Light Regional Council

Roadside Botanical Survey & Assessment Report

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Botanical Survey & Assessment Summary

Roadsides located within the Light Regional Council area that were known to contain tracts of remnant native vegetation and considered to be in good condition were highlighted by Andrew Philpott, Coordinator Horticulture & Biodiversity for the Light Regional Council and were botanically surveyed and assessed over September and October 2017 by Andrew Allanson of Iron-grass Environmental Services and Amanda Pearce of Environmental Weed Control & Revegetation.

The purpose of this botanical survey and assessment was to identify the most bio-diverse and valuable tracts of native vegetation to enable future management for protection and enhancement of biodiversity assets within the Light Regional Council area.

Threats to the continued existence of the native vegetation were identified. Weeds, road-works, inappropriate spraying and landholder education are the main issues that require attention. Not all weed species have been listed, the aim was to highlight environmental weed species that are of high to medium threat to the survival and health of the remnant vegetation.

The survey identified 76 tracts of good quality native vegetation across 53 roads with 20 of these sites considered to be in EXCELLENT CONDITION and 56 tracts considered to be in GOOD CONDITION.

Some important sites in the good condition category include:

- Victor Road, Greenock for high diversity and a high number of threatened species including 2 listed species under the NPW Act.
- Hammerling & Wildlife Road, east of Greenock for high diversity and the presence of *Eucalyptus behriana* (Broad-leaf Box) a species listed as Rare under the NPW Act and Vulnerable Regionally.
- Golf Course Road, Ebenezer for the presence of *Olearia pannosa* ssp. *pannosa* (Silver Daisy) a species listed as Vulnerable to extinction under both the NPW Act and EPBC Act, and listed as Endangered Regionally.
- Heintze Road, Moppa for good diversity including the presence of two orchid species.
- Keller Road, Nuriootpa for an important patch of *Eucalyptus behriana* (Broad-leaf Box) and a high number of threatened species including 3 under the NPW Act.
- Deep Creek Road, Bethel for a good stand of *Eucalyptus behriana* (Broad-leaf Box).
- Stone Road South, Kangaroo Flat & Dahlitz Road within the Kangaroo Flat area and Sturt Road, Ebenezer for the presence of *Eucalyptus largiflorens* (Black Box) a species listed as Endangered to extinction Regionally. This Eucalypt species has seen a dramatic decline across its distribution.
- Pine Creek Road, Linwood for the presence of a *Eucalyptus odorata* Woodland and an uncommon species diversity.

A further 6 tracts of native vegetation that were highlighted to be in good condition, were found upon assessment, to be in very poor condition and have not been included in this report. However, some points to be considered in respect to these low diversity sites are:

Botanical Survey & Assessment Summary; continued.

- Bullock Road, north-west of Freeling at GPS coordinate 54H 6185997 – this site has been ruined by inappropriate slashing.
- Carrara Hill Road, Moppa (section east of Belvedere Rd between GPS coordinates 54H 316713 6188826 and 54H 316670 6188840) is a very degraded *Banksia marginata* (Silver Banksia) Tall Shrub-land. Only 4 native species were recorded here however *Banksia marginata* appears to be on the brink of extinction within the Light Regional Council district.
- Helston Road South (west of Kapunda at GPS coordinate 54H 304969 6197552) is a very degraded site but contains 3 *Eucalyptus behriana* (Broad-leaf Box) trees which are rated as Rare under the NPW Act and 1 *Banksia marginata* (Silver Banksia) plant, this may have been planted though.
- Hankel Road, east of Greenock (between GPS coordinates 54H 312892 6185313 and 54H 313944 6185083) contains a *Eucalyptus odorata* Woodland in a deteriorated and degraded condition. Poor weed control has been undertaken here with off-target damage.
- Mitchell Road, north-west of Roseworthy is severely fire affected and now degraded however olive control is recommended to buffer Pengilly Scrub.

In conclusion, all remnant native vegetation within the Light Regional Council district is of very high importance. The extreme loss of native vegetation through land clearing since European settlement incrementally continues to this day despite the protection of native vegetation under the Native Vegetation Act. A much greater awareness of the importance and vulnerability of remnant vegetation is needed by the wider public and a far greater focus is required on its protection or we will continue to see degradation and localised extinction of species and vegetation communities which cannot be replicated in revegetation.

One example of a roadside Native Grassland that has been illegally sprayed out.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 24/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Walton Road, Freeling	**Side of Road:** *(i.e. west)* North and South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 301176	**Northing:** 6184986	**Easting:** 54H 300691	**Northing:** 6184823
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Gentle slope, east of Freeling			
Vegetation Association: *Eucalyptus odorata* Open Woodland		**Number of Threatened Species Present:** 10 Regionally Listed Species (1 Endangered, 3 Vulnerable, 3 Rare, 3 Near Threatened).	
Notes / General Observations: • Wild oats gives degraded impression, but not bad condition. • Some plantings compromise the site.			
Threats to native vegetation identified: • Road-works • Weeds: Annual grasses. Herbaceous – Wild Sage, Scabiosa, onion weed, false caper, blackberry nightshade.		**Threat abatement recommendations:** • Don't upgrade road. • Monitor site in to the future for woody weed invasion.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Aristida behriana	Brush Wire-grass			
Austrostipa blackii	Crested Spear-grass			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Dichanthium sericeum ssp. *sericeum*	Silky Blue-grass			Vulnerable
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Enneapogon nigricans	Black-head Grass			
Eucalyptus odorata	Peppermint Box			Near Threatened
Haloragis aspera	Rough Raspwort			Vulnerable
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Pittosporum angustifolium	Native Apricot			Near Threatened
Rytidosperma setaceum	Small-flower Wallaby-grass			
Santalum acuminatum	Quandong			Rare
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Walton Road, eastern end facing west.

Site Location. Walton Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent
Road Name: Doecke Lane, Freeling	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 298112	**Northing:** 6196934	**Easting:** 54H 297830	**Northing:** 6197339

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain, north of Freeling

Vegetation Association:	**Number of Threatened Species Present:**
Predominately a *Austrostipa & Rytidosperma* Grassland	7 Regionally Listed Species (1 Endangered, 1 Vulnerable, 4 Rare, 1 Near Threatened). 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Little used track.
- Fantastic grassland.
- *Eucalyptus behriana* (Broad-leaf Box) is present, in very poor health.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road-works. • Weeds: Herbaceous - Wild Sage, Onion Weed, Soursob. Woody - Olive, Boxthorn.	• Don't upgrade road. • Control woody weeds. • Control soursob in winter months.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Atriplex semibaccata	Berry Saltbush			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Chloris truncata	Windmill Grass			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Halgania cyanea	Rough Blue-flower			Rare
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma caespitosum	Common Wallaby-grass			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Sida corrugata ssp.	Sida			Rare
Themeda triandra	Kangaroo Grass			

Photo Sheet

Doecke Lane, south end western side.

Site Location. Doecke Lane, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Trevena Road, Kapunda	**Side of Road:** *(i.e. west)* North		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 304579	**Northing:** 6199227	**Easting:** 54H 304223	**Northing:** 6199452
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, north-west of Kapunda.			
Vegetation Association: *Austrostipa & Rytidosperma* Grassland and *Eucalyptus behriana* Open Woodland.		**Number of Threatened Species Present:** 9 Regionally Listed Species (2 Vulnerable, 4 Rare, 3 Near Threatened). 1 NPW Act Listed Species (1 Rare)	
Notes / General Observations: • Excellent condition despite olives and *Plantago lanceolata* (weedy Plantain). • *Eucalyptus behriana* (Broad-leaf Box) is present.			
Threats to native vegetation identified: • Weeds: Herbaceous - Wild Sage, Plantain, Scabiosa. Woody - Olive, Dog Rose.		**Threat abatement recommendations:** • Control woody weeds.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Arthropodium strictum	Common Vanilla-lily			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Calocephalus citreus	Lemon Beauty-heads			Rare
Calostemma purpureum	Garland Lily			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Juncus subsecundus	Finger Rush			
Lepidosperma viscidum	Sticky Sword-sedge			Rare
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Oxalis perennans	Native Sorrel			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Schoenus apogon	Common Bog-rush			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Vittadinia megacephala	Giant New Holland Daisy			Rare
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Trevena Road, north side eastern end.

Site Location. Trevena Road, north side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Old Anlaby Road, Allendale North	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 310860	**Northing:** 6206646	**Easting:** 54H 310180	**Northing:** 6205762
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, north-east of Kapunda			
Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa* / *E. odorata* Woodland		**Number of Threatened Species Present:** 11 Regionally Listed Species (2 Vulnerable, 5 Rare, 4 Near Threatened).	
Notes / General Observations: • North side is narrow. • Some garden escapee plants.			
Threats to native vegetation identified: • Road-works. • Weeds: Annual Grasses. Herbaceous - Gazania. Woody– Olive.		**Threat abatement recommendations:** • Don't upgrade road. • Control Olive. • Control Gazania.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Calocephalus citreus	Lemon Beauty-heads			Rare
Chenopodium desertorum	Goosefoot			Rare
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Plantago sp.	Native Plantain			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare

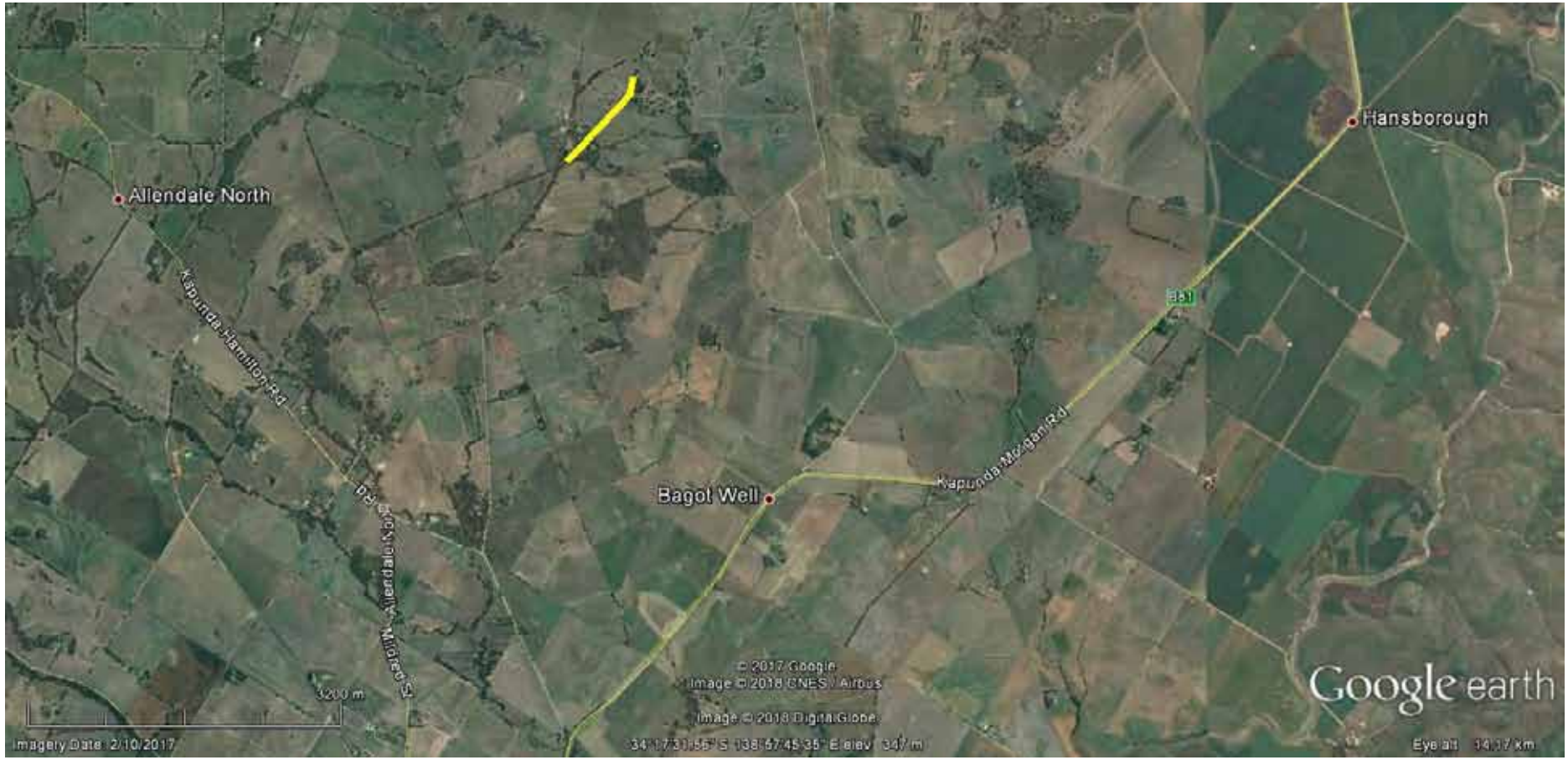
Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Vittadinia gracilis	Woolly New Holland Daisy			
Wahlenbergia luteola	Yellow-wash Bluebell			Rare
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Old Anlaby Road, north-eastern end facing south-west

Old Anlaby Road, south-west end facing north-east

Site Location. Old Anlaby Road, east & west sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Holthouse Road, Kapunda	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 304450	**Northing:** 6201854	**Easting:** 54H 305210	**Northing:** 6201392
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Hilly, north-west of Kapunda			
Vegetation Association: *Eucalyptus odorata / Allocasuarina verticillata* Woodland grading to *Eucalyptus leucoxylon* ssp. *pruinosa* Woodland		**Number of Threatened Species Present:** 8 Regionally Listed Species (1 Vulnerable, 3 Rare, 4 Near Threatened).	
Notes / General Observations: • Narrow track. • Great native vegetation in many sections. • The site has really benefited from olive control.			
Threats to native vegetation identified: • Road-works. • Weeds: Perennial Weedy Grasses – Phalaris. Herbaceous – Plantain. Woody – Olive, Almond tree, Dog Rose.		**Threat abatement recommendations:** • Don't upgrade road. • Woody weed control. • Assess for Phalaris control.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acacia retinodes	Wirilda			Rare
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Asperula conferta	Common Woodruff			Rare
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Chloris truncata	Windmill Grass			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Clematis microphylla	Old Man's Beard			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Plantago sp.	Native Plantain			
Rhagodia parabolica	Mealy Saltbush			Rare

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Rytidosperma setaceum	Small-flower Wallaby-grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Holthouse Road, western end facing east.

Holthouse Road, eastern end facing west.

Site Location. Holthouse Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent
Road Name: Oaklynn Road, Hamilton	**Side of Road:** *(i.e. west)* North, South, East & West. Oaklynn Rd runs into unmade road reserve which heads south (Heysen trail).	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 302797	**Northing:** 6211978	**Easting:** 54H 301025	**Northing:** 6210656

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Gentle rolling hills, south of Marrabel. Some low lying areas.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata Woodland grading to *Eucalyptus leucoxylon* ssp. *pruinosa* Woodland	14 Regionally Listed Species (2 Vulnerable, 7 Rare, 5 Near Threatened). 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Parts of the site are in excellent condition, some parts are degraded.
- Southern section is fantastic.
- *Dianella longifolia* var. *grandis* (Pale Flax-lily) is present at GPS co-ordinate 54H 301118 6211456.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road-works. • Weeds: Annual Weedy Grasses. Herbaceous – weedy Ranunculus in boggy areas. Woody – Dog Rose, Olive.	• Don't upgrade road. • Woody weed control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa platychaeta	Flat-awn Spear-grass			Rare
Bulbine bulbosa	Native Leek			
Burchardia umbellata	Milkmaids			
Bursaria spinosa	Christmas Bush			
Caesia calliantha	Blue Grass-lily			
Calocephalus citreus	Lemon Beauty-heads			Rare
Calostemma purpureum	Garland Lily			
Cheilanthes austrotenuifolia	Annual Rock-fern			
Chrysocephalum apiculatum	Common Everlasting			
Clematis microphylla	Old Man's Beard			
Convolvulus angustissimus ssp. *peninsularum*	Grassland Bindweed			Rare
Dianella longifolia var. *grandis*	Pale Flax-lily	Rare		Vulnerable
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Juncus pallidus	Pale Rush			
Juncus subsecundus	Finger Rush			
Lepidosperma curtisiae	Little Sword-sedge			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lythrum hyssopifolia	Lesser Loosestrife			
Maireana enchylaenoides	Wingless Fissure-plant			
Ozothamnus retusus	Notched Bush-everlasting			Rare
Pimelea humilis	Low Riceflower			
Pultenaea largiflorens	Twiggy Pea-bush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Rytidosperma sp.	Wallaby-grass			
Schoenus apogon	Common Bog-rush			
Stackhousia monogyna	Creamy Candles			Near Threatened
Themeda triandra	Kangaroo Grass			
Velleia paradoxa	Spur Velleia			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Vittadinia gracilis	Woolly New Holland Daisy			
Wahlenbergia luteola	Yellow-wash Bluebell			Rare

Photo Sheet

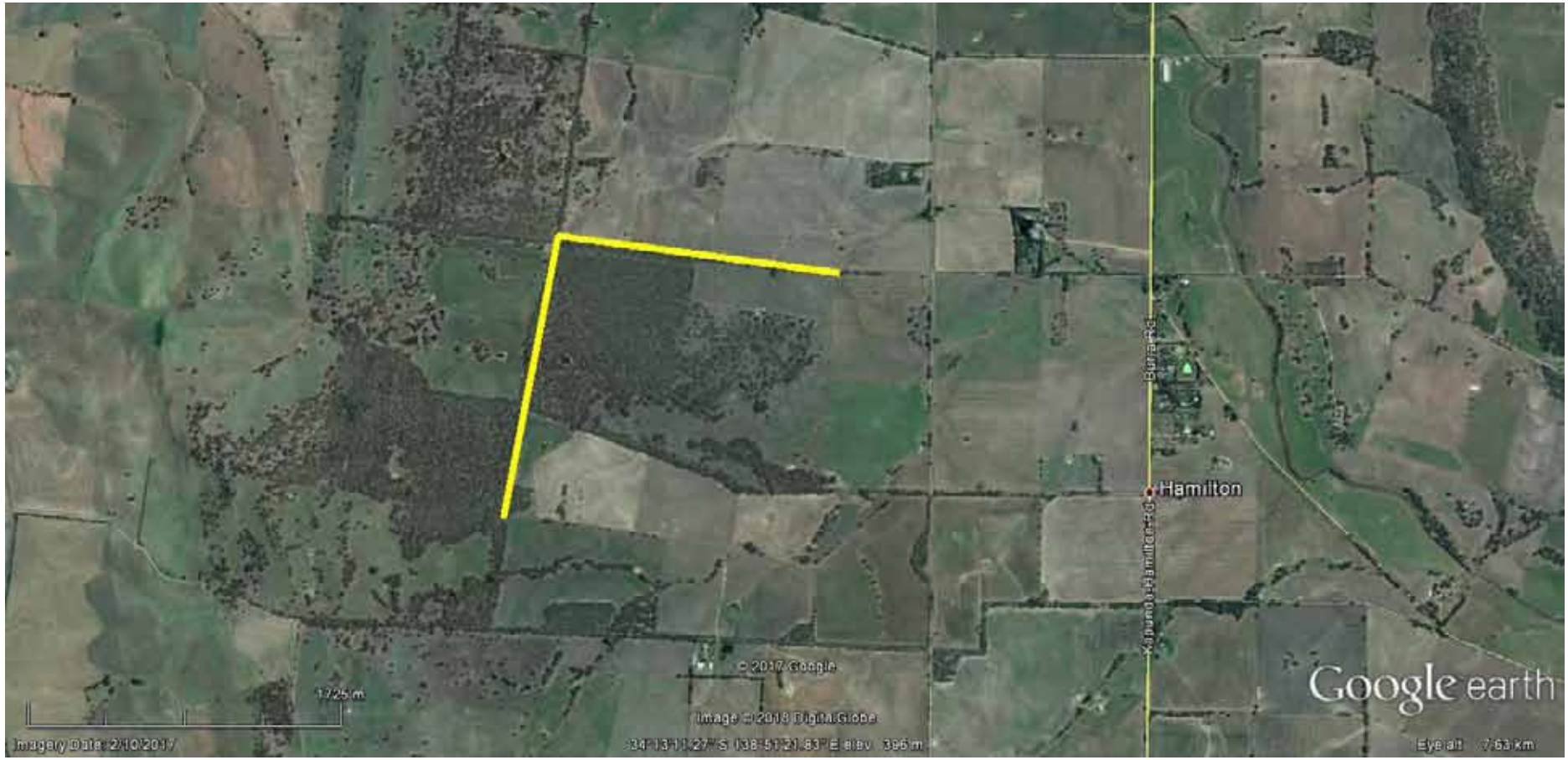
Oaklynn Road, eastern end facing west.

Oaklynn Road, facing west.

Oaklynn Road, midway facing west.

Heysen Trail, facing south.

Site Location. Oaklynn Road into unmade road reserve which heads south (Heysen Trail).



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent
Road Name: Rowett Road, Hamilton	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 303257	**Northing:** 6213150	**Easting:** 54H 302288	**Northing:** 6213419

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain, south of Marrabel.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata / *Eucalyptus leucoxylon* ssp. *pruinosa* Woodland	5 Regionally Listed Species (1 Vulnerable, 3 Rare, 1 Near Threatened).

Notes / General Observations:

- Almost unmade road reserve.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road improvement. • Weeds: Annual Weedy Grasses. Herbaceous – Wild Sage, Artichoke thistle. Woody – Dog Rose, Olive.	• Don't upgrade road. • Woody weed control. • Artichoke thistle control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Calocephalus citreus	Lemon Beauty-heads			Rare
Carex tereticaulis	Rush Sedge			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Juncus subsecundus	Finger Rush			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Oxalis perennans	Native Sorrel			
Rytidosperma sp.	Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Rowett Road, eastern end facing west.

Rowett Road, western end facing east.

Site Location. Rowett Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Kelly Road, Hamilton	**Side of Road:** *(i.e. west)* South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 306162	**Northing:** 6214457	**Easting:** 54H 305780	**Northing:** 6214392
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, south-east of Marrabel.			
Vegetation Association: *Eucalyptus odorata* Open Woodland		**Number of Threatened Species Present:** 5 Regionally Listed Species (1 Vulnerable, 2 Rare, 2 Near Threatened).	
Notes / General Observations: • Great site – diverse species.			
Threats to native vegetation identified: • Weeds: Annual Weedy Grasses. Perennial Weedy Grasses – Tall Wheat Grass. Herbaceous – Wild Sage. Woody – Dog Rose, Olive.		**Threat abatement recommendations:** • Woody weed control.	

