

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	GG1 Site 2
<b>Size of Block (Ha)</b>	0.21
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnets
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	16	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.04	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	21	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	10.00	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0.02	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.14</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Bertya rotundifolia</i>	Round-leaf Bertya			
<i>Glischrocaryon behrii</i>	Golden Pennants			
<i>Thryptomene ericaea</i>	Heath Thryptomene			
<i>Grevillea halmaturina ssp. halmaturina</i>	Prickly Grevillea		R	
<i>Pultenaea penna</i>	Feather Bush-pea			
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Grevillea ilicifolia ssp. ilicifolia</i>	Holly-leaf Grevillea			
<i>Acacia spinescens</i>	Spiny Wattle			
<i>Melaleuca uncinata</i>	Broombush			
<i>Eucalyptus albopurpurea</i>	Purple-flowered Mallee Box			
<i>Lepidosperma canescens</i>	Hoary Rapier-sedge			
<i>Schoenus sp.</i>	Bog-rush			
<i>Lasiopetalum baueri</i>	Slender Velvet-bush			
<i>Xanthorrhoea semiplana ssp. tateana</i>	Tate's Grass-tree		R	
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Prostanthera chlorantha</i>	Green Mintbush		R	
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Daviesia asperula ssp. asperula</i>	Kangaroo Island Bitter-pea			
<i>Petrophile multisecta</i>	Kangaroo Island Conesticks			
<i>Austrostipa sp.</i>	Spear-grass			
<i>Muehlenbeckia adpressa</i>	Climbing Lignum			
<i>Rytidosperma sp.</i>	Wallaby-grass			
<i>Micrantheum demissum</i>	Dwarf Micrantheum			
<i>Isopogon ceratophyllus</i>	Horny Cone-bush			
<i>Leptospermum myrsinoides</i>	Heath Tea-tree			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Adenanthos terminalis</i>	Yellow Gland-flower			
<i>Adenanthos macropodius</i>	Kangaroo Island Gland-flower			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Calytrix glaberrima</i>	Smooth Heath-myrtle			
<i>Hibbertia virgata</i>	Twiggy Guinea-flower			
<i>Styphelia exarrhena</i>	Desert Heath			
<i>Stenanthera conostephioides</i>	Flame Heath			
<i>Hibbertia devitata</i>	Smooth Guinea-flower			
<i>Acacia cupularis</i>	Cup Wattle			
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Dillwynia sericea</i>	Showy Parrot-pea			
<i>Microtis arenaria</i>	Notched Onion-orchid			
<i>Drosera sp.</i>	Sundew			
<i>Leucopogon rufus</i>	Ruddy Beard-heath			
<i>Medicago sp.</i>	Medic			*
<i>Ehrharta calycina</i>	Perennial Veldt Grass			*
<i>Hypochaeris radicata</i>	Rough Cat's Ear			*
<i>Vulpia sp.</i>	Fescue			*
<i>Avena barbata</i>	Bearded Oat			*
<i>Freesia cultivar</i>	Freesia			*
<i>Sporobolus africanus</i>	Rat-tail Grass			*
<i>Romulea rosea var. australis</i>	Common Onion-grass			*
<i>Aira sp.</i>	Hair-grass			*
<i>Arctotheca calendula</i>	Cape Weed			*



# Vegetation Condition Scores

<b>SITE:</b>	GG1 Site 2 (new seg 80)
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	3501 Allocasuarina muelleriana Shrubland
<b>SIZE OF SITE (Ha)</b>	0.21

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input type="checkbox"/>
Cover rating for all declared weeds (max of 6)	
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	3
<b>Weed Score (max score of 15)</b>	<b>12</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>0</b>
<b>Fallen timber/debris (max 5)</b>	<b>0.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>0</b>

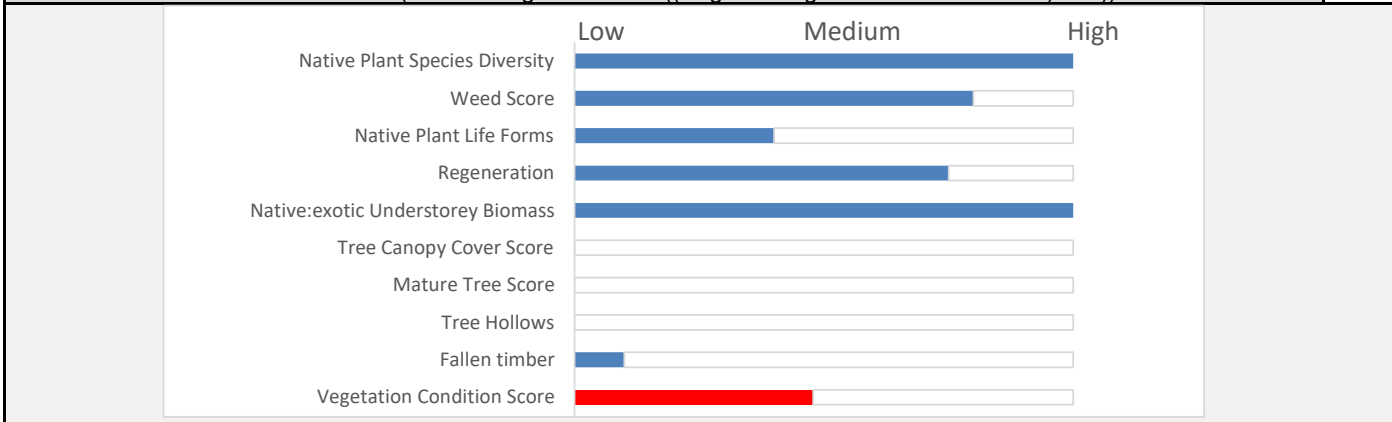
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input checked="" type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>9</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input checked="" type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>8</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	47.50
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	15.50
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>38.30</b>





# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	<b>1</b>

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	3
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>3</b>
<b>Threatened Flora Score</b>	<b>0.08</b>

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	4
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	1
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	2
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>54</b>
<b>Threatened Fauna Score</b>	<b>0.1</b>

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.18</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
	<b>Score</b>	<b>UNIT BIODIVERSITY SCORE</b>	51.52
LANDSCAPE CONTEXT SCORE	1.14	<b>Total Biodiversity Score</b>	10.82
VEGETATION CONDITION SCORE	38.30	<b>(Biodiversity Score x hectares)</b>	
CONSERVATION SIGNIFICANCE SCORE	1.18		

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>North</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	727839
	Northing (7 digits)	6045550
	<b>Description</b>	Photo 2703

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		1.42
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>11.36</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$8,630.30</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$474.67</b>

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	GG1 Site 2 1107
<b>Size of Block (Ha)</b>	0.01899
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnet
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	25	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.04	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	287.7	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	1515.01	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	Yes
		Swamp/wetland present (Yes/No) = 0.03 pts	Yes
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0.03
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.15</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Melaleuca uncinata</i>	Broombush			
<i>Lomandra micrantha ssp. micrantha</i>	Small-flower Mat-rush			
<i>Rytidosperma sp.</i>	Wallaby-grass			
<i>Rhagodia candolleana ssp. candolleana</i>	Sea-berry Saltbush			
<i>Enchylaena tomentosa var. tomentosa</i>	Ruby Saltbush			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Lepidosperma canescens</i>	Hoary Rapier-sedge			
<i>Stenanthera conostephioides</i>	Flame Heath			
<i>Thryptomene ericaea</i>	Heath Thryptomene			
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Allocasuarina verticillata</i>	Drooping Sheoak			
<i>Acacia euthycarpa</i>	Wallowa			
<i>Lasiopetalum behrii</i>	Pink Velvet-bush			
<i>Dianella revoluta var. revoluta</i>	Black-anther Flax-lily			
<i>Acacia pycnantha</i>	Golden Wattle			
<i>Austrostipa sp.</i>	Spear-grass			
<i>Gahnia trifida</i>	Cutting Grass			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Eucalyptus rugosa</i>	Coastal White Mallee			
<i>Cassytha glabella f. dispar</i>	Slender Dodder-laurel			
<i>Salicornia quinqueflora ssp. quinqueflora</i>	Beaded Samphire			
<i>Thomasia petalocalyx</i>	Paper-flower			
<i>Bertya rotundifolia</i>	Round-leaf Bertya			
<i>Dodonaea viscosa ssp. angustissima</i>	Narrow-leaf Hop-bush			
<i>Callistemon rugulosus</i>	Scarlet Bottlebrush			
<i>Muehlenbeckia adpressa</i>	Climbing Lignum			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Eucalyptus cosmophylla</i>	Cup Gum			
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Acacia paradoxa</i>	Kangaroo Thorn			
<i>Asparagus asparagoides f. asparagoides</i>	Bridal Creeper			*
<i>Lolium sp.</i>	Ryegrass			*
<i>Bromus diandrus</i>	Great Brome			*
<i>Laqurus ovatus</i>	Hare's Tail Grass			*
<i>Avena barbata</i>	Bearded Oat			*
<i>Ehrharta calycina</i>	Perennial Veldt Grass			*
<i>Acacia longifolia ssp. longifolia</i>	Sallow Wattle			*
<i>Dactylis glomerata</i>	Cocksfoot			*
<i>Catapodium rigidum</i>	Rigid Fescue			*
<i>Hordeum vulgare</i>	Barley			*
<i>Erodium moschatum</i>	Musky Herons-bill			*
<i>Parapholis incurva</i>	Curly Ryegrass			*





# Vegetation Condition Scores

<b>SITE:</b>	GG1 Site 2 (new Seg ID 71,72,73a,73b)
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 1107 KI Narrow-leaved Mallee over woodland and wetland shrubs
<b>SIZE OF SITE (Ha)</b>	0.01899

