		flaccida				
Poaceae Eriachne pulchella Poaceae Eulalia aurea Poaceae Monachather paradoxus Poaceae Neurachne minor Poaceae Paractaenum refractum Poaceae Paspaldium ? Poaceae Paspaldium ? Poaceae Thereda triandra Poaceae Thyridolepis mittchelliana Poaceae Triodia toncinna Poaceae Triodia mittchelliana Poaceae Triodia melville Poaceae Triodia ioninia Poaceae Triodia ioninia Polygalaceae Polygalaceae forulacaceae Calandrinia forulacaceae	Poaceae	Eriachne		helmsii				
Poaceae Eulalia aurea Poaceae Monachather paradoxus Poaceae Neurchne minor y Poaceae Paractaenum ? clementil Poaceae Paspalidium ? clementil Poaceae Paspalidium ? scho K & EKS 7477) Poaceae Thyridolepis triandra respective for the parameters of the parameters	Poaceae	Eriachne	?	mucronata				
Poaceae Monachather paradoxus Poaceae Neurachne minor Poaceae Paradeanum refractum Poaceae Paspalidium ? clementii Poaceae Paspalidium ? clementii Poaceae Themeda sp. (NG & EMS 7477) clementii Poaceae Thyridolepis mitchelliana g. Poaceae Thyridolepis mitchelliana g. Poaceae Thyridolepis mitchelliana g. Poaceae Thyridolepis serophila g. Poaceae Thyridolepis serophila g. Poaceae Trividia serophila g. Poaceae Triodia serophila g. Poaceae Triodia g. schinzii Poaceae Triodia g. schinzii Poaceae Triodia g. schinzii Poaceae Triodia g. schinzii Poaceae Triraphis	Poaceae	Eriachne		pulchella				
Poaceae Neurachne minor y Poaceae Paractaenum refractum Poaceae Paspalidium ? clementii Poaceae Paspalidium ? clementii Poaceae Themeda triandra triandra Poaceae Thyridolepis mitchelliana y Poaceae Thyridolepis multiculmis y Poaceae Thyridolepis xerophila y Poaceae Triodia basedowii y Poaceae Triodia concinna y Poaceae Triodia melvillei y Poaceae Triodia melvillei y Poaceae Triodia melvillei y Poaceae Triodia isingi y Polygalaceae Polygalaceae Polygalaceae Polygalaceae Polygalaceae Polygalaceae Y Portulacaceae Calandrinia creethiae y y Portulacaceae Calandr	Poaceae	Eulalia		aurea				
Poaceae Paractaenum refractum Poaceae Paspalidium ? clementii Poaceae Paspalidium ; sp. (NG & EMS 7477) Poaceae Themeda triandra Poaceae Thyridolepis mitchelliana Poaceae Thyridolepis multiculmis y Poaceae Thyridolepis werophila y Poaceae Triodia werophila y Poaceae Triodia ocncinna y Poaceae Triodia mekvillei y Poaceae Triodia mekvillei y Poaceae Triodia mekvillei y Poaceae Triodia mekvillei y Polygalaceae Polygala mollis y Polygalaceae Polygala isingii y Portulacaceae Calandrinia y balonensis Portulacaceae Calandrinia pilcipetal y Portulacaceae Calandrinia	Poaceae	Monachather		paradoxus				
Poaceae Paspalidium ? clementii Poaceae Paspalidium ? sp. (NG & EMS 7477) Poaceae Themda trindra Poaceae Thyridolepis mitchelliana Poaceae Thyridolepis multiculmis y Poaceae Thyridolepis serophila Poaceae Triodia basedowii Poaceae Triodia concinna Poaceae Triodia melvillei Poaceae Triodia melvillei Poaceae Triraphis mollis Polygalaceae Polygala isingii Polygonaceae Polygala isingii Portulacaceae Calandrinia isingii Portulacaceae Calandrinia creethiae Portulacaceae Calandrinia ? Portulacaceae Calandrinia ? Portulacaceae Calandrinia ? Portulacaceae Calandrinia ? Portulacaceae Calandrinia ? <td>Poaceae</td> <td>Neurachne</td> <td></td> <td>minor</td> <td></td> <td></td> <td></td> <td>У</td>	Poaceae	Neurachne		minor				У
Poaceae Paspalidium sp. (NG & EMS 7477) Poaceae Themeda triandra Poaceae Thyridolepis mithelliana Poaceae Thyridolepis multiculmis y Poaceae Triodia basedowii y Poaceae Triodia concinna y Poaceae Triodia longiceps y Poaceae Triodia schinzii y Poaceae Triodia schinzii y Poaceae Triraphis mollis y Polygalaceae Polygala singii y Portulacaceae Calandrinia bolonensis y Portulacaceae Calandrinia creethiae y Portulacaceae Calandrinia peropapara y Portulacaceae Calandrinia peropapara y Portulacaceae Calandrinia peropapara y Portulacaceae Calandrinia pytychosperma y Portulacaceae	Poaceae	Paractaenum		refractum				
Poaceae Themeda triandra Poaceae Thyridolepis mitthelliana Poaceae Thyridolepis multiculmis Poaceae Thyridolepis xerophila Poaceae Triodia basedowii Poaceae Triodia concinna Poaceae Triodia melvillei Poaceae Triodia schinzii Polygalaceae Polygala forulenta y Polygalaceae Polygala forulenta y Portulacaceae Calandrinia balonensis y Portulacaceae Calandrinia remeae y Portulacaceae Calandrinia polyoandra y Portulacaceae Calandrinia polyoapramila y Portulacaceae Calandrinia pumila y	Poaceae	Paspalidium	?	clementii				
Poaceae Thyridolepis mitchelliana Poaceae Thyridolepis mutciulmis Poaceae Thyridolepis xerophila Poaceae Triodia basedowii Poaceae Triodia concinna Poaceae Triodia melvillei Poaceae Triodia schinzii Poaceae Triodia schinzii Poaceae Triraphis mollis Polygalaceae Polygala isingii Polygonaceae Duma florulenta Portulacaceae Calandrinia balonensis Portulacaceae Calandrinia creethiae Portulacaceae Calandrinia eremaea Portulacaceae Calandrinia polyandra Portulacaceae Calandrinia polyandra Portulacaceae Calandrinia polyandra Portulacaceae Calandrinia polyandra Portulacaceae Calandrinia punjan Portulacaceae Calandrinia punjan <t< td=""><td>Poaceae</td><td>Paspalidium</td><td></td><td>sp. (NG & EMS 7477)</td><td></td><td></td><td></td><td></td></t<>	Poaceae	Paspalidium		sp. (NG & EMS 7477)				
Poaceae Thyridolepis multiculmis y Poaceae Thyridolepis xerophila xerophila Poaceae Triodia basedowii xerophila Poaceae Triodia concinna y Poaceae Triodia melvillei y Poaceae Triodia melvillei xerophila Poaceae Triodia molis xerophila Polygalaceae Triodia molis y Polygalaceae Triodia molis y Polygalaceae Triodia molis y Polygalaceae Triodia florulenta y Polygalaceae Polygala florulenta y Portulacaceae Calandrinia eremea y Portulacaceae Calandrinia pleiopetala y Portulacaceae Calandrinia pupulia y Portulacaceae Calandrinia pupulia y Portulacaceae Calandrinia pupulia y	Poaceae	Themeda		triandra				
Poaceae Thyridolepis xerophila Poaceae Triodia basedowii Poaceae Triodia concinna Poaceae Triodia longiceps y Poaceae Triodia melvillei Poaceae Triodia schinzii Poaceae Triraphis mollis Polygalaceae Polygala isingii Polygonaceae Duma florulenta Portulacaceae Calandrinia y Portulacaceae Calandrinia creethiae Portulacaceae Calandrinia y Portulacaceae Calandrinia pleiopetala Portulacaceae Calandrinia pleiopetala Portulacaceae Calandrinia polyandra Portulacaceae Calandrinia polyandra Portulacaceae Calandrinia pumila Portulacaceae Calandrinia pumila Portulacaceae Calandrinia pumila Portulacaceae Calandrinia pumila	Poaceae	Thyridolepis		mitchelliana				