Native Flora Species List

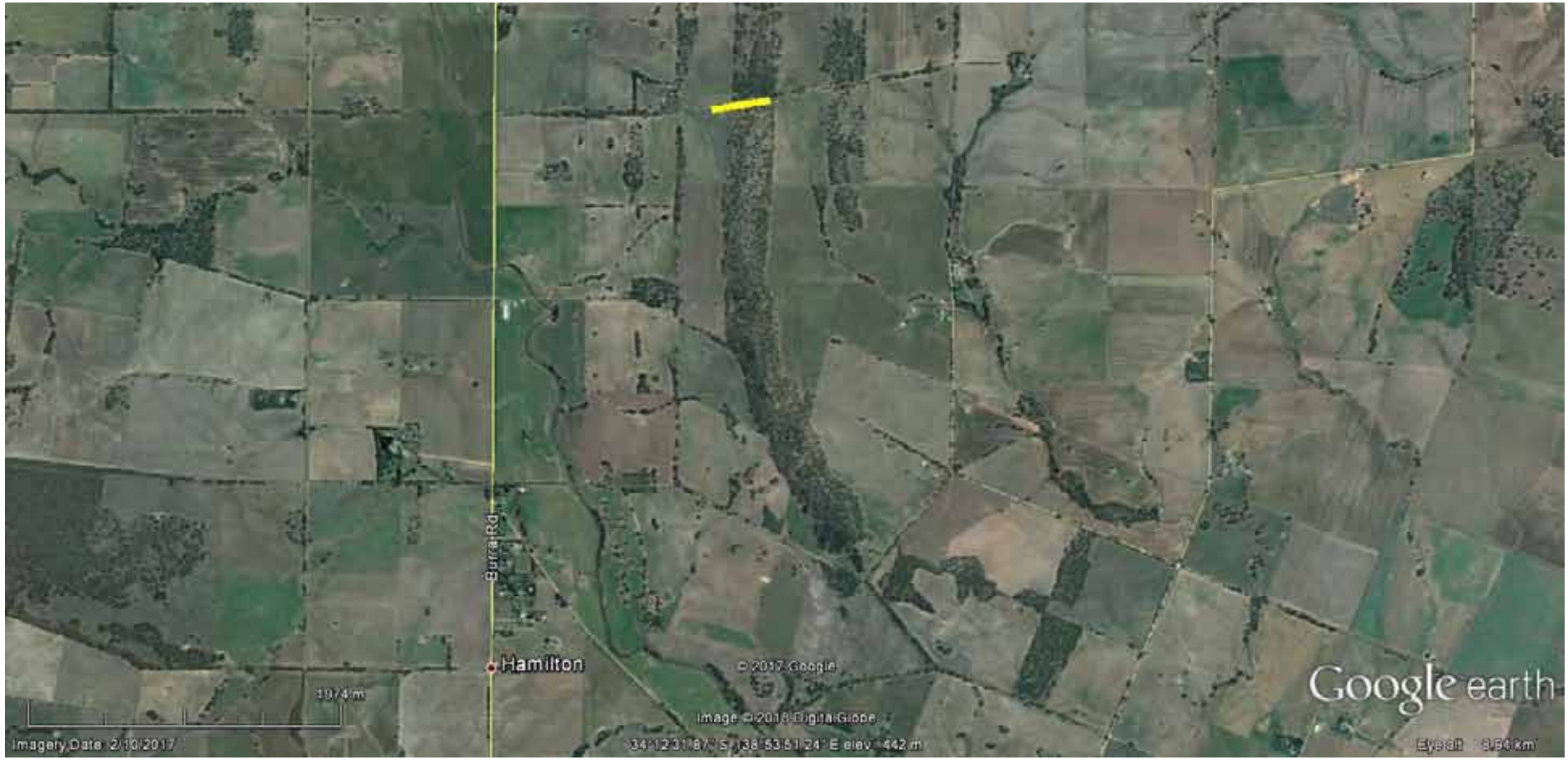
Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Calostemma purpureum	Garland Lily			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Eutaxia microphylla (prostrate form)	Common Eutaxia			
Goodenia pinnatifida	Cut-leaf Goodenia			
Juncus pallidus	Pale Rush			
Juncus subsecundus	Finger Rush			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Lythrum hyssopifolia	Lesser Loosestrife			
Maireana enchylaenoides	Wingless Fissure-plant			
Oxalis perennans	Native Sorrel			
Plantago sp.	Native Plantain			
Ptilotus spathulatus	Pussy-tails			Rare
Rytidosperma sp.	Wallaby-grass			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Scaevola albida	Pale Fanflower			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Wahlenbergia sp.	Bluebell			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Kelly Road, western end facing west.

Site Location. Kelly Road, south side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Nitschke Road, south of Sturt Hwy	**Side of Road:** *(i.e. west)* East		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 311180	**Northing:** 6184013	**Easting:** 54H 311025	**Northing:** 6183551
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, near Marananga.			
Vegetation Association: *Eucalyptus odorata* Open Woodland		**Number of Threatened Species Present:** 4 Regionally Listed Species (3 Rare, 1 Near Threatened).	
Notes / General Observations: • Dead end section north of Roennfeldt Road. • Very valuable example. Great diversity despite weeds.			
Threats to native vegetation identified: • Road-works. • Weeds: Annual Weedy Grasses. Perennial Weedy Grasses – Rice Millet. Woody – Boxthorn, Olive.		**Threat abatement recommendations:** • Don't upgrade road. • Undertake woody weed control. • Assess for Rice Millet control.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Astroloma humifusum	Cranberry Heath			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Calostemma purpureum	Garland Lily			
Cheilanthes austrotenuifolia	Annual Rock-fern			
Clematis microphylla	Old Man's Beard			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Dodonaea viscosa ssp. *spatulata*	Sticky Hop-bush			
Eucalyptus odorata	Peppermint Box			Near Threatened
Gonocarpus elatus	Hill Raspwort			
Goodenia pinnatifida	Cut-leaf Goodenia			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Oxalis perennans	Native Sorrel			
Pultenaea largiflorens	Twiggy Pea-bush			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cervicularis var. *cervicularis*	Waisted New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			

Photo Sheet

Nitschke Road, northern end facing south.

Site Location. Nitschke Road, east side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: River Road, Hansborough	**Side of Road:** *(i.e. west)* South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 315584	**Northing:** 6207346	**Easting:** 54H 314973	**Northing:** 6207434
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, north-east of Kapunda.			
Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa* Woodland		**Number of Threatened Species Present:** 11 Regionally Listed Species (2 Vulnerable, 7 Rare, 2 Near Threatened).	
Notes / General Observations: • Annual grasses main threat. • Good diversity and native cover.			
Threats to native vegetation identified: • Road-works. • Weeds: Annual Weedy Grasses.		**Threat abatement recommendations:** • Don't upgrade road. • Control annual grasses – burn in autumn?	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acaena echinata	Sheep's Burr			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Atriplex semibaccata	Berry Saltbush			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Calostemma purpureum	Garland Lily			
Chenopodium desertorum ssp.	Goosefoot			Rare
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Distichlis distichophylla	Emu-grass			
Einadia nutans	Climbing Saltbush			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Goodenia pinnatifida	Cut-leaf Goodenia			
Juncus subsecundus	Finger Rush			
Lepidosperma sp.	Sword-sedge			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Ptilotus spathulatus	Pussy-tails			Rare
Rytidosperma sp.	Wallaby-grass			
Salsola australis	Buckbush			
Themeda triandra	Kangaroo Grass			
Velleia paradoxa	Spur Velleia			Rare
Vittadinia cervicularis var. *cervicularis*	Waisted New Holland Daisy			Rare
Vittadinia gracilis	Woolly New Holland Daisy			
Wahlenbergia luteola	Yellow-wash Bluebell			Rare
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

River Road, facing west

River Road.

Site Location. River Road, south side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: River Road, Hansborough	**Side of Road:** *(i.e. west)* South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 314766	**Northing:** 6207387	**Easting:** 54H 314501	**Northing:** 6207177
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, north-east of Kapunda.			
Vegetation Association: *Themeda triandra* Grassland.		**Number of Threatened Species Present:** 9 Regionally Listed Species (1 Vulnerable, 5 Rare, 3 Near Threatened).	
Notes / General Observations: • Excellent condition, few weeds. • Adjacent holding has been botanically surveyed – Shackley *et. al.*			
Threats to native vegetation identified: • Road widening – narrow verge. • Weeds: Annual Weedy Grasses. Perennial Weedy Grasses – Phalaris. Herbaceous – Gazania.		**Threat abatement recommendations:** • Don't upgrade road. • Control gazania (spring).	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Calostemma purpureum	Garland Lily			
Chloris truncata	Windmill Grass			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Convolvulus sp.	Bindweed			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Gonocarpus elatus	Hill Raspwort			
Goodenia pinnatifida	Cut-leaf Goodenia			
Lepidosperma sp.	Sword-sedge			
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Neurachne alopecuroidea	Fox-tail Mulga-grass			
Ptilotus spathulatus	Pussy-tails			Rare
Stackhousia monogyna	Creamy Candles			Near Threatened
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cervicularis var. *cervicularis*	Waisted New Holland Daisy			Rare

Photo Sheet

River Road, south side.

Site Location. River Road, south side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: River Road, Hansborough	**Side of Road:** *(i.e. west)* North		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 314510	**Northing:** 6207184	**Easting:** 54H 314659	**Northing:** 6207302
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, north-east of Kapunda.			
Vegetation Association: *Themeda triandra* Grassland.		**Number of Threatened Species Present:** 1 Regionally Listed Species (1 Rare).	
Notes / General Observations: • Excellent grassland.			
Threats to native vegetation identified: • Road works. • Weeds: Herbaceous – Gazania. Woody weeds – Dog Rose.		**Threat abatement recommendations:** • Don't upgrade road. • Control gazania (spring). • Control Dog Rose.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa blackii	Crested Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma sp.	Wallaby-grass			
Themeda triandra	Kangaroo Grass			

Photo Sheet

River Road, north side facing north-east.

Site Location. River Road, north side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Robinson Road, Bagot Well	**Side of Road:** *(i.e. west)* East & West / North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 312460	**Northing:** 6204269	**Easting:** 54H 312090	**Northing:** 6205153
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, near Anlaby.			
Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa / E. odorata* Open Woodland		**Number of Threatened Species Present:** 10 Regionally Listed Species (2 Vulnerable, 6 Rare, 2 Near Threatened).	
Notes / General Observations: • Excellent diversity. • Some weedy patches.			
Threats to native vegetation identified: • Road improvement. • Weeds: Herbaceous – Scabiosa, Wild Sage. Woody – Olives, Buckthorn		**Threat abatement recommendations:** • Don't upgrade road. • Control woody weeds.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Calocephalus citreus	Lemon Beauty-heads			Rare
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta ssp. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Gonocarpus elatus	Hill Raspwort			
Goodenia pinnatifida	Cut-leaf Goodenia			
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Oxalis perennans	Native Sorrel			
Rytidosperma sp.	Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cervicularis var. *cervicularis*	Waisted New Holland Daisy			Rare

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Vittadinia megacephala	Giant New Holland Daisy			Rare
Walwhalleya proluta	Rigid Panic			Vulnerable

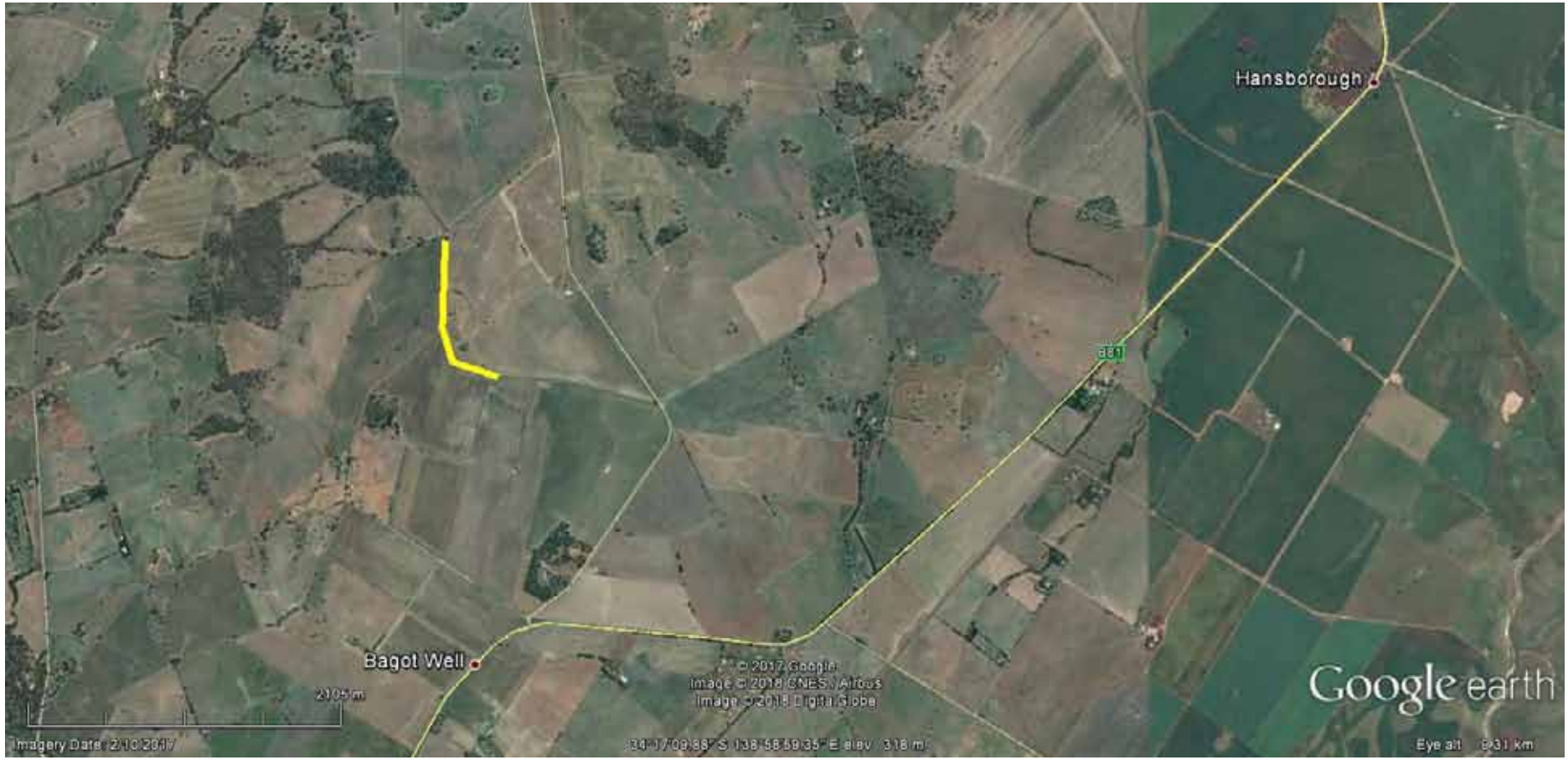
Photo Sheet

Robinson Road, facing south.

Robinson Road, facing south.

Robinson Road, facing south-east

Site Location. Robinson Road, east & west / north & south sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson		**Condition of Vegetation:** Excellent
Road Name: Biele Road, St Kitts	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 324331	**Northing:** 6197817	**Easting:** 54H 323115	**Northing:** 6198168
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, south of St Kitts.			
Vegetation Association: Predominately *Eucalyptus odorata* Open Grassy Woodland.		**Number of Threatened Species Present:** 5 Regionally Listed Species (2 Vulnerable, 1 Rare, 2 Near Threatened).	
Notes / General Observations: • Rarely used road. Native vegetation exists due to no roadworks. • Good native vegetation cover.			
Threats to native vegetation identified: • Weeds: Herbaceous – Iris, 3-corned Garlic, Cape Tulip. Woody weeds - Dog Rose.		**Threat abatement recommendations:** • Control herbaceous weeds and Dog Rose.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Atriplex semibaccata	Berry Saltbush			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Spear-grass			
Enneapogon nigricans	Black-head Grass			
Eucalyptus camaldulensis ssp. *camaldulensis*	River Red Gum			Near Threatened
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Eutaxia microphylla	Common Eutaxia			
Goodenia pinnatifida	Cut-leaf Goodenia			
Leiocarpa tomentosa	Woolly Plover-daisy			Vulnerable
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Oxalis perennans	Native Sorrel			
Poa sp.	Tussock Grass			
Rytidosperma caespitosum	Common Wallaby-grass			
Salsola australis	Buckbush			
Sida corrugata ssp.	Sida			Rare
Themeda triandra	Kangaroo Grass			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Biele Road, northern side facing west.

Biele Road at creek ford facing west

Biele Road at creek ford facing east

Site Location. Biele Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent
Road Name: Loffler Road (west of Jaegar Rd) Stockwell	**Side of Road:** *(i.e. west)* North-east side	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 323174	**Northing:** 6190330	**Easting:** 54H 323621	**Northing:** 6190176

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, west of Truro.

Vegetation Association: *Eucalyptus odorata* Woodland	**Number of Threatened Species Present:** 5 Regionally Listed Species (1 Vulnerable, 4 Near Threatened).

Notes / General Observations:

- Good cover of native grasses.

Threats to native vegetation identified: • Road maintenance. • Weeds: Annual Grass Weeds. Herbaceous – Scabiosa, Wild Sage, Soursob.	**Threat abatement recommendations:** • Educate road maintenance operators. • Control soursob.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Dianella revoluta ssp. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma caespitosum	Common Wallaby-grass			
Rytidosperma erianthum	Hill Wallaby-grass			Near Threatened
Themeda triandra	Kangaroo Grass			

Photo Sheet

Loffler Road. West of Jaegar Road.

Site Location. Loffler Road, north-eastern side (west of Jaegar Rd).

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent
Road Name: Loffler Road, (eastern section) Stockwell	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 321533	**Northing:** 6191363	**Easting:** 54H 322048	**Northing:** 6190956

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, west of Truro and near boundary of Council areas.

Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa* Woodland	**Number of Threatened Species Present:** 4 Regionally Listed Species (1 Vulnerable, 1 Rare, 2 Near Threatened).

Notes / General Observations:

- Good cover of native grasses and lilies.

Threats to native vegetation identified: • Road widening in future. • Weeds: Annual Grass Weeds. Perennial Grass Weeds – Rice Millet. Herbaceous – Scabiosa, St John's Wort, Golden Pallensis. Woody – Olives, Dog Rose (low numbers).	**Threat abatement recommendations:** • Control woody weeds whilst in low numbers. • Assess for Herbaceous weed and Rice Millet control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Atriplex stipitata	Bitter Saltbush			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa eremophila	Rusty Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Calostemma purpureum	Garland Lily			
Dianella revoluta ssp. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma sp.	Wallaby-grass			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Loffler Road, facing south-east.

Site Location. Loffler Road (eastern section), north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Steinart Road, Truro	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 322434	**Northing:** 6193720	**Easting:** 54H 324426	**Northing:** 6193080
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, south of St Kitts.			
Vegetation Association: *Eucalyptus odorata / E. leucoxylon* ssp. *pruinosa* Open Woodland.		**Number of Threatened Species Present:** 4 Regionally Listed Species (1 Vulnerable, 2 Rare, 1 Near Threatened).	
Notes / General Observations: • Patchy native vegetation but most in excellent condition.			
Threats to native vegetation identified: • Weeds: Herbaceous – Artichoke thistle, Scabiosa, Wild Sage Woody weeds - Dog Rose, Olive.		**Threat abatement recommendations:** • Control artichoke thistle. • Control Dog Rose & Olive (low numbers).	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Calocephalus citreus	Lemon Beauty-heads			Rare
Calostemma purpureum	Garland Lily			
Chrysocephalum apiculatum	Common Everlasting			
Dianella revoluta var. *revoluta*	Black-anther Spear-grass			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Eutaxia microphylla (prostrate form)	Common Eutaxia			
Gonocarpus elatus	Hill Raspwort			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Steinert Road, facing east.

Steinert Road, facing west

Steinert Road, facing west at eastern end of the road.

Site Location. Steinart Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Carrara Hill Rd, Ebenezer	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 315353	**Northing:** 6189276	**Easting:** 54H 314452	**Northing:** 6189563
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Gentle rolling hills, north of Nuriootpa.			
Vegetation Association: *Eucalyptus odorata* Open Woodland.		**Number of Threatened Species Present:** 10 Regionally Listed Species (3 Vulnerable, 5 Rare, 2 Near Threatened). 1 NPW Act Listed Species (1 Rare)	
Notes / General Observations: • Some lilies. • Grasses are mainly introduced species. • *Dianella longifolia* var. *grandis* (Pale Flax-lily) is present at GPS reading 54H 314685 6189503			
Threats to native vegetation identified: • Weeds: Annual Grassy Weeds. Herbaceous – Artichoke thistle, Bridal Creeper, Gazania. Woody weeds - Olive.		**Threat abatement recommendations:** • Control herbaceous and woody weeds. • Slash annual weed grasses in August/early September.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Atriplex stipitata	Bitter Saltbush			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Calocephalus citreus	Lemon Beauty-heads			Rare
Dianella longifolia var. *grandis*	Pale Flax-lily	Rare		Vulnerable
Dianella revoluta var. *revoluta*	Black-anther Spear-grass			
Eucalyptus odorata	Peppermint Box			Near Threatened
Exocarpus cuppressiformis	Native Cherry			
Hardenbergia violacea	Native Lilac			Near Threatened
Leiocarpa tomentosa	Woolly Plover-daisy			Vulnerable
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra densiflora	Soft Tussock Mat-rush			
Lysiana exocarpi ssp. *exocarpi*	Harlequin Mistletoe			
Pimelea stricta	Erect Riceflower			
Rytidosperma caespitosum	Common Wallaby-grass			
Santalum acuminatum	Quandong			Rare
Vittadinia blackii	Narrow-leaf New Holland Daisy			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Carrara Hill Road, west of Shultz Road.

Carrara Hill Road, west of Shultz Road.

Site Location. Carrara Hill Road (west of Schultz Road), north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent	
Road Name: Pipeline Rd, Ebenezer	**Side of Road:** *(i.e. west)* South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 317717	**Northing:** 6187235	**Easting:** 54H 317266	**Northing:** 6187391
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Plain, heavy soils. North of Nuriootpa.			
Vegetation Association: *Eucalyptus largiflorens / E. odorata* Open Grassy Woodland.		**Number of Threatened Species Present:** 10 Regionally Listed Species (1 Endangered, 3 Vulnerable, 4 Rare, 2 Near Threatened).	
Notes / General Observations: • Native grass understorey – good condition and predominately native cover. • *Eucalyptus largiflorens* (River Box) (Endangered) is present.			
Threats to native vegetation identified: • Road widening. • Weeds: Annual Grassy Weeds. Herbaceous – Gazania, Wild Sage. Woody weeds - Olive.		**Threat abatement recommendations:** • Don't upgrade road. • Control herbaceous and woody weeds. • Slash annual weed grasses in August/early September.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Asperula conferta	Common Woodruff			Rare
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Calocephalus citreus	Lemon Beauty-heads			Rare
Carex inversa var. *major*	Knob Sedge			Vulnerable
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Spear-grass			
Eucalyptus largiflorens	River Box			Endangered
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Rytidosperma caespitosum	Common Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Pipeline Road, west of Research Road facing west

Site Location. Pipeline Road, south side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Excellent
Road Name: Sturt Rd (south of Pipeline Rd), Ebenezer	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 316913	**Northing:** 6186504	**Easting:** 54H 317076	**Northing:** 6186989

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain, North of Nuriootpa.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata / E. leucoxylon ssp. *pruinosa* Woodland.	11 Regionally Listed Species (5 Vulnerable, 4 Rare, 2 Near Threatened). 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Weed control along this roadside will enhance the Yalumba bushland which is being managed for environmental weeds by A. Pearce.
- *Eucalyptus behriana* (Broad-leaf Box) is present.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road works. • Weeds: Herbaceous – Cape Tulip, Scabiosa, Wild Sage. Perennial Weed Grasses – Rice Millet.	• Don't upgrade road. • Control Cape Tulip & Rice Millet.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Asperula conferta	Common Woodruff			Rare
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Calocephalus citreus	Lemon Beauty-heads			Rare
Carex inversa var. *major*	Knob Sedge			Vulnerable
Chorizandra enodis	Black Bristle-rush			Rare
Dianella revoluta var. *revoluta*	Black-anther Spear-grass			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Grevillea ilicifolia ssp. *ilicifolia*	Holly-leaf Grevillea			Vulnerable
Juncus subsecundus	Finger Rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Pimelea glauca	Smooth Riceflower			Near Threatened
Rytidosperma sp.	Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Sturt Road, south of Pipeline Road.