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>4</b>

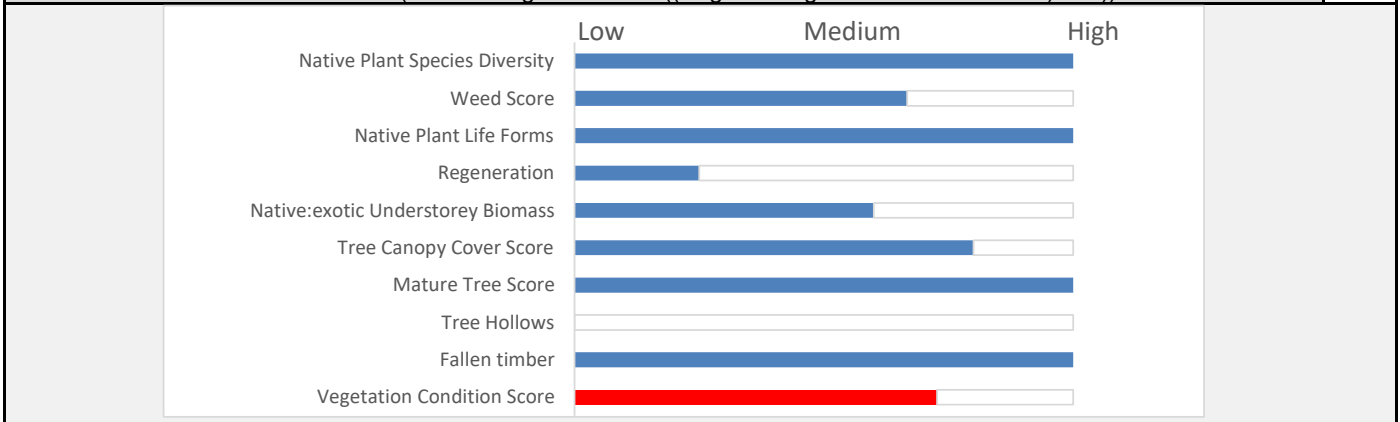
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input checked="" type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>20</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>3</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	66.00
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	9.50
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>58.16</b>





# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input checked="" type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input checked="" type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1.4

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	0
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>0</b>
<b>Threatened Flora Score</b>	0

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	9
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	3
State <b>Endangered</b> species observed or locally recorded (5 pt each)	1
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	2
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>61.5</b>
<b>Threatened Fauna Score</b>	<b>0.1</b>

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.5</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.15	<b>UNIT BIODIVERSITY SCORE</b>	<b>100.33</b>
VEGETATION CONDITION SCORE	58.16	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.50	<b>(Biodiversity Score x hectares)</b>	1.91

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>East</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53H
	Easting (6 digits)	731011
	Northing (7 digits)	6043847
	<b>Description</b>	
Photo P2708		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.25
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>2.00</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$1,519.90</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$83.59</b>

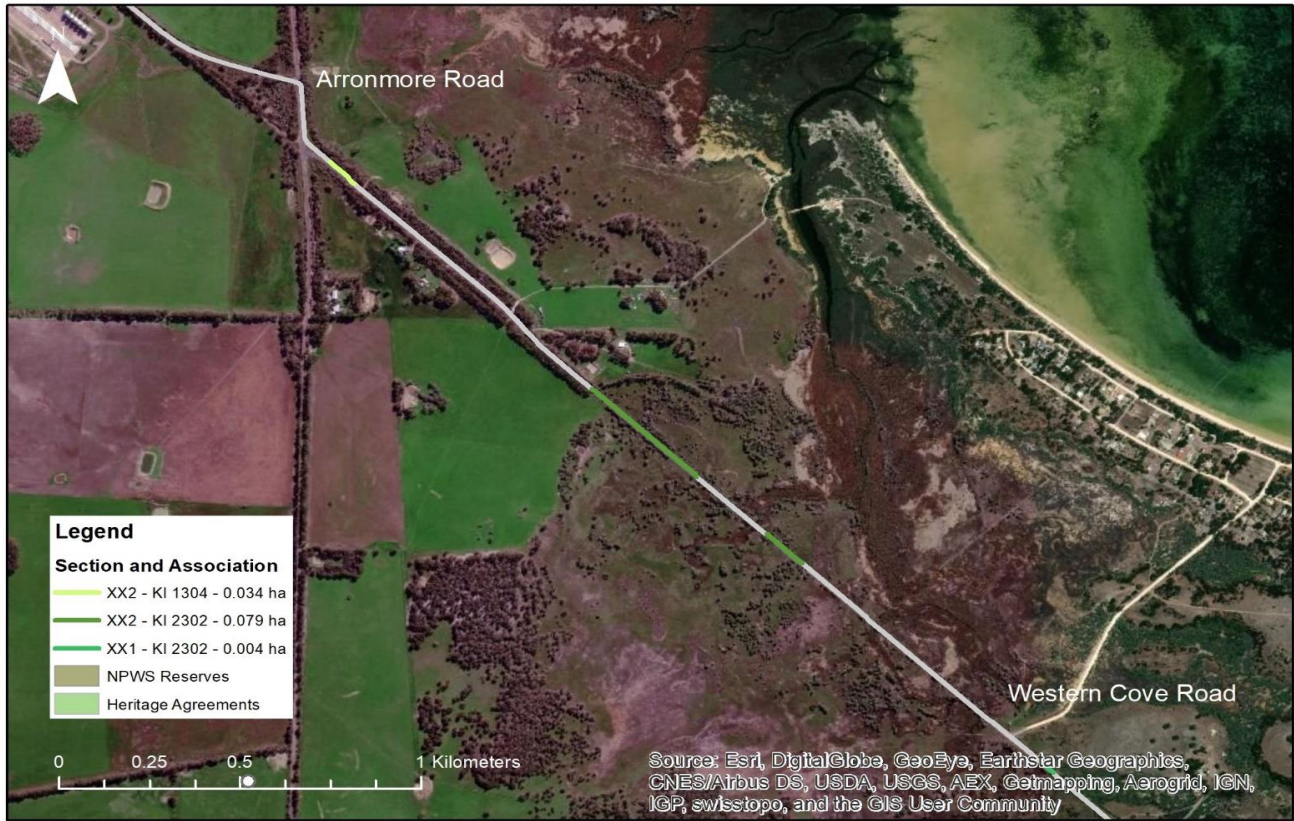
# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	XX2 Site 2 67a 1304
<b>Size of Block (Ha)</b>	0.0339
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnet
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling and Michelle Haby
<b>DATE OF ASSESSMENT</b>	25/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	29	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	96.734	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	285.35	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	Yes
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0.03
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	1.17