Poaceae Triodia basedowii Poaceae Triodia concinna Poaceae Triodia melvillei Poaceae Triodia schinzii Poaceae Triraphis mollis Polygalaceae Polygala isingii Portulacaceae Calandrinia florulenta Portulacaceae Calandrinia creethiae Portulacaceae Calandrinia creethiae Portulacaceae Calandrinia peremaea Portulacaceae Calandrinia polyandra	Poaceae	Thyridolepis		multiculmis				у
Poaceae Triodia concinna Poaceae Triodia longiceps y Poaceae Triodia melvillei Poaceae Triodia schinzii Poaceae Triraphis mollis Polygalaceae Polygala isingii Polygonaceae Duma florulenta y Portulacaceae Calandrinia balonensis y Portulacaceae Calandrinia eremaea y Portulacaceae Calandrinia pleiopetala y Portulacaceae Calandrinia polyandra y Portulacaceae Calandrinia ptychosperma y Portulacaceae Calandrin	Poaceae	Thyridolepis		xerophila				
Poaceae Triodia Ingiceps y Poaceae Triodia melvillei 1 Poaceae Triodia schinzii 1 Poaceae Triraphis mollis 1 Polygalaceae Polygala isingii y Polyganaceae Duma florulenta y Portulacaceae Calandrinia dalonensis y Portulacaceae Calandrinia eremaea y Portulacaceae Calandrinia peremaea y Portulacaceae Calandrinia polygandra y Portulacaceae Calandrinia polygondra y Portulacaceae Calandrinia polytychosperma y Portulacaceae Calandrinia pumila y Portulacaceae Portulacacea Calandrinia y Portulacaceae Portulaca pointaca y Portulacaceae Portulaca principal y Portulacaceae Portulacacea principal y Portulacaceae Portulacaceae principal <	Poaceae	Triodia		basedowii				
Poaceae Triodia melvillei Poaceae Triodia schinzii Poaceae Triraphis mollis Polygalaceae Polygala isingii Polygonaceae Duma florulenta yalonensis Portulacaceae Calandrinia eremaea Portulacaceae Calandrinia ? eremaea Portulacaceae Calandrinia ? pleiopetala Portulacaceae Calandrinia ? polyyandra Portulacaceae Calandrinia ? polyyandra Portulacaceae Calandrinia ? polyyandra Portulacaceae Calandrinia ? polyyandra Portulacaceae Calandrinia pytychosperma yalonenseae Calandrinia pumila yalonenseaeae Grevillea eriostachya puncifolia	Poaceae	Triodia		concinna				
Poaceae Triodia schinzii Poaceae Triraphis mollis Polygalaceae Polygala isingii Portulacaceae Duma florulenta y Portulacaceae Calandrinia balonensis y Portulacaceae Calandrinia ? creethiae y Portulacaceae Calandrinia ? pleiopetala y Portulacaceae Calandrinia ? polyandra y Portulacaceae Calandrinia ? polyandra y Portulacaceae Calandrinia ? pumila y Portulacaceae Calandrinia pumila y Portulacaceae Portulaca portulaca y Portulacaceae Gevillea oleracea y Proteaceae Grevillea eriostachya Proteaceae Grevillea juncifolia	Poaceae	Triodia		longiceps				у
Poaceae Triraphis mollis Polygalaceae Polygala isingii Polygonaceae Duma florulenta y Portulacaceae Calandrinia balonensis y Portulacaceae Calandrinia ? eremaea Portulacaceae Calandrinia ? pleiopetala y Portulacaceae Calandrinia ? polyandra y Portulacaceae Calandrinia ? polyandra y Portulacaceae Calandrinia ? pumila y Portulacaceae Calandrinia pumila y Portulacaceae Portulaca portulaca y Portulacaceae Portulaca pumila y Proteaceae Grevillea eriostachya Proteaceae Grevillea juncifolia	Poaceae	Triodia		melvillei				
PolygalaceaePolygalaisingiiPolygonaceaeDumaflorulentaPortulacaceaeCalandriniabalonensisPortulacaceaeCalandriniacreethiaePortulacaceaeCalandriniaeremaeaPortulacaceaeCalandriniapleiopetalaPortulacaceaeCalandriniapolyandraPortulacaceaeCalandriniapolyandraPortulacaceaeCalandriniaptychospermaPortulacaceaeCalandriniapumilaPortulacaceaePortulacaoleraceaPortulacaceaeFortulacaoleraceaProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Poaceae	Triodia		schinzii				
PolygonaceaeDumaflorulentayPortulacaceaeCalandriniabalonensisyPortulacaceaeCalandriniacreethiaeyPortulacaceaeCalandriniaeremaeayPortulacaceaeCalandriniapleiopetalayPortulacaceaeCalandriniapolyandrayPortulacaceaeCalandriniaptychospermayPortulacaceaeCalandriniapumilayPortulacaceaePortulacaoleraceayProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Poaceae	Triraphis		mollis				
Portulacaceae Calandrinia balonensis Portulacaceae Calandrinia creethiae y Portulacaceae Calandrinia ? eremaea Portulacaceae Calandrinia pleiopetala y Portulacaceae Calandrinia ? polyandra Portulacaceae Calandrinia ? polyandra Portulacaceae Calandrinia ptychosperma y Portulacaceae Calandrinia pumila y Portulacaceae Calandrinia pumila y Portulacaceae Calandrinia pumila y Portulacaceae Grevillea eriostachya Proteaceae Grevillea juncifolia	Polygalaceae	Polygala		isingii				
PortulacaceaeCalandriniacreethiaeyPortulacaceaeCalandrinia?eremaeaPortulacaceaeCalandriniapleiopetalayPortulacaceaeCalandrinia?polyandraPortulacaceaeCalandriniaptychospermayPortulacaceaeCalandriniapumilayPortulacaceaePortulacaoleraceayProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Polygonaceae	Duma		florulenta				у
PortulacaceaeCalandrinia?eremaeaPortulacaceaeCalandrinia;pleiopetalaPortulacaceaeCalandrinia?polyandraPortulacaceaeCalandriniaptychospermayPortulacaceaeCalandriniapumilayPortulacaceaePortulacaioleraceayProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Portulacaceae	Calandrinia		balonensis				
PortulacaceaeCalandriniapleiopetalaPortulacaceaeCalandrinia?polyandraPortulacaceaeCalandriniaptychospermayPortulacaceaeCalandriniapumilayPortulacaceaePortulacaoleraceayProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Portulacaceae	Calandrinia		creethiae				у
PortulacaceaeCalandrinia?polyandraPortulacaceaeCalandriniaptychospermayPortulacaceaeCalandriniapumilayPortulacaceaePortulacaoleraceayProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Portulacaceae	Calandrinia	?	eremaea				
PortulacaceaeCalandriniaptychospermayPortulacaceaeCalandriniapumilayPortulacaceaePortulacaoleraceayProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Portulacaceae	Calandrinia		pleiopetala				у
Portulacaceae Calandrinia pumila y Portulacaceae Portulaca oleracea y Proteaceae Grevillea eriostachya Proteaceae Grevillea juncifolia	Portulacaceae	Calandrinia	?	polyandra				
PortulacaceaePortulacaoleraceaProteaceaeGrevilleaeriostachyaProteaceaeGrevilleajuncifolia	Portulacaceae	Calandrinia		ptychosperma				У
Proteaceae Grevillea eriostachya Proteaceae Grevillea juncifolia	Portulacaceae	Calandrinia		pumila				у
Proteaceae Grevillea juncifolia	Portulacaceae	Portulaca		oleracea				
Proteaceae Grevillea juncifolia	Proteaceae	Grevillea		eriostachya				
Proteaceae Grevillea pterosperma	Proteaceae	Grevillea						
	Proteaceae	Grevillea		pterosperma				

Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Proteaceae	Grevillea		sarissa	subsp.	bicolor		
Proteaceae	Grevillea		sarissa	subsp.	sarissa		
Proteaceae	Grevillea		stenobotrya				
Proteaceae	Hakea		lorea				
Pteridaceae	Cheilanthes		lasiophylla				У
Pteridaceae	Cheilanthes		sieberi	subsp.	sieberi		
Rhamnaceae	Stenanthemum		petraeum				У
Rubiaceae	Pomax		sp. desert (A.S. George 11968)				
Rubiaceae	Psydrax		latifolia				
Rubiaceae	Psydrax		rigidula				
Rubiaceae	Psydrax		suaveolens				
Rubiaceae	Synaptantha		tillaeacea	var.	tillaeacea		
Santalaceae	Anthobolus		leptomerioides				
Santalaceae	Exocarpos		sparteus				
Santalaceae	Santalum		spicatum				
Sapindaceae	Dodonaea		petiolaris				У
Sapindaceae	Dodonaea		rigida				
Sapindaceae	Dodonaea		viscosa	subsp.	angustissima		
Scrophulariaceae	Eremophila		battii				
Scrophulariaceae	Eremophila		exilifolia				
Scrophulariaceae	Eremophila		forrestii	subsp.	forrestii		
Scrophulariaceae	Eremophila		galeata				У
Scrophulariaceae	Eremophila		gibsonii				
Scrophulariaceae	Eremophila		gilesii	subsp.	gilesii		
Scrophulariaceae	Eremophila		glabra	subsp.	Inland Salt Lakes (B. & B. Backhouse SR 191)		У
Scrophulariaceae	Eremophila		glutinosa		,		У
Scrophulariaceae	Eremophila		latrobei	subsp.	glabra		
Scrophulariaceae	Eremophila		latrobei	subsp.	latrobei		
Scrophulariaceae	Eremophila		longifolia				
Scrophulariaceae	Eremophila		maculata	subsp.	brevifolia		У
Scrophulariaceae	Eremophila		malacoides				У
Scrophulariaceae	Eremophila		miniata				
Scrophulariaceae	Eremophila		oppositifolia	subsp.	angustifolia		
Scrophulariaceae	Eremophila		pantonii	•			
Scrophulariaceae	Eremophila		platythamnos	subsp.	exotrachys		
Scrophulariaceae	Eremophila		serrulata				