Site Location. Sturt Road (south of Pipeline Road), east and west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 24/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good (just)
Road Name: Neldner Road, Templers	**Side of Road:** *(i.e. west)* North and South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 293582	**Northing:** 6187005	**Easting:** 54H 293313	**Northing:** 6187170

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Gently undulating, north of Templers.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* Woodland	4 Regionally Listed Species (1 Vulnerable, 2 Rare, 1 Near Threatened)

Notes / General Observations:

- Fire affected.
- Native vegetation has been damaged by poorly targeted weed spraying and slashing.
- Is a much smaller site than previously recorded.
- Annual grasses may not be a prevalent next season (recovering from fire).

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weed spraying to clear vegetation. • Weeds: Annual grasses dominate vegetation. Herbaceous – cut-leaf Mignonette, Golden Pallensis. Woody - Peppertree, Boxthorn.	• Educate landholders. • Woody weed control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Austrostipa blackii	Crested Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Bursaria spinosa	Christmas Bush			
Austrostipa curticoma	Short-crest Spear-grass			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Senna artemisioides ssp. petiolaris	Senna			Rare
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Rhagodia parabolica	Mealy Saltbush			Rare

Photo Sheet

Nelder Road, eastern end facing west.

Nelder Road, western end.

Site Location. Nelder Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 24/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Heinrich Road, Freeling	**Side of Road:** *(i.e. west)* East	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 302494	**Northing:** 6185432	**Easting:** 54H 302187	**Northing:** 6185329

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain, east of Freeling.

Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa* Open Woodland	**Number of Threatened Species Present:** 6 Regionally Listed Species (2 Vulnerable, 1 Rare, 3 Near Threatened)

Notes / General Observations:

- Little used track.
- Good Themeda patch.

Threats to native vegetation identified: • Road-works. • Weeds: Annual grasses, Perennial Veldt grass. Herbaceous – Golden Pallensis, Onion Weed. Woody - Boxthorn.	**Threat abatement recommendations:** • Don't upgrade road. • Woody weed control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Austrostipa blackii	Crested Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Convolvulus angustissimus ssp.	Bindweed			
Eremophila longifolia	Weeping Emubush			Rare
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Haloragis aspera	Rough Raspwort			Vulnerable
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Setaria constricta	Knotty-bush Paspalidium			Near Threatened
Themeda triandra	Kangaroo Grass			

Photo Sheet

Heinrich Road, eastern side facing west.

Site Location. Heinrich Road, east side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 24/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Muster Road, Freeling	**Side of Road:** *(i.e. west)* South-eastern		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 296765	**Northing:** 6186706	**Easting:** 54H 296710	**Northing:** 6186619
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Gently undulating, north-west of Freeling.			
Vegetation Association: *Austrostipa* Grassland		**Number of Threatened Species Present:** 3 Regionally Listed Species (3 Near Threatened)	

Notes / General Observations:

- Tiny site. If slashing is ceased site might become more valuable over a larger area.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Landholder's slashing. • Weeds: Annual & Perennial grasses (Rice Millet). Herbaceous weeds.	• Landholder education. • Control Rice Millet. • Assess for herbaceous weed control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Calostemma purpureum	Garland Lily			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Themeda triandra	Kangaroo Grass			

Photo Sheet

Muster Road, eastern end. Note slashing on the western side.

Site Location. Muster Road, south-eastern side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 24/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Bullock Road, Freeling	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 298843	**Northing:** 6187028	**Easting:** 54H 298323	**Northing:** 6186708

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Undulating, north of Freeling.

Vegetation Association:	**Number of Threatened Species Present:**
Austrostipa / Themeda Grassland	6 Regionally Listed Species (2 Vulnerable, 3 Rare, 1 Near Threatened)

Notes / General Observations:

- Slashing has affected north-western side badly; many She-oak's are unable to grow.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Slashing. • Road works. • Planted trees. • Weeds: Annual & Perennial grasses (Phalaris). Herbaceous weeds: tree mallow, horehound, blackberry nightshade, soursob.	• Cease slashing. • Don't upgrade road – close road?

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia victoriae ssp. *victoriae*	Elegant Wattle			Vulnerable
Allocasuarina sp.	(small – slashed each year).			
Aristida behriana	Brush Wire-grass			
Asperula conferta	Common Woodruff			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Calostemma purpureum	Garland Lily			
Convolvulus angustissimus	Bindweed			
Cryptandra sp (?) – seedling	Cryptandra			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eremophila longifolia	Weeping Emubush			Rare
Lepidosperma sp.	Rapier Sedge			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma caespitosum	Common Wallaby-grass			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Senna artemisioides petiolaris	Senna			Rare
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Bullock Road, northern end facing south.

Site Location. Bullock Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 24/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Schirmer Road, Freeling	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 302164	**Northing:** 6188633	**Easting:** 54H 302311	**Northing:** 6188543

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Undulating, north-east of Freeling.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata Woodland	5 Regionally Listed Species (2 Vulnerable, 1 Rare, 2 Near Threatened)

Notes / General Observations:

- Weedy site – Rice Millet is bad.
- *Goodenia pinnatifida* (Cut-leaf Goodenia) growing on unmade road.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Planting of Sugar Gums and introduced *Acacia trineura* • Poor weed spraying is compromising the site. • Weeds: Perennial grasses: Rice Millet. Herbaceous weeds: Scabiosa, Wild Sage, Golden Pallensis Woody weeds: olive	• Olive control • Investigate poor weed spraying (landholder, Council?)

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Dichanthium sericeum ssp. *sericeum*	Silky Blue-grass			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lepidosperma sp.	Rapier Sedge			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma caespitosum	Common Wallaby-grass			
Senna artemisioides petiolaris	Senna			Rare
Themeda triandra	Kangaroo Grass			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Schirmer Road, western end facing east.

Site Location. Schirmer Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 24/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Gramp Road, Freeling	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 300703	**Northing:** 6184742	**Easting:** 54H 301373	**Northing:** 6183981
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Gently undulating, east of Freeling.			
Vegetation Association: Predominately *Eucalyptus odorata* Open Woodland into mixed *Eucalypt* Mallee Woodland		**Number of Threatened Species Present:** 12 Regionally Listed Species (1 Endangered, 2 Vulnerable, 4 Rare, 5 Near Threatened)	
Notes / General Observations: • Previously burnt. • Eucalypts burnt – may be several species. • Wild Oats prolific after bushfire.			
Threats to native vegetation identified: • Road works. • Weeds: Annual Grasses. Perennial grasses (Rice Millet). Herbaceous weeds: Onion Weed, Wild Sage, Blackberry Nightshade, St Johns Wort, Soursob. Woody weeds: Boxthorn, Olive & Pinus halepensis.		**Threat abatement recommendations:** • Don't upgrade road. • Undertake woody weed control	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Allocasuarina verticillata	Drooping Sheoak			
Arthropodium strictum	Common Vanilla-lily			
Atriplex semibaccata	Berry Saltbush			
Austrostipa blackii	Crested Spear-grass			
Austrostipa curticoma	Short Crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine Bulbosa	Bulbine Lily			Near Threatened
Bursaria spinosa	Christmas Bush			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Enneapogon nigricans	Black-head Grass			
Eucalyptus odorata	Peppermint Box			Near Threatened
Eucalyptus socialis	Beaked Red Mallee			Vulnerable
Eucalyptus sp. (burnt)				
Halgania cyanea	Rough Blue-flower			Rare
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra micrantha ssp. *micrantha*	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Melaleuca lanceolata	Dryland Tea-tree			Rare
Oxalis perennans	Native Sorrell			
Panicum effusum var. *effusum*	Hairy Panic			Near Threatened
Pittosporum angustifolium	Native Apricot			Near Threatened
Pomaderris paniculosa ssp. *paniculosa*	Mallee Pomaderris			Near Threatened
Rytidosperma caespitosum	Common Wallaby-grass			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Rytidosperma setaceum	Small-flower Wallaby-grass			
Senna artemisioides ssp. *petiolaris* x *coriacea*	Senna			Rare
Themeda triandra	Kangaroo Grass			
Vittadinia gracilis	Woolly New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Gramp Road, northern end.

Site Location. Gramp Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Schumaker Road, Freeling	**Side of Road:** *(i.e. west)* North-eastern end – north & south sides	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 299108	**Northing:** 6197610	**Easting:** 54H 298914	**Northing:** 6197478

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, north of Freeling.

Vegetation Association:	**Number of Threatened Species Present:**
Allocasuarina verticillata & *Callitris gracilis* Woodland	8 Regionally Listed Species (4 Rare, 4 Near Threatened)

Notes / General Observations:

- Recently burnt (2016/2017 summer?).
- Excellent regeneration

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weeds: Annual Grasses. Herbaceous weeds: Onion Weed and Bridal Creeper. Woody weeds: *Pinus halepensis* is nearby.	• Control *Pinus halepensis* and Bridal Creeper.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Austrostipa blackii	Crested Spear-grass			
Austrostipa curticoma	Short Crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Clematis microphylla	Old Mans Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enneapogon nigricans	Black-head Grass			
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra effusa	Scented Mat-rush			Near Threatened
Melaleuca lanceolata	Dryland Tea-tree			Rare
Pimelea curviflora	Curved Riceflower			Rare
Pomaderris paniculosa ssp. *paniculosa*	Mallee Pomaderris			Near Threatened
Rytidosperma setaceum	Small-flower Wallaby-grass			
Velleia paradoxa	Velleia			Rare
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Schumaker Road, north-eastern end. Photo taken on the rise.

Site Location. Schumaker Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Pine Creek Road (south-east section), Linwood	**Side of Road:** *(i.e. west)* East and West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 297181	**Northing:** 6196236	**Easting:** 54H 297512	**Northing:** 6195773

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Gently undulating to flat, east of Linwood

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus behriana Woodland into *Austrostipa/Themeda* grassland	8 Regionally Listed Species (1 Vulnerable, 3 Rare, 4 Near Threatened) 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Little used track; some degraded part.
- *Eucalyptus behriana* (Broad-leaf Box) is present.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road maintenance. • Weeds: Annual Grasses. Herbaceous weeds: Onion Weed, Wild Sage & Soursob. Woody weeds: Boxthorn & Dog Rose.	• Control woody weeds. • Don't upgrade road.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Atriplex semibaccata	Berry Saltbush			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Calostemma purpureum	Garland Lily			
Chloris truncata	Windmill Grass			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Halgania cyanea	Rough Blue-flower			Rare
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra multiflora ssp *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Pittosporum angustifolium	Native Apricot			Near Threatened
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma setaceum	Small-flower Wallaby-grass			
Sclerolaena diacantha	Grey Bindyi			Rare
Themeda triandra	Kangaroo Grass			

Photo Sheet

Pine Creek Road corner of Wattle Tree Hill Road.

Pine Creek Road

Site Location. Pine Creek Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Pine Creek Road, Linwood	**Side of Road:** *(i.e. west)* West side only		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 296487	**Northing:** 6197215	**Easting:** 54H 296787	**Northing:** 6196781
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Flat plain down to minor creek, east of Linwood			
Vegetation Association: *Eucalyptus odorata* Woodland.		**Number of Threatened Species Present:** 13 Regionally Listed Species (1 Endangered, 2 Vulnerable, 6 Rare, 4 Near Threatened)	
Notes / General Observations: • Burnt in last of couple of years. • Eastern side badly damaged by herbicide spraying.			
Threats to native vegetation identified: • Herbicide damage. • Weeds: Annual Grasses. Herbaceous weeds: Bridal Creeper, Onion Weed, Golden Pallensis & Soursob. • Rabbit scats.		**Threat abatement recommendations:** • Education. • Control rabbits. • Undertake bridal creeper control.	

Native Flora Species List

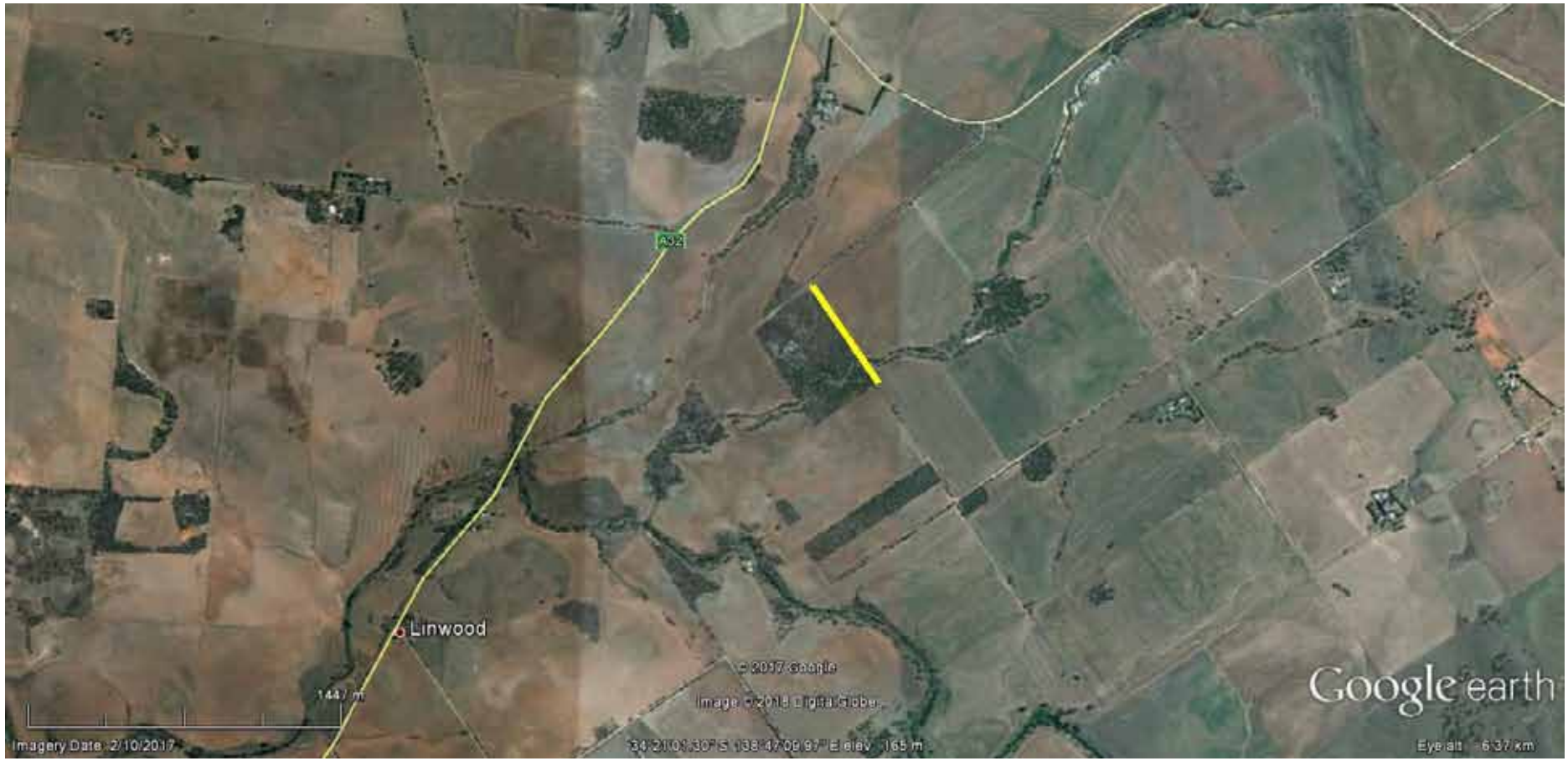
Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia halliana	Hall's Wattle			Vulnerable
Acacia notablis	Notable Wattle			Endangered
Alectryon oleifolius ssp. *canescens*	Bullock Bush			Rare
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nitida	Balcarra Spear-grass			Rare
Austrostipa nodosa	Tall Spear-grass			
Austrostipa platychaeta	Flat-awn Spear-grass			Rare
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus odorata	Peppermint Box			Near Threatened
Maireana enchylaenoides	Wingless Fissure-plant			
Pittosporum angustifolium	Native Apricot			Near Threatened
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma setaceum	Small-flower Wallaby-grass			
Sclerolaena diacantha	Grey Bindyi			Rare
Senna artemidioides ssp. *x coriacea*	Senna			Rare
Threlkeldia diffusa	Coast Bonefruit			Near Threatened
Westringia rigida	Stiff Westringia			Vulnerable

Photo Sheet

Pine Creek Road, western side only. Eastern side sprayed.

Pine Creek Road, Southern end.

Site Location. Pine Creek Road, west side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good (just)
Road Name: Pine Creek Road, Linwood	**Side of Road:** *(i.e. west)* North and South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 297230	**Northing:** 6197879	**Easting:** 54H 296971	**Northing:** 6197656

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Gently undulating, almost flat plain, east of Linwood

Vegetation Association: *Callitris gracilis* Woodland.	**Number of Threatened Species Present:** 5 Regionally Listed Species (1 Endangered, 3 Rare, 1 Near Threatened)

Notes / General Observations:

- Terrible weed spraying; huge loss of native grasses.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Off-target herbicide damage. • Road works. • Weeds: Annual Grasses. Perennial Grass - Rice Millet. Herbaceous weeds: Bridal Creeper & Golden Pallensis.	• Educate landholders / contractors. • Don't upgrade road. • Undertake bridal creeper control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia notablis	Notable Wattle			Endangered
Aristida behriana	Brush Wire-grass			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Pimelea curviflora var.	Curved Riceflower			Rare
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma setaceum	Small-flower Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			

Photo Sheet

Pine Creek Road, south-west end.

Pine Creek Road, sprayed roadside post burn.

Pine Creek Road, sprayed roadside.

Pine Creek Road, sprayed roadside (area was not burnt in fire).

Site Location. Pine Creek Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Deep Creek Road, Bethel	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 299003	**Northing:** 6199648	**Easting:** 54H 299263	**Northing:** 6199288
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Hilly, northern end of road on the crest.			
Vegetation Association: *Eucalyptus behriana / Allocasuarina verticillata* Woodland.		**Number of Threatened Species Present:** 7 Regionally Listed Species (1 Vulnerable, 3 Rare, 3 Near Threatened) 1 NPW Act Listed Species (1 Rare)	
Notes / General Observations: • Good stand of *Eucalyptus behriana*.			
Threats to native vegetation identified: • Road works. • Weeds: Annual Grasses. Herbaceous weeds: Scabiosa & Golden Pallensis. Woody weeds: Dog Rose & Peppertree.		**Threat abatement recommendations:** • Don't upgrade road. • Control woody weeds.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Aristida behriana	Brush Wire-grass			
Atriplex semibaccata	Berry Saltbush			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Chloris truncata	Windmill Grass			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Enneapogon nigricans	Black-head Grass			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus odorata	Peppermint Box			
Gonocarpus elatus	Hill Raspwort			
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Oxalis perennans	Native Sorrell			
Pimelea curviflora var.	Curved Riceflower			Rare
Rytidosperma setaceum	Small-flower Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Deep Creek Road, north-west end.

Deep Creek Road.

Site Location. Deep Creek Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Hill Drive, Kapunda	**Side of Road:** *(i.e. west)* north and south	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 304781	**Northing:** 6195316	**Easting:** 54H 303966	**Northing:** 6195801

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Hilly - crest, south-west of Kapunda.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata / Allocasuarina verticillata Woodland.	6 Regionally Listed Species (2 Vulnerable, 2 Rare, 2 Near Threatened) 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- 4WD enthusiasts are ruining the site. Close section of road.
- Good numbers of *Acacia acinacea* (Wreath Wattle).
- *Eucalyptus behriana* (Broad-leaf Box) is present.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weeds: Annual Grasses. Herbaceous weeds: Galenia, Bridal Creeper, Cactus Woody weeds: Olive & Boxthorn.	• Control woody weeds. • Control bridal creeper & cactus.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Chloris truncata	Windmill Grass			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans ssp. *nutans*	Climbing Saltbush			
Enneapogon nigricans	Black-head Grass			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Oxalis perennans	Native Sorrel			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Vittadinia cuneata	Fuzzy New Holland Daisy			Rare
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Hill Drive, facing north-west.

Hill Drive, facing south-east.

Site Location. Hill Drive, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 19/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Trevena Road, Kapunda	**Side of Road:** *(i.e. west)* south		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 305514	**Northing:** 6198648	**Easting:** 54H 304883	**Northing:** 6199039

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills - west of Kapunda.

Vegetation Association: *Eucalyptus odorata* Woodland.	**Number of Threatened Species Present:** 6 Regionally Listed Species (1 Vulnerable, 2 Rare, 3 Near Threatened)

Notes / General Observations:

- Good patches of *Goodenia pinnatifida* (Cut-leaf Goodenia)
- High numbers of olives.

Threats to native vegetation identified: • Road works. • Weeds: Annual Grasses. Herbaceous weeds: Scabiosa, Gazania, Soursob, Salvia. Woody weeds: Olive, Boxthorn & Dog Rose.	**Threat abatement recommendations:** • Olive control. • Control Boxthorn & Dog Rose. • Don't upgrade road.

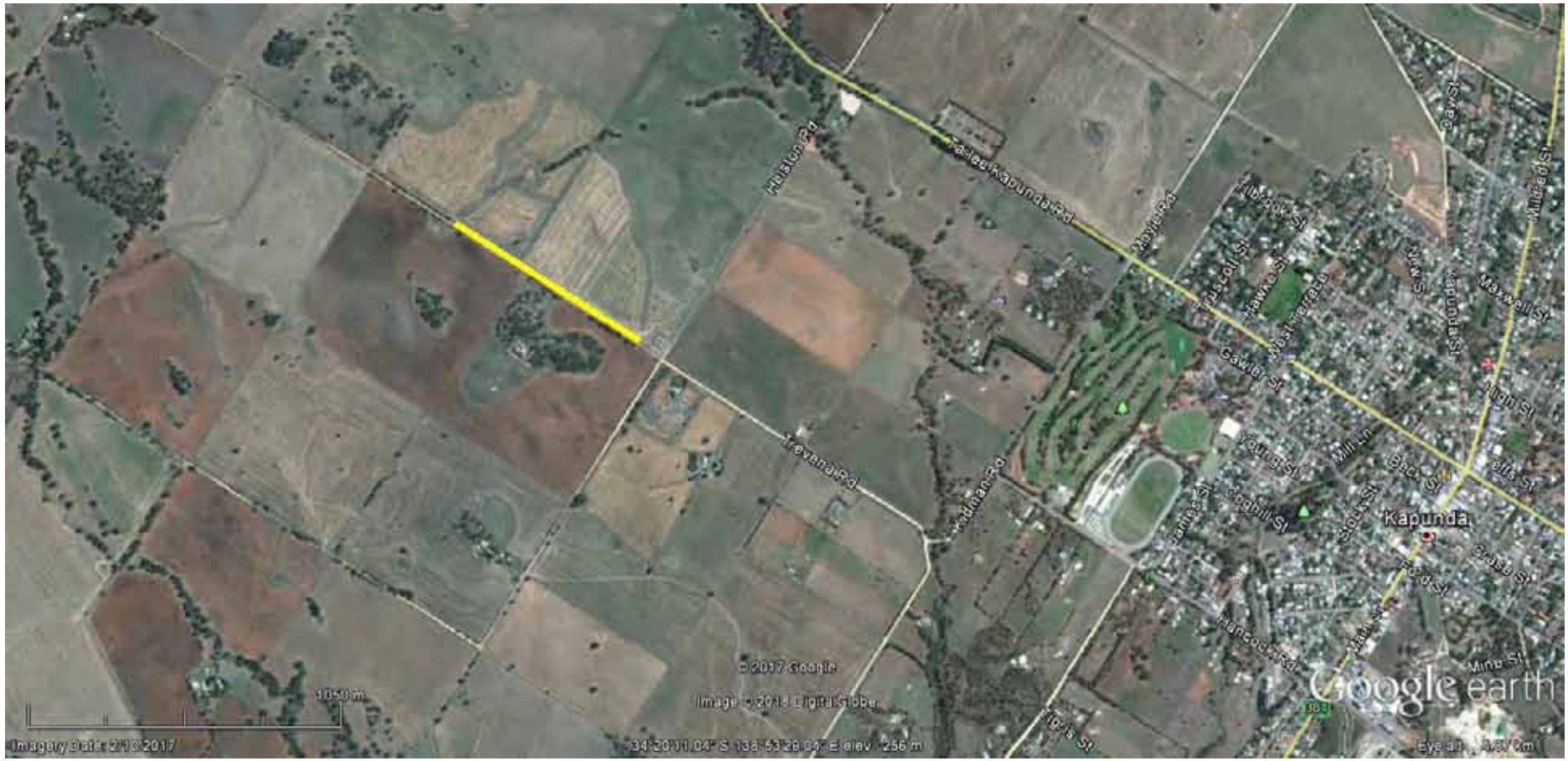
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Amyema preissii	Wire-leaf Mistletoe			Near Threatened
Aristida behriana	Brush Wire-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Convolvulus angustissimus ssp.	Bindweed			
Einadia nutans ssp. *nutans*	Climbing Saltbush			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus odorata	Peppermint Box			
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata	Fuzzy New Holland Daisy			Rare
Vittadinia gracilis	Woolly New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Trevena Road, eastern end.