# Vegetation Condition Scores

<b>SITE:</b>	XX2 Site 1 67a degraded 2302/1103
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	1304 - Melaleuca halmaturorum shrubland with emergent Eucalyptus
<b>SIZE OF SITE (Ha)</b>	0.0339

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input checked="" type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>21</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input type="checkbox"/>
Cover rating for all declared weeds (max of 6)	
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>13</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>6</b>
<b>Fallen timber/debris (max 5)</b>	<b>2.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

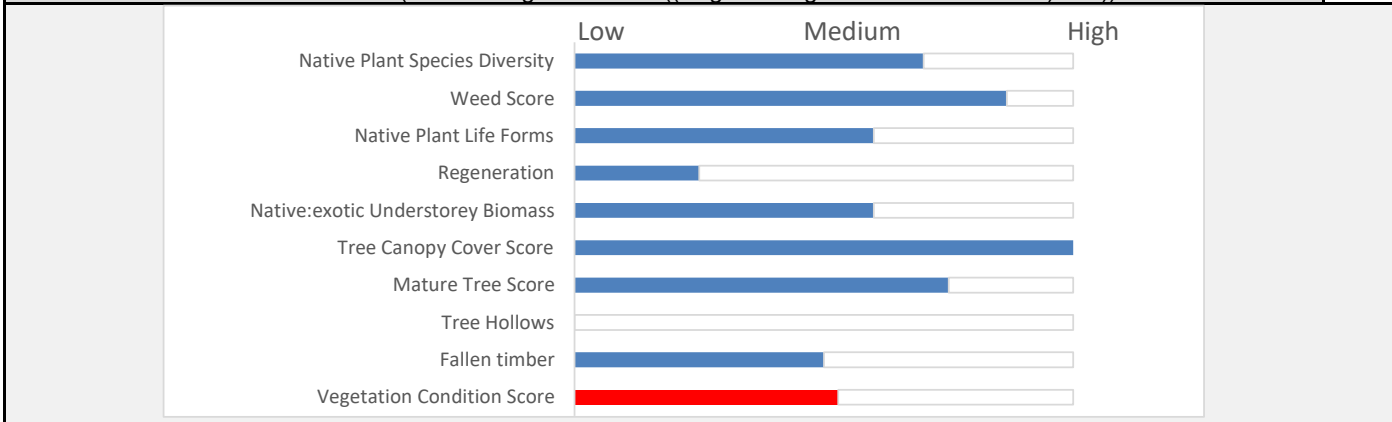
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>3</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	44.50
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	4.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>42.28</b>





# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	0
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>0</b>
<b>Threatened Flora Score</b>	0

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	9
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	3
State <b>Endangered</b> species observed or locally recorded (5 pt each)	1
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	4
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>111.5</b>
<b>Threatened Fauna Score</b>	<b>0.1</b>

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.1</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.17	<b>UNIT BIODIVERSITY SCORE</b>	54.41
VEGETATION CONDITION SCORE	42.28	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.10	<b>(Biodiversity Score x hectares)</b>	1.84

Photo Point and Vegetation Survey Location	Direction of the Photo	
		
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	731685
	Northing (7 digits)	6043222
	<b>Description</b>	
P2618		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.24
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>1.94</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$1,471.36</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$80.92</b>