Family	Genus	qualifier	Species	Rank	Infraspecies	Conservation Code	New record GVD
Scrophulariaceae	Eremophila		shonae	subsp.	diffusa	3	У
Scrophulariaceae	Eremophila		sp. Plumridge Lakes (S.G.M. Carr 534)				
Scrophulariaceae	Eremophila		youngii				
Solanaceae	Anthotroche		pannosa				
Solanaceae	Duboisia		hopwoodii				
Solanaceae	Nicotiana		rosulata				
Solanaceae	Nicotiana		simulans				
Solanaceae	Solanum		centrale				
Solanaceae	Solanum		cleistogamum				
Solanaceae	Solanum		gilesii				У
Solanaceae	Solanum		lasiophyllum				
Solanaceae	Solanum		orbiculatum				
Stylidiaceae	Levenhookia		chippendalei				
Stylidiaceae	Stylidium		inaequipetalum				У
Thymelaeaceae	Pimelea		microcephala				
Zygophyllaceae	Tribulus		suberosus				У
Zygophyllaceae	Zygophyllum		compressum				
Zygophyllaceae	Zygophyllum		eremaeum				
Zygophyllaceae	Zygophyllum		ovatum				

Appendix 3. Taxa that were only recorded from wetlands to the west and southwest of the PETERSWALD map sheet. All wetlands were within the Great Victoria Desert bioregion.

