# THREATENED PLANT SPECIES ON ROADSIDES: KANGAROO ISLAND, SOUTH AUSTRALIA

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Cover: *Olearia microdisca*, Kangaroo Island's most endangered plant. This Kangaroo Island endemic is totally confined to roadside vegetation, with the exception of three populations on private land, and one at Kingscote aerodrome.

Title page: *Phebalium equestre* in roadside vegetation along Three Chain Road.

This page: Bridal creeper threatening a plant of *Acacia* sp. nov. aff. *halliana*, a wattle which is endangered and only known from roadside vegetation on Kangaroo Island.

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Roadside vegetation along Moores Road, bulldozed in mid 1993. A population of the nationally endangered dwarf shrub, *Phebalium equestre*, declined from 193 plants in 1989, to 20 plants in 1996 following this bulldozing.
(Photo: M. Jusaitis)

## SUMMARY

A total of 85 kms of roadsides was surveyed on foot, covering 14 roads. Twenty plant species of significance were documented along these roadsides including five nationally threatened species and eight species threatened on Kangaroo Island. Of particular importance was the discovery of 300 plants of the nationally endangered *Pultenaea insularis* on Hundred Line Road, Moores Road, Hall Road and Wheatons Road, this representing half the world's population of the species.

Significant, new populations of the nationally vulnerable *Spyridium eriocephalum* var *glabrisepalum* were also located, along with significant new populations of *Acacia acinacea* and *Eutaxia microphylla* var. *diffusa*, both of which are endangered on Kangaroo Island and largely confined to roadside vegetation on the Island.

Data from previous studies, the DENR Threatened Plant Population Database, and Adelaide Herbarium collections were accessed to determine the locations of threatened plant species for the area of Kangaroo Island not surveyed during the current study.

One hundred and forty-three roadside "Sites of Significance" were defined based on the presence of threatened species. These were mapped and described. It is recommended that these "sites" be marked with road markers, in accordance with recommendations made by the "Mount Lofty Ranges Road Marker Working Group".

A number of previously documented roadside populations of threatened species were observed to have decline. Notably, a population of nationally endangered *Phebalium equestre* alongside Moores Road declined from 193 plants in 1989, to 20 plants in 1996 following extensive bulldozing in 1993.

The most serious and widespread weeds on Kangaroo Island roadsides were found to be bridal creeper (*Myrsiphyllum asparagoides*), bridal veil (*Myrsiphyllum declinatum*), and perennial veldt grass (*Ehrharta calycina*), with Soursob (*Oxalis pes-caprae*) and phalaris (*Phalaris aquatica*) being equally serious but presently more localised. Thirty of the forty-seven roadside sites of significance surveyed during the current project had bridal creeper, four had bridal veil, twenty-six perennial veldt grass, ten soursob and fourteen had phalaris. These weeds are the highest priority for control on roadsides.

Invasion by these weeds has been greatly enhanced by the bulldozing or burning of roadside vegetation. All appear to have been spread along roadsides by the movement of contaminated soil during grading or bulldozing, and the dumping of contaminated soil into relatively undisturbed roadside native vegetation.

Due to the risk of spreading weeds, no dumping of soil in or adjacent to roadside vegetation should be undertaken. Road building material should only be stored in areas containing **no** native vegetation. Areas regenerating from past disturbance should not be used. Before grading occurs alongside high priority roadside "Sites of Significance", all mud should be washed off the grader, to ensure that no new weeds (eg Soursob) are introduced to these sites.

Where branches and foliage need to be removed from roadside "Sites of Significance" to maintain minimum adequate safety clearance, it is recommended that either a radial-arm docking saw, a hydro-axe or chainsaws be used as described below. Bulldozers should not be used at any of these sites due to the risk of introducing new weeds. Only chainsaws should be used at sites containing *Olearia microdisca*.

Priority roadside "Sites of Significance" for weed control have been determined based on the numbers of threatened species, the sizes of populations, and the degree of threat. Highest priority roads are Willsons Road, Barretts Road, Hundred Line Road, Three Chain Road and Hog Bay Road.

Within these priority "Sites", locations containing the greatest numbers of the most threatened species should be weeded first. At these locations, the five priority weeds described above should be removed first, and priority should be given to carefully removing weeds from around threatened species. Once this has been done, weeds should be removed from surrounding roadside vegetation, beginning at where the weed invasion is lightest. Only once the serious weeds have been removed from these areas, should one move to more heavily weed invaded areas.

Where possible, control of weeds should be by manual digging or hand pulling. These methods should be used where infestations are very localised and where weeds are growing in very close proximity to a significant species. Where infestations are too extensive or numerous, spot spraying should be undertaken taking care to cover adjacent native plants with plastic sheeting. Recommended rates of application are given in Robertson (1994)(see reference list).

Burning to facilitate the regeneration of successional threatened plant species should always involve an experienced field botanist and have the permission of the Resource Management Branch of the Department of Environment & Natural Resources, and the CFS. Such burning should be undertaken only over very localised areas (eg five metres x five metres), should be followed up by the intensive removal of weeds for the first few years, and be undertaken at no greater frequency than every twelve years.

The most extensive and least degraded roadside examples of the threatened plant community *Eucalyptus cneorifolia-Eucalyptus "anceps"* open-scrub were found on Min Oil Road and Willsons Road (east of Hundred Line Road), with more degraded by still significant examples on Wallers Road, Red Bank Road (west of Min Oil Road), and Gum Creek Road.

Significant examples of the endangered plant community *Eucalyptus cneorifolia-Eucalyptus rugosa* open-scrub over *Rhagodia candolleana* were observed on Emu Bay Road, Springs Road, the start of North Cape Road, and the eastern end of North Coast Road.

These roads are high priority for weed control.

The nationally vulnerable dwarf shrub, *Beyeria subtecta*, uprooted during roadworks on Willsons Road.

## INTRODUCTION

Kangaroo Island is a goldmine for botanists and other nature lovers. At least thirty-seven species or subspecies of plants are endemic to Kangaroo Island, that is they occur nowhere else in the world (Lang & Kraehenbuehl 1987). This puts Kangaroo Island in very strong position when it comes to luring the increasing numbers of tourists interested in unique eco-tourism experiences.

Fortunately many of these plants are well conserved in Flinders Chase National Park and other parks on the western end of the island. However, a number are poorly conserved in parks and are threatened.

Of all the plant species occurring on Kangaroo Island, 81 are threatened on the Island (ie vulnerable or endangered). While many of these are more common on mainland South Australia or interstate, 33 of these species are threatened at the state level, and 14 are threatened nationally. Of the 81 species that are threatened at least on Kangaroo Island, over half are not conserved in any National Park and Wildlife Service park or Heritage Agreement area (Lang & Kraehenbuehl, 1996). The conservation of these species on roadsides is particularly critical.

Roadside vegetation on Kangaroo Island is of great importance for both biodiversity and economic reasons. This particularly applies to north eastern Kangaroo Island where vegetation clearance on private land has been most extensive, and where many significant plant species are largely confined to roadsides.

Particularly important for threatened plant species is the area between American River, Cygnet River and D'Estrees Bay. Due to the complex nature of the soils, several of the plant species occurring in this area are very localised in distribution. For example, both the Scrambling bush pea (*Pultenaea insularis*) and Kangaroo Island phebalium (*Phebalium equestre*) have total ranges on the island of only eight kilometres. Both plants are endemic to the island and are listed as nationally endangered (Briggs & Leigh, 1996).

The relatively unmodified nature of Kangaroo Island's roadside vegetation is a major drawcard for tourists. However, the relatively intact nature of this vegetation compared to, say, that on roadsides in the Adelaide Hills, is not due to its more resilient nature, but to the more recent development of the Island: the vast majority of Kangaroo Island was uncleared prior to World War II. Since the early 1980s when the author began documenting threatened plants on roadsides on the Island (see Davies 1986), roadside vegetation has become noticeably more weed invaded and fragmented.

The Hog Bay Road between the Hundred Line Road and Three Chain Road is a good example of this decline. This 17 kilometre section of roadside vegetation contains the greatest known concentration of significant flora of any road in South Australia: two nationally endangered species (*Olearia microdisca* and *Phebalium equestre*), two nationally vulnerable taxa (*Beyeria subtecta* and *Spyridium eriocephalum* var. *glabrisepalum*), two nationally rare species (*Grevillea muricata* and *Prostanthera chlorantha*), a threatened plant community (*Eucalyptus cneorifolia-Eucalyptus* "*anceps*" open-scrub), and a number of species threatened at the state or regional level (eg *Loxocarya fasciculata* and *Cyphanthera myosotidea*).

Past management of this roadside vegetation (especially over the past 12 years) has had a major impact on its viability, despite it being much wider than normal. Tracks have been bulldozed in this vegetation parallel to the road, slash pushed deep into the vegetation, drainage lines extensively bulldozed, and large areas of vegetation totally removed to create sites for the temporary stockpiling of road building material. One such stockpiling area was bulldozed into an adjacent area of privately owned native vegetation containing threatened plant species, an area that is now under Heritage Agreement.

Soil contaminated with weed seeds and other propagules brought from other areas has also been dumped into roadside vegetation at several locations along this road. A recent example of this dumping (apparently during 1996) indicates that this practice is continuing.

This clearance, along with the dumping of contaminated soil, has greatly facilitated the invasion by perennial veldt grass, phalaris, and soursob, and has resulted in serious erosion in one location. Bulldozing has resulted both in the import of weed propagules and the creating of disturbed sites favoured by such weeds. Also of great concern is the spread of bridal creeper along Hog Bay Road. These weeds threaten to replace the native vegetation, including populations of the above mentioned threatened species.

Without minimisation of disturbance and pro-active management of roadside vegetation by local government and community groups, the prognosis for much of the Island's most important roadside vegetation is grim. However, the population of Kangaroo island is small and resources for the care of roadside vegetation are thus very limited.

Therefore, resources need to be targeted towards roadside vegetation of the greatest significance. This need gave rise to the present study.

## AIM

The aim of this study was to map and describe sites of significance for threatened plant species, on Kangaroo Island roadsides. The study also aimed to provide management advice for these significant roadsides, in particular concerning vegetation removal for road maintenance and safety reasons, and weed control. It further aimed to set priorities for the active management of these significant roadsides.

## METHODS

Due to time limitations, this project targeted the part of Kangaroo Island containing both the plant species under greatest threat, and the greatest concentration of threatened species: the area between American River, Cygnet River and D'Estrees Bay.

Most road verges in this area were walked between 16 June and 18 August 1996, searches being made for all plant species listed by Lang and Kraehenbuehl (1996) as "**endangered**", "**vulnerable**", "**threatened**", or "**poorly known but likely to be threatened or rare**" at the **national**, **state** and **regional** levels. Searches were also made for species listed as **rare** at the **national** and **state** levels.

For all such species, numbers of plants were counted at one hundred metre intervals, and distances of plants from the road verge recorded. Observed past and present impacts were also recorded for each population, including the presence of serious environmental weeds in the near vicinity.

Collections were made of significant species for each road, these being housed in the Adelaide Herbarium.

For the remainder of Kangaroo Island's roadsides, insufficient time was available to undertake searches during the current project. Instead, data from previous studies (Davies, 1986, 1992), the DENR Threatened Plant Population Database (see Davies & Reynolds 1995), and Adelaide Herbarium collections were accessed to determine sites of significance for threatened plant species. Also, Kangaroo Island botanist Bev Overton was subcontracted to provide information based on her extensive surveys over the last decade.

Roadside "Sites of Significance" were defined based on the presence of threatened species. These were mapped and described. Priorities for weed control on roadside "Sites of Significance" were determined based on the numbers of threatened species, the sizes of populations, and the degree of threat.

## RESULTS

A total of 85 kms of roadsides were surveyed on foot, covering 14 roads. Since all roads had two verges, this totalled 170 kms of road verge. Twenty plant species of significance were documented along these roadsides including five nationally threatened species and eight species threatened on Kangaroo Island.

Roadside "Sites of Significance" for threatened species are described in **Appendices One and Two**. Each "Site" has been allocated a unique "site number".

**Appendix One** describes sites KIC1 to KIC47, and is based on data collected during the current project. Raw data is presented in **Appendix Three**. Populations described in this appendix were in existence in winter 1996 and locations are described to an accuracy of a hundred metres. Given the greater viability of larger areas of vegetation, and the need for retaining buffer zones around populations, stretches of roadside containing disjunct populations of significant species, separated by a few hundred metres of roadside vegetation **not** containing any significant species, have been included in the **same** "Site of Significance", rather than being defined as separate "Sites".

**Appendix Two** describes "Sites" KIC48 to KIC142, and is based on data from previous surveys and herbarium collections. This information is up to 15 years old and thus populations described are not necessarily still in existence. Location descriptions of populations vary in accuracy. For this reason, in some cases defined "Sites of Significance" are possibly significantly longer than the population they contain, defined in this manner to ensure they include the

population. Similarly, where no information is available on which side of the road a population occurs, both sides of the road have been described as significant for the same reason.

"Sites of Significance" have been digitised on to computer at the Geographic Analysis & Research Section of the Department of Housing & Urban Development. The resulting map is enclosed in this report. Larger versions are available from this department.

The most important find of the study was previously unrecorded populations of the nationally endangered scrambling bush pea (*Pultenaea insularis*). This Kangaroo Island endemic was first discovered in 1991 by Kangaroo Island botanist Bev Overton (together with botanists Rosemary Taplin and Denzel Murfet) in Beyeria Conservation Park. Previous to 1996, only one population of this species was known in the world, consisting of 300 plants growing in a small area at the edge of this park.

The current survey has extended *Pultenaea insularis*' range to Hundred Line Road, Moores Road, Hall Road and Wheatons Road, a range of eight kilometres. These roads contain 300 plants, ie half the world's population of the species. This species is still considered endangered, all these roadside populations being threatened by bridal creeper, perennial veldt grass and bulldozing.

Significant, new populations of the nationally vulnerable *Spyridium eriocephalum* var *glabrisepalum* were also located, along with significant new populations of *Acacia acinacea* and *Eutaxia microphylla* var. *diffusa*, both of which are endangered on Kangaroo Island and largely confined to roadside vegetation on the Island.

Important examples of the threatened plant communities *Eucalyptus cneorifolia- Eucalyptus "anceps"* open-scrub and *Eucalyptus cneorifolia-Eucalyptus rugosa* open-scrub were observed on several roads surveyed (see MANAGEMENT RECOMMENDATIONS).

Of alarm was the decline of a number of previously documented roadside populations of threatened species. For example, 193 plants of the nationally endangered dwarf shrub *Phebalium equestre* were counted alongside Moores Road in 1989 (M. Jusaitis, pers. comm.). Following extensive bulldozing in mid 1993, only twenty plants remained when surveyed in 1996.

**TABLE 1: KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: PRIORITIES FOR MANAGEMENT**
**(NB. See Appendix 1 for more detailed location descriptions)**

| | | | | Number of significant species[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nationally significant | | | Regionally significant | | |
| Priority | Site no. | Location | Side of road | E | V | R | E | V | K |
| 1A | KIC14 | Willsons Rd | North | | **2** | **1**+2 | 1[2] | | **1**+2+2 |
| 1A | KIC15 | Willsons Rd | South | | **1**+1 | **1**+2 | 1[2] | | **2**+2+1 |
| 1A | KIC27 | Barretts Rd | North | 1 | | *1* | *1*[2] | *1* | 1 |
| 1A | KIC28 | Barretts Rd | South | **1** | | *1* | *1*[2] | | *1* |
| 1A | KIC35 | Hd Line Rd | East | **1** | | | | | *2* |
| 1A | KIC36 | Hd Line Rd | West | **1** | | | | | *1* |
| 1A | KIC43 | 3 Chain Rd | North | **1** | | | | **1** | *1* |
| 1A | KIC44 | 3 Chain Rd | South | **1** | 1 | | | **1** | *1* |
| 1A | KIC76 | Hog Bay Rd | North&south | 1 | | 1 | 1[2]+*1* | | 1 |
| 1A | KIC81 | Hog Bay Rd | North&south | **1** | **1**+*1* | *1?* | | | *1* |
| 1A | KIC82 | Hog Bay Rd | North&south | **1** | **1**+*1* | *1?* | *1* | | *1?* |

[1] Numbers underlined & bold (eg "**2**") indicate the number of species with population sizes of more than 100 plants
Numbers in bold (eg "**2**") indicate the number of species with population sizes of 31 to 100 plants
Numbers in normal print (eg "2") indicate the number of species with population sizes of 11 to 30 plants
Numbers in italics (eg "*2*") indicate the number of species with population sizes of 1 to 10 plants

[2] Species which are nationally rare **and** endangered on Kangaroo Island have been entered under both categories in this table

**TABLE 1 (continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: PRIORITIES FOR MANAGEMENT.**
**(NB. See Appendix 1 for more detailed location descriptions)**

| Priority | Site no. | Location | Side of road | Number of significant species[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nationally significant | | | Regionally significant | | |
| | | | | E | V | R | E | V | K |
| 1B | KIC1 | Min Oil Rd | North | | 1 | | 2 | | **1** |
| 1B | KIC2 | Min Oil Rd | South | | *1* | | **2** | | **1**+1 |
| 1B | KIC3 | Wallers Rd | East | | **1**+*1* | 1 | *1* | | **1**+**2**+1+*1* |
| 1B | KIC4 | Wallers Rd | West | | **1**+*1* | *1* | | | **1**+*2* |
| 1B | KIC5 | Red Banks Rd | South | | **1**+*1* | *1* | **1**+1 | | 1+*1* |
| 1B | KIC6 | Red Banks Rd | North | | **1** | | **1**+1 | | 1+*2* |
| 1B | KIC18 | Halls Rd | East | *1* | **1** | *2* | **1** | *1* | *4* |
| 1B | KIC19 | Halls Rd | West | *1* | **1** | *1* | 1 | *1* | *4* |
| 1B | KIC22 | Moores Rd | North | 1 | | *1* | | | |
| 1B | KIC23 | Moores Rd | South | **1** | | *1* | | | *1* |
| 1B | KIC29 | Hd Line Rd | East | *1* | *1* | 1+*2* | | **1** | **1**+*1* |
| 1B | KIC30 | Hd Line Rd | West | *1* | *1* | **1**+1+*1* | $1^2$ | **1** | **1**+*3* |
| 1B | KIC31 | Hd Line Rd | East | | | 2 | $1^2$+*1* | | *1* |
| 1B | KIC32 | Hd Line Rd | West | | *2* | 1+*1* | $\mathbf{1}^2$+*1* | | 2 |
| 1B | KIC33 | Hd Line Rd | East | *1* | *1* | 1+*1* | **1**+*1* | | *2* |
| 1B | KIC34 | Hd Line Rd | West | *1* | *1* | 1+*2* | $4^2$ | *1* | 1 |
| 1B | KIC39 | Sth Coast Rd | East | | | **1** | $\mathbf{1}^2$ | | 1+*1* |
| 1B | KIC40 | Sth Coast Rd | West | | | **1** | $\mathbf{1}^2$+*1* | | 1 |
| 1B | KIC84 | Hog Bay Rd | North | | **1**+*1* | | | | |
| 2 | KIC10 | Boundary Rd | East | | 1 | | | *1* | 1+*1* |
| 2 | KIC11 | Boundary Rd | West | *1* | **1** | | *1* | | **1**+*1* |
| 2 | KIC20 | Moores Rd | North | *1* | **1** | *1* | *1* | | *1* |
| 2 | KIC21 | Moores Rd | South | 1 | **1** | | | *1* | 1+*1* |
| 2 | KIC45 | 3 Chain Rd | North | | | **1**+1 | $1^2$ | | *1* |
| 2 | KIC46 | 3 Chain Rd | North | | | **1**+*1* | $1^2$ | | *1* |
| 3 | KIC7 | Red Banks Rd | North | | | | *2* | | *1* |
| 3 | KIC8 | Red Banks Rd | South | | | | 1+*1* | | *1* |
| 3 | KIC9 | Pt Morrison Rd | North | | | | *1* | | |
| 3 | KIC12 | Rd reserve off | South | | 1 | 1 | | | |
| 3 | KIC13 | Boundary Rd | North | | | *1* | | | |
| 3 | KIC16 | Willsons Rd | North | | *1* | | | | *2* |
| 3 | KIC17 | Willsons Rd | South | | *1* | *1* | | | |
| 3 | KIC24 | Milkys Rd | East | | | | | 1 | |
| 3 | KIC25 | Milkys Rd | East | | | *1* | | *1* | *1* |
| 3 | KIC26 | Milkys Rd | West | | | | | *1* | 1 |
| 3 | KIC37 | Sth Coast Rd | East | | | **1** | | | |
| 3 | KIC38 | Sth Coast Rd | West | | | **1**+*1* | | | |
| 3 | KIC41 | Starr Rd | North | | | **1** | | 1 | *1* |
| 3 | KIC42 | Starr Rd | South | | | **1** | | **1** | *1* |
| 3 | KIC47 | Wheatons Rd | South | *1* | | | | | |