Site Location. Trevena Road, south side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Liebig Road, Nuriootpa	**Side of Road:** *(i.e. west)* East & west	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 313191	**Northing:** 6182777	**Easting:** 54H 313008	**Northing:** 6182251

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*
Gently undulating, east of Marananga.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus behriana + Callitris gracilis + E. odorata / E. leucoxylon ssp. *pruinosa* Woodland.	5 Regionally Listed Species (3 Vulnerable, 1 Rare, 1 Near Threatened) 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Road closed south of southern GPS reading.
- *Leptomeria aphylla* (Leafless Currant-bush) – 1 plant only.
- *Eucalyptus behriana* (Broad-leaf Box) is present.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Vineyard activities eastern side. • Weeds: Extensive Perennial Veldt Grass. Herbaceous weeds: extensive Soursob, Gazania, & Bridal Creeper. Woody weeds: Olive.	• Education. • Control Olive. • Control Soursob, Gazania & Bridal Creeper.

Native Flora Species List

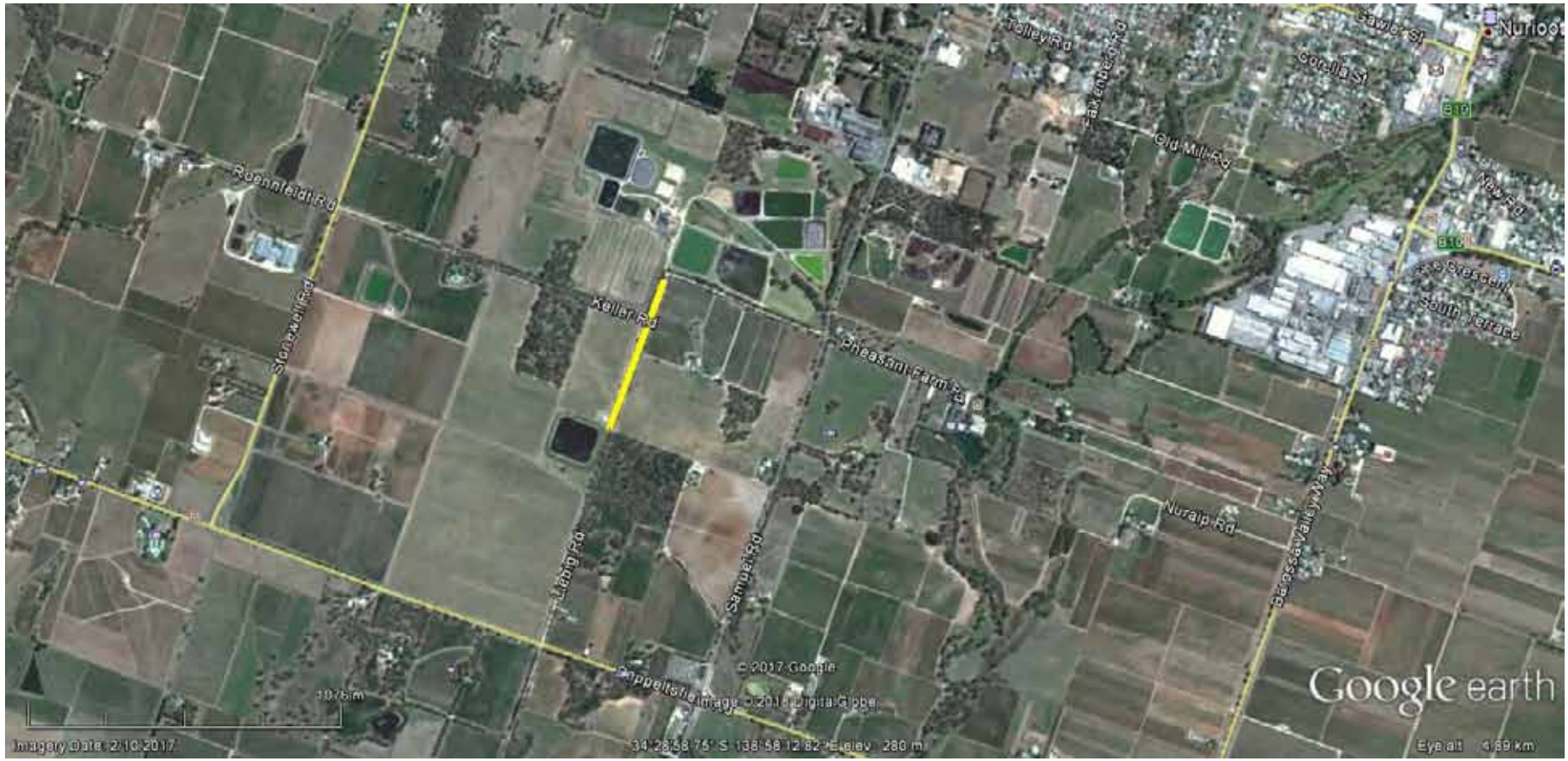
Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Calostemma purpureum	Garland Lily			
Chloris truncata	Windmill Grass			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Exocarpos cupressiformis	Native Cherry			
Gonocarpus elatus	Hill Raspwort			
Lepidosperma viscidum	Sticky Sword-sedge			
Leptomeria aphylla	Leafless Currant-bush			Vulnerable
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Liebig Road, northern end.

Liebig Road, southern end.

Site Location. Liebig Road, east & west sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Liebig Road, Nuriootpa.	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 313476	**Northing:** 6182678	**Easting:** 54H 313199	**Northing:** 6182776

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Gently undulating.

Vegetation Association: *Eucalyptus odorata + Callitris gracilis / E. behriana* Woodland.	**Number of Threatened Species Present:** 2 Regionally Listed Species (1 Vulnerable, 1 Rare) 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Vineyard activities are impacting on the southern and eastern sides.
- *Eucalyptus behriana* (Broad-leaf Box) is present.

Threats to native vegetation identified: • Vineyard activities. • Weeds: Perennial Veldt Grass. Rice Millet. Soursob.	**Threat abatement recommendations:** • Education.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Atriplex stipitata	Bitter Saltbush			Rare
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Callitris gracilis	Southern Cypress Pine			
Chloris truncata	Windmill Grass			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus odorata	Peppermint Box			
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma setaceum	Small-flower Wallaby-grass			

Photo Sheet

Liebig Road, eastern end.

Liebig Road, western end.

Site Location. Leibig Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Keller Road, Nuriootpa	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 312239	**Northing:** 6182930	**Easting:** 54H 313051	**Northing:** 6182648

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Hilly, north of Marananga

Vegetation Association: *Eucalyptus odorata / E. behriana* Woodland.	**Number of Threatened Species Present:** 10 Regionally Listed Species (5 Vulnerable, 5 Rare) 3 NPW Act Listed Species (3 Rare)

Notes / General Observations:

- A very important patch of native vegetation; quite a few *Eucalyptus behriana* – and important seed source.
- *Cassinia arcuata* (Drooping Cassinia) is present.

Threats to native vegetation identified: • Road works. • Motorbike jumps and track. • Weeds: Perennial Veldt Grass. Herbaceous: Soursob & Bridal Creeper. Woody Weeds: Olive.	**Threat abatement recommendations:** • Do not widen/improve road. • Control olives. • Control herbaceous weeds. • Close road – gated entrance for landholders.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa blackii	Crested Spear-grass			
Austrostipa breviglumis	Cane Spear-grass	Rare		Vulnerable
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Calocephalus citreus	Lemon Beauty-heads			Rare
Calostemma purpureum	Garland Lily			
Cassinia arcuata	Drooping Cassinia			Vulnerable
Chenopodium desertorum ssp.	Goosefoot			Rare
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Lepidosperma viscidum	Sticky Sword-Sedge			
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Small-leaf Bluebush			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Maireana enchylaenoides	Wingless Fissure-plant			
Maireana rohrlachii	Rohrlach's Bluebush	Rare		Rare
Rytidosperma setaceum	Small-flower Wallaby-grass			
Salsola australis	Buckbush			
Santalum acuminatum	Quandong			Rare
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata	Fuzzy New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Keller Road, western end facing east.

Liebig Road, eastern end facing west.

Site Location. Keller Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Black Joes Road, Allendale North	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 303814	**Northing:** 6201212	**Easting:** 54H 305725	**Northing:** 6205128

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, north-west of Kapunda

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata + E. leucoxylon ssp. *pruinosa* Woodland.	8 Regionally Listed Species (1 Vulnerable, 5 Rare, 2 Near Threatened)

Notes / General Observations:

- Track only; not graded.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road-works. • Weeds: Perennial Grasses: Cocksfoot, Phalaris. Herbaceous: Golden Pallensis, Wild Sage, Plantain, Bridal Creeper, Soursob. Woody Weeds: Olive, Dog Rose, Boxthorn.	• Undertake woody weed control. • Control bridal creeper & perennial grasses. • Don't upgrade road.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Acacia retinodes	Wirilda			Rare
Acaena echinata	Sheep's Burr			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Calocephalus citreus	Lemon Beauty-heads			Rare
Calostemma purpureum	Garland Lily			
Chenopodium desertorum ssp.	Goosefoot			Rare
Clematis microphylla	Old Man's Beard			
Convolvulus angustissimus	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Hardenbergia violacea	Native Lilac			Near Threatened
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Maireana enchylaenoides	Wingless Fissure-plant			
Pultenaea largiflorens	Twiggy Pea-bush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Vittadinia sp.	New Holland Daisy			

Photo Sheet

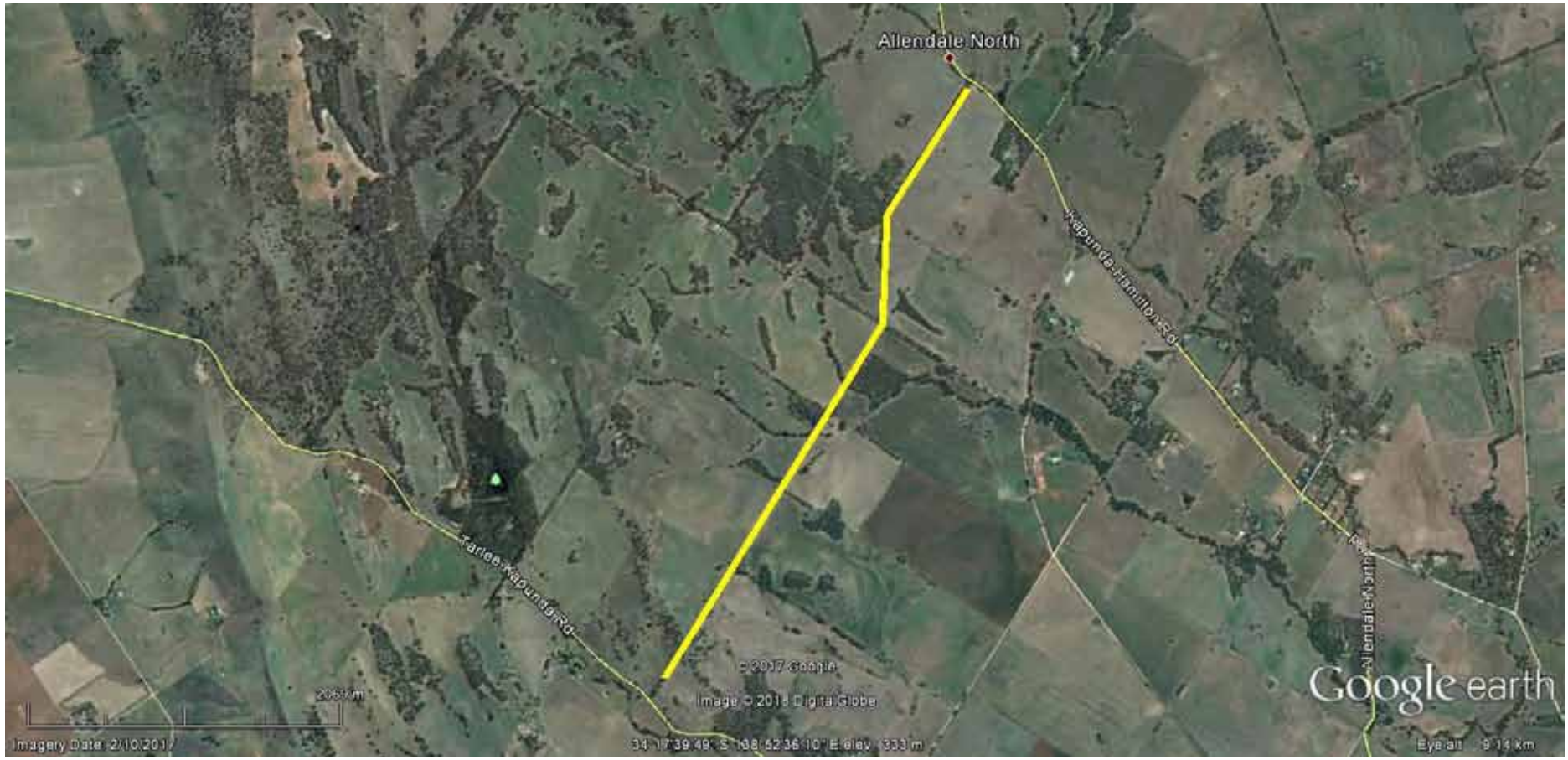
Black Joes Road, southern end facing north.

Black Joes Road at Bridge Road junction.

Black Joes Road at Marrebel Road corner.

Black Joes Road at Marrebel Road.

Site Location. Black Joes Road, east & west sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Allen Creek Road East, Allendale North	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 304853	**Northing:** 6205752	**Easting:** 54H 305532	**Northing:** 6205415
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, north-west of Kapunda			
Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa* Woodland.		**Number of Threatened Species Present:** 2 Regionally Listed Species (1 Vulnerable, 1 Near Threatened)	
Notes / General Observations: • Short site. Some parts degraded understorey.			
Threats to native vegetation identified: • Road-works. • Rabbits. • Weeds: Annual grasses. Herbaceous: Soursob & Scabiosa. Woody Weeds: Olive, Dog Rose.		**Threat abatement recommendations:** • Don't upgrade road. • Control rabbits. • Undertake woody weed control.	

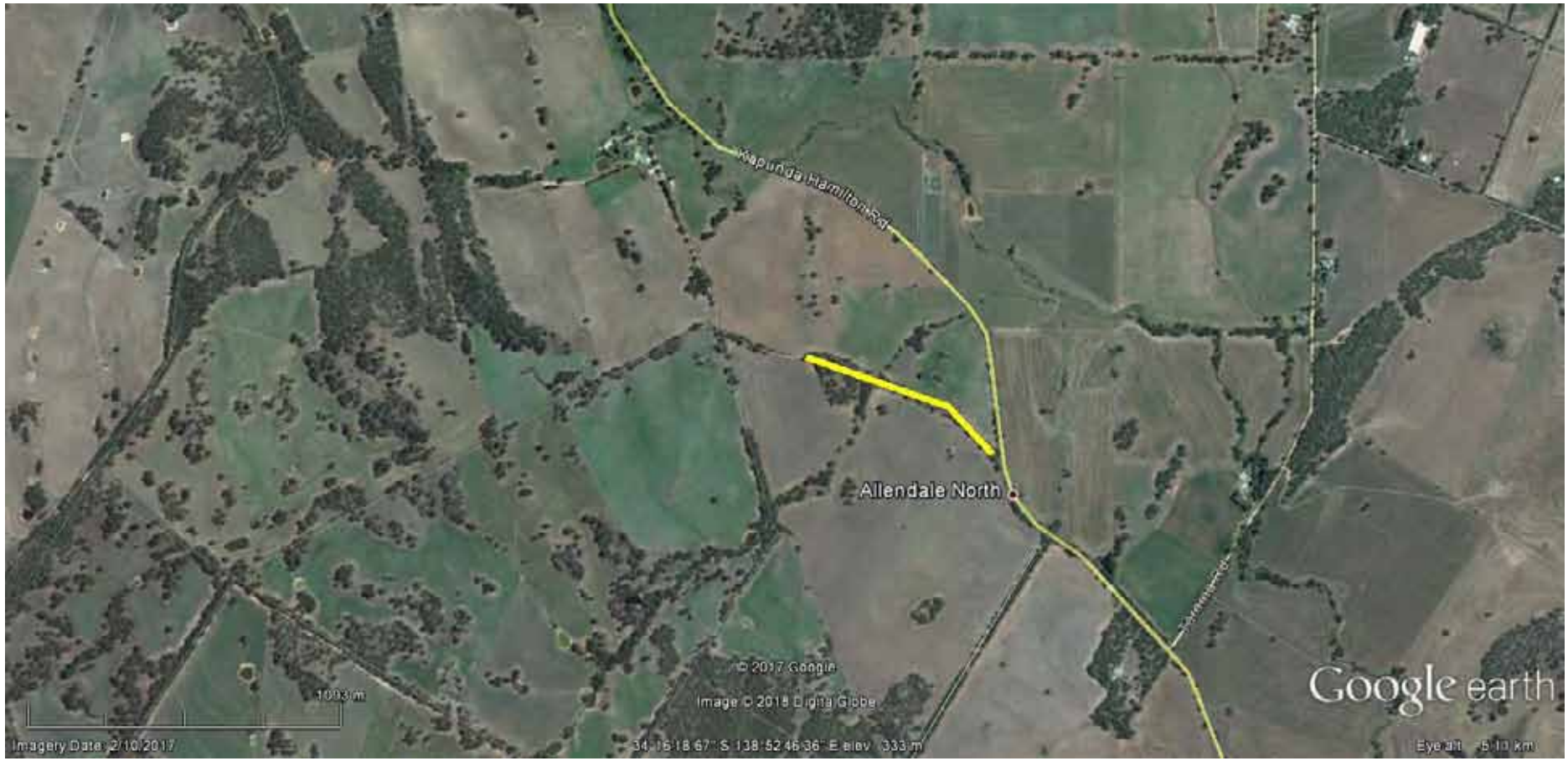
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Cyperus gymnocaulos	Spiny Flat Sedge			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Allen Creek Road East, south east end.

Site Location. Allen Creek Road East, north & south sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Allen Creek Road West, Allendale North	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 304554	**Northing:** 6205843	**Easting:** 54H 304752	**Northing:** 6205763

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Undulating low hills, north-west of Kapunda

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* Woodland.	2 Regionally Listed Species (1 Vulnerable, 1 Near Threatened)

Notes / General Observations:

- Some parts 100% native grass cover.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road-works. • Weeds: Herbaceous: Soursob. Woody Weeds: Olive, Dog Rose, Aloe & Plum.	• Undertake woody weed control. • Don't upgrade road.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Anthosachne scabra	Native Wheat-grass			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Chloris truncata	Windmill Grass			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Oxalis perennans	Native Sorrell			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Allen Creek Road West, northern end facing south.

Site Location. Allen Creek Road West, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 18/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Apley Heights Road, Kapunda	**Side of Road:** *(i.e. west)* East & west	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 302961	**Northing:** 6202138	**Easting:** 54H 303242	**Northing:** 6202585

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, north-west of Kapunda (adjacent Pines Reserve).

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* Woodland at the southern end grading into *E. odorata* Woodland.	4 Regionally Listed Species (1 Vulnerable, 3 Rare)

Notes / General Observations:

- Little used road, 1st section is degraded though.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road works. • Weeds: Annual Grasses. Perennial Grasses (Rice Millet). Herbaceous weeds: Soursob, & Bridal Creeper. Woody weeds: Olive & Dog Rose.	• Don't upgrade road. • Undertake woody weed control. • Control Bridal Creeper.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Dodonaea viscosa ssp. *spatulata*	Sticky Hopbush			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Gonocarpus elatus	Hill Raspwort			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Ozothamnus retusus	Notched Bush-everlasting			Rare
Pultenaea largiflorens	Twiggy Pea-bush			
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma setaceum	Small-flower Wallaby-grass			

Photo Sheet

Apley Heights Road, southern end, facing north.

Apley Heights Road, northern end, facing south.