Family	Taxon
Amaranthaceae	Surreya diandra
Asteraceae	Helichrysum luteoalbum
Asteraceae	Senecio lacustrinus
Boraginaceae	Heliotropium curassavicum
Casuarinaceae	Casuarina obesa
Centrolepidaceae	Centrolepis eremica
Chenopodiaceae	Maireana luehmannii
Chenopodiaceae	Maireana pentatropis
Chenopodiaceae	Sclerolaena fimbriolata
Chenopodiaceae	Tecticornia pruinosa
Crassulaceae	Crassula colorata var. acuminata
Cyperaceae	Cyperus hamulosus
Cyperaceae	Eleocharis papillosa
Cyperaceae	Isolepis congrua
Cyperaceae	Schoenoplectus dissachanthus
Elatinaceae	Bergia trimera
Elatinaceae	Elatine macrocalyx
Fabaceae	Acacia tysonii
Goodeniaceae	Goodenia gypsicola
Juncaginaceae	Triglochin hexagona
Myrtaceae	Melaleuca apostiba
Phrymaceae	Glossostigma diandrum
Phrymaceae	Mimulus repens
Polygonaceae	Duma florulenta
Solanaceae	Nicotiana rosulata
Stylidiaceae	Stylidium inaequipetalum

Appendix 4. Plates of PETERSWALD flora, index table gives photo number, new record for Great Victoria Desert and current conservation code.

Family	Taxon	Photo number	New record GVD	Conservation code
Amaranthaceae	Ptilotus aervoides	36		
Amaranthaceae	Ptilotus chamaecladus	33		
Amaranthaceae	Ptilotus obovatus	34		
Amaranthaceae	Ptilotus polystachyus	35		
Asparagaceae	Thysanotus aff. patersonii	74		
Asteraceae	Angianthus cyathifer	7	У	
Asteraceae	Brachyscome iberidifolia	14		
Asteraceae	Brachyscome sp. Wanna Munna Flats (S. van Leeuwen 4662)	13	У	1
Asteraceae	Calotis erinacea	2		
Asteraceae	Chrysocephalum eremaeum	8		
Asteraceae	Gnephosis sp.	4		
Asteraceae	Leucochrysum stipitatum	5		
Asteraceae	Myriocephalus rudallii	1	У	
Asteraceae	Olearia calcarea	18	У	
Asteraceae	Pluchea dunlopii	16	У	
Asteraceae	Podolepis canescens	3		
Asteraceae	Rhodanthe charsleyae	10		
Asteraceae	Rhodanthe chlorocephala subsp. splendida	12	у	
Asteraceae	Rhodanthe floribunda	11		
Asteraceae	Rhodanthe humboldtiana	9	у	
Asteraceae	Schoenia cassiniana	15		
Asteraceae	Streptoglossa liatroides	17		
Asteraceae	Waitzia acuminata	6		
Boraginaceae	Halgania glabra	91	у	
Boraginaceae	Heliotropium curassavicum	92		
Brassicaceae	Stenopetalum pedicellare	65	у	
Campanulaceae	Isotoma petraea	73		
Celastraceae	Macgregoria racemigera	96		
Chenopodiaceae	Maireana carnosa	62		
Chenopodiaceae	Maireana glomerifolia	61		
Chenopodiaceae	Sclerolaena eurotioides	63		
Chenopodiaceae	Tecticornia indica subsp. bidens	64		
Convolvulaceae	Bonamia erecta	106		
Convolvulaceae	Duperreya commixta	105		
Cyperaceae	Eleocharis papillosa	102	У	3
Fabaceae	Acacia abrupta	55		
Fabaceae	Acacia doreta	56		
Fabaceae	Acacia pruinocarpa	48		
Fabaceae	Aenictophyton anomalum	49	У	
Fabaceae	Kennedia prorepens	53		
Fabaceae	Senna artemisioides subsp. filifolia	54		
Fabaceae	Swainsona formosa	50		
Fabaceae	Swainsona microphylla	51		
Fabaceae	Swainsona oroboides	52		
Frankeniaceae	Frankenia cinerea	77		
Frankeniaceae	Frankenia pauciflora	78	У	
Goodeniaceae	Brunonia australis	37		
Goodeniaceae	Dampiera dentata	42		
Goodeniaceae	Goodenia centralis	39		
Goodeniaceae	Goodenia lyrata	38	У	3
Goodeniaceae	Lechenaultia striata	40		
Goodeniaceae	Scaevola collaris	41		
Gyrostemonaceae	Codonocarpus cotinifolius	80		