[1] Numbers underlined & bold (eg "**2**") indicate the number of species with population sizes of more than 100 plants
Numbers in bold (eg "**2**") indicate the number of species with population sizes of 31 to 100 plants
Numbers in normal print (eg "2") indicate the number of species with population sizes of 11 to 30 plants
Numbers in italics (eg "*2*") indicate the number of species with population sizes of 1 to 10 plants

[2] Species which are nationally rare **and** endangered on Kangaroo Island have been entered under both categories in this table

## MANAGEMENT RECOMMENDATIONS

### 1. WEED CONTROL

#### *PRIORITY AREAS*

The most serious weeds threatening each roadside "Sites of Significance" are listed in **Appendices One and Three.**

Priorities for weed control on roadsides, based on the numbers of threatened species, the sizes of populations, and extent of weed invasion, are given in **Table 1**. These are only given for roadsides surveyed during the current project. Inadequate data exists for most sites in **Appendix Two** to rank their relative importance. The more detailed surveying of these roadsides is of high priority.

**Table 1** categorises roadsides "Sites of Significance" into four categories:

- **Priority 1A** "Sites" contain a significant percentage of the total world population of a nationally threatened species. The maintenance of these populations is essential to prevent these species becoming totally extinct in the wild.
- **Priority 1B** "Sites" mostly contain large populations of species that are endangered on Kangaroo Island and largely confined to roadsides on the Island, but which are more common on the mainland. The maintenance of these sites is essential for the survival of these species on Kangaroo island. Sites containing smaller but still viable populations of nationally endangered species are also included in this category.
- **Priority 2** "Sites" contain small populations of species that are nationally threatened, or endangered at the regional level. Priority 1A and 1B should be targeted before these sites because they contain much larger populations of the same species.
- **Priority 3** "Sites" generally contain only nationally rare species that are adequately conserved elsewhere on the island, or very small populations of regionally threatened species. Sites that contain a solitary nationally threatened species in a heavy sward of weeds are included in this category. These sites are much lower priorities than those in the above categories.

#### *PRIORITY WEEDS*

The most serious and widespread weeds on Kangaroo Island roadsides are bridal creeper (*Myrsiphyllum asparagoides*), bridal veil (*Myrsiphyllum declinatum*), and perennial veldt grass (*Ehrharta calycina*). Soursob (*Oxalis pes-caprae*) and phalaris (*Phalaris aquatica*) are equally serious but presently more localised. All of these species are capable of totally replacing native ground flora, and have already done so on many roadsides on the island. Thirty of the forty-seven roadside sites of significance surveyed during the current project had bridal creeper, four had bridal veil, twenty-six perennial veldt grass, ten soursob and fourteen had phalaris.

Both bridal creeper and bridal veil seeds are transported by birds and these species are thus able to invade previously undisturbed native vegetation. Very few roads on the eastern end of the island are totally free of bridal creeper, and some roads now have very heavy infestations (Ball 1993). Ball hypothesises that the drift of fertilisers from adjacent paddocks has increased the suitability of roadsides for bridal creeper.

In comparison, bridal veil is presently confined to an area of only seven kilometres' radius centred on Wheatons Road on Kangaroo Island (Ball 1996). However, the ability of this species to smother native ground species is illustrated by its spread along Wheatons Road where it forms extensive dense mats. Disjunct outbreaks along Moores Road indicate that the species is still spreading.

Perennial veldt grass is a serious weed of native vegetation on sandy soils on the Island. Invasion by this weed is greatly enhanced by the bulldozing (eg Moores Road) or burning (eg Hog Bay Road) of roadside vegetation. Phalaris is chiefly a weed of areas subject to seasonal waterlogging and also readily invades disturbed sites. Both these grasses appear to have been spread along roadsides by the movement of contaminated soil during grading or bulldozing. The dumping of contaminated soil into relatively undisturbed roadside native vegetation has also greatly facilitated the spread of these weeds (eg along Hog Bay Road).

Soursob is now a serious weed in roadside vegetation along the Playford Highway near Kingscote. This species does not produce viable seeds on Kangaroo Island and reproduces vegetatively by producing bulbs. This weed has recently been spread along Willsons Road by graders, and along Hog Bay Road by the dumping of contaminated soil.

**At the present rate of spread, invasion of their remaining habitat by these five weed species alone could result in the total extinction of *Olearia microdisca*, *Pultenaea insularis* and *Phebalium equestre* in the next few decades, in the absence of targeted weed control programs.**

*CONTROL METHODS*

Locations containing the greatest numbers of the most threatened species (see Appendix 3) should be weeded first. At these locations, the five priority weeds described above should be removed first, and priority should be given to carefully removing weeds from around threatened species. Once this has been done, weeds should be removed from surrounding roadside vegetation, beginning at where the weed invasion is lightest. Only once the serious weeds have been removed from these areas should one move to more heavily weed invaded areas.

Where possible, control of weeds should be by manual digging or hand pulling. These methods should be used where infestations are very localised and where weeds are growing in very close proximity to a significant species.

Where infestations are too extensive or numerous, spot spraying should be undertaken taking care to cover adjacent native plants with plastic sheeting. Recommended rates of application are given in Robertson (1994)(see reference list).

Debate exists as to the most desirable method of controlling bridal creeper in bushland. Ball (1993) recommends Brushoff (Metsulfuron-Methyl) at 5-10gms/100 litres of water with a wetting agent (pulse or BS1000) and an application rate of 25-50gms/Ha. Ball claims that a 90-95% kill rate can be achieved on Kangaroo Island with this method and "collateral damage to native species is not a major problem where sufficient care is exercised".

However, concern has been expressed by other bushland weeding experts (eg Enid Robertson) about the effect of Brushoff on non target native species, this herbicide being residual and remaining active in the soil for a period of time after application.

Robertson (1994) recommends instead the use of Glyphosate 360g/L (1:100 in water) this herbicide becoming de-activated on contact with soil. Ball (1993), on the other hand, claims that this method results in "only 65% mortality" on Kangaroo Island. In comparison, bushland regenerators at Millbrook Reservoir in the Adelaide Hills claim to have had near-to-complete mortality with Glyphosate 360g/L (1:50 in water), with little effect on adjacent native vegetation (P. & P. Clark, pers. comm.).

Clearly, quantitative research is required on Kangaroo Island, comparing efficacy for bridal creeper, and effect on native understorey species (including geophytes), of both herbicides at various rates. This should be undertaken at locations where no threatened species occur.

## 2. CLEARANCE OF ROADSIDE VEGETATION FOR SAFETY REASONS

**Where branches and foliage need to be removed from roadside "Sites of Significance" to maintain minimum adequate safety clearance, it is recommended that either a radial-arm docking saw, a hydro-axe or chainsaws be used as described below. Bulldozers should not be used at any of these sites due to the risk of introducing new weeds.**

Where sites contain *Olearia microdisca* (sites KIC11, KIC29, KIC30, KIC72-74, KIC76, KIC81, KIC83, KIC97-98, KIC100, KIC141), **only chainsaws should be used**. Care should be taken to avoid damaging any of the *Olearia microdisca* bushes, since this species is unable to reshoot from the base if cut down.

At all other sites **either a radial-arm docking saw, a hydro-axe or chainsaws** can be used, since the threatened species in question are able to regenerate from the base. Where possible, this disturbance should be at no greater frequency than every twelve years, to allow significant species to regenerate adequately to produce seeds.

**It is recommended that the starts and finishes of all "Sites of Significance" be marked with road markers, in accordance with recommendations made by the "Mount Lofty Ranges Road Marker Working Group".** This will assist roadworkers in recognising these "sites" when undertaking road works.

## 3. REGENERATION OF SUCCESSIONAL SPECIES

Several of the threatened plant species occurring on Kangaroo Island roadsides require periodic disturbance for the longer term survival of populations.

This particularly applies to the small-flowered daisy bush (*Olearia microdisca*), probably the most endangered of Kangaroo Island's endemic plants. Other than scattered plants on roadsides, this bush survives in only four locations, the largest population at Kingscote Aerodrome, and the others on privately owned land (including one in a Heritage Agreement area). Three of the largest populations of this species have experienced 90% decreases in the numbers of plants in the last ten years.

Without fires or disturbance, populations of *Olearia microdisca* begin to senesce after ten to fifteen years. However, the plant only regenerates from seed, so too frequent disturbance will destroy a population by not allowing plants to mature sufficiently to produce adequate seed. Insensitive disturbance can also threaten the species by encouraging heavy weed invasion. Burning or bulldozing vegetation can also threaten the species by resulting in a rising saline watertable, where it occurs in creek line vegetation. Thus the survival of this species, including on roadsides, requires active but careful management.

Due to these risks, disturbance for regeneration purposes should only be undertaken in very localised areas (eg five metres x five metres) by the manual cutting of trees and shrubs to build bonfires, and the construction of surrounding firebreaks using rakehoes. Following the burning of these bonfires, intensive removal of weeds such as veldt grass will need to be undertaken for the first few years, since the increased nutrients in the soil and the absence of competition will otherwise favour weed invasion from adjacent paddocks. Such burns will need to be undertaken in consultation with, and with the permission of, the Resource Management Branch of the Department of Environment & Natural Resources, and the CFS. Burns should be no more frequent than every twelve years. Such activities will require the active involvement of an experienced field botanist, who can provide advice on which species are weeds and which are natives.

## 4. ROAD MAINTENANCE ACTIVITIES

Due to the risk of spreading weeds, no dumping of soil in or adjacent to roadside vegetation should be undertaken. Road building material should only be stored in areas containing **no** native vegetation. Areas regenerating from past disturbance should not be used.

Before grading occurs alongside Priority 1A, 1B and 2 (see Table 1) roadside "Sites of Significance", all mud should be washed off the grader, to ensure that no new weeds (eg Soursob) are introduced to these sites.

## 5. THREATENED PLANT COMMUNITIES

Davies (1982) refers to *Eucalyptus cneorifolia-Eucalyptus rugosa* and/or *Eucalyptus dumosa* ssp. *conglobata* open-scrub as being not conserved, and very rare and endangered in South Australia.

In the update of this report, Neagle (1995), this community was renamed as *Eucalyptus cneorifolia*, *Eucalyptus rugosa* and/or *Eucalyptus "anceps"* or *Eucalyptus conglobata* open-scrub due to taxonomic changes. Neagle reclassified this community as moderately conserved.

Further study of this plant community "complex" indicates that it consists of three very distinct plant communities:

1. ***Eucalyptus cneorifolia- Eucalyptus "anceps"*** **open-scrub** occurs on gilgai or "crab hole" soils, in areas characterised by numerous depressions and cracks resulting from the pronounced expansion and contraction of these very fine clays. The community largely occurs in the lower Cygnet River catchment and on the Macgillivray Plateau. Where best developed, the understorey is dominated by *Melaleuca gibbosa*, *Callistemon rugulosus* and *Chorizandra enodis*, although *Dodonaea baueri* is a more frequent character species. This community provides an important habitat for a significant number of plant species threatened at the national or regional level: *Olearia microdisca*, *Spyridium eriocephalum* var. *glabrisepalum*, *Acacia* sp. nov. aff. *halliana*, *Acacia acinacea*, *Prostanthera chlorantha,* and *Eutaxia microphylla* var. *diffusa.* This community is only conserved in Beyeria Conservation Park and an adjacent Heritage Agreement area. In both these areas the community is only localised, being largely confined to the north eastern corner and central western edge of the park and the southern extremity of the Heritage Agreement area. Both areas do not conserve most of the above mentioned significant species that occur elsewhere in this community. This community is otherwise now largely confined to roadsides, where it has been significantly depleted by bulldozing and weed invasion. It is therefore considered to be **poorly conserved** and **threatened**.

2. ***Eucalyptus cneorifolia-Eucalyptus rugosa*** **open-scrub over** ***Rhagodia candolleana*** is locally common on roadside between Kingscote and Emu Bay. It chiefly occurs on soils derived from Carboniferous-Permian deposits (Belperio and Flint, 1992). This community is the main habitat for *Eremophila glabra*, which is endangered on Kangaroo Island. The community is **not conserved** in any parks or Heritage Agreement areas, and is now largely confined to roadsides where it has been significantly depleted by bulldozing and weed invasion. It is therefore considered to be **endangered**.

3. ***Eucalyptus cneorifolia-Eucalyptus rugosa*** **open-scrub over sheet limestone** is **moderately conserved** in Dudley Conservation Park and several Heritage Agreement areas (Neagle 1995). This community is an ecotone between *Eucalyptus cneorifolia* open-scrub and *Eucalyptus rugosa* open-scrub and has an understorey that is very similar to the latter community, which is reasonably conserved (Neagle 1995).

The most extensive and least degraded roadside examples of ***Eucalyptus cneorifolia- Eucalyptus "anceps"*** **open-scrub** were found on **Min Oil Road** and **Willsons Road (east of Hundred Line Road)**, with more degraded by still significant examples on **Wallers Road, Red Bank Road (west of Min Oil Road)**, and **Gum Creek Road**.

Significant examples of ***Eucalyptus cneorifolia-Eucalyptus rugosa*** **open-scrub over** ***Rhagodia candolleana*** occur on **Emu Bay Road, Springs Road, the start of North Cape Road**, and the **eastern end of North Coast Road**.

**Weed control is a high priority on these roads.**

## CONCLUSIONS

Kangaroo Island contains some of the most significant roadside vegetation for threatened plant species in South Australia. However, these roadsides are being rapidly degraded by weed invasion and fragmentation. Minimum impact road maintenance practices are essential, since "prevention is always better than cure" with regards to weed invasion. Contractors, council workers and the general public must be reminded of the risks of spreading weeds in soil or on muddy equipment. The need to minimise soil disturbance when working in roadside vegetation also needs to be stressed.

Given the threat that weeds pose to roadside population of threatened species and threatened plant communities, a greater emphasis must be given by community groups to the weeding of existing high priority areas of vegetation. Government departments and granting bodies need to further encourage and support such activities.