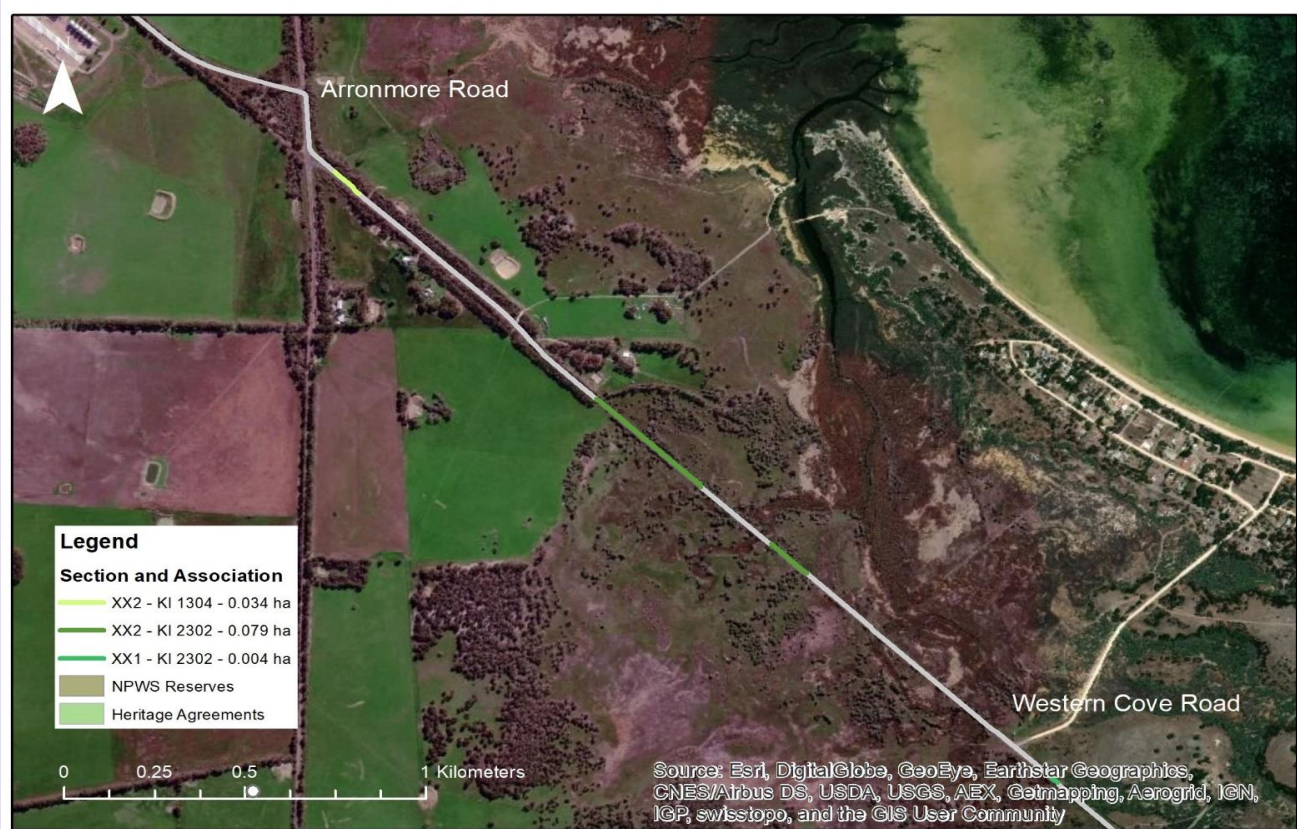
# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	XX2 Site 3 (63, 65a,65b)
<b>Size of Block (Ha)</b>	0.079
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnet
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	30	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km <sup>2</sup> )		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	526.7	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	666.71	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	Yes
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0.03
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.17</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Rhagodia candolleana ssp. candolleana</i>	Sea-berry Saltbush			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Enchylaena tomentosa var. tomentosa</i>	Ruby Saltbush			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Dianella revoluta var. revoluta</i>	Black-anther Flax-lily			
<i>Threlkeldia diffusa</i>	Coast Bonefruit			
<i>Salicornia quinqueflora ssp. quinqueflora</i>	Beaded Samphire			
<i>Melaleuca halmaturorum</i>	Swamp Paper-bark			
<i>Poa sp.</i>	Meadow-grass/Tussock-grass			
<i>Myoporum insulare</i>	Common Boobiolla			
<i>Disphyma crassifolium ssp. clavellatum</i>	Round-leaf Pigface			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Acrotriche depressa</i>	Native Currant			
<i>Senecio sp.</i>	Groundsel			
<i>Pimelea serpyllifolia ssp. serpyllifolia</i>	Thyme Riceflower			
<i>Cotula vulgaris var. australasica</i>	Slender Cotula			
<i>Spergularia marina</i>	Salt Sand-spurrey			
<i>Bertya rotundifolia</i>	Round-leaf Bertya			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Suaeda australis</i>	Austral Seablite			
<i>Tecticornia sp.</i>	Samphire			
<i>Lasiopetalum baueri</i>	Slender Velvet-bush			
<i>Comesperma volubile</i>	Love Creeper			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Dodonaea baueri</i>	Crinkled Hop-bush			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Melaleuca uncinata</i>	Broombush			
<i>Acacia pycnantha</i>	Golden Wattle			
<i>Samolus repens</i>	Creeping Brookweed			
<i>Bulbine semibarbata</i>	Small Leek-lily			
<i>Sporobolus virginicus</i>	Salt Couch			
<i>Frankenia pauciflora var.</i>	Southern Sea-heath			
<i>Juncus bufonius</i>	Toad Rush			
<i>Thryptomene ericaea</i>	Heath Thryptomene			
<i>Maireana oppositifolia</i>	Salt Bluebush			
<i>Asparagus asparagoides f. asparagoides</i>	Bridal Creeper			*
<i>Laqurus ovatus</i>	Hare's Tail Grass			*
<i>Avena barbata</i>	Bearded Oat			*
<i>Asparagus declinatus</i>				*
<i>Bromus hordeaceus ssp. hordeaceus</i>	Soft Brome			*
<i>Medicago sp.</i>	Medic			*
<i>Lolium sp.</i>	Ryegrass			*
<i>Sonchus oleraceus</i>	Common Sow-thistle			*
<i>Thinopyrum elongatum</i>	Tall Wheat-grass			*
<i>Freesia cultivar</i>	Freesia			*
<i>Aira sp.</i>	Hair-grass			*
<i>Briza minor</i>	Lesser Quaking-grass			*
<i>Anagallis sp.</i>				*
<i>Phalaris sp.</i>	Canary Grass			*
<i>Cenchrus clandestinus</i>	Kikuyu			*
<i>Trifolium arvense var. arvense</i>	Hare's-foot Clover			*