Family	Taxon	Photo number	New record GVD	Conservation code
Gyrostemonaceae	Gyrostemon ramulosus	82		
Gyrostemonaceae	Gyrostemon tepperi	81		
Juncaginaceae	Triglochin hexagona	100	у	
Juncaginaceae	Triglochin nana	99		
Lamiaceae	Newcastelia cephalantha	66		
Loranthaceae	Amyema fitzgeraldii	94		
Loranthaceae	Amyema hilliana	95	У	
Loranthaceae	Lysiana murrayi	93		
Malvaceae	Alyogyne pinoniana var. pinoniana	87		
Malvaceae	Keraudrenia velutina subsp. elliptica	88		
Malvaceae	Lawrencia glomerata	89		
Malvaceae	Sida calyxhymenia	90	У	
Myrtaceae	Eucalyptus gongylocarpa	58		
Myrtaceae	Eucalyptus youngiana	57		
Myrtaceae	Homalocalyx thryptomenoides	59		
Myrtaceae	Micromyrtus flaviflora	60		
Phrymaceae	Mimulus repens	101	у	
Poaceae	Triodia basedowii	97		
Poaceae	Triodia concinna	98		
Portulacaceae	Calandrinia balonensis	72		
Portulacaceae	Calandrinia creethiae	71	у	
Portulacaceae	Calandrinia pleiopetala	69	у	
Portulacaceae	Calandrinia pleiopetala & C. creethiae	70	у	
Portulacaceae	Calandrinia polyandra	68		
Portulacaceae	Calandrinia pumila	67	у	
Proteaceae	Grevillea eriostachya	43		
Proteaceae	Grevillea sarissa subsp. sarissa	45		
Proteaceae	Grevillea sarissa subsp. bicolor	44		
Proteaceae	Grevillea sarissa subsp. sarissa	46		
Proteaceae	Hakea lorea	47		
Rubiaceae	Pomax sp. desert (A.S. George 11968)	103		
Rubiaceae	Synaptantha tillaeacea var. tillaeacea	104		
Sapindaceae	Dodonaea petiolaris	84	у	
Sapindaceae	Dodonaea rigida	83		
Scrophulariaceae	Eremophila forrestii subsp. forrestii	29		
Scrophulariaceae	Eremophila galeata	31	у	
Scrophulariaceae	Eremophila gibsonii	23		
Scrophulariaceae	Eremophila gilesii subsp. gilesii	22		
Scrophulariaceae	Eremophila glabra subsp. Inland Salt Lakes (B. & B. Backhouse SR 191)	28	У	
Scrophulariaceae	Eremophila latrobei	30		
Scrophulariaceae	Eremophila maculata subsp. brevifolia	27	у	
Scrophulariaceae	Eremophila malacoides	19	у	
Scrophulariaceae	Eremophila miniata	26		
Scrophulariaceae	Eremophila pantonii	20		
Scrophulariaceae	Eremophila platythamnos subsp. exotrachys	21		
Scrophulariaceae	Eremophila serrulata	32		
Scrophulariaceae	Eremophila sp. Plumridge Lakes (S.G.M. Carr 534)	24		
Scrophulariaceae	Eremophila youngii	25		
Solanaceae	Solanum cleistogamum	85		
Solanaceae	Solanum lasiophyllum	86		
Stylidiaceae	Levenhookia chippendalei	75		
Stylidiaceae	Stylidium inaequipetalum	76	у	
Zygophyllaceae	Zygophyllum eremaeum	79		



5) Leucochrysum stipitatum (ASTERACEAE)

6) Waitzia acuminata (ASTERACEAE)





8) Chrysocephalum eremaeum (ASTERACEAE)



9) Rhodanthe humboldtiana (ASTERACEAE)



10) Rhodanthe charsleyae (ASTERACEAE)



11) Rhodanthe floribunda (ASTERACEAE)



12) Rhodanthe chlorocephala subsp. splendida (ASTERACEAE)