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**APPENDIX 1: KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DETERMINED FROM DATA COLLECTED DURING CURRENT SURVEY**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 1 | Min Oil Rd | North | 0 to 2.8 kms from Red Banks Rd; 0 to 9 metres from verge | *Spyridium eriocephalum* var. *glabrisepalum* | 22 | Nationally vulnerable | Bu,(P) |
| | | | | *Acacia acinacea* | 24 | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 14 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 162 | Poorly known but likely to be threatened or rare on KI | |
| KIC 2 | Min Oil Rd | South | 0 to 2.4 kms from Red Banks Rd; 0 to 12 metres from verge | *Spyridium eriocephalum* var. *glabrisepalum* | 6 | Nationally vulnerable | Bu,(Bc) (P) |
| | | | | *Acacia acinacea* | 37 | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 55 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 156 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Logania linifolia* | 14 | | |
| KIC 3 | Wallers Rd | East | 0 to 2.4 kms from Hog Bay Rd; 0 to 8 metres from verge | *Beyeria subtecta* | 164 | Nationally vulnerable | V,Bc Bu |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 8 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 29 | Nationally rare | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 4 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 120 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Dodonaea hexandra* | 1 | | |
| | | | | *Eremophila behriana* | 54 | | |
| | | | | *Lomandra micrantha ssp. micrantha* | 37 | | |
| | | | | *Logania linifolia* | 22 | | |
| KIC 4 | Wallers Rd | West | 0 to 2.9 kms from Hog Bay Rd; 0 to 7 metres from verge | *Beyeria subtecta* | 251 | Nationally vulnerable | V,Bc Bu |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 2 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 6 | Nationally rare | |
| | | | | *Dodonaea baueri* | 104 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Lomandra micrantha ssp. micrantha* | 3 | | |
| | | | | *Logania linifolia* | 2 | | |
| KIC 5 | Red Banks Rd | South | 0 to 6.9 kms from Hog Bay Rd; 0 to 9 metres from verge | *Beyeria subtecta* | 100 | Nationally vulnerable | V,Bc Bu |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 2 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 5 | Nationally rare | |
| | | | | *Acacia acinacea* | 56 | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 2 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 65 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Lomandra micrantha ssp. micrantha* | 2 | | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 1 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DETERMINED FROM DATA COLLECTED DURING CURRENT SURVEY**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 6 | Red Banks Rd | North | 0 to 7.1 kms from Hog Bay Rd; 0 to 9 metres from verge | *Beyeria subtecta* | 72 | Nationally vulnerable | V,Bc Bu,(P), (G),(Sa) |
| | | | | *Acacia acinacea* | 57 | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 13 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 23 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 8 | | |
| | | | | *Logania linifolia* | 4 | | |
| KIC 7 | Red Banks Rd | North | 0 to 3.8 from Point Morrison Rd; 1 to 9 metres from verge | *Acacia acinacea* | 1 | Endangered on KI | Bc,Bu,P |
| | | | | *Eutaxia microphylla* var. *diffusa* | 2 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 5 | Poorly known but likely to be threatened or rare on KI | |
| KIC 8 | Red Banks Rd | South | 0 to 3.7 kms from Point Morrison Rd; 0 to 9 metres from verge | *Acacia acinacea* | 16 | Endangered on KI | Bc,Bu |
| | | | | *Eutaxia microphylla* var. *diffusa* | 7 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 1 | Poorly known but likely to be threatened or rare on KI | |
| KIC 9 | Point Morrison Rd | North | 1.3 to 1.4 kms from Red Banks Rd | *Eutaxia microphylla* var. *diffusa* | 1 | Endangered on KI | Bu |
| KIC 10 | Boundary Rd | East | 0 to 6.5 kms from Hog Bay Rd 0 to 6metres from verge | *Beyeria subtecta* | 39 | Nationally vulnerable | Bc,Bu (P) |
| | | | | *Cyphanthera myosotidea* | 3 | Vulnerable on KI | |
| | | | | *Dodonaea baueri* | 27 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Logania linifolia* | 4 | | |
| KIC 11 | Boundary Rd | West | 0 to 6.5 kms from Hog Bay Rd 0 to 5metres from verge | *Olearia microdisca* | 1 | Nationally endangered | Bc,Bu (P),(S) |
| | | | | *Beyeria subtecta* | 39 | Nationally vulnerable | |
| | | | | *Acacia acinacea* | 2 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 40 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 7 | | |
| KIC 12 | Road reserve off Boundary Rd | South | Commencing 3km north of Hog Bay Rd, continuing east for 400m | *Beyeria subtecta* | 28 | Nationally vulnerable | Bu |
| | | | | *Grevillea muricata* | 12 | Nationally rare | |
| KIC 13 | Road reserve off Boundary Rd | North | Commencing 3km north of Hog Bay Rd, continuing east for 200m | *Grevillea muricata* | 1 | Nationally rare | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 1 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DETERMINED FROM DATA COLLECTED DURING CURRENT SURVEY**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 14 | Willsons Rd | North | 0 to 6.2 kms from Hog Bay Rd 0 to 15metres from verge | *Beyeria subtecta* | 1750 | Nationally vulnerable | V,Bc Bu,(R) (S) |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 800 | Nationally vulnerable | |
| | | | | *Acacia* sp. nov. aff. *halliana* | 14 | Nationally rare; endangered on KI | |
| | | | | *Grevillea muricata* | 1299 | Nationally rare | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| | | | | *Dodonaea baueri* | 1004 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Dodonaea hexandra* | 22 | | |
| | | | | *Eremophila behriana* | 14 | | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 59 | | |
| | | | | *Logania linifolia* | 85 | | |
| KIC 15 | Willsons Rd | South | 0 to 6.2 kms from Hog Bay Rd 0 to 8 metres from verge | *Beyeria subtecta* | 550 | Nationally vulnerable | V,Bc Bu,(P) (R),(S) |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 12 | Nationally vulnerable | |
| | | | | *Acacia* sp. nov. aff. *halliana* | 12 | Nationally rare; endangered on KI | |
| | | | | *Grevillea muricata* | 271 | Nationally rare | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| | | | | *Dodonaea baueri* | 172 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Dodonaea hexandra* | 3 | | |
| | | | | *Eremophila behriana* | 28 | | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 359 | | |
| | | | | *Logania linifolia* | 16 | | |
| KIC 16 | Willsons Rd | North | 0 to 0.5 kms west from Hd Line Rd; 2 to 4 metres from verge | *Beyeria subtecta* | 1 | Nationally vulnerable | Bu,Bc |
| | | | | *Dodonaea baueri* | 3 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 1 | | |
| KIC 17 | Willsons Rd | South | 0 to 0.2 kms west from Hd Line Rd; 1 to 4 metres from verge | *Beyeria subtecta* | 17 | Nationally vulnerable | Bc |
| | | | | *Grevillea muricata* | 4 | Nationally rare | |
| KIC 18 | Halls Rd | East | 0 to 2.7 kms from Hog Bay Rd; 0 to 8 metres from verge | *Pultenaea insularis* | 1 | Nationally endangered | V,Bc Bu,(S) (Sa),(P) |
| | | | | *Beyeria subtecta* | 128 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 2 | Nationally rare | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | 1 | Nationally rare | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 42 | Endangered on KI | |
| | | | | *Daviesia arenaria* | 1 | Vulnerable on KI | |
| | | | | *Dodonaea baueri* | 4 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Dodonaea hexandra* | 1 | | |
| | | | | *Eremophila behriana* | 3 | | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 1 | | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 1 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DETERMINED FROM DATA COLLECTED DURING CURRENT SURVEY**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 19 | Halls Rd | West | 0.2 to 2.8 kms from Hog Bay Rd; 0 to 9 metres from verge | *Pultenaea insularis* | 10 | Nationally endangered | V,Bc Bu,(S) (P),(G) |
| | | | | *Beyeria subtecta* | 197 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 5 | Nationally rare | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 16 | Endangered on KI | |
| | | | | *Daviesia arenaria* | 2 | Vulnerable on KI | |
| | | | | *Dodonaea baueri* | 2 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Dodonaea hexandra* | 1 | | |
| | | | | *Eremophila behriana* | 8 | | |
| | | | | *Logania linifolia* | 1 | | |
| KIC 20 | Moores Rd | North | 0 to 4.1 kms from Hog Bay Rd; 0 to 5 metres from verge | *Phebalium equestre* | 1 | Nationally endangered | V,Bu (Bv) |
| | | | | *Beyeria subtecta* | 71 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 4 | Nationally rare | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 1 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 1 | Poorly known but likely to be threatened or rare on KI | |
| KIC 21 | Moores Rd | South | 0 to 3.5 kms from Hog Bay Rd 0 to 5 metres from verge | *Phebalium equestre* | 20 | Nationally endangered | V,Bu (Bv) |
| | | | | *Beyeria subtecta* | 70 | Nationally vulnerable | |
| | | | | *Cyphanthera myosotidea* | 1 | Vulnerable on KI | |
| | | | | *Dodonaea baueri* | 4 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Dodonaea hexandra* | 25 | | |
| KIC 22 | Moores Rd | North | 0.7 to 3.3 kms from Hd Line Rd; 0 to 5 metres from verge | *Pultenaea insularis* | 30 | Nationally endangered | V,Bu Bc,Bv (G) |
| | | | | *Grevillea muricata* | 2 | Nationally rare | |
| KIC 23 | Moores Rd | South | 0 to 3.6 kms from Hd Line Rd; 0 to 5 metres from verge | *Pultenaea insularis* | 34 | Nationally endangered | V,Bu Bc,Bv |
| | | | | *Grevillea muricata* | 11 | Nationally rare | |
| | | | | *Dodonaea hexandra* | 3 | Poorly known but likely to be threatened or rare on KI | |
| KIC 24 | Milkys Rd | East | 4.3 to 4.5 kms from Halls Rd 0 to 5 metres from verge | *Cyphanthera myosotidea* | 12 | Vulnerable on KI | Bu |
| KIC 25 | Milkys Rd | East | 6.1 to 6.7 kms from Halls Rd 0 to 2 metres from verge | *Grevillea muricata* | 4 | Nationally rare | |
| | | | | *Cyphanthera myosotidea* | 7 | Vulnerable on KI | |
| | | | | *Logania linifolia* | 2 | Poorly known but likely to be threatened or rare on KI | |
| KIC 26 | Milkys Rd | West | 6.1 to 6.9 kms from Halls Rd 0 to 3 metres from verge | *Cyphanthera myosotidea* | 1 | Vulnerable on KI | |
| | | | | *Logania linifolia* | 18 | Poorly known but likely to be threatened or rare on KI | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 1 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DETERMINED FROM DATA COLLECTED DURING CURRENT SURVEY**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 27 | Barretts Rd | North | 0 to 2.3 kms from Three Chain Rd 0 to 5 metres from verge | *Phebalium equestre* | 27 | Nationally endangered | Bu,(V) (Bv) |
| | | | | *Prostanthera chlorantha* | 1 | Nationally rare; endangered on KI | |
| | | | | *Cyphanthera myosotidea* | 9 | Vulnerable on KI | |
| | | | | *Logania linifolia* | 22 | Poorly known but likely to be threatened or rare on KI | |
| KIC 28 | Barretts Rd | South | 0 to 2.1 kms from Three Chain Rd 0 to 4 metres from verge | *Phebalium equestre* | 69 | Nationally endangered | Bu,(V) |
| | | | | *Prostanthera chlorantha* | 10 | Nationally rare; endangered on KI | |
| | | | | *Logania linifolia* | 9 | Poorly known but likely to be threatened or rare on KI | |
| KIC 29 | Hundred Line Rd | East | 0 to 4.7 kms south from Hog Bay Rd; 0 to 35 metres from verge | *Olearia microdisca* | 2 | Nationally endangered | Bc,Bu,P Gu,(Sp) (T) |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 30 | Nationally rare | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| | | | | *Spyridium spathulatum* | 1 | Nationally rare | |
| | | | | *Hibbertia acicularis* | | Rare in SA | |
| | | | | *Stipa nitida/nodosa* | 100+ | Threatened on KI | |
| | | | | *Dodonaea baueri* | 2 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 100+ | | |
| KIC 30 | Hundred Line Rd | West | 0 to 4.7 kms south from Hog Bay Rd; 0 to 36 metres from verge | *Olearia microdisca* | 3 | Nationally endangered | Bc,Bu P,(Gu) (E),(V) (O) |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 5 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 92 | Nationally rare | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| | | | | *Prostanthera chlorantha* | 26 | Nationally rare; endangered on KI | |
| | | | | *Stipa nitida/nodosa* | 100+ | Threatened on KI | |
| | | | | *Dodonaea baueri* | 2 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Dodonaea hexandra* | 6 | | |
| | | | | *Lomandra micrantha* ssp. *micrantha* | 100+ | | |
| | | | | *Logania linifolia* | | | |
| KIC 31 | Hundred Line Rd | East | 0 to 1.8 kms north from Willsons Rd; 1 to 5 metres from verge | *Grevillea muricata* | 20 | Nationally rare | Bc,Bu,P V,(S) |
| | | | | *Acacia* sp. nov. aff. *halliana* | 20 | Nationally rare; endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 3 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 5 | Poorly known but likely to be threatened or rare on KI | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 1 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DETERMINED FROM DATA COLLECTED DURING CURRENT SURVEY**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 32 | Hundred Line Rd | West | 0 to 1.8 kms north from Willsons Rd; 0 to 5 metres from verge | *Beyeria subtecta* | 10 | Nationally vulnerable | Bc,Bu,P V |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | 2 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 9 | Nationally rare | |
| | | | | *Acacia* sp. nov. aff. *halliana* | 35 | Nationally rare; endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 1 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 23 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Logania linifolia* | 11 | | |
| KIC 33 | Hundred Line Rd | East | 0 to 3.4 kms south from Willsons Rd; 0 to 5 metres from verge | *Pultenaea insularis* | 6 | Nationally endangered | V,Bc Bu |
| | | | | *Beyeria subtecta* | 6 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 11 | Nationally rare | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| | | | | *Acacia acinacea* | 1 | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 65 | Endangered on KI | |
| | | | | *Lomandra micrantha* ssp. *tuberculata* | 10 | Vulnerable on KI | |
| | | | | *Logania linifolia* | 2 | Poorly known but likely to be threatened or rare on KI | |
| KIC 34 | Hundred Line Rd | West | 0 to 2.6 kms south from Willsons Rd; 1 to 6 metres from verge | *Pultenaea insularis* | 7 | Nationally endangered | V,Bc Bu,(P) (S) |
| | | | | *Beyeria subtecta* | 4 | Nationally vulnerable | |
| | | | | *Grevillea muricata* | 16 | Nationally rare | |
| | | | | *Acacia* sp. nov. aff. *halliana* | 1 | Nationally rare; endangered on KI | |
| | | | | *Prostanthera chlorantha* | 3 | | |
| | | | | *Acacia acinacea* | 8 | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | 3 | Endangered on KI | |
| | | | | *Acacia farinosa* | 2+ | Vulnerable on KI | |
| | | | | *Dodonaea baueri* | 12 | Poorly known but likely to be threatened or rare on KI | |
| KIC 35 | Hundred Line Rd | East | 0 to 1.7 kms south from Moores Rd; 0 to 8 metres from verge | *Pultenaea insularis* | 92 | Nationally endangered | V,Bc Bu |
| | | | | *Dodonaea hexandra* | 1 | Poorly known but likely to be threatened or rare on KI | |
| | | | | *Logania linifolia* | 9 | | |
| KIC 36 | Hundred Line Rd | West | 0 to 2.3 kms south from Moores Rd; 1 to 8 metres from verge | *Pultenaea insularis* | 126 | Nationally endangered | V,Bc Bu |
| | | | | *Dodonaea baueri* | 1 | Poorly known but likely to be threatened or rare on KI | |
| KIC 37 | South Coast Rd | East | 0 to 3.8 kms from Hd Line Rd | *Grevillea muricata* | 297 | Nationally rare | Bu |
| | | | | *Hibbertia acicularis* | | Rare in SA | |
| KIC 38 | South Coast Rd | West | 0 to 4.2 kms from Hd Line Rd | *Grevillea muricata* | 232 | Nationally rare | Bu,(Bc) |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; ( )=Minor occurrence

**APPENDIX 1 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DETERMINED FROM DATA COLLECTED DURING CURRENT SURVEY**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 39 | South Coast | East | 5.1 to 6.9 kms from Hd Line Rd; 1 to 7 metres from verge | *Prostanthera chlorantha* | 70 | Nationally rare; endangered on KI | Bu,(S) |
| | | | | *Dodonaea baueri* | 12 | Poorly known but | |
| | | | | *Dodonaea hexandra* | 7 | likely to be threatened or rare on KI | |
| KIC 40 | South Coast Rd | West | 5.2 to 6.4 kms from Hd Line Rd; 1 to 10 metres from verge | *Prostanthera chlorantha* | 62 | Nationally rare; endangered on KI | Bu,(Bc) (S) |
| | | | | *Eutaxia microphylla* var. *diffusa* | 1 | Endangered on KI | |
| | | | | *Dodonaea baueri* | 12 | Poorly known but likely to be threatened or rare on KI | |
| KIC 41 | Starr Rd | North | 0 to 3.9 kms from South Coast Rd; 1 to 6 metres from verge | *Grevillea muricata* | 60 | Nationally rare | Bu,Bc |
| | | | | *Lomandra micrantha* ssp. *tuberculata* | 14 | Vulnerable on KI | |
| | | | | *Dodonaea baueri* | 4 | Poorly known but likely to be threatened or rare on KI | |
| KIC 42 | Starr Rd | South | 0 to 3.9 kms from South Coast Rd; 1 to 6 metres from verge | *Grevillea muricata* | 53 | Nationally rare | Bu,Bc (V) |
| | | | | *Lomandra micrantha* ssp. *tuberculata* | 87 | Vulnerable on KI | |
| | | | | *Dodonaea baueri* | 8 | Poorly known but likely to be threatened or rare on KI | |
| KIC 43 | Three Chain Rd | North | 0 to 4.0 kms from Hog Bay Rd; 0 to 10 metres from verge | *Phebalium equestre* | 119 | Nationally endangered | V,Bu, (S) |
| | | | | *Cyphanthera myosotidea* | 88 | Vulnerable on KI | |
| | | | | *Logania linifolia* | 3 | Poorly known but likely to be threatened or rare on KI | |
| KIC 44 | Three Chain Rd | South | 0 to 3.8 kms from Hog Bay Rd; 0 to 8 metres from verge | *Phebalium equestre* | 127 | Nationally endangered | V,Bu, (S),(Bc) |
| | | | | *Beyeria subtecta* | 22 | Nationally vulnerable | |
| | | | | *Cyphanthera myosotidea* | 136 | Vulnerable on KI | |
| | | | | *Logania linifolia* | 8 | Poorly known but likely to be threatened or rare on KI | |
| KIC 45 | Three Chain Rd | North | 0 to 8.1 kms west from Barretts Rd; 0 to 4 metres from verge | *Grevillea muricata* | 42 | Nationally rare | V,Bu |
| | | | | *Prostanthera chlorantha* | 18 | Nationally rare; endangered on KI | |
| | | | | *Logania linifolia* | 4 | Poorly known but likely to be threatened or rare on KI | |
| KIC 46 | Three Chain Rd | North | 0 to 8.1 kms west from Barretts Rd; 0 to 4 metres from verge | *Grevillea muricata* | 149 | Nationally rare | V,Bu |
| | | | | *Prostanthera chlorantha* | 1 | Nationally rare; endangered on KI | |
| | | | | *Logania linifolia* | 6 | Poorly known but likely to be threatened or rare on KI | |
| KIC 47 | Wheatons Rd | South | 0.3-0.4 kms from Hundred Line Rd | *Pultenaea insularis* | 1 | Nationally endangered | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 2: KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 48 | Pauls Road | South | 2.0-2.7kms from Willoughby Rd | *Pomaderris halmaturina* ssp. *halmaturina* | | Nationally vulnerable; endangered on KI | Sa |
| KIC 49 | Road to Chapman River mouth | South | 0-200 metres north east of Willoughby Rd | *Pomaderris halmaturina* ssp. *halmaturina* | | Nationally vulnerable; endangered on KI | |
| KIC 50 | Road to Kallowar Homestead | North & south | 0.8-1.3kms from Willoughby Rd | *Pomaderris halmaturina* ssp. *halmaturina* | | Nationally vulnerable; endangered on KI | |
| KIC 51 | Willoughby Road | East & west | 0-0.2 kms north from East-West Rd | *Pomaderris halmaturina* ssp. *halmaturina* | 100 | Nationally vulnerable; endangered on KI | Bc,Bu |
| KIC 52 | Blue Gum Rd | North & south | Between Rifle Range Rd & Jews Highway | *Stipa multispiculis* | | Nationally rare; threatened on KI | |
| KIC 53 | Hungerford Road | North | 1.3-1.5 kms west of Pauls Rd | *Pomaderris halmaturina* ssp. *halmaturina* | 3 | Nationally vulnerable; endangered on Kangaroo Island | Bc |
| KIC 54 | Willson River Rd | East & west | 0.4-1.0 kms north from Moffat Rd | *Pomaderris halmaturina* ssp. *halmaturina* | | Nationally vulnerable; endangered on Kangaroo Island | |
| KIC 55 | Moffatt Road | North & south | 0.2-1.6kms from Doug Rd | *Pomaderris halmaturina* ssp. *halmaturina* | Large popn | Nationally vulnerable; endangered on KI | Bc |
| KIC 56 | East West Road | North & south | 0.2-1.5 kms south east from Willson River Rd | *Pomaderris halmaturina* ssp. *halmaturina* | | Nationally vulnerable; endangered on KI | Bc |
| KIC 57 | Mouth Flat Road | East & west | 0.3-1.5 kms from East-West Rd | *Pomaderris halmaturina* ssp. *halmaturina* | | Nationally vulnerable; endangered on KI | Bc |
| | | | | *Stipa multispiculis* | | Nationally rare; threatened on KI | |
| KIC 58 | Mouth Flat Road | East & west | 3.0-3.7 kms from East-West Rd | *Pomaderris halmaturina* ssp. *halmaturina* | 20+ | Nationally vulnerable; endangered on Kangaroo Island | G |
| KIC 59 | Emu Bay Rd | North & south | 0-0.5 kms east of Gap Road | *Stipa elegantissima* | | Threatened on KI | |
| KIC 60 | Emu Bay Rd | East & west | 0-1.0 kms north of Grid Iron Corner | *Eremophila glabra* | | Endangered on KI | |
| KIC 61 | Emu Bay Rd | North & south | 0-0.5 kms east of Grid Iron Corner | *Eremophila glabra* | | Endangered on KI | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 62 | North Coast Rd | North & south | 0-0.7 kms west of Grid Iron Corner | *Eremophila glabra* | | Endangered on KI | |
| KIC 63 | North Cape Rd | North & south | 0-4.0 kms from Emu Bay Rd | *Eremophila glabra* | | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | | Endangered on KI | |
| | | | | *Pittosporum phylliraeoides* var. *microcarpa* | 100+ | Vulnerable on KI | |
| KIC 64 | Governor Wallen Scenic Drive | South | 0-2.0 kms east of The Bluff | *Eremophila glabra* | | Endangered on KI | Bc |
| | | | | *Geijera linearifolia* | | Endangered on KI | |
| | | | | *Pittosporum phylliraeoides* var. *microcarpa* | | Vulnerable on KI | |
| | | | | *Stipa nitida* | | Threatened on KI | |
| | | | | *Stipa elegantissima* | | Threatened on KI | |
| | | | | *Eucalyptus odorata* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 65 | Governor Wallen Scenic Drive | East & west | Reeves Point Historic Site | *Stipa elegantissima* | | Threatened on KI | |
| | | | | *Stipa nodosa* | | Threatened on KI | |
| KIC 66 | The Esplanade | East | Opposite Rawson St, Kingscote | *Geijera linearifolia* | | Endangered on KI | Bc |
| | | | | *Pittosporum phylliraeoides* var. *microcarpa* | | Vulnerable on KI | |
| | | | | *Stipa elegantissima* | | Threatened on KI | |
| KIC 67 | Seaview Rd | North & south | 0-0.4 km west from water tanks | *Stipa nitida* | | Threatened on KI | |
| | | | | *Stipa elegantissima* | | Threatened on KI | |
| KIC 68 | Seaview Rd | North & south | 0.8-1.2 kms west of Karratta Terrace, Kingscote | *Eremophila glabra* | | Endangered on KI | |
| KIC 69 | Emu Bay Rd | North & south | 0-1.6 kms from Playford Highway | *Eremophila glabra* | | Endangered on KI | Bc |
| | | | | *Acacia acinacea* | | Endangered on KI | |
| KIC 70 | Tin Smith Rd | East & west | 0-1.1 kms south east from Playford Highway | *Eremophila glabra* | | Endangered on KI | Bc |
| | | | | *Eutaxia microphylla* var. *diffusa* | | Endangered on KI | |
| | | | | *Stipa elegantissima* | | Threatened on KI | |
| KIC 71 | Springs Rd | North & south | 2.0-3.7 kms Ten Tree Lagoon Rd north west of | *Spyridium eriocephalum* var. *glabrisepalum* | 12 | Nationally vulnerable | |
| | | | | *Carex inversa* var. *major* | | Rare in SA | |
| | | | | *Eremophila glabra* | | Endangered on KI | |
| | | | | *Stipa nitida/nodosa* | | Threatened on KI | |
| | | | | *Elymus scabrus* | | Threatened on KI | |