# Vegetation Condition Scores

<b>SITE:</b>	XX2 Site 3 63b, 65a, 65b, not continuous but all the same
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	2302 Melaleuca shrubland
<b>SIZE OF SITE (Ha)</b>	0.079

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	3
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	3
<b>Weed Score (max score of 15)</b>	<b>7.5</b>
<b>Is the community naturally treeless?</b>	
<i>Tree attributes not scored for treeless community</i>	<input checked="" type="checkbox"/>
	<b>8</b>
	<b>5</b>

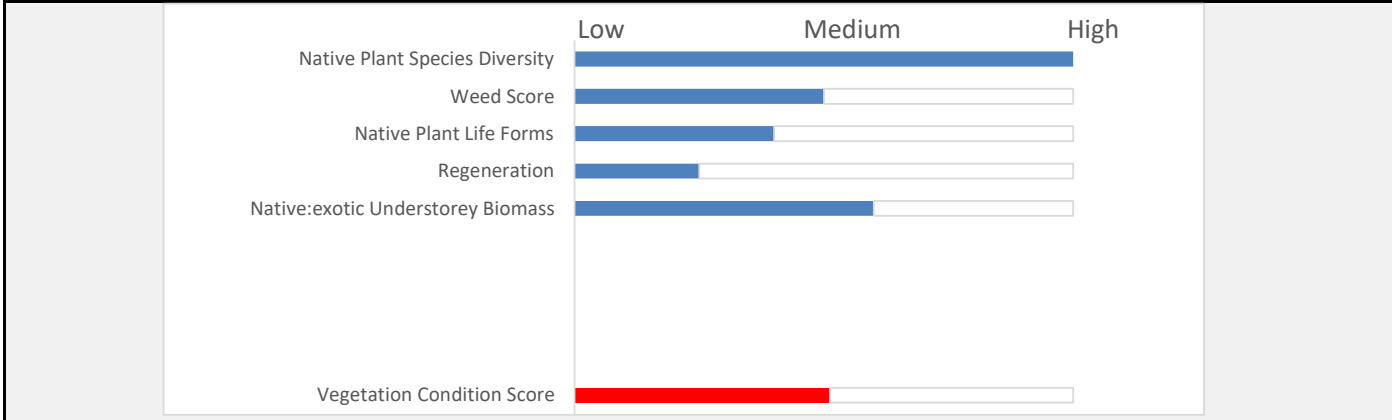
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input checked="" type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>8</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>3</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	50.84
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - (Biomass score x 2))exp2/2)	15.50
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>40.99</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input checked="" type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1.35

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	0
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>0</b>
<b>Threatened Flora Score</b>	<b>0</b>

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	15
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	3
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	2
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>72.5</b>
<b>Threatened Fauna Score</b>	<b>0.1</b>

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.45</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.17	<b>UNIT BIODIVERSITY SCORE</b>	<b>69.54</b>
VEGETATION CONDITION SCORE	40.99	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.45	<b>(Biodiversity Score x hectares)</b>	5.49

Photo Point and Vegetation Survey Location	Direction of the Photo	
	North	
	GPS Reference	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	733251
	Northing (7 digits)	6041318
	Description	
P2711		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0	Economies of Scale factor	0.72
Loadings for clearance of protected areas		Mean Annual rainfall for the site (mm)	576
Reductions for rehabilitation of impact site		Payment into the fund (GST Exclusive)	\$4,382.41
<b>SEB Points required</b>	<b>5.77</b>	Administration fee (GST Inclusive)	\$241.03

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	XX1 Site 1 (60a)
<b>Size of Block (Ha)</b>	0.004
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnets
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	29	<b>% native veg. remaining in IBRA Assoc.</b>	27	
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52	
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b>	0.05
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		Score received for both IBRA assoc. and subregion and summed		
<b>Cleared Perimeter (m) =</b>	133.3	<b>% native veg. protected IBRA Assoc.</b>	2	
<b>Cleared Perimeter to area ratio</b>	3332.50	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b>	0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>		
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No	
		Swamp/wetland present (Yes/No) = 0.03 pts	Yes	
		(Swamp/wetland may be +/- riparian zone)		
		<b>Score</b>	0.03	
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.17</b>	









# Vegetation Condition Scores

<b>SITE:</b>	XX1 Site 1, 60a
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 2302 Melaleuca halmaturorum / M. brevifolia over samphire
<b>SIZE OF SITE (Ha)</b>	0.004

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input checked="" type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>24</b>