17) Streptoglossa liatroides (ASTERACEAE)

18) Olearia eremaea (ASTERACEAE)



19) Eremophila malacoides (SCROPHULARIACEAE)



20) Eremophila pantonii (SCROPHULARIACEAE)



21) Eremophila platythamnos subsp. exotrachys (SCROPHULARIACEAE)



22) Eremophila gilesii subsp. gilesii (SCROPHULARIACEAE)



23) Eremophila gibsonii (SCROPHULARIACEAE)



24) Eremophila sp. Plumridge Lakes (SCROPHULARIACEAE)



25) Eremophila youngii (SCROPHULARIACEAE)



26) Eremophila miniata (SCROPHULARIACEAE)



27) Eremophila maculata subsp. brevifolia (SCROPHULARIACEAE)



28) Eremophila glabra sp. Inland Salt Lakes (SCROPHULARIACEAE)



29) Eremophila forrestii subsp. forrestii (SCROPHULARIACEAE)



30) Eremophila latrobei (SCROPHULARIACEAE)



31) Eremophila galeata (SCROPHULARIACEAE)



32) Eremophila serrulata (SCROPHULARIACEAE)



33) Ptilotus chamaecladus (AMARANTHACEAE)



34) Ptilotus obovatus (AMARANTHACEAE)



35) Ptilotus polystachyus (AMARANTHACEAE)



36) Ptilotus aervoides (AMARANTHACEAE)



37) Brunonia australis (GOODENIACEAE)



38) Goodenia lyrata (GOODENIACEAE)



39) Goodenia centralis (GOODENIACEAE)



40) Lechenaultia striata (GOODENIACEAE)



41) Scaevola collaris (GOODENIACEAE)



42) Dampiera dentata (GOODENIACEAE)



47) Hakea lorea (PROTEACEAE)

48) Acacia pruinocarpa (FABACEAE)



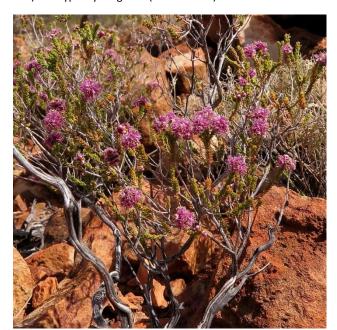
53) Kennedia prorepens (FABACEAE)

54) Senna artemisioides subsp. filifolia (FABACEAE)





57) Eucalyptus youngiana (MYRTACEAE)



59) Homalocalyx thryptomenoides (MYRTACEAE)



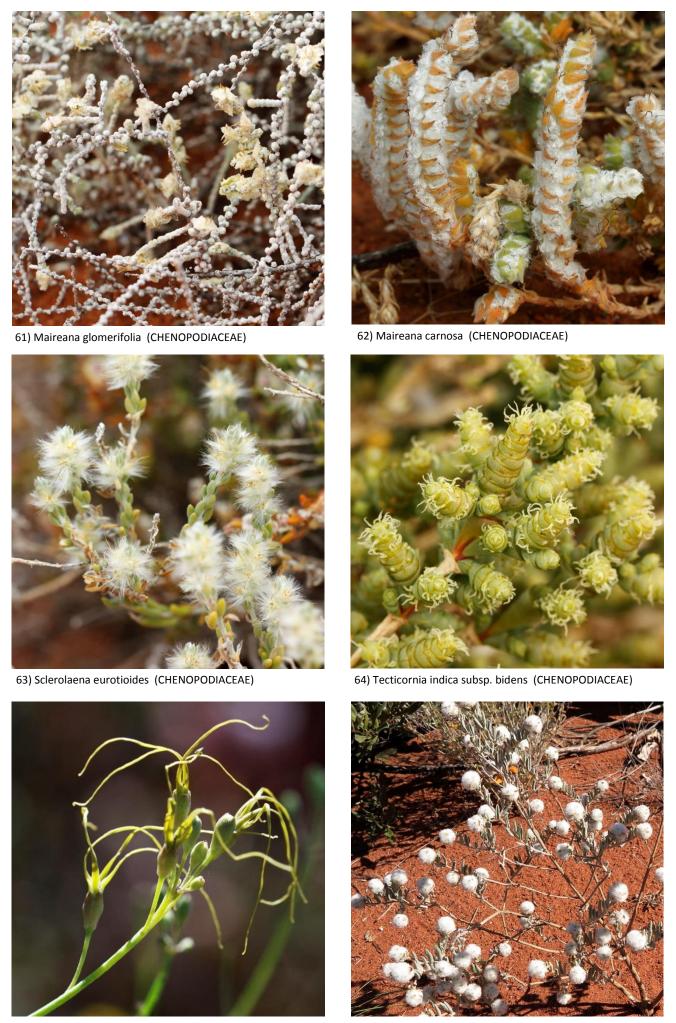
56) Acacia doreta (FABACEAE)