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**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 72 | Gum Creek Rd | North & south | 1.4-1.8 kms west of Boxer Rd | *Olearia microdisca* | | Nationally endangered | Bu |
| | | | | *Prostanthera chlorantha* | | Nationally rare; endangered on KI | |
| | | | | *Dodonaea baueri* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 73 | Gum Creek Rd | South | 0.6-0.8 kms west of Boxer Rd | *Olearia microdisca* | 13 | Nationally endangered | |
| | | | | *Acacia acinacea* | | Endangered on KI | |
| | | | | *Dodonaea baueri* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 74 | Gum Creek Rd | North | 0-0.4 kms west of Boxer Rd | *Olearia microdisca* | 116 | Nationally endangered | Bu |
| | | | | *Acacia acinacea* | | Endangered on KI | |
| | | | | *Dodonaea baueri* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 75 | Track from Cygnet River township to Arranmore Rd | East & west | 0.2-0.4 kms south east from Cygnet River township | *Eutaxia microphylla* var. *diffusa* | | Endangered on KI | |
| KIC 76 | Hog Bay Rd | North & south | 0-0.8 kms south east of Hundred Line Rd | *Olearia microdisca* | 10+ | Nationally endangered | S,Bu,R Bc |
| | | | | *Prostanthera chlorantha* | | Nationally rare; endangered on KI | |
| | | | | *Eremophila glabra* | | Endangered on KI | |
| | | | | *Dodonaea baueri* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 77 | Access track into Nepean Bay Conservation Park | North & south | | *Caladenia bicalliata* | | Nationally rare; endangered on KI | |
| KIC 78 | Hog Bay Rd | East & west | Between bridge over Cygnet River & Angle Pole Rd | *Stipa curticoma* | | Vulnerable in SA | |
| KIC 79 | Kingscote Aerodrome | | Vegetation in south west corner of Section 22 | *Olearia microdisca* | 1000 | Nationally endangered | Bu |
| | | | | *Dodonaea hexandra* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 80 | Birchmore Rd | East & west | 3.0-6.5 kms south of Playford Highway | *Prostanthera chlorantha* | | Nationally rare; endangered on KI | |
| | | | | *Atriplex australasica* | | Rare in SA | |
| | | | | *Eremophila behriana* | Locally common | Poorly known but likely to be threatened or rare on KI | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 81 | Hog Bay Rd | North & south | 0-3.0 kms north west of Willsons Rd | *Olearia microdisca* | 100 | Nationally endangered | Bu,Bc |
| | | | | *Beyeria subtecta* | | Nationally vulnerable | |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | | Nationally vulnerable | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| | | | | *Dodonaea hexandra* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 82 | Hog Bay Rd | North & south | 0-3.7 kms south east from Willsons Rd | *Phebalium equestre* | 1130 | Nationally endangered | Bu,Bc,V S |
| | | | | *Beyeria subtecta* | | Nationally vulnerable | |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | | Nationally vulnerable | |
| | | | | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| | | | | *Loxocarya fasciculata* | | Vulnerable in SA; endangered on KI | |
| | | | | *Eremophila behriana* | Locally common | Poorly known but likely to be threatened or rare on KI | |
| KIC 83 | Hog Bay Rd | South | 3.7-4.1 kms north west of Three Chain Rd | *Olearia microdisca* | | Nationally endangered | |
| KIC 84 | Hog Bay Rd | North | 1.7-2.6 kms north west from Three Chain Rd | *Beyeria subtecta* | 1000+ | Nationally vulnerable | Bu,S,V |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | | Nationally vulnerable | |
| KIC 85 | American River Road | North & south | 0.3-0.5 kms from Hog Bay Rd | *Beyeria subtecta* | | Nationally vulnerable | |
| | | | | *Grevillea muricata* | | Nationally rare | |
| KIC 86 | American River Rd | South | 2.1-2.5 kms from Hog Bay Rd (and adjacent American River Rubbish Dump) | *Beyeria subtecta* | | Nationally vulnerable | Bu,R |
| KIC 87 | American River Rd | North | 0-0.2 kms north east from Muston Lookout | *Caladenia ovata* | | Nationally vulnerable | |
| KIC 88 | Hog Bay Rd | North & south | 1.5-2.5 kms south east of Three Chain Rd | *Stipa densiflora* | Locally common | Rare in SA | |
| KIC 89 | Road to old gypsum mine | East | 1.3 -1.7 kms from Hog Bay Rd | *Phebalium equestre* | 4 | Nationally endangered | Bc,V |

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**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 90 | Track connecting Shag Rock Rd with Halls Rd | East & west | | *Grevillea muricata* | 25 | Nationally rare | |
| KIC 91 | Shag Rock Rd | East & west | Between Three Chain Rd & coast | *Grevillea muricata* | 20 | Nationally rare | |
| KIC 92 | Three Chain Rd | South | 0-1 km west of Hundred Line Road | *Diuris brevifolia* | Common | Nationally rare | |
| | | | | *Loxocarya fasciculata* | | Vulnerable in SA; endangered on KI | |
| KIC 93 | Hundred Line Rd | East & west | 0.4-1.0 kms south of Three Chain Rd | *Melaleuca cuticularis* | | Vulnerable in SA | |
| KIC 94 | North Coast Rd | North & south | 0-0.5 km east from Rose Cottage Rd | *Eremophila glabra* | | Endangered on KI | |
| KIC 95 | North Coast Rd | North & south | 1.5-4.0 kms from Gap Rd | *Eremophila glabra* | | Endangered on KI | |
| | | | | *Eutaxia microphylla* var. *diffusa* | | Endangered on KI | |
| KIC 96 | Cape Cassini Rd | East & west | 1.5-2.0 kms from North Coast Rd | *Eutaxia microphylla* var. *diffusa* | | Endangered on KI | |
| KIC 97 | Kookaburra Rd | East | 1.3-1.5 kms south east of Gum Creek Rd | *Olearia microdisca* | 1 | Nationally endangered | |
| KIC 98 | Playford Highway | North & south | 3.2-4.5 kms south west of Birchmore Rd | *Olearia microdisca* | 5 | Nationally endangered | Bu |
| | | | | *Spyridium eriocephalum* var. *glabrisepalum* | | Nationally vulnerable | |
| | | | | *Prostanthera chlorantha* | | Nationally rare; endangered on KI | |
| | | | | *Dodonaea baueri* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 99 | Playford Highway | South | 0-1.0 kms north east of Margaries Rd | *Cheiranthera alternifolia* | | Endangered on KI | |
| | | | | *Dodonaea hexandra* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 100 | Playford Highway | North & south | 0-1.0 kms south west of Margaries Rd | *Olearia microdisca* | 4 | Nationally endangered | |

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**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 101 | Playford Highway | North | Between Branch Creek & Bark Hut Creek | *Calochilus robertsonii* | 50+ | Vulnerable on KI | |
| KIC 102 | Playford Highway | North & south | 0-0.7 km west of Bark Hut Rd | *Prostanthera chlorantha* | | Nationally rare; endangered on KI | |
| KIC 103 | Birchmore Rd | East & west | 1.9-2.4 kms south west of Rowland Highway | *Spyridium eriocephalum* var. *glabrisepalum* | 25 | Nationally vulnerable | |
| | | | | *Prostanthera chlorantha* | | Nationally rare; endangered on KI | |
| KIC 104 | North Coast Rd | North | On Constitutional Hill overlooking Snelling Beach | *Pultenaea villifera* var. *glabrescens* | 8 | Nationally vulnerable | Bu |
| KIC 105 | Range Rd | West | 3.0-4.0 kms south of north coast | *Pultenaea villifera* var. *glabrescens* | 25 | Nationally vulnerable | Bu |
| | | | | *Thelymitra grandiflora* | 20 | Endangered on KI | |
| KIC 106 | Stokes Bay Rd | East | 0.1-0.3 kms north of Bark Hut Rd | *Cheiranthera volubilis* | | Nationally vulnerable | |
| KIC 107 | Bark Hut Rd | North | 0.1-0.4 kms east of Stokes Bay Rd | *Cheiranthera volubilis* | 50 | Nationally vulnerable | |
| KIC 108 | Playford Highway | South | Rubble pit 7 kms west of Parndana | *Diuris brevifolia* | 50 | Nationally rare | |
| KIC 109 | Playford Highway | North & south | 4.5-5.5 kms east of Harriet Rd | *Ptilotus beckerianus* | 25 | Nationally vulnerable | Bu |
| KIC 110 | McHughes Rd | North & south | 0-1.0 km north west of Eleanor River Crossing | *Epilobium billardierianum* ssp. *cinereum* | | Endangered on KI | |
| | | | | *Deyeuxia quadriseta* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 111 | Playford Highway | North & south | 4.0-4.3 kms west of Harriet Rd; Tin Hut Creek crossing | *Schoenus discifer* | | Nationally rare | |
| | | | | *Restio camplanatus* | | Vulnerable in SA | |
| | | | | *Schoenus brachyphyllus* | | Rare in SA; endangered on KI | |
| | | | | *Sphaerolobium minus* | | Rare in SA; threatened on KI | |
| | | | | *Deyeuxia quadriseta* | | Poorly known but likely to be threatened or rare on KI | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 112 | Playford Highway | North & south | 1.0-1.3 kms north west of Mt Taylor Rd, environs Squashy Creek | *Schoenus discifer* | | Nationally rare | |
| | | | | *Myriophyllum amphibium* | | Threatened on KI | |
| | | | | *Deyeuxia quadriseta* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 113 | South Coast Rd | North & south | 0-2.0 kms north east of East West Highway 2 | *Ptilotus beckerianus* | 700 | Nationally vulnerable | Bu |
| KIC 114 | East West Highway 2 | East | 0.5-1.1 kms north west from South Coast Rd (& adjacent stone reserve) | *Ptilotus beckerianus* | 10,000 | Nationally vulnerable | |
| KIC 115 | South Coast Rd | South | 0.4-0.6 kms north east from Gregors Rd | *Ptilotus beckerianus* | | Nationally vulnerable | |
| KIC 116 | East West Highway 2 | North & south | 2.9-3.2 kms west of Gregors Rd, environs Eleanor River | *Stipa densiflora* | 6 | Rare in SA | |
| | | | | *Deyeuxia quadriseta* | | Poorly known but likely to be threatened or rare on KI | |
| KIC 117 | South Coast Rd | South | 0-0.4 kms south west of Hickmans Rd | *Ptilotus beckerianus* | | Nationally vulnerable | |
| KIC 118 | Hickmans Rd | East & west | 13.0-13.2 kms from Playford Highway (via Wedgewood Rd) | *Ptilotus beckerianus* | | Nationally vulnerable | |
| KIC 119 | Road to Vivonne Bay (east side of Harriet River) | West | 1.5-2.5 kms from South Coast Rd | *Centrolepis cephaloformis* ssp. *murrayi* | | Nationally vulnerable (D. Cooke, pers. comm.) | |
| KIC 120 | Vivonne Bay Rd (west side of Harriet River) | East & west | 0.7-1.3 kms from South Coast Rd | *Ptilotus beckerianus* | | Nationally vulnerable | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 121 | South Coast Rd | North & south | 0-0.7 km west of bridge over Harriet River | *Daviesia arenaria* | | Vulnerable on KI | |
| | | | | *Myriocephalus rhizocephalus* | | Threatened on KI | |
| KIC 122 | South Coast Rd | | 2.7-3.1 kms east of Sumner Rd | *Ptilotus beckerianus* | | Nationally vulnerable | |
| KIC 123 | South Coast Rd | North & south | 0-0.5 kms west of Sumner Rd | *Ptilotus beckerianus* | | Nationally vulnerable | |
| KIC 124 | Sumner Rd | East & west | 2.7-3.1 kms from South Coast Rd | *Ptilotus beckerianus* | | Nationally vulnerable | |
| KIC 125 | South Coast Rd | North & south | Banks and flood plain of Stunsail Boom River | *Gratiola pubescens* | | Vulnerable in SA; endangered on KI | |
| | | | | *Asperula euryphylla* var. *tetraphylla* | | Vulnerable in SA | |
| KIC 126 | Berryman Rd | North & south | 3.0-3.4 kms east of Colmans Rd | *Hakea aenigma* | | Nationally rare | |
| KIC 127 | Playford Highway | North & south | 0.4-0.7km east of Gosse-Ritchie Rd; environs Starvation Creek | *Pultenaea dentata* | | Rare in SA; threatened on KI | |
| | | | | *Myriophyllum amphibium* | | Threatened on KI | |
| KIC 128 | Playford Highway | North & South | 7.0-8.9 kms west of West End Highway | *Asterolasia phebalioides* | | Nationally vulnerable | Bu |
| | | | | *Pseudanthus micranthus* | | Nationally rare | |
| KIC 129 | West End Highway | West | 0-0.3 kms south of Church Rd | *Cheiranthera volubilis* | | Nationally vulnerable | |
| KIC 130 | Church Rd | North & south | Hanging swamp, 2.5 kms from West End Highway | *Diuris brevifolia* | 100+ | Nationally rare | |
| KIC 131 | Church Rd | North & south | 3.5-3.7 kms north west of Baxter Rd | *Gastrodia sesamoides* | | Rare in SA | |
| KIC 132 | South Coast Rd | North & south | Opposite Karratta Outdoor Education Centre | *Cheiranthera volubilis* | 50 | Nationally vulnerable | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

**APPENDIX 2 (Continued): KANGAROO ISLAND ROADSIDE SITES OF SIGNIFICANCE CONTAINING THREATENED PLANT SPECIES: DATA FROM PREVIOUS SURVEYS & HERBARIUM COLLECTIONS.**

| Site no. | Road | Side of road | Description | Threatened plant species | No. of plants | Conservation status | Impact |
|---|---|---|---|---|---|---|---|
| KIC 133 | South Coast Rd | South | 3.8-4.2 kms east of South West River Rd | *Ptilotus beckerianus* | | Nationally vulnerable | |
| KIC 134 | South Coast Rd | North & south | 0.5-1.5 kms east of West End Highway | *Hydrocotyle comocarpa* | | Nationally rare | |
| KIC 135 | West End Highway | East & west | 1.9-2.1 kms from South Coast Rd | *Ptilotus beckerianus* | 1200 | Nationally vulnerable | Bu |
| KIC 136 | West End Highway | West | 3.1-3.3 kms from South coast Rd | *Ptilotus beckerianus* | 8+ | Nationally vulnerable | Bu |
| KIC 137 | Playford Highway | North | Between Scott Cove Rd & Harvey Return campsite | *Cheiranthera volubilis* | | Nationally vulnerable | |
| | | | | *Pultenaea villifera* var. *glabrescens* | | Nationally vulnerable | |
| KIC 138 | Playford Highway | North & south | 2.4-2.9 kms west of Shackle Rd | *Hakea aenigma* | | Nationally rare | |
| KIC 139 | Western River Rd | East & west | Between Hazell Hill and Leopard Hill | *Pultenaea villifera* var. *glabrescens* | 20 | Nationally vulnerable | |
| KIC 140 | Road to Pott Park Homestead | North & south | 1.0-1.7kms from Willoughby Rd | *Pomaderris halmaturina* ssp. *halmaturina* | | Nationally vulnerable; endangered on KI | |
| KIC 141 | Bomb Alley Rd | East & west | 1.6-1.8 kms from Playford Highway | *Olearia microdisca* | 1 | Nationally endangered | |
| KIC 142 | Birchmore Rd | West | Between Willsons Rd & Rowland Highway | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |
| KIC 143 | South Coast Rd | North | Between Hickmans Rd & Seal Bay Rd | *Pultenaea teretifolia* var. *brachyphylla* | | Nationally rare | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass; G=Grazing; E=Erosion; R=Rubbish; O=Olives; Sp=Sparaxis, ( )=Minor occurrence