Site Location. Apley Heights Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Taylors Run, Hamilton	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 303311	**Northing:** 6210188	**Easting:** 54H 302479	**Northing:** 6202163

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Undulating – south-west of Hamilton.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* Woodland.	11 Regionally Listed Species (2 Vulnerable, 5 Rare, 4 Near Threatened). 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Wide road reserve; variable quality, variable width.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weeds: Annual Grasses. Perennial Grasses: Rice Millet, Veldt. Herbaceous: extensive Soursob. Woody Weeds: Olive, Dog Rose, Boxthorn.	• Undertake woody weed control. • Undertake soursob control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acacia retinodes	Wirilda			Rare
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Atriplex stipitata	Bitter Saltbush			Rare
Austrostipa breviglumis	Cane Spear-grass	Rare		Vulnerable
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa muelleri	Tangled Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Calostemma purpureum	Garland Lily			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Exocarpos cuppressiformis	Native Cherry			
Gonocarpus elatus	Hill Raspwort			
Gonocarpus mezianus	Broad-leaf Raspwort			
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Hardenbergia violacea	Native Lilac			Near Threatened

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Juncus pallidus	Pale Rush			
Juncus subsecundus	Finger Rush			
Lomandra densiflora	Soft-tussock Mat-rush			
Oxalis perennans	Native Sorrell			
Poa sp.	Tussock-grass			
Pultenaea largiflorens	Twiggy Pea-bush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Rytidosperma sp	Wallaby-grass			
Scaevola albida	Pale Fanflower			
Senecio quadridentatus	Cotton Groundsel			
Stackhousia monogyna	Creamy Candles			Near Threatened
Themeda triandra	Kangaroo Grass			
Velleia paradoxa	Spur Velleia			Rare
Vittadinia gracilis	Woolly New Holland Daisy			
Vittadinia sp.	New Holland Daisy			
Wahlenbergia luteola	Yellow-wash Bluebell			Rare

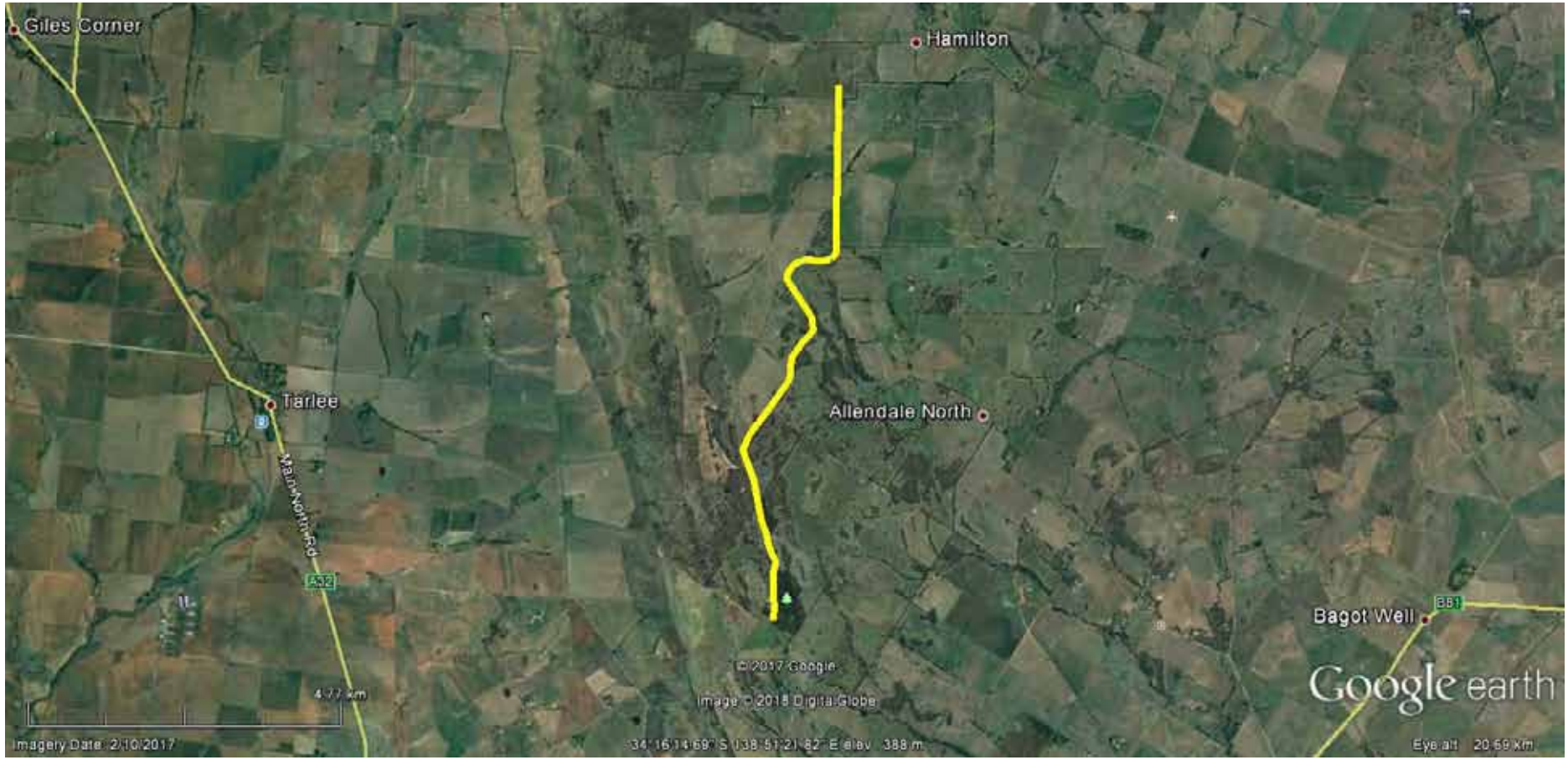
Photo Sheet

Taylors Run, northern end.

Taylors Run, midway after Y junction, facing south.

Taylors Run, midway (1.7km from intersection), facing south.

Site Location. Taylors Run, east & west sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Hydedale Road - South, Hamilton	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 303321	**Northing:** 6208364	**Easting:** 54H 303336	**Northing:** 6207771
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Gently undulating – South of Hamilton.			
Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa* Woodland.		**Number of Threatened Species Present:** 2 Regionally Listed Species (1 Vulnerable, 1 Near Threatened).	
Notes / General Observations: • Appears to be quite weed free at the northern end. • Not many annual grass weeds.			
Threats to native vegetation identified: • Road works. • Weeds: Perennial Grasses: Soursob, Scabiosa.		**Threat abatement recommendations:** • Don't upgrade road. • Control soursob. • Monitor in to the future for potential woody weed invasion.	

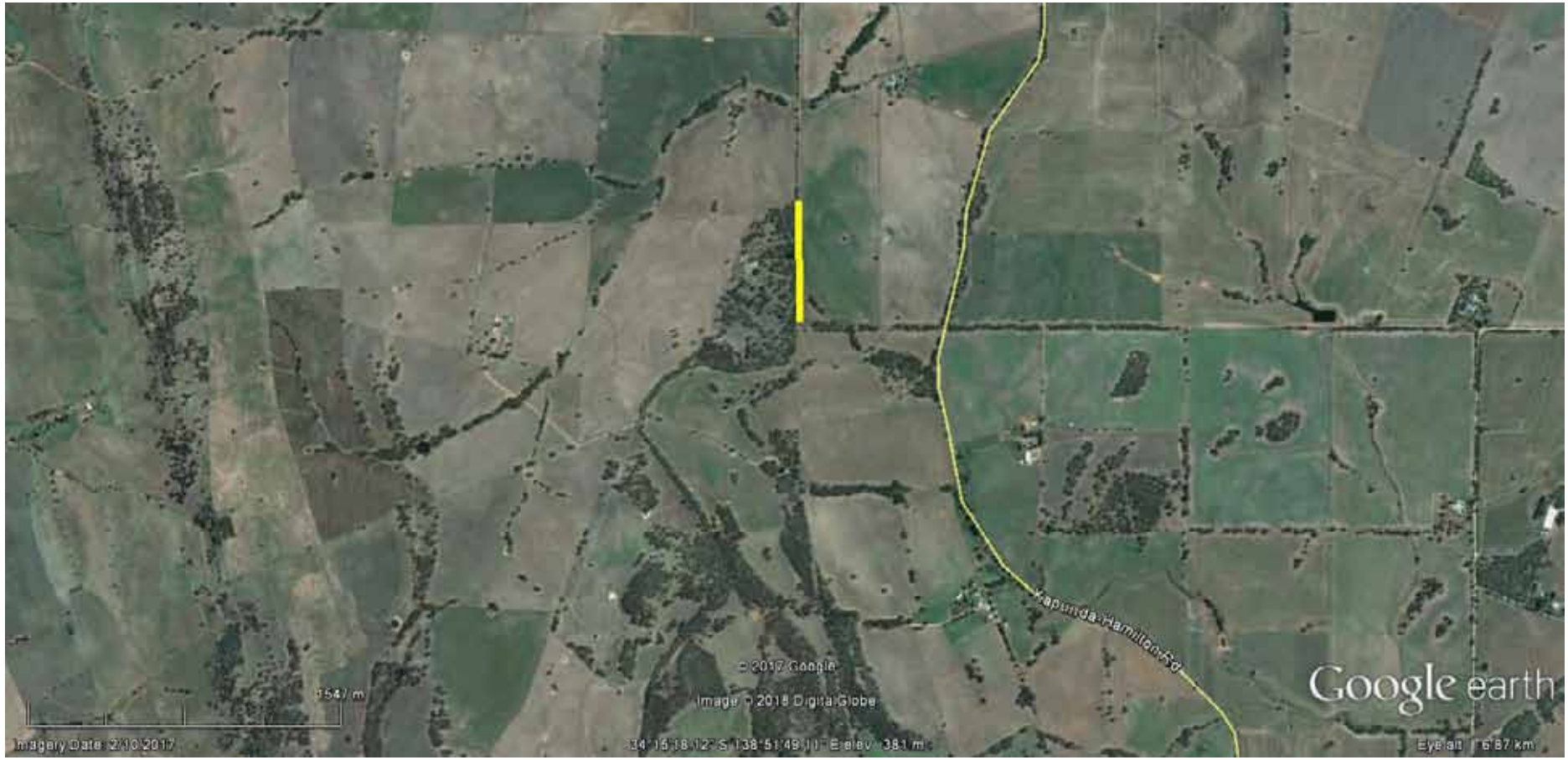
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Chrysocephalum apiculatum	Common Everlasting			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard-tussock Mat-rush			
Pimelea glauca	Smooth Riceflower			Near Threatened
Rytidosperma setaceum	Small-flower Wallaby-grass			

Photo Sheet

Hydedale Road, southern end.

Site Location. Hydedale Road South, east & west sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Hydedale Road - North, Hamilton	**Side of Road:** *(i.e. west)* Eastern	
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**
Easting: 54H 303287	**Northing:** 6210640	**Easting:** 54H 303311 / **Northing:** 6210188

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Generally gently undulating hill – West of Hamilton

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata Woodland.	4 Regionally Listed Species (2 Rare, 2 Near Threatened)

Notes / General Observations:

- Narrow road verge – small site.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road works. • Weeds: Annual Grasses. Woody weeds: Olive.	• Control annual grasses – slash/burn August? • Undertake olive control. • Educate road-workers.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Chenopodium desertorum ssp. (prostrate form)	Goosefoot			Rare
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Eucalyptus odorata	Peppermint Box			
Hardenbergia violacea	Native Lilac			Near Threatened
Juncus subsecundus	Finger Rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma erianthum	Hill Wallaby-grass			Near Threatened
Themeda triandra	Kangaroo Grass			

Photo Sheet

Hydedale Road, northern end. Intersection of Swamp & Hydedale Roads.

Site Location. Hydedale Road North, eastern side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Hydedale Road - North, Hamilton	**Side of Road:** *(i.e. west)* Western		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 303304	**Northing:** 6209986	**Easting:** 54H 303296	**Northing:** 6210804
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills – West of Hamilton			
Vegetation Association: *Eucalyptus odorata* Woodland.		**Number of Threatened Species Present:** 2 Regionally Listed Species (1 Vulnerable, 1 Near Threatened)	

Notes / General Observations:

- Little used track.
- Powerlines on eastern side.
- Annual grasses compromise site greatly.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road widening. • Roadside trimming/mulching dumped on native vegetation. • Weeds: Annual Grasses. Herbaceous: soursob. Woody weeds: Olive.	• Don't upgrade road. • Undertake olive control. • Education.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Lomandra densiflora	Soft-tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Rytidosperma erianthum	Hill Wallaby-grass			Near Threatened
Vittadinia sp.	New Holland Daisy			

Photo Sheet

Hydedale Road North, western side. Intersection of Cornvale & Hydedale Roads.

Site Location. Hydedale Road North, western side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Swamp Road, Hamilton	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 301109	**Northing:** 6211232	**Easting:** 54H 303279	**Northing:** 6210818
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, grading into a swampy area - west of Hamilton.			
Vegetation Association: *Eucalyptus odorata* Woodland grading into *E. leucoxylon* ssp. *pruinosa* Woodland.		**Number of Threatened Species Present:** 5 Regionally Listed Species (3 Vulnerable, 1 Rare)	
Notes / General Observations: • Good native vegetation with patches of weeds.			
Threats to native vegetation identified: • Damage by recreationalists. • Weeds: Annual Grasses. Woody weeds: Olive & Dog Rose.		**Threat abatement recommendations:** • Control annual grasses via slash or burn in August. • Undertake woody weed control.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Calostemma purpureum	Garland Lily			
Carex inversa var. *major*	Knob Sedge			Vulnerable
Carex tereticaulis	Rush Sedge			
Cheilanthes austrotenuifolia	Annual rock-fern			
Chrysocephalum apiculatum	Common Everlasting			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Dodonaea viscosa ssp. *spatulata*	Sticky Hopbush			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Gonocarpus tetragynus	Small-leaf Raspwort			
Juncus pallidus	Pale Rush			
Juncus subsecundus	Finger Rush			
Lomandra densiflora	Soft Tussock Mat-rush			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Oxalis perennans	Native Sorrell			
Pimelea humilis	Low Riceflower			
Pultenaea largiflorens	Twiggy Pea-bush			
Rytidosperma sp.	Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia gracilis	Woolly New Holland Daisy			
Vittadinia sp.	New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

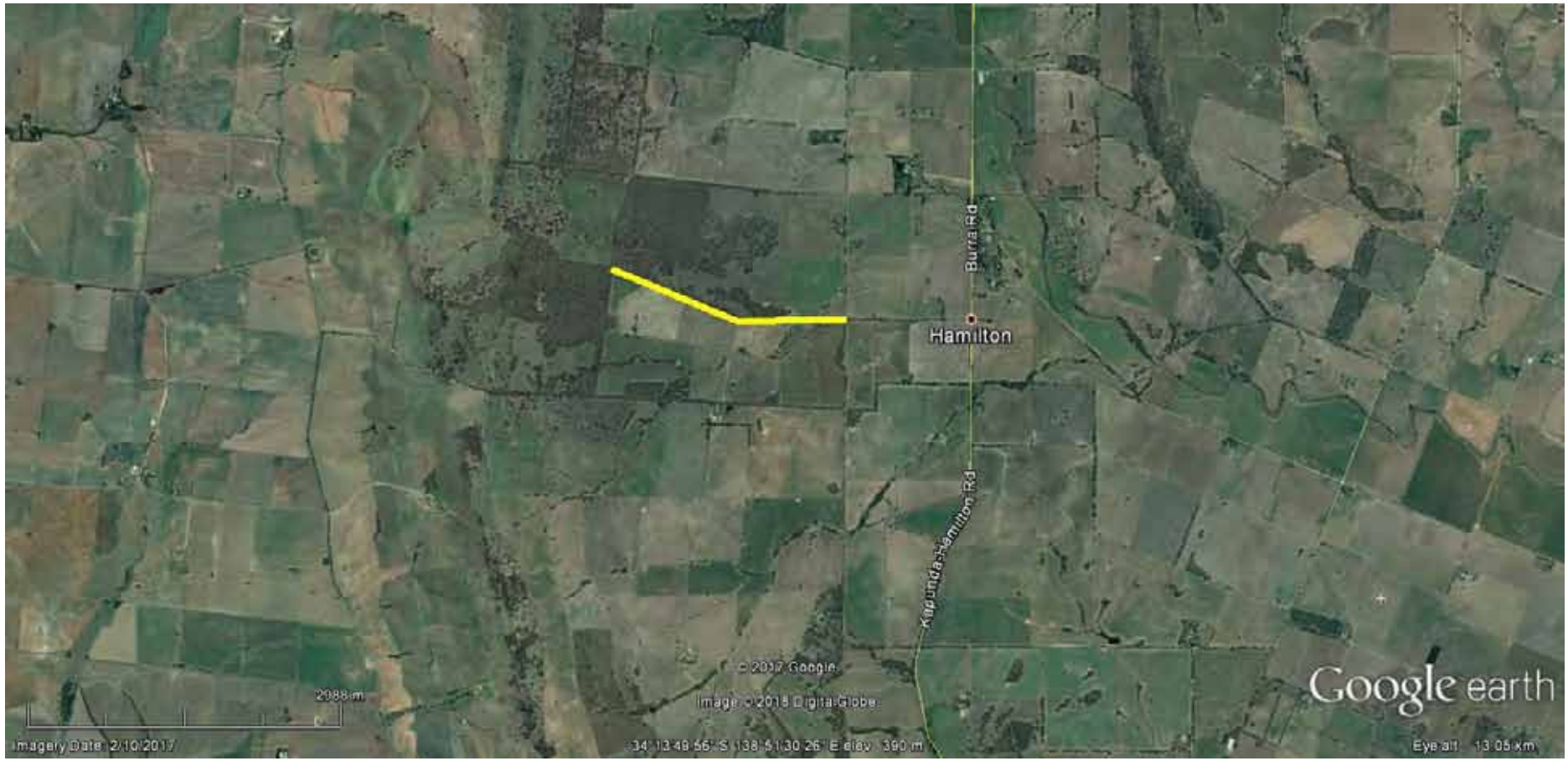
Photo Sheet

Swamp Road, western end, facing east.

Swamp Road, midway facing west.

Swamp Road, midway. Blue Gum woodland facing east.

Site Location. Swamp Road, north & south sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Kelly Road, SE of Marrabel	**Side of Road:** *(i.e. west)* South side	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 306745	**Northing:** 6214573	**Easting:** 54H 306412	**Northing:** 6214507

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, south-east of Marrabel.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata & *E. leucoxylon* ssp. *pruinosa* Woodland.	2 Regionally Listed Species (2 Vulnerable)

Notes / General Observations:

- Small site, narrow in parts.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weeds: Annual Grasses are prolific. Herbaceous: Wild Sage, Artichoke thistle Woody weeds: Olive & Dog Rose.	• Undertake woody weed & artichoke thistle control • Slash or burn annual grasses in August?

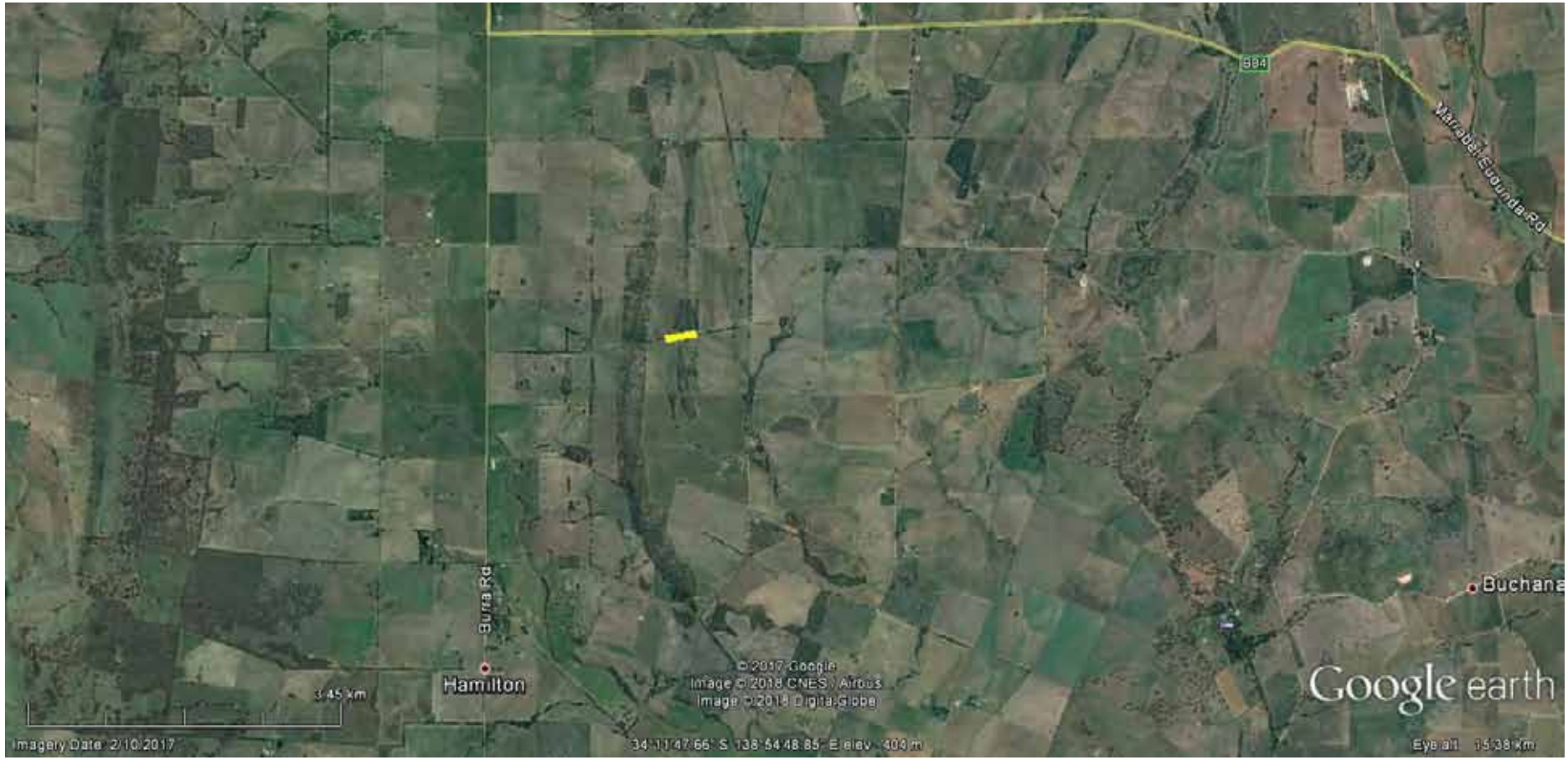
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australia Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma sp.	Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Kelly Road, southern side, eastern end.

Site Location. Kelly road, south side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 17/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Kelly Road, SE of Marrabel	**Side of Road:** *(i.e. west)* North		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 305828	**Northing:** 6214405	**Easting:** 54H 306764	**Northing:** 6214580
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, south-east of Marrabel.			
Vegetation Association: *Eucalyptus odorata* Open Woodland.		**Number of Threatened Species Present:** 8 Regionally Listed Species (2 Vulnerable, 4 Rare, 2 Near Threatened)	
Notes / General Observations: • Great diversity interspersed with annual weed grass patches. • The site is narrow in parts.			
Threats to native vegetation identified: • Weeds: Annual Grasses. Herbaceous: Wild Sage, Artichoke thistle. Woody weeds: Olive & Dog Rose.		**Threat abatement recommendations:** • Undertake woody weed & artichoke thistle control.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Caesia calliantha	Blue Grass-lily			
Calocephalus citreus	Lemon Beauty-heads			Rare
Convolvulus angustissimus ssp. *peninsularum*	Grassland Bindweed			Rare
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Juncus subsecundus	Finger Rush			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Oxalis perennans	Native Sorrell			
Plantago sp.	Native Plantain			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Stackhousia monogyna	Creamy Candles			Near Threatened
Themeda triandra	Kangaroo Grass			
Vittadinia gracilis	Woolly New Holland Daisy			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Kelly Road, northern side. Western end, facing east.

Kelly Road, northern side. Eastern end, facing east.

Site Location. Kelly Road, north side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: Nitscke Road, south of Roenfeldt, Marananga.	**Side of Road:** *(i.e. west)* East		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 310955	**Northing:** 6183330	**Easting:** 54H 310828	**Northing:** 6182966
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, north of Marananga.			
Vegetation Association: *Eucalyptus odorata* Open Woodland.		**Number of Threatened Species Present:** 4 Regionally Listed Species (2 Vulnerable, 1 Rare, 1 Near Threatened)	
Notes / General Observations: • Weedy looking but good native grass cover.			
Threats to native vegetation identified: • Weeds: Herbaceous: Soursob. Woody weeds: Olive & Broom.		**Threat abatement recommendations:** • Undertake woody weed control.	