58) Eucalyptus gongylocarpa (MYRTACEAE)

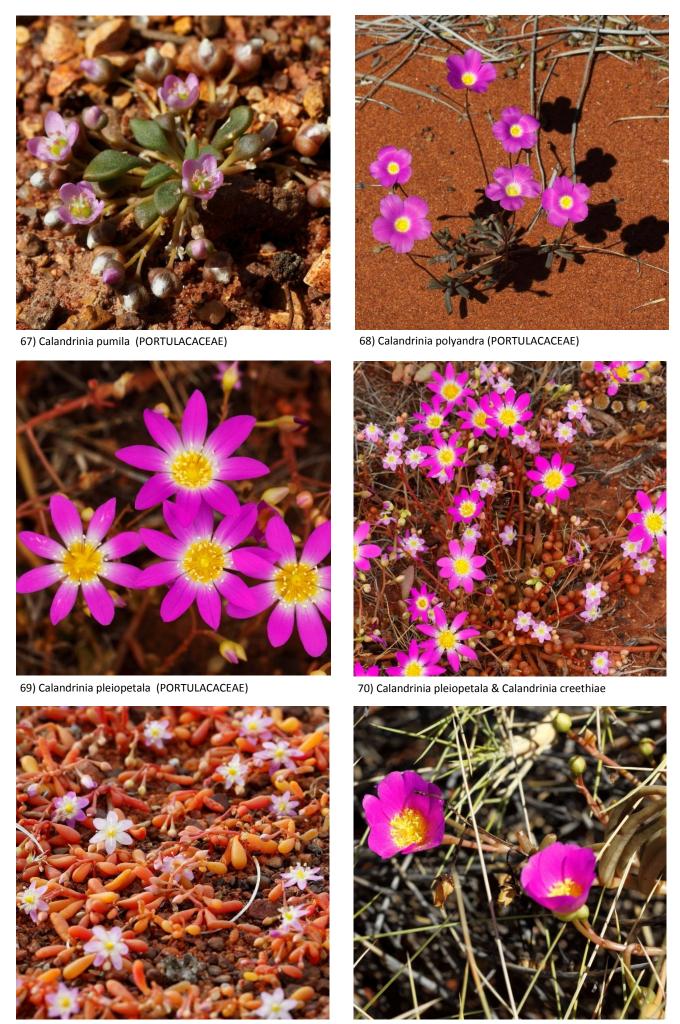


60) Micromyrtus flaviflora (MYRTACEAE)



65) Stenopetalum pedicellare (BRASSICACEAE)

66) Newcastelia cephalantha (LAMIACEAE)



71) Calandrinia creethiae (PORTULACACEAE)

72) Calandrinia balonensis (PORTULACACEAE)



73) Isotoma petraea (CAMPANULACEAE)



74) Thysanotus aff. patersonii (ASPARAGACEAE)



75) Levenhookia chippendalei (STYLIDIACEAE)



76) Stylidium inaequipetalum (STYLIDIACEAE)



77) Frankenia cinerea (FRANKENIACEAE)



78) Frankenia pauciflora (FRANKENIACEAE)



79) Zygophyllum eremaeum (ZYGOPHYLLACEAE)



80) Codonocarpus cotinifolius (GYROSTEMONACEAE)



81) Gyrostemon tepperi (GYROSTEMONACEAE)



82) Gyrostemon ramulosus (GYROSTEMONACEAE)



83) Dodonaea rigida (SAPINDACEAE)



84) Dodonaea petiolaris (SAPINDACEAE)





87) Alyogyne pinoniana var. pinoniana (MALVACEAE)



89) Lawrencia glomerata (MALVACEAE)



86) Solanum lasiophyllum (SOLANACEAE)



88) Keraudrenia velutina subsp. elliptica (MALVACEAE)



90) Sida calyxhymenia (MALVACEAE)



91) Halgania glabra (BORAGINACEAE)



92) Heliotropium curassavicum (BORAGINACEAE)



93) Lysiana murrayi (LORANTHACEAE)



94) Amyema fitzgeraldii (LORANTHACEAE)



95) Amyema hilliana (LORANTHACEAE)



96) Macgregoria racemigera (CELASTRACEAE)



101) Mimulus repens (PHYRMACEAE)

102) Eleocharis papillosa (CYPERACEAE)



103) Pomax sp. desert RUBIACEAE



105) Duperreya commixta (CONVOLVULACEAE)



104) Synaptantha tillaeacea var. tillaeacea RUBIACEAE



106) Bonamia erecta (CONVOLVULACEAE)