## APPENDIX 3: LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT

**Road: Min Oil Rd** **Date:11/7/1996**

**Recorders: Rick Davies, Pam Harvey, Tyrone Brett**

| Side of road | Distance (kms) west from Red Banks Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0 | 0.1 | *Dodonaea baueri* | 2 | 0-3 | Bu |
| North | 0.3 | 1.4 | *Dodonaea baueri* | 63 | 1-5 | Bu |
| North | 0.7 | 0.9 | *Eutaxia microphylla* var. *diffusa* | 4 | 0-3 | Bu |
| North | 0.7 | 0.9 | *Spyridium eriocephalum* var. *glabrisepalum* | 9 | 2-4 | Bu |
| North | 0.7 | 1.1 | *Acacia acinacea* | 17 | 1-4 | Bu |
| North | 1.2 | 1.3 | *Spyridium eriocephalum* var. *glabrisepalum* | 3 | 3 | Bu |
| North | 1.3 | 1.4 | *Eutaxia microphylla* var. *diffusa* | 2 | 0-3 | Bu |
| North | 1.5 | 1.6 | *Eutaxia microphylla* var. *diffusa* | 1 | 2 | Bu |
| North | 1.7 | 2.2 | *Dodonaea baueri* | 96 | 1-9 | Bu |
| North | 1.8 | 1.9 | *Acacia acinacea* | 5 | 2-5 | Bu |
| North | 1.8 | 2.0 | *Spyridium eriocephalum* var. *glabrisepalum* | 2 | 4-5 | Bu |
| North | 1.9 | 2.0 | *Eutaxia microphylla* var. *diffusa* | 5 | 0-3 | Bu |
| North | 2.0 | 2.1 | *Acacia acinacea* | 2 | 2-3 | Bu |
| North | 2.4 | 2.6 | *Eutaxia microphylla* var. *diffusa* | 2 | 4-6 | P,Bu |
| North | 2.4 | 2.6 | *Spyridium eriocephalum* var. *glabrisepalum* | 8 | 4-7 | Bu |
| North | 2.7 | 2.8 | *Dodonaea baueri* | 1 | 5 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; P=Phalaris

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Min Oil Rd (continued)** **Date:11/7/1996**

**Recorders: Rick Davies, Pam Harvey, Tyrone Brett**

| Side of road | Distance (kms) west from Red Banks Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| South | 0 | 0.1 | *Dodonaea baueri* | 2 | 2-3 | Bu |
| South | 0 | 0.1 | *Eutaxia microphylla* var. *diffusa* | 3 | 1 | Bu |
| South | 0.1 | 0.2 | *Logania linifolia* | 1 | 1 | Bu |
| South | 0.4 | 1.1 | *Dodonaea baueri* | 86 | 0-8 | Bu |
| South | 0.5 | 0.6 | *Eutaxia microphylla* var. *diffusa* | 1 | 2-4 | Bu |
| South | 0.5 | 0.6 | *Acacia acinacea* | 1 | 2-4 | Bu |
| South | 0.5 | 0.7 | *Logania linifolia* | 13 | 1-4 | Bu |
| South | 0.6 | 0.8 | *Eutaxia microphylla* var. *diffusa* | 39 | 1-12 | Bu |
| South | 0.7 | 0.8 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 3 | Bu |
| South | 0.7 | 1.0 | *Acacia acinacea* | 4 | 0-8 | Bu |
| South | 0.8 | 1.1 | *Eutaxia microphylla* var. *diffusa* | 7 | 1-7 | Bu |
| South | 1.0 | 1.0 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 7 | |
| South | 1.0 | 1.1 | *Acacia acinacea* | 6 | 0-7 | Bu |
| South | 1.1 | 1.2 | *Eutaxia microphylla* var. *diffusa* | 1 | 6 | |
| South | 1.1 | 2.1 | *Dodonaea baueri* | 68 | 0-8 | Bu,Bc |
| South | 1.3 | 1.4 | *Acacia acinacea* | 1 | 3-4 | |
| South | 1.4 | 1.4 | *Spyridium eriocephalum* var. *glabrisepalum* | 3 | 4 | |
| South | 1.7 | 1.7 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 4 | |
| South | 1.7 | 2.2 | *Acacia acinacea* | 25 | 1-7 | Bu |
| South | 1.9 | 1.9 | *Eutaxia microphylla* var. *diffusa* | 1 | 4 | Bu |
| South | 2.1 | 2.1 | *Eutaxia microphylla* var. *diffusa* | 3 | 0-3 | Bu |
| South | 2.1 | 2.2 | *Acacia rupicola* | 1 | 3-4 | Bu |
| South | 2.4 | 2.4 | *Acacia rupicola* | 1 | 6 | Bu,P |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; P=Phalaris

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Wallers Rd** **Date: 1-2/7/1996**

**Recorders: Rick Davies, Lara King, Tyrone Brett, Ruth Lange**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0 | 0.1 | *Beyeria subtecta* | 14 | 0-3 | V,Bc,Bu |
| East | 0.1 | 0.2 | *Dodonaea hexandra* | 1 | 0 | Bc,Bu |
| East | 0.1 | 0.3 | *Beyeria subtecta* | 81 | 0-4 | V,Bc,Bu |
| East | 0.3 | 0.3 | *Lomandra micrantha* ssp. *micrantha* | 3 | 0-2 | Bc,Bu |
| East | 0.3 | 0.4 | *Grevillea muricata* | 5 | 0-3 | Bc,Bu |
| East | 0.6 | 0.7 | *Beyeria subtecta* | 16 | 0-1 | V,Bc,Bu |
| East | 0.6 | 0.7 | *Lomandra micrantha* ssp. *micrantha* | 1 | 1 | V,Bc,Bu |
| East | 0.9 | 1.0 | *Lomandra micrantha* ssp. *micrantha* | 33 | 2-7 | Bc,Bu |
| East | 0.9 | 1.1 | *Beyeria subtecta* | 48 | 2-8 | Bc,Bu |
| East | 1.0 | 1.1 | *Eremophila behriana* | 54 | 0-4 | Bc,Bu |
| East | 1.0 | 1.2 | *Dodonaea baueri* | 22 | 0-6 | Bc,Bu |
| East | 1.0 | 1.2 | *Logania linifolia* | 7 | 1-3 | Bc,Bu |
| East | 1.2 | 1.2 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 1 | Bc,Bu |
| East | 1.5 | 1.8 | *Dodonaea baueri* | 28 | 1-7 | Bc,Bu |
| East | 1.7 | 1.9 | *Spyridium eriocephalum* var. *glabrisepalum* | 7 | 3-5 | Bc,Bu |
| East | 1.8 | 2.2 | *Dodonaea baueri* | 69 | 1-7 | Bc,Bu |
| East | 2.0 | 2.2 | *Eutaxia microphylla* var. *diffusa* | 4 | 0-3 | Bc,Bu |
| East | 2.1 | 2.2 | *Logania linifolia* | 15 | 0-2 | Bc,Bu |
| East | 2.3 | 2.4 | *Dodonaea baueri* | 1 | 1 | Bc,Bu |
| East | 2.3 | 2.6 | *Beyeria subtecta* | 5 | 0-2 | Bc,Bu |
| East | 2.4 | 2.9 | *Grevillea muricata* | 24 | 0-7 | Bc,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Wallers Rd (continued)** **Date: 1-2/7/1996**
**Recorders: Rick Davies, Lara King, Tyrone Brett, Ruth Lange**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| West | 0 | 0.1 | *Beyeria subtecta* | 18 | 0-4 | Bc,Bu |
| West | 0.1 | 0.3 | *Lomandra micrantha* ssp. *micrantha* | 3 | 0-1 | V,Bc,Bu |
| West | 0.1 | 0.3 | *Beyeria subtecta* | 121 | 0-4 | V,Bc,Bu |
| West | 0.3 | 0.3 | *Grevillea muricata* | 2 | 2 | Bc,Bu |
| West | 0.3 | 0.4 | *Beyeria subtecta* | 2 | 2 | Bc,Bu |
| West | 0.5 | 1.0 | *Beyeria subtecta* | 108 | 0-5 | V,Bc,Bu |
| West | 0.8 | 0.9 | *Logania linifolia* | 2 | 0 | V,Bc,Bu |
| West | 1.1 | 1.2 | *Dodonaea baueri* | 2 | 5 | V,Bc |
| West | 1.4 | 1.8 | *Dodonaea baueri* | 16 | 1-4 | Bc,Bu |
| West | 1.8 | 2.4 | *Dodonaea baueri* | 83 | 0-7 | Bc,Bu |
| West | 2.1 | 2.2 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 3 | Bc,Bu |
| West | 2.3 | 2.4 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 5 | |
| West | 2.3 | 2.4 | *Dodonaea baueri* | 2 | 4-5 | Bc,Bu |
| West | 2.4 | 2.6 | *Beyeria subtecta* | 2 | 2 | Bc,Bu |
| West | 2.5 | 2.8 | *Grevillea muricata* | 4 | 4 | Bc,Bu |
| West | 2.8 | 2.9 | *Dodonaea baueri* | 1 | 4 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Red Banks Rd** **Date: 3/7/1996**

**Recorders: Rick Davies, Tyrone Brett, Lara King**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| South | 0 | 0.3 | *Beyeria subtecta* | 99 | 0-5 | Bc,Bu |
| South | 0.2 | 0.2 | *Lomandra micrantha* ssp. *micrantha* | 1 | 3 | Bc,Bu |
| South | 1.1 | 1.2 | *Grevillea muricata* | 5 | 3-6 | Bc,Bu |
| South | 1.1 | 1.2 | *Lomandra micrantha* ssp. *micrantha* | 1 | 1 | V,Bc,Bu |
| South | 1.7 | 1.7 | *Beyeria subtecta* | 1 | 2 | V,Bc,Bu |
| South | 2.6 | 2.8 | *Acacia acinacea* | 12 | 1-8 | Bc,Bu |
| South | 2.7 | 3.0 | *Dodonaea baueri* | 21 | 2-7 | Bc,Bu |
| South | 2.8 | 2.9 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 3 | Bu |
| South | 2.9 | 2.9 | *Acacia acinacea* | 1 | 7 | |
| South | 3.5 | 3.7 | *Dodonaea baueri* | 2 | 0-1 | V,Bc,Bu |
| South | 3.6 | 3.6 | *Acacia acinacea* | 9 | 0-4 | Bu |
| South | 3.7 | 3.8 | *Eutaxia microphylla* var. *diffusa* | 1 | 0 | Bu |
| South | 3.8 | 3.8 | *Dodonaea baueri* | 5 | 1-5 | Bu |
| South | 3.8 | 3.9 | *Dodonaea baueri* | 2 | 4-5 | Bc,Bu |
| South | 3.8 | 4.0 | *Acacia acinacea* | 10 | 1-5 | Bc,Bu |
| South | 4.0 | 4.0 | *Acacia acinacea* | 1 | 3 | Bu |
| South | 4.3 | 4.3 | *Acacia acinacea* | 7 | 0-4 | Bu |
| South | 5.0 | 5.1 | *Dodonaea baueri* | 9 | 1-7 | Bu |
| South | 5.0 | 5.2 | *Acacia acinacea* | 16 | 0-9 | Bu,Bc |
| South | 5.1 | 5.2 | *Dodonaea baueri* | 2 | 1-3 | Bu,Bc |
| South | 5.3 | 5.4 | *Eutaxia microphylla* var. *diffusa* | 1 | 2 | Bu,V |
| South | 5.7 | 5.8 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 2 | Bu |
| South | 6.0 | 6.4 | *Dodonaea baueri* | 10 | 2-4 | Bu |
| South | 6.6 | 6.9 | *Dodonaea baueri* | 14 | 2-4 | Bu,Bc |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Red Banks Rd (continued)** **Date: 3/7/1996**
**Recorders: Rick Davies, Tyrone Brett, Lara King**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0 | 0.1 | *Beyeria subtecta* | 8 | 0-6 | V,Bc,Bu, |
| North | 0.1 | 0.2 | *Lomandra micrantha* ssp. *micrantha* | 5 | 1-1.5 | V,Bc,Bu |
| North | 0.2 | 0.2 | *Beyeria subtecta* | 52 | 0-5 | V,Bc,Bu |
| North | 0.3 | 0.4 | *Beyeria subtecta* | 7 | 0-5 | V,Bc,Bu |
| North | 1.1 | 1.2 | *Lomandra micrantha* ssp. *micrantha* | 3 | 0-3 | V,Bc,Bu |
| North | 1.5 | 1.6 | *Beyeria subtecta* | 5 | 2-3 | V,Bc,Bu |
| North | 1.5 | 1.6 | *Logania linifolia* | 2 | 1 | V,Bc,Bu |
| North | 2.1 | 2.1 | *Boronia coerulescens* | 1 | 1 | Bc |
| North | 2.4 | 2.5 | *Logania linifolia* | 2 | 0-1 | Bu |
| North | 2.6 | 2.8 | *Acacia acinacea* | 21 | 0-5 | Bc,Bu |
| North | 2.6 | 2.8 | *Dodonaea baueri* | 7 | 0-5 | Bc,Bu |
| North | 3.6 | 3.6 | *Acacia acinacea* | 2 | 0 | Bc,Bu |
| North | 3.8 | 3.9 | *Acacia acinacea* | 6 | 1-4 | Bu |
| North | 3.8 | 3.9 | *Dodonaea baueri* | 2 | .5-3 | Bc,Bu |
| North | 3.8 | 3.9 | *Eutaxia microphylla* var. *diffusa* | 3 | 0-3 | Bc,Bu |
| North | 3.9 | 4.0 | *Eutaxia microphylla* var. *diffusa* | 3 | 0-2 | Bu,S |
| North | 4.5 | 4.6 | *Acacia acinacea* | 1 | 5 | V,Bu,Sa |
| North | 4.9 | 5.0 | *Eutaxia microphylla* var. *diffusa* | 2 | 4-5 | V,Bu |
| North | 4.9 | 5.0 | *Dodonaea baueri* | 1 | 4 | V,Bu |
| North | 4.9 | 5.3 | *Acacia acinacea* | 27 | 0-8 | V,Bu,P |
| North | 5.2 | 5.2 | *Dodonaea baueri* | 1 | 2-3 | V,Bu |
| North | 5.2 | 5.3 | *Eutaxia microphylla* var. *diffusa* | 1 | 4 | Bu |
| North | 5.6 | 5.7 | *Eutaxia microphylla* var. *diffusa* | 4 | 2-3 | Bu |
| North | 5.6 | 5.7 | *Dodonaea baueri* | 4 | 3-5 | P,Bu |
| North | 6.7 | 6.7 | *Dodonaea baueri* | 2 | 3 | Bu,Gu |
| North | 6.9 | 7.0 | *Dodonaea baueri* | 5 | 2-5 | Bu,P,Bc,G |
| North | 7.1 | 7.1 | *Dodonaea baueri* | 1 | 1 | Bu,Gu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Sa=Salinity; Gu=Guildford grass

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Moores Rd** **Date:19/6/1996**

**Recorders: Rick Davies, Leanne Conry**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0.1 | 0.4 | *Beyeria subtecta* | 3 | 0 | V,Bu |
| North | 0.4 | 0.5 | *Beyeria subtecta* | 55 | 0 | V,Bu |
| North | 1.2 | 1.3 | *Grevillea muricata* | 2 | 1 | V,Bu |
| North | 1.3 | 1.4 | *Grevillea muricata* | 1 | 1 | V,Bu |
| North | 2.0 | 2.1 | *Phebalium equestre* | 1 | 1 | V,Bu |
| North | 2.4 | 2.4 | *Beyeria subtecta* | 4 | 0 | V,Bu |
| North | 2.7 | 2.7 | *Beyeria subtecta* | 1 | 0 | V,Bu |
| North | 3.0 | 3.1 | *Beyeria subtecta* | 7 | 0 | V,Bu |
| North | 3.7 | 3.7 | *Eutaxia microphylla* var. *diffusa* | 1 | 6 | Bu |
| North | 3.8 | 4.0 | *Dodonaea baueri* | 4 | 3-5 | V,Bu |
| North | 4.0 | 4.1 | *Grevillea muricata* | 1 | 4 | |
| South | 0.3 | 0.4 | *Dodonaea hexandra* | 25 | 1-4 | V,Bu |
| South | 0.3 | 0.4 | *Beyeria subtecta* | 20 | 0 | V,Bu |
| South | 0.6 | 0.6 | *Beyeria subtecta* | 3 | 0 | V,Bu |
| South | 1.3 | 1.4 | *Beyeria subtecta* | 1 | 0 | V,Bu |
| South | 1.3 | 1.4 | *Cyphanthera myosotidea* | 1 | 1 | V,Bu |
| South | 1.9 | 1.9 | *Phebalium equestre* | 2 | 1 | Bu |
| South | 2.5 | 3.4 | *Beyeria subtecta* | 46 | 0-4 | V,Bu |
| South | 3.5 | 3.5 | *Dodonaea baueri* | 4 | 4-5 | V,Bu |
| South | 4.7 | 4.7 | - | | - | Bv |

**Key:** Bu=Bulldozing; Bv=Bridal veil; V=Perennial veldt grass

## APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT

**Road: Red Banks Rd** **Date:12/7/1996**

**Recorders: Rick Davies, Tyrone Brett, Pam Harvey**

| Side of road | Distance (kms) from Pt Morrison Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0.1 | 0.2 | *Eutaxia microphylla* var. *diffusa* | 1 | 1-2 | P,Bu |
| North | 2.5 | 2.6 | *Dodonaea baueri* | 3 | 2-9 | Bc,Bu |
| North | 2.7 | 2.7 | *Acacia acinacea* | 1 | 2 | Bu |
| North | 2.9 | 3.0 | *Dodonaea baueri* | 1 | 2 | Bu |
| North | 3.4 | 3.5 | *Eutaxia microphylla* var. *diffusa* | 1 | 4 | Bu |
| North | 3.7 | 3.8 | *Dodonaea baueri* | 1 | 4 | Bu,P |
| South | 2.3 | 2.7 | *Acacia acinacea* | 9 | 1-9 | Bu,Bc |
| South | 2.9 | 3.0 | *Eutaxia microphylla* var. *diffusa* | 1 | 7 | Bu |
| South | 2.9 | 3.0 | *Acacia acinacea* | 4 | 0-6 | Bu |
| South | 3.1 | 3.2 | *Acacia acinacea* | 3 | 0-6 | Bu |
| South | 3.7 | 3.7 | *Dodonaea baueri* | 1 | 0-2 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; P=Phalaris

**Road: Point Morrison** **Date:12/7/1996**

**Recorders: Rick Davies, Tyrone Brett, Pam Harvey**

| Side of road | Distance (kms) from Red Banks Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 1.3 | 1.4 | *Eutaxia microphylla* var. *diffusa* | 1 | 2.5 | Bu |