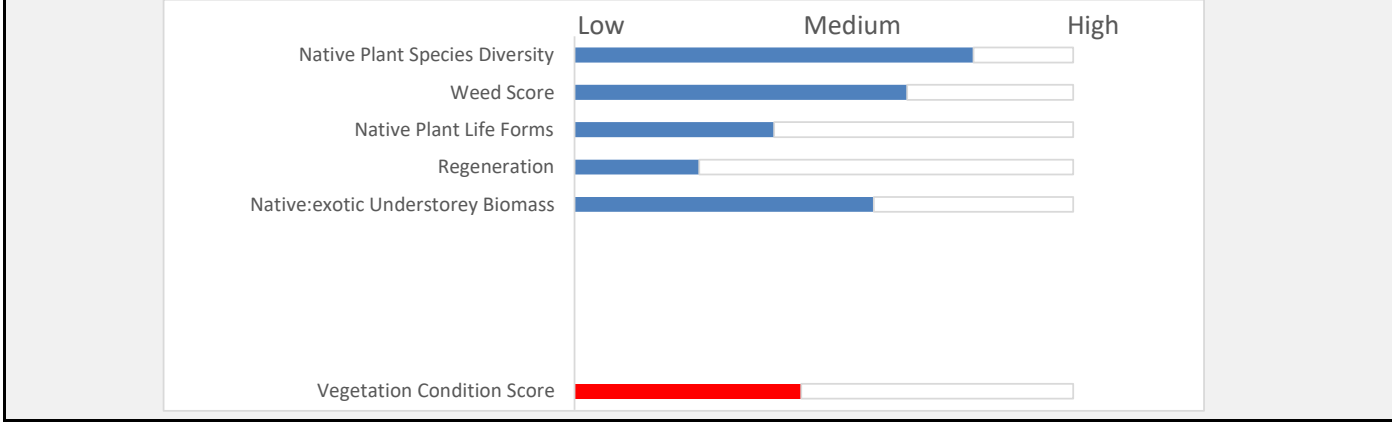
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>
<b>Is the community naturally treeless?</b>	
<input checked="" type="checkbox"/>	
<i>Tree attributes not scored for treeless community</i>	<b>8</b>
	<b>5</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input checked="" type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>8</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>3</b>
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<b>Vegetation Condition Score calculation</b>	
<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	43.40
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - (Biomass score x 2))exp2/2)	13.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>36.35</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input checked="" type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1.35

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	0
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>0</b>
<b>Threatened Flora Score</b>	<b>0</b>

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	14
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	3
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	2
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>71.5</b>
<b>Threatened Fauna Score</b>	<b>0.1</b>

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.45</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.17	<b>UNIT BIODIVERSITY SCORE</b>	<b>61.66</b>
VEGETATION CONDITION SCORE	36.35	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.45	<b>(Biodiversity Score x hectares)</b>	0.25

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>South</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	734004
	Northing (7 digits)	6041144
	<b>Description</b>	P2712

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.03
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>0.26</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$196.76</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$10.82</b>

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	XX1 Site 3 (53c)
<b>Size of Block (Ha)</b>	0.0041
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnets
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	29	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km2)		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	81.66	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	1991.71	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.14</b>



Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Thryptomene ericaea</i>	Heath Thryptomene			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Gonocarpus mezianus</i>	Broad-leaf Raspwort			
<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Sea-berry Saltbush			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Bertya rotundifolia</i>	Round-leaf Bertya			
<i>Correa reflexa</i> var. <i>insularis</i>	Round-leaf Correa			
<i>Melaleuca uncinata</i>	Broombush			
<i>Acacia paradoxa</i>	Kangaroo Thorn			
<i>Acrotriche depressa</i>	Native Currant			
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Stenanthera conostephioides</i>	Flame Heath			
<i>Xanthorrhoea semiplana</i> ssp. <i>tateana</i>	Tate's Grass-tree		R	
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Acacia euthycarpa</i>	Wallowa			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Billardiera versicolor</i>	Yellow-flower Apple-berry			
<i>Thomasia petalocalyx</i>	Paper-flower			
<i>Lasiopetalum baueri</i>	Slender Velvet-bush			
<i>Lepidosperma canescens</i>	Hoary Rapier-sedge			
<i>Dillwynia sericea</i>	Showy Parrot-pea			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Daviesia asperula</i> ssp. <i>asperula</i>	Kangaroo Island Bitter-pea			
<i>Callitris gracilis</i>	Southern Cypress Pine			
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	Ruby Saltbush			
<i>Salicornia quinqueflora</i> ssp. <i>quinqueflora</i>	Beaded Samphire			
<i>Acacia cupularis</i>	Cup Wattle			
<i>Tecticornia</i> sp.	Samphire			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Dodonaea viscosa</i> ssp. <i>angustissima</i>	Narrow-leaf Hop-bush			
<i>Ficinia nodosa</i>	Knobby Club-rush			
<i>Lasiopetalum schulzenii</i>	Drooping Velvet-bush			
<i>Eucalyptus cosmophylla</i>	Cup Gum			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Callitris rhomboidea</i>	Oyster Bay Pine			
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Eucalyptus albopurpurea</i>	Purple-flowered Mallee Box			
<i>Grevillea ilicifolia</i> ssp. <i>ilicifolia</i>	Holly-leaf Grevillea			
<i>Olearia ramulosa</i>	Twiggy Daisy-bush			
<i>Micrantheum demissum</i>	Dwarf Micrantheum			
<i>Dianella revoluta</i> var. <i>revoluta</i>	Black-anther Flax-lily			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Pultenaea penna</i>	Feather Bush-pea			
<i>Ehrharta calycina</i>	Perennial Veldt Grass			*
<i>Anagallis</i> sp.				*
<i>Asparagus asparagoides</i> f. <i>asparagoides</i>	Bridal Creeper			*
<i>Acacia longifolia</i> ssp. <i>longifolia</i>	Sallow Wattle			*
<i>Hypochaeris radicata</i>	Rough Cat's Ear			*
<i>Lagurus ovatus</i>	Hare's Tail Grass			*
<i>Plantago lanceolata</i> var.	Ribwort			*