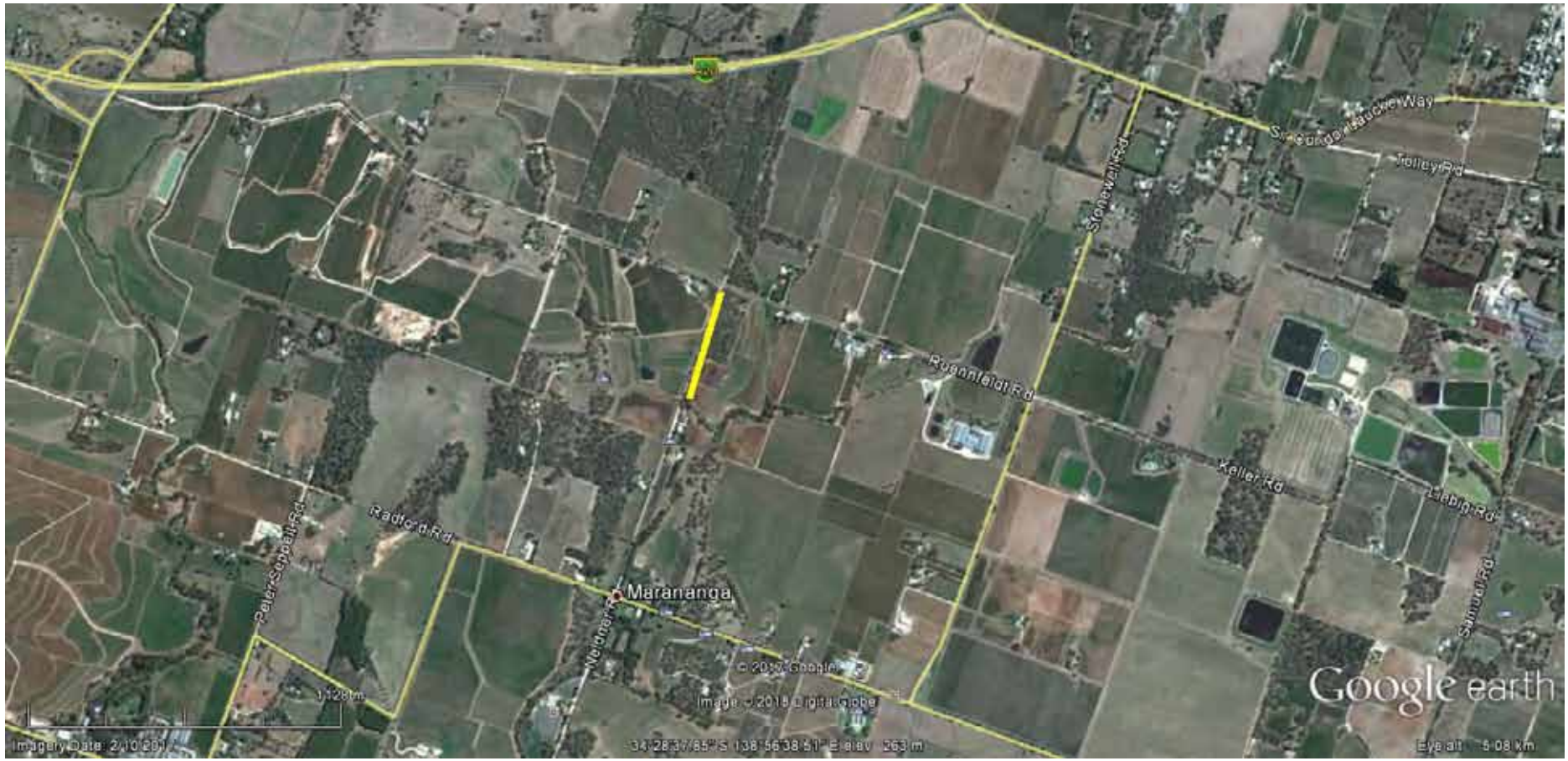
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Aristida behriana	Brush-wire Grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Calostemma purpureum	Garland Lily			
Clematis microphylla	Old Man's Beard			
Convolvulus sp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma caespitosum	Common Wallaby-grass			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Honeyeater			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Nitschke Road.

Site Location. Nitscke Road (south of Roenfeldt Rd), east side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Nitscke Road, Greenock	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 310782	**Northing:** 6188009	**Easting:** 54H 310662	**Northing:** 6187592

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling low hills, undulating - north of Greenock.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* Open Woodland.	1 Regionally Listed Species (1 Vulnerable)

Notes / General Observations:

- Would respond very well to management.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road works. • Weeds: Perennial Grass Weeds: Rice Millet. Woody weeds: Olive & Dog Rose.	• Undertake woody weed control. • Don't upgrade road.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Allocasuarina verticillata	Drooping Sheoak			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush-wire Grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Calostemma purpureum	Garland Lily			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Euphorbia drummondii	Caustic Weed			
Exocarpus cuppressiformis	Native Cherry			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma caespitosum	Common Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Honeyeater			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Nitschke Road, Greenock. Facing south.

Nitschke Road, Greenock. Facing south.

Site Location. Nitschke Road, Greenock, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Goitey Road, south-eastern end, Hansborough	**Side of Road:** *(i.e. west)* Northern side	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 317412	**Northing:** 6205730	**Easting:** 54H 317561	**Northing:** 6205691

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills.

Vegetation Association:	**Number of Threatened Species Present:**
Acacia shrubland with a grassy understorey.	3 Regionally Listed Species (1 Rare, 2 Near Threatened)

Notes / General Observations:

- Weedy but good populations of *Arthropodium strictum* and *Chrysocephalum semipapposum*.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road works. • Off-target spraying. • Weeds: Annual Grasses. Herbaceous: Scabiosa, Wild Sage.	• Don't upgrade road. • Landholder education.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa blackii	Crested Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Rytidosperma sp.	Wallaby-grass			
Themeda triandra	Kangaroo Grass			

Photo Sheet

Goitey Road, Hansborough. Southern end, northern side.

Goitey Road, Hansborough. Southern end, northern side.

Site Location. Goitey Road, northern side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good
Road Name: Goitey Road, Hansborough	**Side of Road:** *(i.e. west)* Eastern side	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 316049	**Northing:** 6207292	**Easting:** 54H 316219	**Northing:** 6206908

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills.

Vegetation Association:	**Number of Threatened Species Present:**
Austrostipa Grassland.	4 Regionally Listed Species (1 Rare, 3 Near Threatened)

Notes / General Observations:

- No trees, not diverse.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road works. • Off-target spraying damage. • Weeds: Annual Grasses.	• Don't upgrade road. • Landholder education.

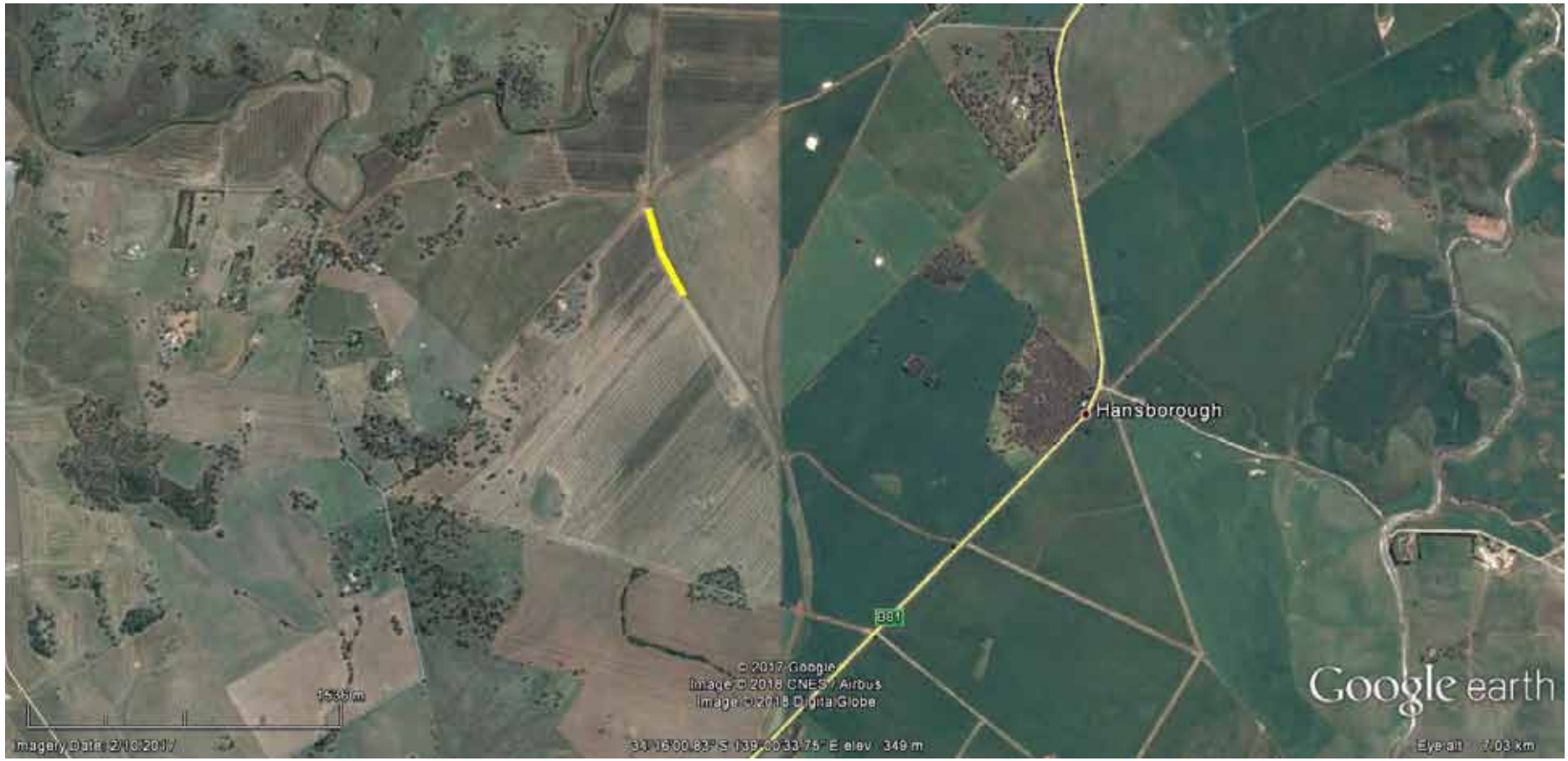
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma sp.	Wallaby-grass			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Goitey Road, Hansborough. Eastern side.

Site Location. Goitey Road, eastern side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good	
Road Name: School House Road, Bagot Well	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 313886	**Northing:** 6203458	**Easting:** 54H 313688	**Northing:** 6203826

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Low rolling hills, north-east of Kapunda.

Vegetation Association: *Allocasuarina verticillata / Eucalyptus odorata* Woodland.	**Number of Threatened Species Present:** 6 Regionally Listed Species (2 Vulnerable, 1 Rare, 3 Near Threatened)

Notes / General Observations:

- Little used road.
- Quite weedy but would respond well to weed management.

Threats to native vegetation identified: • Road improvement. • Weeds: Herbaceous: Scabiosa, Horehound, Golden Pallensis Woody: Dog Rose, Olive, *Pinus halepensis*	**Threat abatement recommendations:** • Undertake woody weed control. • Assess for herbaceous weed control.

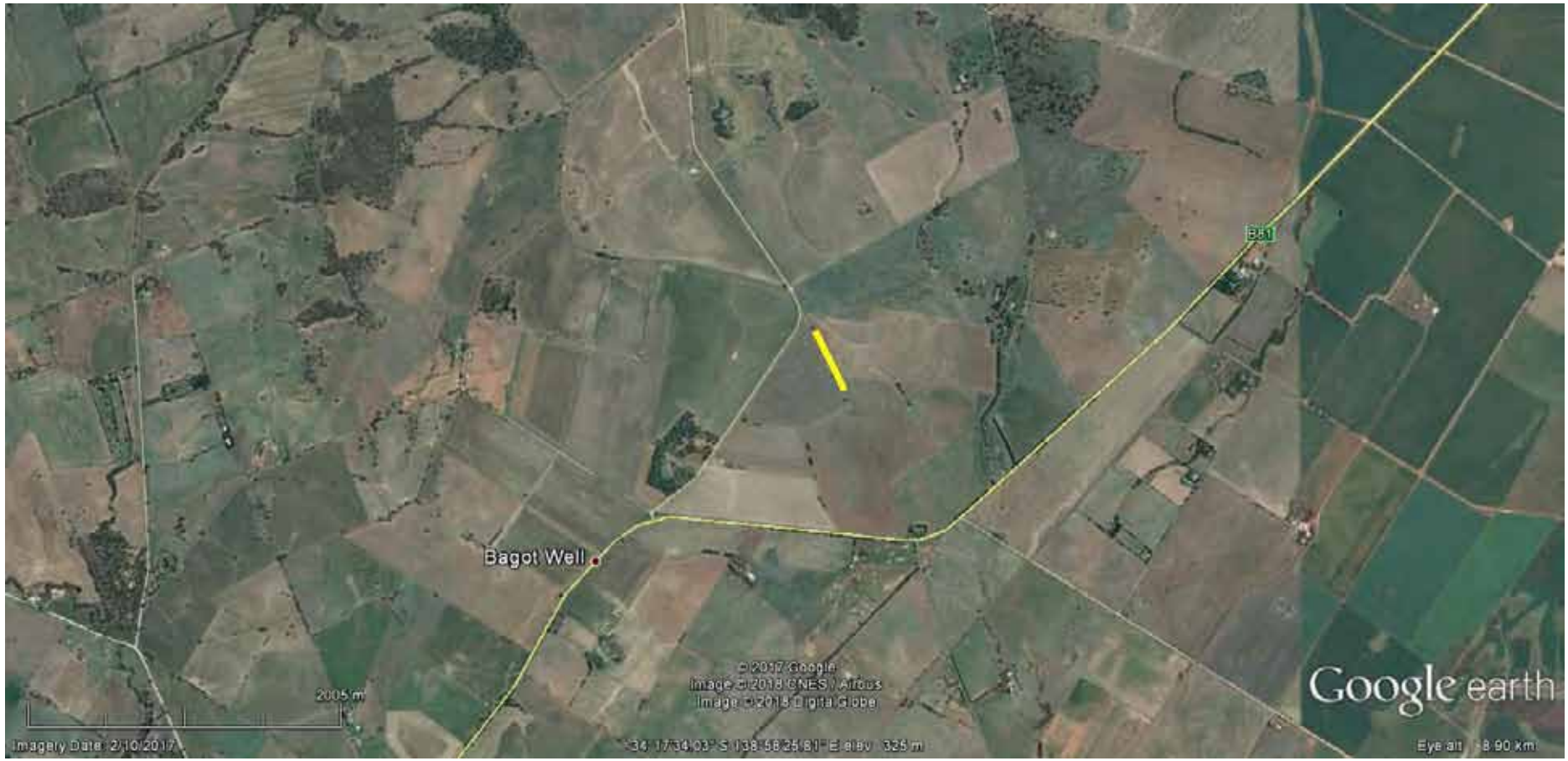
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Allocasuarina verticillata	Drooping Sheoak			
Arthropodium strictum	Common Vanilla-lily			
Atriplex semibaccata	Berry Saltbush			
Austrostipa blackii	Crested Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Chrysocephalum semipapposum	Clustered Everlasting			Near Threatened
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma sp.	Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

School House Road, facing north-west.

Site Location. School House Road, east & west sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date:	**Surveyor:**	**Condition of Vegetation:**
10/10/2017	Andrew Allanson	Good
Road Name:	**Side of Road:** *(i.e. west)*	
Flagstaff Hill Road, St Kitts	North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 323360	**Northing:** 6196709	**Easting:** 54H 323276	**Northing:** 6196652

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, south of St Kitts.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* Open Woodland.	4 Regionally Listed Species (1 Vulnerable, 1 Rare, 2 Near Threatened)

Notes / General Observations:

- Short site.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road widening. • Weeds: Herbaceous: Scabiosa, Wild Sage, Soursob Woody: Dog Rose.	• Educate road maintenance crew. • Undertake woody weed control.

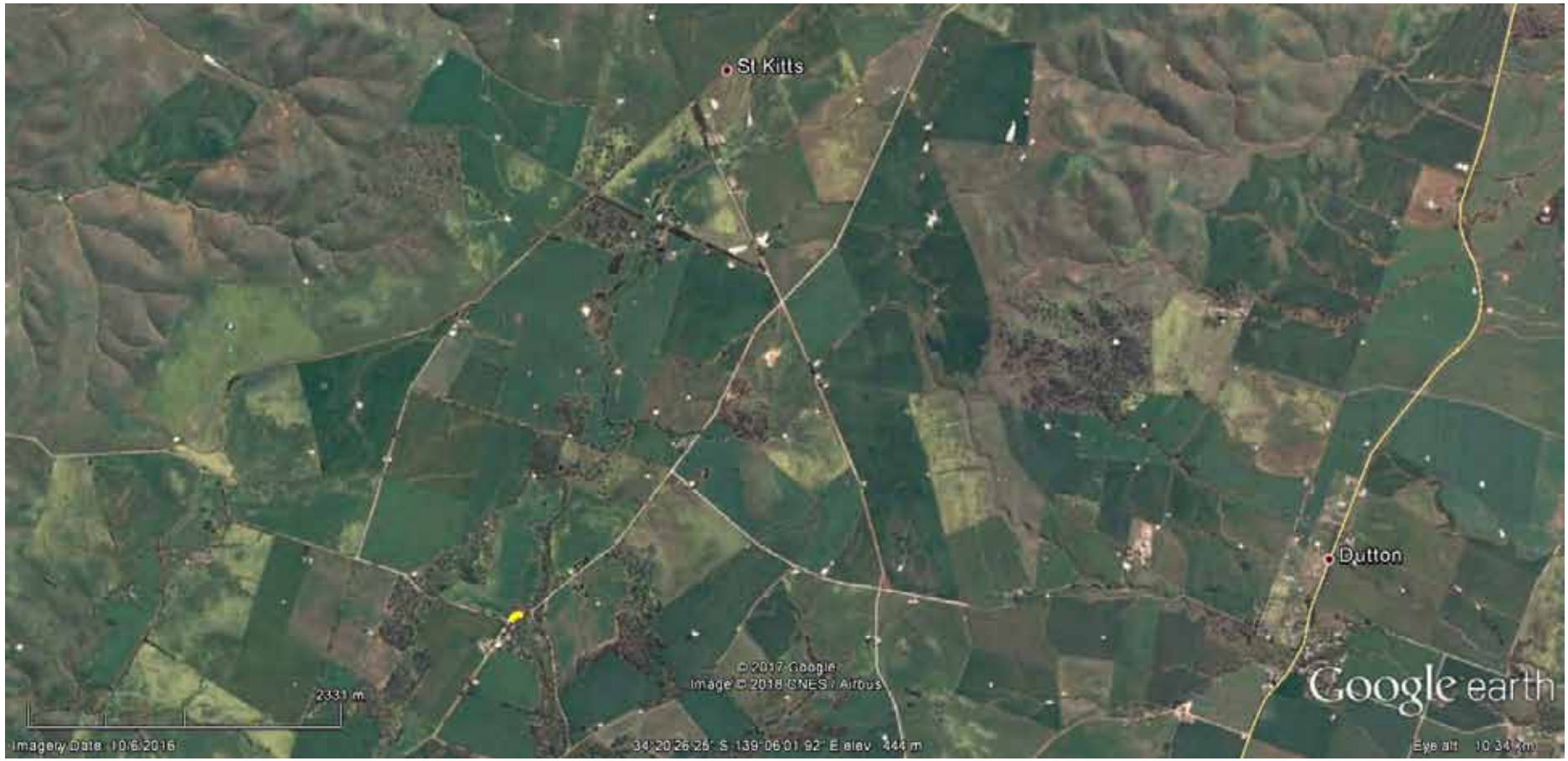
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa blackii	Crested Spear-grass			
Austrostipa eremophila	Rusty Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma erianthum	Hill Wallaby-grass			Near Threatened
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Flagstaff Hill Road, northern side facing east.

Site Location. Flagstaff Hill, north & south sides.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good, but degraded considerably recently.
Road Name: St Kitts West Road	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 323358	**Northing:** 6195273	**Easting:** 54H 323504	**Northing:** 6195498

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, south-west of St Kitts.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* Open Woodland.	3 Regionally Listed Species (1 Vulnerable, 1 Rare, 1 Near Threatened)

Notes / General Observations:

- Vegetation clearance for fenceline.
- Vegetation clearance using herbicide but recovery may be possible.
- The site has degraded considerably recently and is now a very narrow strip of native vegetation.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Vegetation clearance for fenceline. • Off-target damage due to poor use of herbicide.	• Educate landholder.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Calostemma purpureum	Garland Lily			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enneapogon nigricans	Black-head Grass			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma sp.	Wallaby-grass			
Senna artemisioides ssp. *coriacea*	Senna			Rare
Themeda triandra	Kangaroo Grass			
Vittadinia gracilis	Woolly New Holland Daisy			
Vittadinia sp.	New Holland Daisy			

Photo Sheet

St Kitts West Rd. Facing north, western side of rd. Veg cleared for new fence.

St Kitts West Rd. Facing sth, western side of rd. Veg cleared for new fence

St Kitts West Rd. Eastern side of rd, facing south. Sprayed understorey.

St Kitts West Rd. Eastern side of rd, facing north. Sprayed understorey.

Site Location. St Kitts West Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.	
Road Name: Loffler Road, east section, Truro	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 322156	**Northing:** 6190869	**Easting:** 54H 322548	**Northing:** 6190558
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, west of Truro.			
Vegetation Association: *Eucalyptus leucoxylon* ssp. *pruinosa* / *Allocasuarina verticillata* Open Woodland.		**Number of Threatened Species Present:** 3 Regionally Listed Species (1 Vulnerable, 2 Near Threatened)	
Notes / General Observations: • Unmade road reserve; not very diverse.			
Threats to native vegetation identified: • Motor bike riding (minor damage only). • Weeds: Annual grasses. Herbaceous: Scabiosa, Wild Sage, St John's Wort.		**Threat abatement recommendations:** • Assess for herbaceous weed control.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Allocasuarina verticillata	Drooping Sheoak			
Aristida behriana	Brush Wire-grass			
Austrostipa blackii	Crested Spear-grass			
Austrostipa eremophila	Rusty Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Rytidosperma erianthum	Hill Wallaby-grass			Near Threatened
Themeda triandra	Kangaroo Grass			

Photo Sheet

Loffler Road, eastern section.

Site Location. Loffler Road, east section, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Schrapel Road, Ebenezer	**Side of Road:** *(i.e. west)* West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 315732	**Northing:** 6190370	**Easting:** 54H 315593	**Northing:** 6190538

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, west of Truro.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa* / *Allocasuarina verticillata* Open Woodland.	4 Regionally Listed Species (1 Vulnerable, 1 Rare, 2 Near Threatened)

Notes / General Observations:

- Perennial weed grasses pose a threat.
- Good diversity.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road works. • Weeds: Perennial grasses - Veldt. Herbaceous: bridal creeper, soursob, gazania.	• Don't widen the road further. • Undertake weed control.