**Key:** Bu=Bulldozing

## APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT

**Road: Boundary Rd** **Date:8/7/1996**
**Recorders: Rick Davies, Pam Harvey, Tyrone Brett**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0.1 | 0.2 | *Cyphanthera myosotidea* | 3 | 2-3 | Bu |
| East | 0.6 | 1.1 | *Dodonaea baueri* | 20 | 0-6 | Bu,P,Bc |
| East | 1.5 | 1.8 | *Beyeria subtecta* | 9 | 0-5 | Bu,Bc |
| East | 2.4 | 3.2 | *Beyeria subtecta* | 29 | 1-6 | Bu,Bc |
| East | 3.1 | 3.1 | *Logania linifolia* | 1 | 3 | Bu |
| East | 3.4 | 3.5 | *Dodonaea baueri* | 1 | 2 | Bu |
| East | 3.4 | 3.5 | *Beyeria subtecta* | 1 | 2 | Bu |
| East | 3.4 | 3.5 | *Logania linifolia* | 3 | 2-4 | Bu |
| East | 4.6 | 4.7 | *Dodonaea baueri* | 3 | 2-3 | Bu |
| East | 5.0 | 5.1 | *Dodonaea baueri* | 1 | 1 | Bu |
| East | 6.4 | 6.5 | *Dodonaea baueri* | 2 | 2-3 | Bu |
| West | 0.5 | 0.6 | *Lomandra micrantha* ssp. *micrantha* | 7 | 0-2 | Bu,P,Bc |
| West | 0.8 | 0.9 | *Dodonaea baueri* | 1 | 1-2 | Bu,Bc |
| West | 1.1 | 1.2 | *Dodonaea baueri* | 12 | 0-5 | Bu,Bc |
| West | 1.4 | 2.0 | *Beyeria subtecta* | 32 | 0-5 | Bu,Bc |
| West | 2.8 | 2.9 | *Beyeria subtecta* | 1 | 4 | Bu,Bc |
| West | 3.4 | 3.5 | *Dodonaea baueri* | 2 | 2-5 | Bu |
| West | 4.2 | 4.6 | *Beyeria subtecta* | 6 | 1-5 | Bu |
| West | 4.5 | 4.6 | *Dodonaea baueri* | 4 | 0-4 | Bu |
| West | 4.9 | 5.0 | *Olearia microdisca* | 1 | 1 | Bu,Bc |
| West | 5.0 | 5.1 | *Dodonaea baueri* | 1 | 3-5 | Bu,Bc |
| West | 5.4 | 5.5 | *Dodonaea baueri* | 1 | 3 | Bu |
| West | 5.9 | 6.0 | *Dodonaea baueri* | 2 | 2 | Bu,S |
| West | 6.1 | 6.2 | *Acacia acinacea* | 1 | 6 | Bu |
| West | 6.2 | 6.3 | *Acacia acinacea* | 1 | 4-5 | Bu |
| West | 6.3 | 6.5 | *Dodonaea baueri* | 17 | 2-5 | Bu,Bc,S |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop

**Road: Formed road reserve starting at Boundary Rd, 3 kms north of Hog Bay Road**
**Recorders: Rick Davies,** **Date:10/7/1996**

| Side of road | Distance (kms) from Boundary Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0 | 0.1 | *Grevillea muricata* | 1 | 2 | Bu |
| South | 0 | 0.4 | *Beyeria subtecta* | 28 | 1-3 | Bu |
| South | 0 | 0.3 | *Grevillea muricata* | 12 | 1-5 | Bu |

**Key:** Bu=Bulldozing

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road:Willsons Rd** **Date: 22-24/7/1996**
**Recorders: Rick Davies, Yvonne Steed, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0.0 | 0.1 | *Lomandra micrantha* | 3 | 1 | Bu,Bc |
| North | 0 | 0.4 | *Beyeria subtecta* | 176 | 0-7 | Bu,Bc |
| North | 0.1 | 0.2 | *Dodonaea baueri* | 17 | 3-9 | Bc,Bu |
| North | 0.1 | 0.2 | *Eremophila behriana* | 1 | 4 | Bu |
| North | 0.1 | 0.2 | *Lomandra micrantha* ssp. *micrantha* | 8 | 2-4 | Bu |
| North | 0.1 | 0.3 | *Logania linifolia* | 24 | 3-9 | Bu |
| North | 0.1 | 0.4 | *Grevillea muricata* | 97 | 3-8 | Bu,Bc |
| North | 0.2 | 0.3 | *Dodonaea hexandra* | 11 | 3-6 | Bu |
| North | 0.3 | 0.4 | *Spyridium eriocephalum* var. *glabrisepalum* | 19 | 4-6 | Bc,Bu |
| North | 0.4 | 0.5 | *Beyeria subtecta* | 68 | 1-4 | Bu |
| North | 0.4 | 0.5 | *Dodonaea hexandra* | 2 | 4 | Bu,Bc |
| North | 0.4 | 0.5 | *Grevillea muricata* | 4 | 4-8 | Bu,Bc |
| North | 0.6 | 0.7 | *Dodonaea baueri* | 37 | 3-6 | Bu,Bc |
| North | 0.6 | 0.7 | *Grevillea muricata* | 11 | 3-6 | Bu,Bc |
| North | 0.6 | 0.7 | *Lomandra micrantha* ssp. *micrantha* | 1 | 4 | Bu |
| North | 0.6 | 0.7 | *Spyridium eriocephalum* var. *glabrisepalum* | 21 | 3-6 | Bu,Bc |
| North | 0.6 | 1.4 | *Beyeria subtecta* | 282 | 1-10 | Bu |
| North | 0.7 | 0.9 | *Spyridium eriocephalum* var. *glabrisepalum* | 89 | 3-6 | Bu |
| North | 0.7 | 1.0 | *Logania linifolia* | 7 | 5-11 | Bu |
| North | 0.7 | 1.4 | *Dodonaea baueri* | 145 | 3-9 | Bu |
| North | 1.0 | 1.4 | *Spyridium eriocephalum* var. *glabrisepalum* | 147 | 3-15 | Bu |
| North | 1.1 | 1.2 | *Logania linifolia* | 1 | 4 | Bu |
| North | 1.2 | 1.4 | *Lomandra micrantha* ssp. *micrantha* | 13 | 0-6 | Bu |
| North | 1.4 | 1.5 | *Grevillea muricata* | 20 | 3-6 | Bu,S |
| North | 1.4 | 1.9 | *Beyeria subtecta* | 169 | 2-7 | Bu,S |
| North | 1.4 | 1.9 | *Dodonaea baueri* | 113 | 2-6 | Bu,S |
| North | 1.4 | 1.9 | *Spyridium eriocephalum* var. *glabrisepalum* | 257 | 3-15 | Bu,S |
| North | 1.5 | 1.9 | *Grevillea muricata* | 18 | 2-6 | Bu,S |
| North | 1.9 | 2.0 | *Logania linifolia* | 10 | 0.5 | Bu |
| North | 1.9 | 2.0 | *Lomandra micrantha* ssp. *micrantha* | 2 | 2 | Bu |
| North | 1.9 | 2.0 | *Spyridium eriocephalum* var. *glabrisepalum* | 150+ | 3-6 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Willsons Rd (continued)** **Date:22-24/7/1996**
**Recorders: Rick Davies, Yvonne Steed, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 1.9 | 2.2 | *Beyeria subtecta* | 232 | 0-6 | Bu |
| North | 1.9 | 2.2 | *Grevillea muricata* | 63 | 0-6 | Bu |
| North | 1.9 | 3.1 | *Dodonaea baueri* | 683 | 0-8 | Bu |
| North | 2.0 | 2.1 | *Spyridium eriocephalum* var. *glabrisepalum* | 8 | 4-10 | Bu |
| North | 2.2 | 2.3 | *Logania linifolia* | 5 | 10 | |
| North | 2.2 | 2.6 | *Beyeria subtecta* | 15 | 1-8 | Bu |
| North | 2.3 | 2.4 | *Eremophila behriana* | 3 | 4 | Bu |
| North | 2.3 | 2.5 | *Spyridium eriocephalum* var. *glabrisepalum* | 19 | 1-10 | Bu |
| North | 2.3 | 2.6 | *Logania linifolia* | 7 | 5-8 | Bu |
| North | 2.5 | 2.7 | *Lomandra micrantha* ssp. *micrantha* | 4 | 0-4 | Bu |
| North | 2.6 | 2.7 | *Logania linifolia* | 22 | 1-10 | Bu |
| North | 2.6 | 2.7 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 8 | Bu |
| North | 2.6 | 2.8 | *Eremophila behriana* | 10 | 0-8 | Bu |
| North | 2.6 | 3.1 | *Beyeria subtecta* | 159 | 0-7 | Bu |
| North | 2.7 | 2.8 | *Spyridium eriocephalum* var. *glabrisepalum* | 45 | 8-15 | Bu,R |
| North | 2.8 | 2.9 | *Logania linifolia* | 2 | 0-10 | Bu |
| North | 2.8 | 2.9 | *Spyridium eriocephalum* var. *glabrisepalum* | 28 | 8-15 | |
| North | 2.8 | 3.5 | *Grevillea muricata* | 292 | 0-7 | Bu |
| North | 2.9 | 3.1 | *Spyridium eriocephalum* var. *glabrisepalum* | 4 | 4-8 | Bu |
| North | 3.0 | 3.1 | *Dodonaea hexandra* | 1 | 0.5 | Bu |
| North | 3.1 | 3.5 | *Beyeria subtecta* | 13 | 0-6 | Bu |
| North | 3.5 | 3.6 | *Grevillea muricata* | 85 | 0-6 | Bc,Bu |
| North | 3.6 | 3.7 | *Dodonaea hexandra* | 1 | 10 | |
| North | 3.6 | 3.7 | *Grevillea muricata* | 39 | 2-6 | Bu |
| North | 3.6 | 3.7 | *Lomandra micrantha* ssp. *micrantha* | 1 | 10 | |
| North | 3.6 | 3.8 | *Spyridium eriocephalum* var. *glabrisepalum* | 9 | 6-10 | |
| North | 3.7 | 3.8 | *Grevillea muricata* | 180 | 1-6 | S |
| North | 3.8 | 3.9 | *Beyeria subtecta* | 21 | 2-6 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; R=Rubbish

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Willsons Rd (continued)** **Date:22-24/7/1996**
**Recorders: Rick Davies, Yvonne Steed, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | No. of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 3.8 | 3.9 | *Dodonaea hexandra* | 7 | 10 | Bc |
| North | 3.8 | 3.9 | *Grevillea muricata* | 169 | 2-6 | V |
| North | 3.8 | 3.9 | *Spyridium eriocephalum* var. *glabrisepalum* | 2 | 0.5-4 | Bc |
| North | 3.9 | 4.0 | *Dodonaea baueri* | 1 | 2 | Bu |
| North | 3.9 | 4.0 | *Grevillea muricata* | 21 | 1-4 | Bu |
| North | 3.9 | 4.3 | *Beyeria subtecta* | 172 | 1-4 | V,Bc,Bu |
| North | 4.1 | 4.2 | *Grevillea muricata* | 7 | 0.5-4 | V,Bc,Bu |
| North | 4.2 | 4.3 | *Grevillea muricata* | 4 | 1-3 | Bc |
| North | 4.2 | 4.3 | *Logania linifolia* | 3 | 5 | V,Bc,Bu |
| North | 4.2 | 4.4 | *Lomandra micrantha* ssp. *micrantha* | 2 | 6-8 | V,Bu |
| North | 4.3 | 4.4 | *Beyeria subtecta* | 115 | 0-3 | Bu,V |
| North | 4.3 | 4.4 | *Logania linifolia* | 6 | 3 | V,Bu |
| North | 4.3 | 4.7 | *Grevillea muricata* | 202 | 0-4 | V,Bu |
| North | 4.4 | 4.5 | *Beyeria subtecta* | 133 | 0-4 | V,Bc,Bu |
| North | 4.4 | 4.5 | *Lomandra micrantha* ssp. *micrantha* | 7 | 0.5-6 | Bc |
| North | 4.5 | 4.6 | *Logania linifolia* | 1 | 3 | Bu |
| North | 4.5 | 4.7 | *Beyeria subtecta* | 171 | 0-4 | V,Bu |
| North | 4.5 | 4.7 | *Lomandra micrantha* ssp. *micrantha* | 9 | 0-6 | V,Bu |
| North | 4.7 | 4.8 | *Beyeria subtecta* | 6 | 0-4 | V,Bc,Bu |
| North | 4.7 | 4.8 | *Grevillea muricata* | 65 | 0-4 | V,Bc,Bu |
| North | 4.7 | 4.8 | *Lomandra micrantha* ssp. *micrantha* | 5 | 1-2 | V,Bc,Bu |
| North | 4.9 | 5.4 | *Beyeria subtecta* | 18 | 0-4 | Bu,Bc |
| North | 5.1 | 5.2 | *Lomandra micrantha* ssp. *micrantha* | 1 | 4 | V,Bc,Bu |
| North | 5.3 | 5.4 | *Acacia* sp. nov. aff. *halliana* | 1 | 2 | Bu,V,Bc |
| North | 5.4 | 5.5 | *Acacia* sp. nov. aff. *halliana* | 10 | 2-4 | V,P,Bc,Bu |
| North | 5.4 | 5.5 | *Dodonaea baueri* | 7 | 4 | V,P,Bc,Bu |
| North | 5.4 | 5.5 | *Lomandra micrantha* ssp. *micrantha* | 1 | 6 | Bu |
| North | 5.5 | 5.6 | *Spyridium eriocephalum var. glabrisepalum* | 1 | 4 | Bc,Bu |
| North | 5.5 | 5.8 | *Grevillea muricata* | 7 | 0-4 | V,Bc,Bu |
| North | 5.7 | 5.8 | *Grevillea muricata* | 3 | 2 | V,Bc,Bu |
| North | 5.7 | 5.8 | *Lomandra micrantha* ssp. *micrantha* | 1 | 0 | V,Bc,Bu |
| North | 5.8 | 5.9 | *Acacia* sp. nov. aff. *halliana* | 3 | 0.5-4 | V,Bc,Bu |
| North | 5.8 | 5.9 | *Dodonaea baueri* | 1 | 2 | V,Bc,Bu |
| North | 5.9 | 6.0 | *Grevillea muricata* | 4 | 1 | V,Bc,Bu |
| North | 6.0 | 6.2 | *Grevillea muricata* | 8 | 0-2 | V,Bu |
| North | 6.1 | 6.2 | *Lomandra micrantha* ssp. *micrantha* | 1 | 1 | V,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Willsons Rd (continued)** **Date:22-24/7/1996**
**Recorders: Rick Davies, Yvonne Steed, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | No. of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| South | 0.0 | 0.1 | *Beyeria subtecta* | 18 | 0-12 | Bu,P,Bc |
| South | 0 | 0.1 | *Lomandra micrantha* ssp. *micrantha* | 97 | 1-4 | Bc,Bu |
| South | 0 | 0.2 | *Dodonaea baueri* | 5 | 0-2 | Bc,Bu |
| South | 0 | 0.2 | *Eremophila behriana* | 3 | 0-2 | Bc,Bu |
| South | 0.1 | 0.2 | *Lomandra micrantha* ssp. *micrantha* | 81 | 1-4 | Bc,Bu |
| South | 0.2 | 0.3 | *Lomandra micrantha* ssp. *micrantha* | 8 | 1-3 | Bc,Bu |
| South | 0.2 | 0.8 | *Beyeria subtecta* | 30 | 0-4 | Bc,Bu |
| South | 0.4 | 0.5 | *Lomandra micrantha* ssp. *micrantha* | 1 | 2 | Bc,Bu |
| South | 0.6 | 0.7 | *Dodonaea baueri* | 2 | 2-3 | Bc, Bu |
| South | 0.6 | 0.7 | *Eremophila behriana* | 1 | 3 | Bc,Bu |
| South | 0.6 | 0.7 | *Logania linifolia* | 1 | 2 | Bc,Bu |
| South | 0.6 | 0.9 | *Lomandra micrantha* ssp. *micrantha* | 9 | 3-4 | Bc,Bu |
| South | 0.8 | 0.9 | *Eremophila behriana* | 5 | 1 | Bc,Bu |
| South | 1.0 | 1.2 | *Beyeria subtecta* | 7 | 1-3 | Bu,Bc |
| South | 1.0 | 1.2 | *Lomandra micrantha* ssp. *micrantha* | 18 | 1-4 | Bc,Bu |
| South | 1.1 | 1.2 | *Dodonaea baueri* | 2 | 2 | Bc, Bu |
| South | 1.2 | 1.3 | *Logania linifolia* | 1 | 2 | Bu,Bc |
| South | 1.3 | 1.4 | *Eremophila behriana* | 1 | 2 | Bu,Bc |
| South | 1.3 | 1.5 | *Lomandra micrantha* ssp. *micrantha* | 89 | 1-5 | Bc,Bu |
| South | 1.4 | 1.5 | *Beyeria subtecta* | 1 | 1 | Bu, Bc |
| South | 1.4 | 1.7 | *Dodonaea baueri* | 41 | 1-5 | Bu |
| South | 1.5 | 1.6 | *Logania linifolia* | 1 | 1.5 | Bu |
| South | 1.5 | 1.8 | *Lomandra micrantha* ssp. *micrantha* | 9 | 1-5 | Bu |
| South | 1.5 | 1.8 | *Spyridium eriocephalum* var. *glabrisepalum* | 8 | 1-3 | Bu |
| South | 1.6 | 1.7 | *Beyeria subtecta* | 8 | 1-5 | Bu, Bc |
| South | 1.7 | 1.8 | *Beyeria subtecta* | 1 | 1 | Bu, |
| South | 1.7 | 1.8 | *Grevillea muricata* | 1 | 1 | Bu |
| South | 1.8 | 1.9 | *Dodonaea baueri* | 9 | 1.5 | Bu |
| South | 1.9 | 2.0 | *Beyeria subtecta* | 3 | 2 | Bu, |
| South | 1.9 | 2.0 | *Eremophila behriana* | 3 | 2 | Bu |
| South | 1.9 | 2.0 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 1 | Bu |
| South | 1.9 | 2.1 | *Logania linifolia* | 13 | 1-2 | Bu |
| South | 2.0 | 2.1 | *Beyeria subtecta* | 30 | 1-3 | Bu, |
| South | 2.0 | 2.1 | *Dodonaea baueri* | 20 | 1-6 | Bu |
| South | 2.0 | 2.2 | *Grevillea muricata* | 28 | 1-6 | Bu |
| South | 2.1 | 2.5 | *Beyeria subtecta* | 14 | 1-6 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Willsons Rd (continued)** **Date:22-24/7/1996**
**Recorders: Rick Davies, Yvonne Steed, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | No. of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| South | 2.2 | 2.3 | *Dodonaea baueri* | 3 | 2 | Bu |
| South | 2.4 | 2.5 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 3 | Bu |
| South | 2.4 | 3.1 | *Dodonaea baueri* | 70 | 1-6 | Bu |
| South | 2.5 | 2.7 | *Eremophila behriana* | 11 | 6-8 | Bu |
| South | 2.7 | 2.8 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 2 | Bu |
| South | 2.8 | 2.9 | *Eremophila behriana* | 4 | 1-3 | Bu |
| South | 2.8 | 2.9 | *Grevillea muricata* | 1 | 1-6 | Bu |
| South | 2.8 | 3.1 | *Beyeria subtecta* | 147 | 1-6 | Bu |
| South | 2.9 | 3.4 | *Grevillea muricata* | 73 | 0-6 | Bu |
| South | 3.1 | 3.2 | *Dodonaea hexandra* | 1 | 2 | Bu |
| South | 3.1 | 3.4 | *Beyeria subtecta* | 4 | 0-5 | Bu |
| South | 3.2 | 3.3 | *Dodonaea baueri* | 1 | 1 | Bu |
| South | 3.2 | 3.3 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 2 | Bu |
| South | 3.3 | 3.4 | *Dodonaea hexandra* | 2 | 3-4 | Bu |
| South | 3.7 | 3.8 | *Beyeria subtecta* | 7 | 1-2 | Bu |
| South | 3.7 | 3.9 | *Grevillea muricata* | 10 | 1-5 | Bu,Bc |
| South | 3.8 | 4.3 | *Beyeria subtecta* | 163 | 0-4 | V,Bc,Bu |
| South | 4.2 | 4.3 | *Logania linifolia* | 1 | 2 | V,Bc,Bu |
| South | 4.2 | 4.3 | *Lomandra micrantha* ssp. *micrantha* | 3 | 2 | V,Bc,Bu |
| South | 4.3 | 4.4 | *Beyeria subtecta* | 13 | 2 | Bu,V |
| South | 4.3 | 4.4 | *Logania linifolia* | 2 | 0-2 | V,Bu |
| South | 4.4 | 4.5 | *Lomandra micrantha* ssp. *micrantha* | 1 | 0 | Bu |
| South | 4.4 | 4.7 | *Beyeria subtecta* | 22 | 2-3 | V,Bc,Bu |
| South | 4.5 | 4.6 | *Lomandra micrantha* ssp. *micrantha* | 3 | 0 | V,Bc,Bu |
| South | 4.5 | 4.8 | *Grevillea muricata* | 35 | 0-3 | V,Bu,Bc |
| South | 4.7 | 4.8 | *Beyeria subtecta* | 2 | 0.5 | V,Bu |
| South | 4.7 | 4.9 | *Lomandra micrantha* ssp. *micrantha* | 17 | 0-2 | V,Bc,Bu |
| South | 4.8 | 4.9 | *Dodonaea baueri* | 1 | 3 | Bu |
| South | 4.9 | 5.0 | *Beyeria subtecta* | 4 | 1-3 | V,Bu |
| South | 4.9 | 5.0 | *Grevillea muricata* | 1 | 1-3 | V,Bu |
| South | 4.9 | 5.0 | *Lomandra micrantha* ssp. *micrantha* | 3 | 1-3 | V,Bu |
| South | 5.0 | 5.1 | *Dodonaea baueri* | 1 | 3 | Bc,Bu |
| South | 5.0 | 5.1 | *Logania linifolia* | 3 | 2 | Bu |
| South | 5.0 | 5.2 | *Beyeria subtecta* | 37 | 1-2 | Bc,Bu |
| South | 5.2 | 5.3 | *Beyeria subtecta* | 15 | 1-2 | Bu |
| South | 5.2 | 5.3 | *Grevillea muricata* | 2 | 1 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Willsons Rd** **Date:22-24/7/1996**
**Recorders: Rick Davies, Yvonne Steed, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| South | 5.2 | 5.3 | *Lomandra micrantha* ssp. *micrantha* | 1 | 3 | Bu |
| South | 5.3 | 5.3 | *Logania linifolia* | 1 | 3 | Bu |
| South | 5.3 | 5.4 | *Acacia* sp. nov. aff. *halliana* | 4 | 0-1 | Bu |
| South | 5.3 | 5.4 | *Dodonaea baueri* | 2 | 2-5 | Bu |
| South | 5.3 | 5.4 | *Grevillea muricata* | 2 | 8 | Bu,Bc |
| South | 5.3 | 5.5 | *Beyeria subtecta* | 13 | 1-2 | Bc,Bu |
| South | 5.4 | 5.5 | *Acacia* sp. nov. aff. *halliana* | 8 | 1-4 | Bc,Bu |
| South | 5.4 | 5.5 | *Dodonaea baueri* | 10 | 2-3 | P,Bc,Bu |
| South | 5.4 | 5.6 | *Logania linifolia* | 7 | 0-3 | Bc,Bu |
| South | 5.5 | 5.6 | *Dodonaea baueri* | 5 | 1-3 | Bc,Bu |
| South | 5.5 | 5.6 | *Lomandra micrantha* ssp. *micrantha* | 6 | 2 | Bc,Bu |
| South | 5.5 | 6.1 | *Grevillea muricata* | 92 | 0-4 | V,Bc,Bu |
| South | 5.7 | 6.1 | *Lomandra micrantha* ssp. *micrantha* | 11 | 1-2 | V,Bc,Bu |
| South | 6.1 | 6.2 | *Beyeria subtecta* | 3 | 2 | V, Bu |
| South | 6.1 | 6.2 | *Grevillea muricata* | 26 | 3 | V,Bu |
| South | 6.1 | 6.2 | *Lomandra micrantha* ssp. *micrantha* | 1 | 2 | V,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop

**Road: Willsons Rd** **Date: 25/7/1996**
**Recorders: Rick Davies, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) west from Hd Line Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0 | 0.1 | *Beyeria subtecta* | 1 | 3 | Bu |
| North | 0 | 0.1 | *Lomandra micrantha* ssp. *micrantha* | 1 | 4 | Bu |
| North | 0.4 | 0.5 | *Dodonaea baueri* | 3 | 2 | Bu,Bc |
| South | 0 | 0.2 | *Beyeria subtecta* | 17 | 2-4 | Bu |
| South | 0 | 0.2 | *Grevillea muricata* | 4 | 1-3 | Bu |

**Key:** Bu=Bulldozing; Bc=Bridal Creeper

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Halls Rd** **Date:24/6/1996**

**Recorders: Rick Davies, Lisa Patterson, Matilde Hoeyberg**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0 | 0.8 | *Beyeria subtecta* | 110 | 0-5 | V,(P),Bc,Bu,(S) |
| East | 0.1 | 0.2 | *Eremophila behriana* | 2 | 1-5 | Bc |
| East | 0.1 | 0.2 | *Pultenaea teretifolia* var. *brachyphylla* | 1 | 1 | Bc |
| East | 0.2 | 0.3 | *Eremophila behriana* | 1 | 1 | V,Bc |
| East | 0.5 | 0.6 | *Grevillea muricata* | 1 | 1 | V,Bc |
| East | 0.9 | 1.1 | *Beyeria subtecta* | 18 | 1-2 | V,Bc |
| East | 1.3 | 1.4 | *Pultenaea insularis* | 1 | 1-4 | V,Bc |
| East | 1.7 | 1.8 | *Dodonaea hexandra* | 1 | 3 | |
| East | 1.9 | 1.9 | *Grevillea muricata* | 1 | 8 | Bc,Sa |
| East | 2.3 | 2.4 | *Daviesia arenaria* | 1 | 0 | V,Bu |
| East | 2.5 | 2.7 | *Eutaxia microphylla* var. *diffusa* | 42 | 0-4 | V,P,Bc,Bu,S |
| East | 2.6 | 2.6 | *Dodonaea baueri* | 4 | 5 | |
| West | 0.2 | 0.4 | *Dodonaea baueri* | 2 | 6-8 | V,Bc,Bu |
| West | 0.2 | 0.5 | *Beyeria subtecta* | 12 | 1-9 | V,Bc,Bu |
| West | 0.3 | 0.4 | *Eremophila behriana* | 8 | 7 | V,Bc |
| West | 0.4 | 0.5 | *Beyeria subtecta* | 60 | 0-7 | V,Bc,Bu |
| West | 0.5 | 0.7 | *Beyeria subtecta* | 2 | 1-4 | V,Bc,Bu |
| West | 0.8 | 1.0 | *Grevillea muricata* | 2 | 1-2 | V,Bc,Bu |
| West | 0.9 | 1.0 | *Beyeria subtecta* | 123 | 0-7 | V,(P),Bc,Bu,(G) |
| West | 1.2 | 1.3 | *Pultenaea insularis* | 4 | 0-3 | V,Bc,Bu |
| West | 1.2 | 1.3 | *Logania linifolia* | 1 | 2 | V |
| West | 1.6 | 1.8 | *Grevillea muricata* | 3 | 2 | Bu |
| West | 1.8 | 1.9 | *Pultenaea insularis* | 6 | 0-2 | V,Bc,Bu |
| West | 2.1 | 2.2 | *Daviesia arenaria* | 1 | 1 | V,Bu |
| West | 2.4 | 2.5 | *Daviesia arenaria* | 1 | 3 | |
| West | 2.5 | 2.7 | *Eutaxia microphylla* var. *diffusa* | 16 | 0-3 | V,Bc,Bu,S |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; Gi=Guildford grass; Sa=Salinity

## APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT

**Road: Moores Rd** **Date:20/6/1996**

**Recorders: Rick Davies, Leanne Conry**

| Side of road | Distance (kms) from Hd Line Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0.7 | 0.7 | *Pultenaea insularis* | 4 | 1 | V,Bv,Bu |
| North | 0.9 | 1.0 | *Pultenaea insularis* | 2 | 2 | V |
| North | 1.1 | 1.1 | *Pultenaea insularis* | 5 | 4 | V |
| North | 2.1 | 2.2 | *Pultenaea insularis* | 19 | 0-5 | V,Bc |
| North | 3.0 | 3.0 | *Grevillea muricata* | 1 | 2 | |
| North | 3.3 | 3.3 | *Grevillea muricata* | 1 | 2 | V,G |
| South | 0 | 0.1 | *Pultenaea insularis* | 3 | 4-5 | Bu |
| South | 0.6 | 1.2 | *Pultenaea insularis* | 31 | 1-5 | Bc,Bv,Bu |
| South | 0.7 | 0.7 | *Dodonaea hexandra* | 2 | 5 | Bv |
| South | 1.1 | 1.2 | *Dodonaea hexandra* | 1 | 3 | Bu |
| South | 2.8 | 3.0 | *Grevillea muricata* | 7 | 0-1 | |
| South | 3.5 | 3.6 | *Grevillea muricata* | 4 | 1-4 | V,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; Bv=Bridal veil; V=Perennial veldt grass; G=grazing

**Road: Milkys Rd** **Date: 27/6/1996**

**Recorders: Rick Davies, Matilde Hoeyberg, Lisa Paterson**

| Side of road | Distance (kms) from Halls Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 2.4 | 3.5 | *Baumea juncea* | patches | 0 | V,P,Bu |
| East | 4.3 | 4.5 | *Cyphanthera myosotidea* | 12 | 1-5 | Bu |
| East | 6.1 | 6.2 | *Grevillea muricata* | 4 | 0-2 | |
| East | 6.1 | 6.3 | *Logania linifolia* | 1 | 1-2 | |
| East | 6.4 | 6.5 | *Logania linifolia* | 1 | 1 | |
| East | 6.5 | 6.7 | *Cyphanthera myosotidea* | 7 | 0-1 | Bu |
| West | 0.1 | 0.1 | *Dodonaea baueri* | 2 | 5-7 | V,Bu |
| West | 2.4 | 3.5 | *Baumea juncea* | patches | 0 | V,P,Bu |
| West | 6.1 | 6.3 | *Logania linifolia* | 18 | 0-3 | |
| West | 6.6 | 6.7 | *Cyphanthera myosotidea* | 1 | 1 | |
| West | 6.8 | 6.9 | *Baumea juncea* | Patch | 0 | |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop; G=grazing

## APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT

**Road: Barretts Rd** **Date: 27/6/1996**

**Recorders: Rick Davies, Matilde Hoeyberg, Lisa Paterson**

| Side of road | Distance (kms) from 3 Chain Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0.1 | 0.1 | *Prostanthera chlorantha* | 1 | 2 | |
| North | 0.2 | 0.2 | *Logania linifolia* | 2 | 1 | |
| North | 0.5 | 0.5 | *Logania linifolia* | 6 | 2 | |
| North | 0.7 | 0.8 | *Logania linifolia* | 14 | 2-5 | |
| North | 1.2 | 1.4 | *Phebalium equestre* | 18 | 1-3 | |
| North | 1.6 | 1.7 | *Phebalium equestre* | 2 | 1 | |
| North | 1.9 | 2.1 | *Phebalium equestre* | 7 | 0-5 | V,Bu |
| North | 2.0 | 2.3 | *Cyphanthera myosotidea* | 9 | 1-3 | Bu |
| North | 2.4 | 2.5 | - | - | - | Bc,Bv |
| North | 4.7 | 4.8 | *Cyphanthera myosotidea* | 2 | 1-2 | V,Bu |
| North | 5.1 | 5.3 | *Lomandra micrantha* spp. *tuberculata* | 3 | 1 | V,Bu |
| South | 0 | 0.2 | *Prostanthera chlorantha* | 10 | 1-4 | Bu |
| South | 0.7 | 0.8 | *Logania linifolia* | 9 | 0-4 | Bu |
| South | 1.1 | 1.2 | *Phebalium equestre* | 1 | 1 | |
| South | 1.2 | 1.4 | *Phebalium equestre* | 67 | 0-4 | Bu |
| South | 1.4 | 1.5 | *Baumea juncea* | patch | 0 | |
| South | 2.1 | 2.1 | *Phebalium equestre* | 1 | 2 | V,Bu |
| South | 5.0 | 5.1 | *Lomandra micrantha* ssp. *tuberculata* | 2 | 1-2 | V,Bu |
| South | 5.7 | 5.7 | - | - | - | Bv |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; Bv=Bridal veil; V=Perennial veldt grass

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Hundred Line Rd** **Date:18-19/7/1996**

**Recorders: Rick Davies, Ben Shepherd, Mark Warren**

| Side of road | Distance (kms) south from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0 | 0.2 | *Lawrencia spicata* | 100+ | ? | Bu |
| East | 0.4 | 0.4 | *Lomandra micrantha* ssp. *micrantha* | 10+ | 23 | Bc,Bu |
| East | 0.4 | 0.4 | *Spyridium spathulatum* | 1 | 23 | Bc,Bu,R,S |
| East | 0.4 | 0.5 | *Olearia microdisca* | 2 | 14-33 | Bu,T,Sp |
| East | 0.4 | 0.5 | *Dodonaea baueri* | 2 | 33 | T,Sp |
| East | 0.4 | 0.5 | *Lomandra micrantha* ssp. *micrantha* | 1 | 33 | T,Sp |
| East | 0.4 | 0.5 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 35 | T,Sp |
| East | 0.5 | 0.6 | *Grevillea muricata* | 8 | 1-4 | Bu,Bc |
| East | 0.6 | 1.7 | *Lomandra micrantha* ssp. *micrantha* | 100+ | ? | Bu,Bc,P |
| East | 0.6 | 1.7 | *Stipa nitida/nodosa* | 100+ | ? | Bu,Bc,P |
| East | 2.1 | 2.5 | *Lomandra micrantha* ssp. *micrantha* | ? | 0-4 | P,Bu,Bc, Gu |
| East | 3.3 | 3.5 | *Grevillea muricata* | 3 | 0-5 | Bu,Sp,Gu |
| East | 4.2 | 4.7 | *Grevillea muricata* | 19 | 0-4 | Bu,Gu |
| West | 0 | 0.2 | *Lawrencia spicata* | 100+ | ? | Bu |
| West | 0.4 | 0.4 | *Lomandra micrantha* ssp. *micrantha* | 1 | 6 | V,Bc |
| West | 0.5 | 0.6 | *Grevillea muricata* | 2 | 3 | Bu |
| West | 0.5 | 0.6 | *Dodonaea baueri* | 2 | 36 | V,Bc,Bu |
| West | 0.5 | 0.6 | *Grevillea muricata* | 2 | 3 | Bu |
| West | 0.5 | 0.6 | *Dodonaea baueri* | 2 | 36 | V,Bc,Bu |
| West | 0.5 | 1.7 | *Lomandra micrantha* ssp. *micrantha* | 100+ | ? | Bu,Bc,P |
| West | 0.6 | 1.7 | *Stipa nitida/nodosa* | 100+ | ? | Bu,Bc,P |
| West | 1.3 | 1.4 | *Spyridium eriocephalum* var. *glabrisepalum* | 1 | 0 | Bu |
| West | 1.3 | 1.4 | *Olearia microdisca* | 1 | 0 | Bu,Bc |
| West | 2.5 | 3.0 | *Stipa nitida/nodosa* | ? | ? | P,Bc,Bu,Gu |
| West | 3.1 | 3.2 | *Olearia microdisca* | 2 | 19 | Bc,E,O |
| West | 3.1 | 3.2 | *Spyridium eriocephalum* var. *glabrisepalum* | 4 | 9 | P,Bc,E,O |
| West | 3.1 | 3.4 | *Dodonaea hexandra* | 6 | 5-9 | P,Bu |
| West | 3.1 | 3.5 | *Prostanthera chlorantha* | 26 | 6-19 | P,Bc,E,O |
| West | 3.2 | 4.7 | *Grevillea muricata* | 88 | 0-8 | Bc,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; T=Trampling; Gu=Guildford grass; O=Olives; E=Erosion; S=Sparaxis; R=Rubbish; S=Soursop

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Hundred Line Road** **Date:15/7/1996**