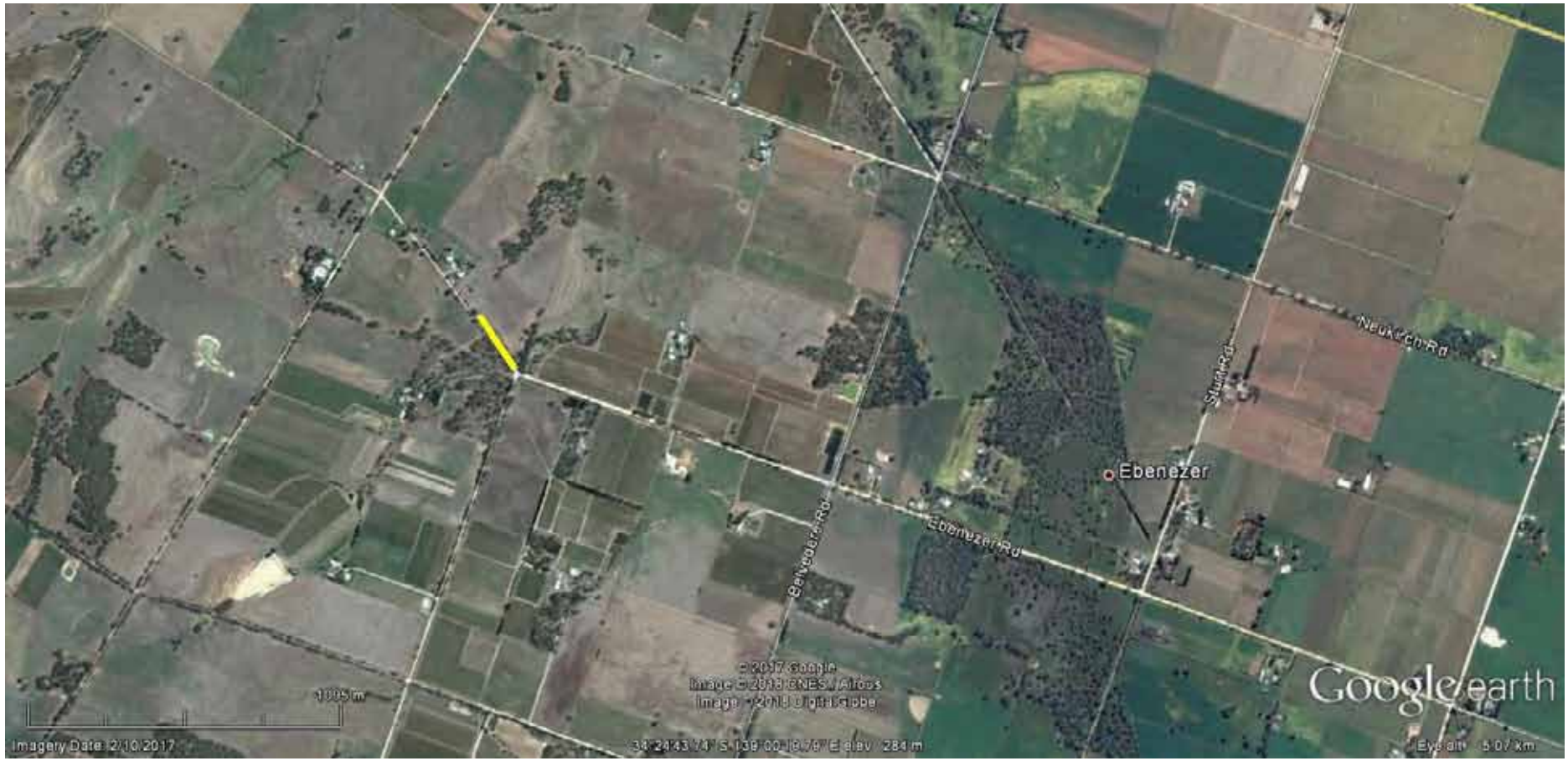
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema preissii	Wire-leaf Mistletoe			Near Threatened
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Caesia calliantha	Blue Grass-lily			
Callitris gracilis	Southern Cypress Pine			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Excocarpus cuppressiformis	Native Cherry			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Pimelea stricta	Erect Riceflower			
Rytidosperma setaceum	Small-flower Wallaby-grass			Near Threatened
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare

Photo Sheet

Schrapel Road.

Site Location. Schrapel Road, western side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Schneider Road, Ebenezer	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 320892	**Northing:** 6190969	**Easting:** 54H 321049	**Northing:** 6191441

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Rolling hills, near south-east boundary of Council areas.

Vegetation Association: *Allocasuarina verticillata & Eucalyptus odorata / Eucalyptus leucoxylon* ssp. *pruinosa* Woodland.	**Number of Threatened Species Present:** 6 Regionally Listed Species (1 Vulnerable, 5 Near Threatened)

Notes / General Observations:

- Sections contain very good native grass cover.

Threats to native vegetation identified: • Weeds: Annual weed grasses. Perennial weed grasses. Herbaceous: Scabiosa.	**Threat abatement recommendations:** • Under weedy grass control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Allocasuarina verticillata	Drooping Sheoak			
Anthosachne scabra	Native Wheat-grass			
Aristida behriana	Brush Wire-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa blackii	Crested Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa nodosa	Tall Spear-grass			
Beyeria lechenaultii	Pale Turpentine Bush			Near Threatened
Bulbine bulbosa	Native Leek			
Calostemma purpureum	Garland Lily			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enneapogon nigricans	Black-head Grass			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra effusa	Scented Mat-rush			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma setaceum	Small-flower Wallaby-grass			Near Threatened
Themeda triandra	Kangaroo Grass			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Schnieder Road, facing north.

Site Location. Schneider Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date:	**Surveyor:**	**Condition of Vegetation:**
10/10/2017	Andrew Allanson	Good.
Road Name:	**Side of Road:** *(i.e. west)*	
Marble Quarry Road, Moppa	East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 314250	**Northing:** 6191515	**Easting:** 54H 313693	**Northing:** 6190588

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Low rolling hills, north of Nuriootpa.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata Woodland.	6 Regionally Listed Species (2 Vulnerable, 4 Near Threatened) 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Good native grass cover.
- Less weeds than many other sites.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Road improvements. • Weeds: Annual weed grasses. Herbaceous: Gazania, Soursob, Wild Sage. Woody: Dog Rose.	• Don't widen/improve road. • Undertake Dog Rose and herbaceous weed control. • Slash annual weed grasses in August.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Amyema preissii	Wire-leaf Mistletoe			Near Threatened
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Atriplex semibaccata	Berry Saltbush			
Austrostipa blackii	Crested Spear-grass			
Austrostipa drummondii	Cottony Spear-grass			Near Threatened
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Calostemma purpureum	Garland Lily			
Clematis microphylla	Old Man's Beard			
Dianella longifolia var. *grandis*	Pale Flax-lily	Rare		Vulnerable
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Einadia nutans	Climbing Saltbush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Rytidosperma erianthum	Hill Wallaby-grass			Near Threatened
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			

Photo Sheet

Marble Quarry Road.

Site Location. Marble Quarry Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 10/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Carrara Hill Road, Moppa	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 314287	**Northing:** 6189645	**Easting:** 54H 314417	**Northing:** 6189572

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Low rolling hills, north of Nuriootpa.

Vegetation Association: *Eucalyptus odorata* Woodland.	**Number of Threatened Species Present:** 4 Regionally Listed Species (2 Rare, 2 Near Threatened)

Notes / General Observations:

- Narrow strips of native vegetation.

Threats to native vegetation identified: • Weeds: Annual weed grasses. Woody: emerging Olives.	**Threat abatement recommendations:** • Slash annual weed grasses in August. • Control olives as a high priority.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Amyema preissii	Wire-leaf Mistletoe			Near Threatened
Anthosachne scabra	Native Wheat-grass			
Austrostipa blackii	Crested Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma sp.	Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare

Photo Sheet

Carrara Road, western end.

Site Location. Carrara Hill Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Heintze Road, Moppa	**Side of Road:** *(i.e. west)* East & West	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 313842	**Northing:** 6188565	**Easting:** 54H 314080	**Northing:** 6188974

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Gently rolling hills, north of Nuriootpa.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata / Callitris gracilis Woodland.	5 Regionally Listed Species (1 Vulnerable, 2 Rare, 2 Near Threatened)

Notes / General Observations:

- Little used track.
- Good species diversity but very weedy.
- 2 orchid species are present.
- Weed control is being undertaken by A. Pearce & crew in the nearby native vegetation tracts of the Golf Course. Weed control along this roadside will compliment these works.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weeds: Perennial weed grasses - Veldt. Herbaceous: bridal creeper, sparaxis/freesia, St John's Wort, Agapanthus, Iris Woody: Tagasaste, Boxthorn.	• Undertake woody weed & bridal creeper control. • Assess for sparaxis/freesia control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia euthycarpa	Wallowa			Rare
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelli	Box Mistletoe			
Arthropodium strictum	Common Vanilla-lily			
Astroloma conostephioides	Flame Heath			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Burchardia umbellata	Milkmaids			
Caesia calliantha	Blue Grass-lily			
Cheilanthes austrotenuifolia	Annual Rock-fern			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Dodonaea viscosa ssp. *spatulata*	Sticky Hop-bush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Exocarpus cuppressiformis	Native Cherry			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Lysiana exocarpi ssp. *exocarpi*	Harlequin Mistletoe			
Microtis sp.	Onion Orchid			
Neurachne alopecuroidea	Fox-tail Mulga-grass			
Pimelea humilis	Low Riceflower			
Rytidosperma caespitosa	Common Wallaby-grass			
Thelymitra sp.	Sun Orchid			
Themeda triandra	Kangaroo Grass			
Tricoryne elatior	Yellow Rush-lily			Near Threatened
Vittadinia gracilis	Woolly New Holland Daisy			Rare

Photo Sheet

Heintze Road, from Golf Course Road.

Site Location. Heintze Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Carrara Hill Road, Ebenezer. (West of Belvedere Road).	**Side of Road:** *(i.e. west)* South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 316479	**Northing:** 6188896	**Easting:** 54H 315725	**Northing:** 6189153

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain to gentle low rolling hill

Vegetation Association: *Callitris gracilis / Eucalyptus leucoxylon* ssp. *pruinosa* Woodland.	**Number of Threatened Species Present:** 7 Regionally Listed Species (2 Vulnerable, 3 Rare, 2 Near Threatened)

Notes / General Observations:

- Degraded in many parts.
- Good diversity.
- *Astroloma conostephioides* is near death.

Threats to native vegetation identified: • Weeds: Annual grass weeds. Woody: Olive.	**Threat abatement recommendations:** • Undertake olive control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acacia retinodes	Wirilda			Rare
Astroloma conostephioides	Flame Heath			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Calostemma purpureum	Garland Lily			
Calytrix tetragona	Common Fringe-myrtle			
Clematis microphylla	Old Man's Beard			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Halgania cyanea	Rough Blue-flower			Rare
Lepidosperma viscidum	Sticky Sword-sedge			
Leptomeria aphylla	Leafless Currant-bush			Vulnerable
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Pimelea glauca	Smooth Riceflower			Near Threatened
Pimelea stricta	Erect Riceflower			
Rytidosperma caespitosa	Common Wallaby-grass			
Santalum acuminatum	Quandong			Rare
Vittadinia sp.	New Holland Daisy			

Photo Sheet

Carrara Hill Road, south side (west side of Belvidere Road).

Site location. Carrara Hill Road, south side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Carrara Hill Road, Ebenezer	**Side of Road:** *(i.e. west)* South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 317311	**Northing:** 6188618	**Easting:** 54H 317075	**Northing:** 6188701

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain – north east of Greenock.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa / Callitris gracilis* Woodland.	4 Regionally Listed Species (3 Vulnerable, 1 Rare)

Notes / General Observations:

- Drain in middle of native vegetation.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Drainage line maintenance. • Weeds: Perennial grass weeds - veldt. Herbaceous: bridal creeper, ixia Woody: Olive.	• Undertake olive control.

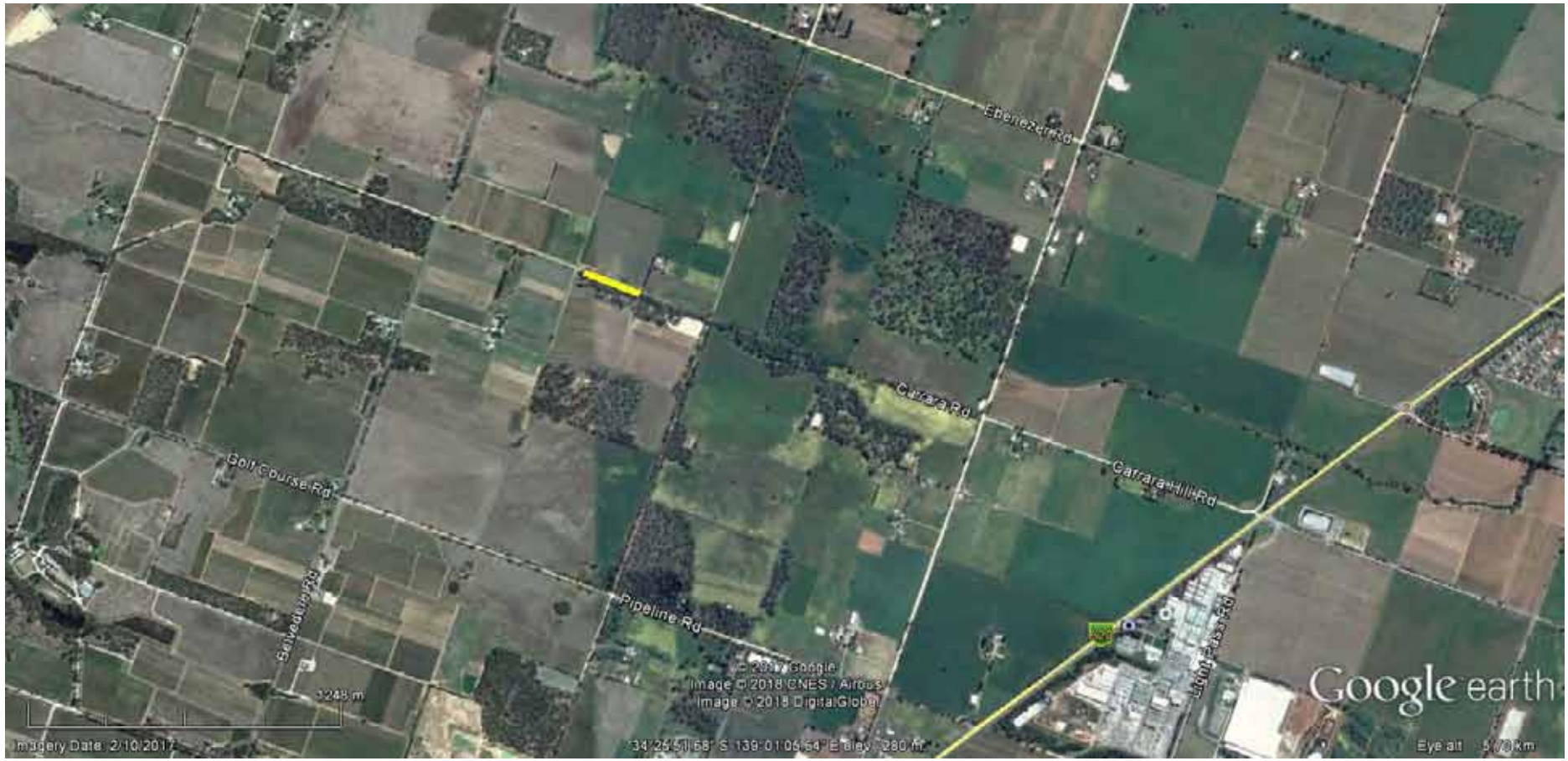
Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Astroloma conostephioides	Flame Heath			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Callitris gracilis	Southern Cypress Pine			
Carex inversa var. *major*	Knob Sedge			Vulnerable
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enneapogon nigricans	Black-head Grass			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Gonocarpus elatus	Hill Raspwort			
Juncus subsecundus	Finger Rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Pimelea stricta	Erect Riceflower			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Setaria jubiflora	Warrego Summer-grass			Rare
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Carrara Hill Road, south side (west of Sturt Rd).

Site Location. Carrara Hill Road, south side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Pipeline Road, Ebenezer	**Side of Road:** *(i.e. west)* North	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 317245	**Northing:** 6187402	**Easting:** 54H 317753	**Northing:** 6187236

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain – heavy soils. North of Nuriootpa.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata Open Grassy Woodland.	3 Regionally Listed Species (1 Vulnerable, 2 Rare)

Notes / General Observations:

- Native grass understorey – good condition and predominately native cover.
- *Chorizandra enodis* present.
- Work along this roadside would compliment works being undertaken in the adjoining Yalumba bushland site (being managed for environmental weeds by A. Pearce).

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weeds: Perennial grass weeds - phalaris. Herbaceous: Scabiosa, gazania. Woody: Olive.	• Undertake olive, gazania & phalaris control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Calocephalus citreus	Lemon Beauty-heads			Rare
Chorizandra enodis	Black Bristle-rush			Rare
Clematis microphylla	Old Man's Beard			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Pimelea humilis	Low Riceflower			
Rytidosperma caespitosa	Common Wallaby-grass			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			

Photo Sheet

Pipeline Road, south side facing east.

Site Location. Pipeline Road, north side.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Sturt Road, Ebenezer	**Side of Road:** *(i.e. west)* west	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 317297	**Northing:** 6187644	**Easting:** 54H 317551	**Northing:** 6188402

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain – possibly floodplain. North of Nuriootpa.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata / *E. largiflorens* Woodland.	8 Regionally Listed Species (1 Endangered, 4 Vulnerable, 2 Rare, 1 Near Threatened)

Notes / General Observations:

- 4wd damage is bad.
- *Eucalyptus largiflorens* (River Box), an endangered species, is present.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• 4wd damage. • Weeds: Woody: Olive & Aloe.	• Undertake olive & aloe control. • Close road / gated road access only?

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Arthropodium strictum	Common Vanilla-lily			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Calocephalus citreus	Lemon Beauty-heads			Rare
Calostemma purpureum	Garland Lily			
Carex inversa var. *major*	Knob Sedge			Vulnerable
Eucalyptus largiflorens	River Box			Endangered
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Grevillea ilicifolia ssp. *ilicifolia*	Holly-leaf Grevillea			Vulnerable
Juncus subsecundus	Finger Rush			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Rytidosperma setaceum	Small-flower Wallaby-grass			
Walwhalleya proluta	Rigid Panic			Vulnerable

Photo Sheet

Sturt Rd, west side.

Site Location. Sturt Road, west side north of Pipeline Road.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Golf Course Road (east of Schultz Rd) Ebenezer	**Side of Road:** *(i.e. west)* south	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 315627	**Northing:** 6187937	**Easting:** 54H 315057	**Northing:** 6188133

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Gentle rolling low hills. North of Nuriootpa.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus odorata Woodland.	6 Regionally Listed Species (1 Endangered, 3 Rare, 2 Near Threatened). 1 NPW Act Listed Species (1 Vulnerable) 1 EPBC Act Listed Species (1 Vulnerable)

Notes / General Observations:

- Annual grasses have impacted greatly on this southern side.
- *Olearia pannosa* ssp. *pannosa* (Silver Daisy) found. GPS location 54H 315109 6188113.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Weeds: Annual weed grasses. Perennial Grasses. Herbaceous: bridal creeper, false caper, Scabiosa.	• Undertake bridal creeper control. • Assess for weed control to enhance & protect *Olearia pannosa*.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus odorata	Peppermint Box			Near Threatened
Halgania cyanea	Rough Blue-flower			Rare
Lepidosperma concavum	Spreading Sword-sedge			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Lysiana exocarpi ssp. *exocarpi*	Harlequin Mistletoe			
Olearia pannosa ssp. *pannosa*	Silver Daisy-bush	Vulnerable	Vulnerable	Endangered
Rytidosperma caespitosa	Common Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare

Photo Sheet

Golf Course Road, south side east of Schultz Rd.

Site Location. Golf Course Road, south side, east of Schultz Road.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.	
Road Name: Golf Course Road (east of Schultz Rd) Ebenezer	**Side of Road:** *(i.e. west)* north		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 315038	**Northing:** 6188148	**Easting:** 54H 315799	**Northing:** 6188001
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Low rolling hills. North of Nuriootpa.			
Vegetation Association: *Eucalyptus odorata* Woodland.		**Number of Threatened Species Present:** 7 Regionally Listed Species (1 Endangered, 4 Rare, 2 Near Threatened). 1 NPW Act Listed Species (1 Vul) 1 EPBC Act Listed Species (1 Vul)	

Notes / General Observations:

- Narrow roadside.
- *Olearia pannosa* ssp. *pannosa* (Silver Daisy) found. GPS location 54H 315233 6188079
- One seedling *Melaleuca lanceolata* (Dryland Tea-tree) present.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Inappropriate weed control. • Weeds: Annual weed grasses. Perennial Grasses – phalaris, veldt, rice millet. Herbaceous: bridal creeper, artichoke thistle, Scabiosa. Woody: peppertree, olive.	• Undertake woody weed, bridal creeper & artichoke thistle control. • Assess for weed control to enhance & protect *Olearia pannosa*.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Calocephalus citreus	Lemon Beauty-heads			Rare
Clematis microphylla	Old Man's Beard			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Halgania cyanea	Rough Blue-flower			Rare
Lepidosperma viscidum	Sticky Sword-sedge			Near Threatened
Lomandra densiflora	Soft Tussock Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Melaleuca lanceolata	Dryland Tea-tree			Rare
Olearia pannosa ssp. *pannosa*	Silver Daisy-bush	Vulnerable	Vulnerable	Endangered
Poa sp.	Tussock Grass			
Rytidosperma caespitosa	Common Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cuneata var. *cuneata*	Fuzzy New Holland Daisy			

Photo Sheet

Golf Course Road, north side facing east. (East of Schultz Rd).

Site Location. Golf Course Road, north side of road, east of Shultz Road.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 04/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Golf Course Road, Ebenezer	**Side of Road:** *(i.e. west)* south	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 313865	**Northing:** 6188538	**Easting:** 54H 314994	**Northing:** 6188158

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Low gently rolling hills. North of Nuriootpa.

Vegetation Association:	**Number of Threatened Species Present:**
Eucalyptus leucoxylon ssp. *pruinosa / Callitris gracilis* Woodland.	10 Regionally Listed Species (2 Vulnerable, 5 Rare, 3 Near Threatened).

Notes / General Observations:

- Good diversity but very weedy in parts.
- Weed control is being undertaken by A. Pearce & crew in the nearby native vegetation tracts of the Golf Course. Weed control along this roadside will compliment these works.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Dust from road. • Weeds: Perennial Grasses. Herbaceous: bridal creeper, soursob. Woody: olive, tagasaste, Aleppo pine.	• Seal road. • Undertake woody weed & bridal creeper control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia euthycarpa	Wallowa			Rare
Acacia pycnantha	Golden Wattle			
Acacia retinodes	Wirilda			Rare
Acaena echinata	Sheep's Burr			
Amyema miquelii	Box Mistletoe			
Arthropodium strictum	Common Vanilla-lily			
Astroloma conostephioides	Flame Heath			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Caesia calliantha	Blue Grass-lily			
Callitris gracilis	Southern Cypress Pine			
Calytrix tetragona	Common Fringe-myrtle			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Dodonaea viscosa ssp. *spatulata*	Sticky Hop-bush			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Halgania cyanea	Rough Blue-flower			Rare
Juncus subsecundus	Finger Rush			
Lepidosperma concavum	Spreading Sword-sedge			Near Threatened
Leptomeria aphylla	Leafless Currant Bush			Vulnerable
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana enchylaenoides	Wingless Fissure-plant			
Pimelea stricta	Erect Riceflower			

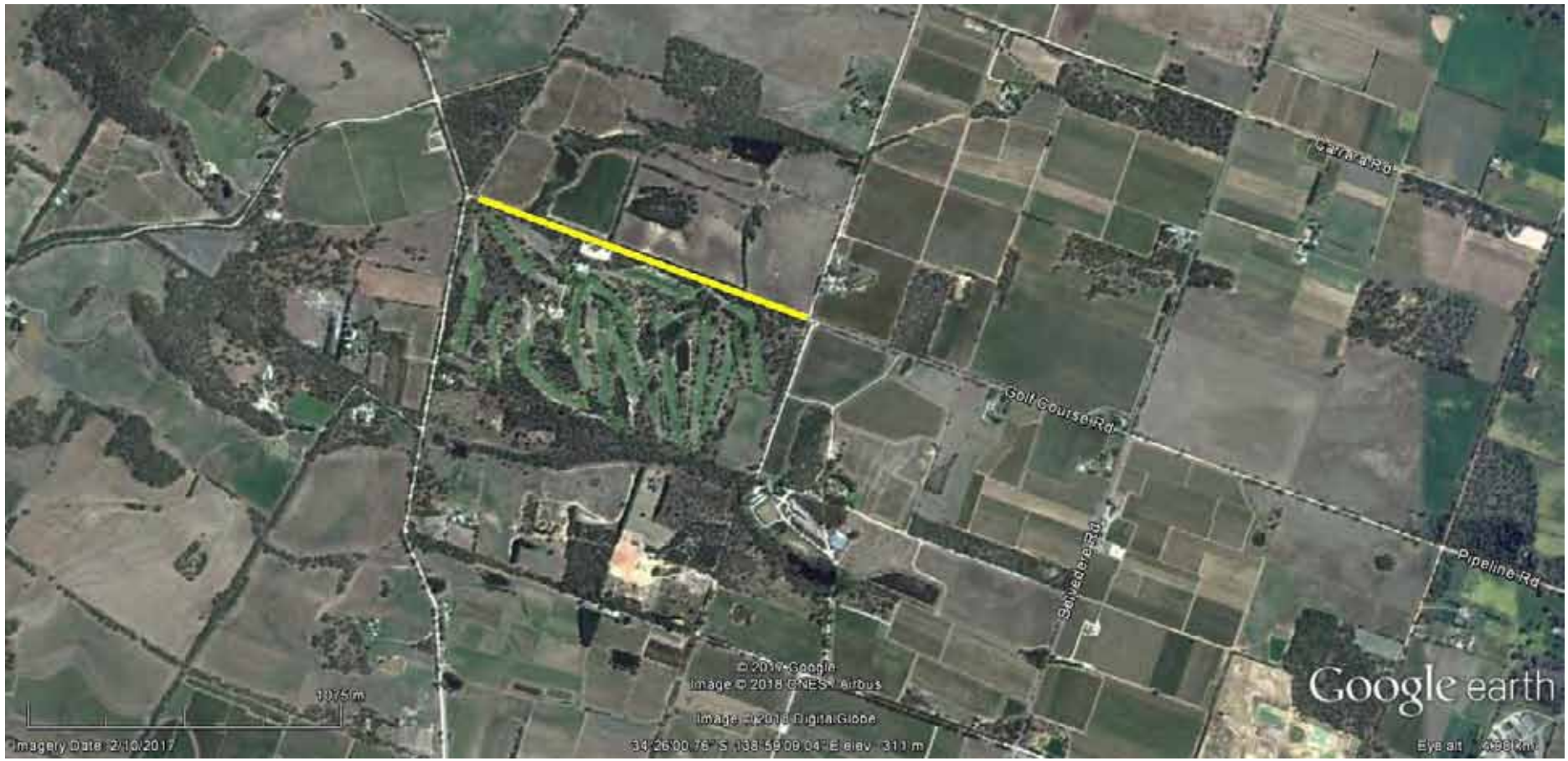
Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Rytidosperma caespitosa	Common Wallaby-grass			
Santalum acuminatum	Quandong			Rare
Thysanotus patersonii	Twining Fringe-lily			
Vittadinia australasica var. *australasica*	Sticky New Holland Daisy			Near Threatened
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare

Photo Sheet

Golf Course Road, south side facing east at Golf Course entrance.

Golf Course Road, south side facing east at Moppa Rd end.

Site Location. Golf Course Road, south side.



LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 03/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.
Road Name: Hammerling/Wildlife Road, Nuriootpa	**Side of Road:** *(i.e. west)* Hammerling Road - East & West Wildlife Road – North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 312839	**Northing:** 6185325	**Easting:** 54H 313674	**Northing:** 6186138

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Low gently rolling hills, east of Greenock.

Vegetation Association: *Eucalyptus odorata* Woodland / *Callitris gracilis* & *E. behriana* Woodland.	**Number of Threatened Species Present:** 10 Regionally Listed Species (2 Vulnerable, 4 Rare, 4 Near Threatened). 1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- Several degraded sections in very poor condition on Hammerling Road. South of property number 48 vegetation deteriorates.
- *Eucalyptus behriana* (Broad-leaf Box) is present.

Threats to native vegetation identified: • Power line maintenance. • Weeds: Perennial Grasses – Rice Millet, Veldt. Herbaceous: gazania, sparaxis/freesia, bridal creeper Woody: olive, boxthorn, tagasaste, Aleppo pine.	**Threat abatement recommendations:** • Undertake woody weed & bridal creeper control.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Astroloma conostephioides	Flame Heath			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Caesia calliantha	Blue Grass-lily			
Callitris gracilis	Southern Cypress Pine			
Calocephalus citreus	Lemon Beauty-heads			Rare
Cassytha melanthe	Coarse Dodder-laurel			Near Threatened
Cheilanthes austrotenuifolia	Annual Rock-fern			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus camaldulensis ssp. *camaldulensis*	River Red Gum			Near Threatened
Eucalyptus odorata	Peppermint Box			Near Threatened
Gonocarpus elatus	Hill Raspwort			
Leptomeria aphylla	Leafless Currant Bush			Vulnerable
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra micrantha	Small-flower Mat-rush			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Oxalis perennans	Native Sorrel			
Ozothamnus retusus	Notched Bush-everlasting			Rare
Pimelea stricta	Erect Riceflower			
Pultenaea largiflorens	Twiggy Pea-bush			
Rytidosperma caespitosa	Common Wallaby-grass			
Santalum acuminatum	Quandong			Rare
Setaria constricta	Knotty-butt Paspalidium			Near Threatened

Photo Sheet

Wildlife Road, facing west.

Hammerling Rd, facing north at driveway #48.

Site Location. Hammerling Road, east & west sides. Wildlife Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 03/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.	
Road Name: Victor Road, Greenock	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 312845	**Northing:** 6185289	**Easting:** 54H 311324	**Northing:** 6185689

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Low gently rolling hills, east of Greenock.

Vegetation Association: *Eucalyptus odorata* Woodland with grassy understorey.	**Number of Threatened Species Present:** 14 Regionally Listed Species (2 Vulnerable, 9 Rare, 3 Near Threatened). 2 NPW Act Listed Species (2 Rare)

Notes / General Observations:

- Degraded in sections interspersed with sections of good native vegetation.
- *Eucalyptus behriana* (Broad-leaf Box) is present. *Austrostipa densiflora* (Fox-tail Spear-grass) is present.

Threats to native vegetation identified: • Road widening. • Off-target spray damage. • Weeds: Perennial Grasses – Rice Millet, Veldt, Phalaris. Herbaceous: gazania and a few Scabiosa, bridal creeper, artichoke. Woody: olive, boxthorn.	**Threat abatement recommendations:** • Undertake olive & boxthorn control. Many olives present. • Control gazania while numbers are low. • Control bridal creeper & artichoke thistle.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Amyema miquelii	Box Mistletoe			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Atriplex stipitata	Bitter Saltbush			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa densiflora	Fox-tail Spear-grass	Rare		Rare
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Calocephalus citreus	Lemon Beauty-heads			Rare
Calostemma purpureum	Garland Lily			
Chenopodium desertorum (prostrate form)	Goosefoot			Rare
Chloris truncata	Windmill Grass			
Clematis microphylla	Old Man's Beard			
Convolvulus angustissimus ssp. *peninsularum*	Grassland Bindweed			Rare
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus behriana	Broad-leaf Box	Rare		Vulnerable
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Hardenbergia violacea	Native Lilac			Near Threatened
Lomandra micrantha	Small-flower Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Ozothamnus retusus	Notched Bush-everlasting			Rare
Rytidosperma caespitosa	Common Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cervicularis var. *cervicularis*	Waisted New Holland Daisy			Rare
Zygophyllum apiculutam	Pointed Twinleaf			

Photo Sheet

Victor Road, eastern end, facing south.

Victor Rd, eastern end, facing west at corner.

Victor Road, western end on the rise.

Site Location. Victor Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 13/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.	
Road Name: Leslie Road, north of Sturt Hwy	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 311280	**Northing:** 6184332	**Easting:** 54H 311355	**Northing:** 6184590
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Rolling hills, east of Greenock.			
Vegetation Association: *Eucalyptus odorata / Allocasuarina verticillata* Woodland.		**Number of Threatened Species Present:** 6 Regionally Listed Species (4 Rare, 2 Near Threatened).	
Notes / General Observations: • In fair condition, dead end road may favour it.			
Threats to native vegetation identified: • Rabbit Warren. • Weeds: • Perennial Grasses – Rice Millet, *Pennisetum villosum*. Herbaceous: gazania. Woody: olive, boxthorn.		**Threat abatement recommendations:** • Control rabbits / destroy warren. • Undertake woody weed control. • Control gazania and weedy grasses.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia pycnantha	Golden Wattle			
Austrostipa curticoma	Short-crest Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Convolvulus angustissimus ssp.	Bindweed			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus odorata	Peppermint Box			Near Threatened
Goodenia pinnatifida	Cut-leaf Goodenia			Near Threatened
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma caespitosa	Common Wallaby-grass			
Vittadinia blackii	Narrow-leaf New Holland Daisy			Rare
Vittadinia cervicularis var. *cervicularis*	Waisted New Holland Daisy			Rare
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Leslie Road, facing north southern end.

Leslie Road, facing south northern end.

Site Location. Leslie Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 03/10/2017	**Surveyor:** Andrew Allanson	**Condition of Vegetation:** Good.	
Road Name: Parbs Road, Greenock	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 311312	**Northing:** 6185674	**Easting:** 54H 311134	**Northing:** 6185139

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Low undulating hill, east of Greenock.

Vegetation Association: South of 79 Parbs Road – *Eucalyptus leucoxylon* ssp. *pruinosa* / *Callitris gracilis* Woodland. North of 79 Parbs Road - *Eucalyptus odorata / Allocasuarina verticillata* Woodland.	**Number of Threatened Species Present:** 3 Regionally Listed Species (1 Vulnerable, 1 Rare, 1 Near Threatened).

Notes / General Observations:

- Southern end more degraded. Western side of road more degraded – any more road widening do western side only.

Threats to native vegetation identified: • Tree trimming. • Weeds: Annual Grasses. Perennial Grasses –Veldt, Phalaris. Herbaceous: Soursob, Gazania, Scabiosa. Woody: Olive, Boxthorn, Ash, Dog Rose.	**Threat abatement recommendations:** • Undertake woody weed control (spring/summer). • Perennial grasses – slash to spray. • Annual grasses – slash early spring. • Herbaceous – broadleaf control in winter.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia paradoxa	Kangaroo Thorn			
Acacia pycnantha	Golden Wattle			
Acaena echinata	Sheep's Burr			
Allocasuarina verticillata	Drooping Sheoak			
Anthosachne scabra	Native Wheat-grass			
Arthropodium strictum	Common Vanilla-lily			
Asperula conferta	Common Woodruff			Rare
Austrostipa blackii	Crested Spear-grass			
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Bulbine bulbosa	Native Leek			
Bursaria spinosa	Christmas Bush			
Caesia calliantha	Blue Grass-lily			
Callitris gracilis	Southern Cypress Pine			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus leucoxylon ssp. *pruinosa*	Inland South Australian Blue Gum			Vulnerable
Eucalyptus odorata	Peppermint Box			Near Threatened
Gonocarpus elatus	Hill Raspwort			
Lepidosperma viscidum	Sticky Sword-sedge			
Lomandra densiflora	Soft Tussock Mat-rush			
Lomandra multiflora ssp. *dura*	Hard Mat-rush			
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Oxalis perennans	Native Sorrel			
Rytidosperma caespitosa	Common Wallaby-grass			
Themeda triandra	Kangaroo Grass			
Vittadinia gracilis	Woolly New Holland Daisy			

Photo Sheet

Parbs Road, southern end.

Parbs Road, northern end.

Site Location. Parbs Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 23/09/2017	**Surveyor:** Amanda Pearce	**Condition of Vegetation:** Good.	
Road Name: Clancy Road, Kangaroo Flat	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 291150	**Northing:** 6173969	**Easting:** 54H 291203	**Northing:** 6174565
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Plain, north of Gawler Belt.			
Vegetation Association: *Eucalyptus socialis / Callitris gracilis / Allocasuarina verticillata* Woodland *over Senna artemisioides* ssp. *petiolaris*		**Number of Threatened Species Present:** 14 Regionally Listed Species (1 Endangered, 3 Vulnerable, 6 Rare, 4 Near Threatened).	

Notes / General Observations:

- Habitat hollows present in Eucalypts.
- Good population of *Grevillea huegelii* (Comb Grevillea) – however olive control is needed to protect this native species.

Threats to native vegetation identified:	**Threat abatement recommendations:**
• Olive & Boxthorn. • Landholder spraying around gates. • Soursob is likely to be suppressing native vegetation regeneration.	• Undertake woody weed control whilst numbers are still reasonably manageable. • Educate landholders.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Allocasuarina verticillata	Drooping Sheoak			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa platychaeta	Flat-awn Spear-grass			Rare
Beyeria lechenaultii	Pale Turpentine Bush			Near Threatened
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Enteropogon acicularis	Umbrella Grass			Rare
Eucalyptus dumosa	White Mallee			Vulnerable
Eucalyptus socialis ssp.	Beaked Red Mallee			Vulnerable
Grevillea huegelii	Comb Grevillea			Rare
Lomandra effusa	Scented Mat-rush			Near Threatened
Maireana brevifolia	Short-leaf Bluebush			
Myoporum platycarpum ssp.	False Sandlewood			Vulnerable
Pimelea serpyllifolia ssp. *serpyllifolia*	Thyme Riceflower			Near Threatened
Pomaderris paniculosa ssp. *paniculosa*	Mallee Pomaderris			Near Threatened
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma sp.	Wallaby-grass			
Senna artemisioides ssp. *petiolaris*	Senna			Rare

Photo Sheet

Clancy Road, Kangaroo Flat.

Clancy Road, Kangaroo Flat.

Clancy Road, Kangaroo Flat. Note sprayed out area near gate.

Site Location. Clancy Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 23/09/2017	**Surveyor:** Amanda Pearce	**Condition of Vegetation:** Good.	
Road Name: Stone Road South, Kangaroo Flat	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 289342	**Northing:** 6173388	**Easting:** 54H 289299	**Northing:** 6172862
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Plain, north of Gawler Belt.			
Vegetation Association: *Eucalyptus porosa / E. socialis* Woodland *over Melaleuca lanceolata* grading to at the southern end *E. largiflorens / Callitris* Woodland over *Rhagodia parabolica.*		**Number of Threatened Species Present:** 16 Regionally Listed Species (2 Endangered, 2 Vulnerable, 8 Rare, 4 Near Threatened).	
Notes / General Observations: • Unmade road reserve.			
Threats to native vegetation identified: • Olive & Boxthorn. • Bridal Creeper is extensive.		**Threat abatement recommendations:** • Undertake woody weed control. • Undertake bridal creeper control in July/August.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Acacia pycnantha	Golden Wattle			
Alyxia buxifolia	Seabox			Rare
Austrostipa nodosa	Tall Spear-grass			
Austrostipa platychaeta	Flat-awn Spear-grass			Rare
Beyeria lechenaultii	Pale Turpentine Bush			Near Threatened
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Cassytha glabella	Slender Dodder-laurel			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus dumosa	White Mallee			Vulnerable
Eucalyptus largiflorens	River Box			Endangered
Eucalyptus porosa	Mallee Box			Near Threatened
Eucalyptus socialis ssp.	Beaked Red Mallee			Vulnerable
Grevillea huegelii	Comb Grevillea			Rare
Lomandra effusa	Scented Mat-rush			Near Threatened
Melaleuca lanceolata	Dryland Tea-tree			Rare
Pittosporum angustifolium	Native Apricot			Near Threatened
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma caespitosum	Common Wallaby-grass			
Rytidosperma sp.	Wallaby-grass			
Santalum acuminatum	Quandong			Rare
Senna artemisioides ssp. *petiolaris*	Senna			Rare

Photo Sheet

Stone Road South, Kangaroo Flat.

Stone Road South, Kangaroo Flat.

Site Location. Stone Road South, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 23/09/2017	**Surveyor:** Amanda Pearce	**Condition of Vegetation:** Good.	
Road Name: Dahlitz Road, Kangaroo Flat	**Side of Road:** *(i.e. west)* East & West		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 289682	**Northing:** 6176962	**Easting:** 54H 289801	**Northing:** 6178203
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Plain, west of Roseworthy.			
Vegetation Association: *Eucalyptus largiflorens / Callitris gracilis* Woodland grading to *E. socialis / E. porosa* Woodland.		**Number of Threatened Species Present:** 14 Regionally Listed Species (2 Endangered, 1 Vulnerable, 8 Rare, 3 Near Threatened).	
Notes / General Observations: • Good stands of *Santalum acuminatum* (Quandong).			
Threats to native vegetation identified: • Olive & Boxthorn. • Pepper-trees present in the *Eucalyptus largiflorens* association. • Bridal Creeper. • Dense soursob is likely to be inhibiting native species.		**Threat abatement recommendations:** • Undertake woody weed control. • Undertake bridal creeper control in July/August.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia acinacea	Wreath Wattle			Rare
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Alyxia buxifolia	Seabox			Rare
Austrostipa nodosa	Tall Spear-grass			
Austrostipa platychaeta	Flat-awn Spear-grass			Rare
Beyeria lechenaultii	Pale Turpentine Bush			Near Threatened
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Eucalyptus largiflorens	River Box			Endangered
Eucalyptus porosa	Mallee Box			Near Threatened
Eucalyptus socialis ssp.	Beaked Red Mallee			Vulnerable
Maireana brevifolia	Short-leaf Bluebush			
Melaleuca lanceolata	Dryland Tea-tree			Rare
Pittosporum angustifolium	Native Apricot			Near Threatened
Rhagodia parabolica	Mealy Saltbush			Rare
Santalum acuminatum	Quandong			Rare
Senna artemisioides ssp. *coriacea*	Senna			Rare

Photo Sheet

Dahlitz Road, Kangaroo Flat.

Dahlitz Road, Kangaroo Flat. Note Pepper-tree.

Site Location. Dahlitz Road, east & west sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 23/09/2017	**Surveyor:** Amanda Pearce	**Condition of Vegetation:** Good.	
Road Name: Perry Road, Roseworthy	**Side of Road:** *(i.e. west)* North & South		
Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 289822	**Northing:** 6178214	**Easting:** 54H 290320	**Northing:** 6178163
Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)* Plain, north-west of Roseworthy.			
Vegetation Association: *Callitris gracilis / Eucalyptus socialis / E. porosa / E. dumosa* Woodland.		**Number of Threatened Species Present:** 14 Regionally Listed Species (1 Endangered, 2 Vulnerable, 7 Rare, 4 Near Threatened).	
Notes / General Observations: • Sections are fire affected and degraded.			
Threats to native vegetation identified: • Boxthorn. • Bridal Creeper. • Brassica's & Wild Oats post fire.		**Threat abatement recommendations:** • Undertake boxthorn control. • Undertake bridal creeper control in July/August.	

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Alyxia buxifolia	Seabox			Rare
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa platychaeta	Flat-awn Spear-grass			Rare
Beyeria lechenaultii	Pale Turpentine Bush			Near Threatened
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Cassytha glabella	Slender Dodder-laurel			
Clematis microphylla	Old Man's Beard			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Eucalyptus dumosa	White Mallee			Vulnerable
Eucalyptus porosa	Mallee Box			Near Threatened
Eucalyptus socialis ssp.	Beaked Red Mallee			Vulnerable
Maireana brevifolia	Short-leaf Bluebush			
Melaleuca lanceolata	Dryland Tea-tree			Rare
Pimelea serpyllifolia ssp. *serpyllifolia*	Thyme Riceflower			Near Threatened
Pittosporum angustifolium	Native Apricot			Near Threatened
Rhagodia parabolica	Mealy Saltbush			Rare
Santalum acuminatum	Quandong			Rare
Senna artemisioides ssp. *petiolaris*	Senna			Rare

Photo Sheet

Perry Road, Roseworthy.

Perry Road, Roseworthy. Fire affected section.

Site Location. Perry Road, north & south sides.

LIGHT REGIONAL COUNCIL – SURVEY & ASSESSMENT OF HIGH BIODIVERSITY ROADSIDE SITES

Date: 23/09/2017	**Surveyor:** Amanda Pearce	**Condition of Vegetation:** Good.
Road Name: Kangaroo Flat Road, Kangaroo Flat	**Side of Road:** *(i.e. west)* North & South	

Start Point GPS Co-ordinates		**End Point GPS Co-ordinates**	
Easting: 54H 291122	**Northing:** 6173847	**Easting:** 54H 289497	**Northing:** 6174009

Landform Division: *(i.e. riverine, dune system, plains, low rolling hills north of Kapunda, hills north east of Kapunda)*

Plain and flood plain, north of Gawler Belt.

Vegetation Association:

Callitris gracilis / Eucalyptus odorata with occasional *E. fasciculosa* over *Senna artemisioides* ssp. *coriacea* Woodland grading into *E. largiflorens* over *Senna artemisioides* ssp. *coriacea, Rhagodia parabolica* & *Duma florulenta.*

Number of Threatened Species Present:

16 Regionally Listed Species (1 Endangered, 4 Vulnerable, 7 Rare, 4 Near Threatened).

1 NPW Act Listed Species (1 Rare)

Notes / General Observations:

- *Duma florulenta* (Lignum) present.
- Planted Eucalypts at the far western end amongst some remnant species.
- Important habitat hollows are present in old Eucalypts.

Threats to native vegetation identified:

- Boxthorn, several. Olive, not many, mainly around *E. largiflorens.*
- Occasional artichoke thistle.
- Broad spraying around landholder's gates and into roadside veg.
- Soursob is widespread and likely to be inhibited native species.

Threat abatement recommendations:

- Undertake boxthorn & olive control whilst still manageable.
- Undertake artichoke thistle control.
- Educate landholders.

Native Flora Species List

Botanical Name	Common Name	Conservation Rating		
		NPW Act	EPBC Act	Regional
Acacia ligulata	Umbrella Bush			Rare
Acacia notabilis	Notable Wattle			Endangered
Austrostipa elegantissima	Feather Spear-grass			
Austrostipa nodosa	Tall Spear-grass			
Austrostipa sp.	Spear-grass			
Bursaria spinosa	Christmas Bush			
Callitris gracilis	Southern Cypress Pine			
Dianella revoluta var. *revoluta*	Black-anther Flax-lily			
Duma florulenta	Lignum			Vulnerable
Enchylaena tomentosa var. *tomentosa*	Ruby Saltbush			
Enneapogon nigricans	Black-head Grass			
Enteropogon acicularis	Umbrella Grass			Rare
Eremophila deserti	Turkey-bush			Vulnerable
Eucalyptus fasciculosa	Pink Gum	Rare		Near Threatened
Eucalyptus odorata	Peppermint Box			Near Threatened
Eucalyptus socialis ssp. *socialis*	Beaked Red Mallee			Vulnerable
Grevillea huegelii	Comb Grevillea			Rare
Lomandra effusa	Scented Mat-rush			Near Threatened
Maireana brevifolia	Short-leaf Bluebush			
Maireana enchylaenoides	Wingless Fissure-plant			
Melaleuca acuminata ssp. *acuminata*	Mallee Honey-Myrtle			Rare
Myoporum montanum	Native Myrtle			Vulnerable
Pittosporum angustifolium	Native Apricot			Near Threatened
Rhagodia parabolica	Mealy Saltbush			Rare
Rytidosperma sp.	Wallaby-grass			
Salsola kali	Buckbush			
Senna artemisioides ssp. *coriacea*	Senna			Rare
Senna artemisioides ssp. *petiolaris*	Senna			Rare

Photo Sheet

Kangaroo Flat Road, Kangaroo Flat.

Kangaroo Flat Road, Kangaroo Flat. Example of one sprayed out area.

Site Location. Kangaroo Flat Road, north & south sides.