**Recorders: Rick Davies, Ben Shepherd, Mark Warren**

| Side of road | Distance (kms) north from Willsons Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0.1 | 0.3 | *Acacia* sp. nov. aff. *halliana* | 6 | 1-4 | V,Bc,Bu |
| East | 0.2 | 0.3 | *Eutaxia microphylla* var. *diffusa* | 3 | 1-5 | Bc,Bu |
| East | 0.3 | 0.4 | *Grevillea muricata* | 1 | 4 | V,Bc,Bu |
| East | 0.5 | 0.8 | *Acacia* sp. nov. aff. *halliana* | 14 | 2-3 | V,Bc,Bu,P,S |
| East | 0.6 | 0.8 | *Dodonaea baueri* | 5 | 2-3 | V,Bc,Bu,P,S |
| East | 1.1 | 1.2 | *Grevillea muricata* | 6 | 5 | V,Bu,S |
| East | 1.3 | 1.4 | *Grevillea muricata* | 7 | 1-3 | V,Bc,Bu,S |
| East | 1.7 | 1.8 | *Grevillea muricata* | 6 | 1 | V,Bc,Bu,S |
| West | 0.1 | 0.3 | *Dodonaea baueri* | 9 | 2-4 | V,Bc,Bu |
| West | 0.1 | 0.3 | *Acacia* sp. nov. aff. *halliana* | 8 | 2-5 | V,Bc,Bu |
| West | 0.2 | 0.3 | *Eutaxia microphylla* var. *diffusa* | 1 | 1-2 | V,Bu |
| West | 0.2 | 0.3 | *Logania linifolia* | 3 | 2 | V,Bu |
| West | 0.4 | 0.8 | *Dodonaea baueri* | 14 | 2-5 | V,Bc,Bu,P |
| West | 0.6 | 0.7 | *Logania linifolia* | 8 | 1-4 | V,Bc,Bu,P,S |
| West | 0.6 | 0.7 | *Spyridium eriocephalum* var. *glabrisepalum* | 2 | 4 | V,Bc,Bu,P |
| West | 0.6 | 0.8 | *Acacia* sp. nov. aff. *halliana* | 27 | 0-4 | V,Bc,Bu,P,S |
| West | 0.8 | 1.0 | *Beyeria subtecta* | 10 | 1-5 | V,Bc,Bu |
| West | 1.5 | 1.6 | *Grevillea muricata* | 9 | 1-4 | Bc,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; P=Phalaris; S=Soursop

## APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT

**Road: Hundred Line Rd** **Date:16/7/1996**

**Recorders: Rick Davies, Ben Shepherd, Mark Warren**

| Side of road | Distance (kms) south from Willsons Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0 | 0.1 | *Beyeria subtecta* | 6 | 3-5 | Bu |
| East | 0.1 | 0.1 | *Grevillea muricata* | 1 | 4 | Bu |
| East | 0.2 | 0.4 | *Eutaxia microphylla* var. *diffusa* | 65 | 0-5 | Bu |
| East | 1.5 | 1.6 | *Lomandra micrantha* ssp. *tuberculata* | 3 | 1 | V,Bu |
| East | 1.8 | 1.9 | *Lomandra micrantha* ssp. *tuberculata* | 5 | 0-1 | V,Bu |
| East | 1.8 | 1.9 | *Grevillea muricata* | 10 | 0-4 | V,Bc,Bu |
| East | 2.4 | 2.5 | *Acacia acinacea* | 1 | 2 | V,Bc,Bu |
| East | 2.8 | 2.8 | *Logania linifolia* | 2 | 1-2 | V,Bc,Bu |
| East | 2.8 | 2.9 | *Lomandra micrantha* ssp. *tuberculata* | 2 | 0-1 | V,Bc,Bu |
| East | 2.9 | 3.4 | *Pultenaea insularis* | 6 | 1-3 | V,Bu |
| West | 0 | 0.1 | *Beyeria subtecta* | 4 | 4-6 | Bu,V |
| West | 0.3 | 0.4 | *Dodonaea baueri* | 2 | 6 | V,Bu,Bc |
| West | 0.4 | 0.4 | *Acacia* sp. nov. aff. *halliana* | 1 | 6 | V,Bu,Bc |
| West | 0.4 | 0.5 | *Eutaxia microphylla* var. *diffusa* | 3 | 3-5 | Bu,Bc,S |
| West | 0.4 | 0.5 | *Prostanthera chlorantha* | 3 | 3-4 | Bc,Bu |
| West | 1.3 | 1.4 | *Dodonaea baueri* | 3 | 2-5 | V,Bu,Bc,S |
| West | 1.8 | 1.8 | *Pultenaea insularis* | 3 | 1 | V,Bu |
| West | 1.8 | 2.0 | *Grevillea muricata* | 16 | 1-4 | V,Bc,Bu |
| West | 2.2 | 2.3 | *Dodonaea baueri* | 4 | 5 | V,Bu,Bc,P |
| West | 2.2 | 2.3 | *Acacia acinacea* | 1 | 5 | V,Bc,Bu |
| West | 2.2 | 2.4 | *Dodonaea baueri* | 3 | 4-6 | V,Bc,Bu |
| West | 2.3 | 2.4 | *Acacia acinacea* | 6 | 6 | V,Bc,Bu |
| West | 2.4 | 2.6 | *Pultenaea insularis* | 4 | 3-4 | V,Bc,Bu |
| West | 2.5 | 2.6 | *Acacia acinacea* | 1 | 4 | V,Bu |
| West | 2.6 | 2.9 | *Acacia farinosa* | 2+ | 2-3 | V,Bc,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; S=Soursop

## APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT

**Road: Hundred Line Rd** **Date:17/7/1996**
**Recorders: Rick Davies, Ben Shepherd, Mark Warren**

| Side of road | Distance (kms) south from Moores Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0 | 0.1 | *Pultenaea insularis* | 10 | 4-7 | V,Bu |
| East | 0.1 | 0.2 | *Logania linifolia* | 2 | 1 | V,Bu |
| East | 0.2 | 0.3 | *Pultenaea insularis* | 2 | 2-7 | V,Bu |
| East | 0.3 | 0.3 | *Logania linifolia* | 3 | 0-1 | V,Bu,Bc |
| East | 0.7 | 1.7 | *Pultenaea insularis* | 80 | 1-8 | V,Bu,Bc |
| East | 1.1 | 1.2 | *Logania linifolia* | 1 | 0 | V,Bu,Bc |
| East | 1.3 | 1.4 | *Logania linifolia* | 2 | 0-4 | V,Bu,Bc |
| East | 1.3 | 1.4 | *Dodonaea hexandra* | 1 | 2 | V,Bu,Bc |
| East | 3.5 | 3.6 | *Logania linifolia* | 1 | 0-1 | V,Bu |
| East | 2.8 | 3.6 | - | - | - | Bv |
| West | 0.2 | 0.4 | *Pultenaea insularis* | 9 | 3-4 | V,Bu,Bc |
| West | 0.6 | 1.7 | *Pultenaea insularis* | 117 | 1-8 | V,Bu,Bc |
| West | 2.2 | 2.3 | *Dodonaea baueri* | 1 | 4 | V,Bu |
| West | 2.4 | 3.6 | - | - | - | Bv |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; Bv=Bridal veil

**Road: South Coast Rd** **Date:20/7/1996**
**Recorders: Rick Davies, Ben Shepherd, Mark Warren**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| East | 0 | 2.2 | *Grevillea muricata* | 292 | | Bu |
| East | 3.2 | 3.2 | *Grevillea muricata* | 1 | 1 | Bu |
| East | 3.7 | 3.8 | *Grevillea muricata* | 4 | 0-2 | Bu |
| East | 5.1 | 5.2 | *Dodonaea baueri* | 1 | 4 | |
| East | 5.5 | 5.7 | *Prostanthera chlorantha* | 68 | 0-3 | S |
| East | 5.7 | 5.8 | *Dodonaea baueri* | 9 | 0-7 | Bu,S |
| East | 5.9 | 6.0 | *Prostanthera chlorantha* | 2 | 1 | Bu |
| East | 6.2 | 6.3 | *Dodonaea baueri* | 2 | 6 | Bu |
| East | 6.2 | 6.4 | *Dodonaea hexandra* | 2 | 1-6 | Bu |
| East | 6.7 | 6.9 | *Dodonaea hexandra* | 5 | 0-5 | Bu |
| West | 0 | 2.2 | *Grevillea muricata* | 226 | | Bu |
| West | 3.6 | 3.7 | *Grevillea muricata* | 6 | 0 | Bu,Bc |
| West | 5.2 | 5.3 | *Prostanthera chlorantha* | 2 | 2 | |
| West | 5.5 | 5.8 | *Dodonaea baueri* | 3 | 2-10 | Bu,S |
| West | 5.7 | 5.8 | *Eutaxia microphylla* var. *diffusa* | 1 | 11 | P,Bu |
| West | 5.7 | 6.0 | *Prostanthera chlorantha* | 60 | 1-10 | Bu |
| West | 6.0 | 6.0 | *Dodonaea hexandra* | 3 | 1 | Bu |
| West | 6.3 | 6.4 | *Dodonaea baueri* | 6 | 10 | Bc,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; S=Soursop; P=Phalaris

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Starr Rd** **Date:25/7/1996**

**Recorders: Rick Davies, Anthelia Bond, Mango Ranzijn**

| Side of road | Distance (kms) from Hd Line Rd | | Species | No. of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0.1 | 0.3 | *Lomandra micrantha* ssp. *tuberculata* | 2 | 1 | Bu |
| North | 0.3 | 0.4 | *Lomandra micrantha* ssp. *tuberculata* | 1 | 1 | Bu,Bc |
| North | 0.5 | 0.6 | *Dodonaea baueri* | 1 | 1 | |
| North | 0.9 | 1.0 | *Grevillea muricata* | 1 | 1 | Bu |
| North | 1.0 | 1.1 | *Lomandra micrantha* ssp. *tuberculata* | 1 | 1 | Bu |
| North | 1.3 | 1.4 | *Grevillea muricata* | 2 | 0-1 | |
| North | 1.7 | 1.8 | *Lomandra micrantha* ssp. *tuberculata* | 4 | 2 | Bu |
| North | 1.9 | 2.1 | *Grevillea muricata* | 23 | 0-2 | Bu |
| North | 2.2 | 2.4 | *Lomandra micrantha* ssp. *tuberculata* | 3 | 0 | |
| North | 2.2 | 2.8 | *Grevillea muricata* | 28 | 1-6 | |
| North | 2.6 | 2.7 | *Grevillea muricata* | 1 | 3 | |
| North | 2.9 | 3.0 | *Grevillea muricata* | 1 | 2 | Bu |
| North | 3.0 | 3.1 | *Dodonaea baueri* | 1 | 1 | |
| North | 3.0 | 3.1 | *Dodonaea baueri* | 1 | 1 | |
| North | 3.0 | 3.1 | *Dodonaea baueri* | 1 | 1 | |
| North | 3.1 | 3.4 | *Grevillea muricata* | 3 | 2-3 | |
| North | 3.3 | 3.4 | *Lomandra micrantha* ssp. *tuberculata* | 1 | 3 | |
| North | 3.5 | 3.6 | *Grevillea muricata* | 1 | 2 | Bu,Bc |
| North | 3.8 | 3.9 | *Lomandra micrantha* ssp. *tuberculata* | 2 | 0 | Bu,Bc |
| South | 0.2 | 0.4 | *Lomandra micrantha* ssp. *tuberculata* | 5 | 1 | Bu |
| South | 0.4 | 0.5 | *Lomandra micrantha* ssp. *tuberculata* | 2 | 1 | Bu,Bc |
| South | 0.5 | 0.7 | *Dodonaea baueri* | 5 | 1-2 | Bu |
| South | 0.9 | 1.2 | *Lomandra micrantha* ssp. *tuberculata* | 30 | 1-3 | Bu |
| South | 1.2 | 1.3 | *Grevillea muricata* | 3 | 0-1 | Bu |
| South | 1.3 | 1.4 | *Lomandra micrantha* ssp. *tuberculata* | 3 | 1-2 | |
| South | 1.4 | 1.5 | *Grevillea muricata* | 1 | 0 | Bu |
| South | 1.7 | 1.9 | *Lomandra micrantha* ssp. *tuberculata* | 13 | 1-3 | Bu |
| South | 1.9 | 2.0 | *Lomandra micrantha* ssp. *tuberculata* | 1 | 1 | Bu |
| South | 2.1 | 2.2 | *Lomandra micrantha* ssp. *tuberculata* | 2 | 2 | |
| South | 2.3 | 2.4 | *Lomandra micrantha* ssp. *tuberculata* | 7 | 1 | Bu |
| South | 2.5 | 2.7 | *Lomandra micrantha* ssp. *tuberculata* | 4 | 2-4 | Bu |
| South | 2.7 | 2.9 | *Grevillea muricata* | 8 | 1-2 | Bu,Bc |
| South | 3.0 | 3.1 | *Dodonaea baueri* | 3 | 0-2 | Bu |
| South | 3.1 | 3.6 | *Grevillea muricata* | 41 | 1-4 | Bu |
| South | 3.4 | 3.5 | *Lomandra micrantha* ssp. *tuberculata* | 2 | 1-2 | |
| South | 3.6 | 3.7 | *Lomandra micrantha* ssp. *tuberculata* | 3 | 4 | |
| South | 3.7 | 3.9 | *Lomandra micrantha* ssp. *tuberculata* | 15 | 1-3 | V,Bc |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Three Chain Road** **Date: 13-14/8/1996**

**Recorders: Rick Davies, Dickon Ponty, Adam Ingledew**

| Side of road | Distance (kms) from Hog Bay Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0 | 0.1 | *Boronia coerulescens* | 2 | 5 | V,Bu,S |
| North | 0.1 | 0.6 | *Phebalium equestre* | 15 | 1-5 | V,Bu |
| North | 0.2 | 0.4 | *Boronia coerulescens* | 4 | 1-3 | V,Bu |
| North | 0.5 | 1.0 | *Boronia coerulescens* | 11 | 1-9 | V,Bu |
| North | 0.8 | 1.0 | *Logania linifolia* | 2 | 2-3 | Bu |
| North | 1.9 | 2.1 | *Phebalium equestre* | 3 | 3-5 | Bu |
| North | 1.9 | 2.2 | *Cyphanthera myosotidea* | 4 | 1-3 | Bc |
| North | 2.0 | 2.1 | *Boronia coerulescens* | 1 | 1 | Bu |
| North | 2.0 | 2.1 | *Logania linifolia* | 1 | 3 | Bu |
| North | 2.2 | 3.2 | *Phebalium equestre* | 61 | 1-10 | V,Bu |
| North | 2.3 | 2.6 | *Cyphanthera myosotidea* | 16 | 0-3 | Bu |
| North | 2.7 | 3.7 | *Cyphanthera myosotidea* | 68 | 0-4 | V,Bu |
| North | 3.3 | 4.0 | *Phebalium equestre* | 40 | 1-5 | Bu |
| South | 0 | 0.1 | *Logania linifolia* | 1 | 3 | V,Bu |
| South | 0 | 0.3 | *Boronia coerulescens* | 19 | 1-3 | V,Bu |
| South | 0 | 1.0 | *Phebalium equestre* | 48 | 0-8 | V,Bu |
| South | 0.1 | 0.2 | *Beyeria subtecta* | 2 | 2 | V,Bu,S |
| South | 0.5 | 0.6 | *Boronia coerulescens* | 3 | 1-6 | V |
| South | 0.7 | 0.8 | *Boronia coerulescens* | 2 | 1 | V,Bu |
| South | 0.7 | 0.9 | *Logania linifolia* | 2 | 1 | V,Bu |
| South | 0.9 | 1.0 | *Beyeria subtecta* | 20 | 2-7 | V,Bu |
| South | 0.9 | 1.0 | *Lomandra micrantha* | 2 | 3 | Bu |
| South | 0.9 | 1.1 | *Boronia coerulescens* | 7 | 2-6 | V,Bu |
| South | 1.6 | 1.7 | *Logania linifolia* | 1 | 5 | Bc |
| South | 1.6 | 1.8 | *Phebalium equestre* | 7 | 3-5 | Bc,Bu |
| South | 1.7 | 1.9 | *Cyphanthera myosotidea* | 7 | 0-5 | Bc,Bu,V |
| South | 2.0 | 2.2 | *Logania linifolia* | 2 | 2-3 | Bu |
| South | 2.0 | 2.2 | *Boronia coerulescens* | 2 | 1-3 | Bu |
| South | 2.0 | 3.4 | *Cyphanthera myosotidea* | 129 | 0-5 | Bc,Bu,V |
| South | 2.3 | 2.5 | *Phebalium equestre* | 16 | 1-4 | Bu |
| South | 2.6 | 2.7 | *Phebalium equestre* | 7 | 0-4 | Bu |
| South | 2.8 | 3.2 | *Phebalium equestre* | 27 | 1-3 | Bu,V |
| South | 3.3 | 3.8 | *Phebalium equestre* | 22 | 1-5 | V,Bu |

**Key:** Bu=Bulldozing; Bc=Bridal creeper; V=Perennial veldt grass; S=Soursop

**APPENDIX 3 (Continued): LOCATIONS OF THREATENED PLANT SPECIES ON ROADSIDES ON KANGAROO ISLAND, SURVEYED DURING THE CURRENT PROJECT**

**Road: Three Chain Road** **Date: 15/8/1996**

**Recorders: Rick Davies, Dickon Ponty, Adam Ingledew**

| Side of road | Distance (kms) west from Barretts Rd | | Species | Number of plants | Distance (m) from verge | Impact |
|---|---|---|---|---|---|---|
| | Start | Finish | | | | |
| North | 0 | 0.2 | *Prostanthera chlorantha* | 18 | 1-2 | Bu |
| North | 1.1 | 1.5 | *Grevillea muricata* | 14 | 1-4 | V,Bu |
| North | 2.5 | 2.6 | *Logania linifolia* | 2 | 0 | Bu |
| North | 2.7 | 2.8 | *Grevillea muricata* | 1 | 2 | |
| North | 3.3 | 3.4 | *Grevillea muricata* | 2 | 1 | Bu |
| North | 4.2 | 4.8 | *Grevillea muricata* | 9 | 1-2 | |
| North | 4.3 | 4.3 | *Logania linifolia* | 1 | 1 | Bu |
| North | 4.9 | 5.0 | *Logania linifolia* | 1 | 1 | Bu |
| North | 4.9 | 5.1 | *Grevillea muricata* | 4 | 1-3 | Bu |
| North | 5.6 | 5.7 | *Grevillea muricata* | 1 | 1-3 | Bu |
| North | 6.0 | 6.1 | *Grevillea muricata* | 3 | 1-3 | Bu |
| North | 7.4 | 7.5 | *Grevillea muricata* | 3 | 3-4 | Bu |
| North | 7.8 | 8.1 | *Grevillea muricata* | 5 | 2-4 | Bu |
| South | 0 | 0.2 | *Prostanthera chlorantha* | 1 | 1 | Bu |
| South | 1.1 | 1.5 | *Grevillea muricata* | 32 | 1-3 | V,Bu |
| South | 2.5 | 2.6 | *Logania linifolia* | 4 | 1-2 | Bu |
| South | 2.9 | 3.0 | *Logania linifolia* | 2 | 2 | Bu |
| South | 2.9 | 3.4 | *Grevillea muricata* | 15 | 1-2 | Bu |
| South | 3.6 | 3.7 | *Grevillea muricata* | 2 | 1-2 | |
| South | 3.9 | 4.0 | *Grevillea muricata* | 1 | 2 | V,Bu |
| South | 4.2 | 5.8 | *Grevillea muricata* | 64 | 1-3 | Bu |
| South | 6.0 | 6.1 | *Grevillea muricata* | 6 | 1-3 | Bu |
| South | 6.9 | 7.0 | *Grevillea muricata* | 1 | 3 | Bu |
| South | 7.2 | 7.5 | *Grevillea muricata* | 5 | 1-2 | |
| South | 7.7 | 8.1 | *Grevillea muricata* | 23 | 1-3 | |

**Key:** Bu=Bulldozing; V=Perennial veldt grass

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