# Vegetation Condition Scores

<b>SITE:</b>	XX1 Site 53c
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 1104 KINLM Mallee
<b>SIZE OF SITE (Ha)</b>	0.0041

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>
<i>Is the community naturally treeless?</i>	
	<input type="checkbox"/>
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>3.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>4</b>

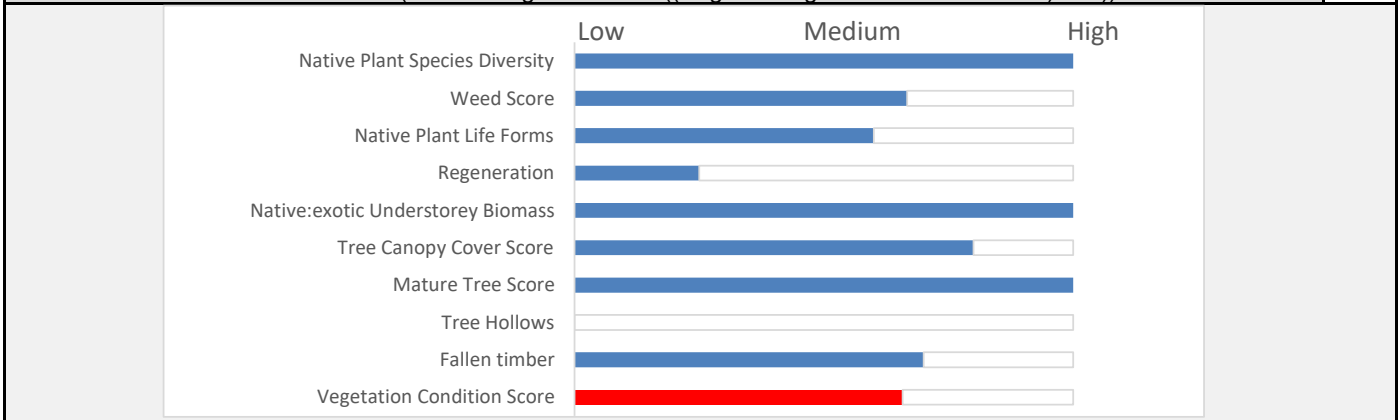
<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	56.50
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	5.50
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>52.62</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input checked="" type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1.4

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	1
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	1
<b>Threatened Flora Score</b>	0.04

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	85
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.54</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.14	<b>UNIT BIODIVERSITY SCORE</b>	<b>92.37</b>
VEGETATION CONDITION SCORE	52.62	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.54	<b>(Biodiversity Score x hectares)</b>	0.38

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>North East</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	734521
	Northing (7 digits)	6040705
	<b>Description</b>	
P2714		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.05
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>0.40</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$302.12</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$16.62</b>



# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	WW Site 4 (47)
<b>Size of Block (Ha)</b>	0.0034
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Amberley
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	29	<b>% native veg. remaining in IBRA Assoc.</b>	21
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	34.3	<b>% native veg. protected IBRA Assoc.</b>	8
<b>Cleared Perimeter to area ratio</b>	1008.82	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.02
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	Yes
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0.03
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.16</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Acacia cupularis</i>	Cup Wattle			
<i>Acacia euthycarpa</i>	Wallowa			
<i>Acacia leiophylla</i>	Coast Golden Wattle			
<i>Acacia myrtifolia</i>	Myrtle Wattle			
<i>Acacia spinescens</i>	Spiny Wattle			
<i>Acrotriche depressa</i>	Native Currant			
<i>Allocasuarina verticillata</i>	Drooping Sheoak			
<i>Angianthus preissianus</i>	Salt Angianthus			
<i>Stenanthera conostephioides</i>	Flame Heath			
<i>Baumea juncea</i>	Bare Twig-rush			
<i>Bertya rotundifolia</i>	Round-leaf Bertya			
<i>Beyeria subsecta</i>	Kangaroo Island Turpentine Bush	VU	E	
<i>Billardiera versicolor</i>	Yellow-flower Apple-berry			
<i>Cassytha glabella f. dispar</i>	Slender Dodder-laurel			
<i>Cassytha pubescens</i>	Downy Dodder-laurel			
<i>Choretrum glomeratum</i>	White Sour-bush			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Comesperma volubile</i>	Love Creeper			
<i>Daviesia asperula ssp. asperula</i>	Kangaroo Island Bitter-pea			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Dodonaea hexandra</i>	Horned Hop-bush			
<i>Enchylaena tomentosa var. tomentosa</i>	Ruby Saltbush			
<i>Eucalyptus albopurpurea</i>	Purple-flowered Mallee Box			
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Eucalyptus cosmophylla</i>	Cup Gum			
<i>Eucalyptus diversifolia ssp. diversifolia</i>	Coastal White Mallee			
<i>Gahnia trifida</i>	Cutting Grass			
<i>Grevillea halmaturina ssp. halmaturina</i>	Prickly Grevillea		R	
<i>Grevillea ilicifolia ssp. ilicifolia</i>	Holly-leaf Grevillea			
<i>Hardenbergia violacea</i>	Native Lilac			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Hypolaena fastigiata</i>	Tassel Rope-rush			
<i>Juncus bufonius</i>	Toad Rush			
<i>Lasiopetalum baueri</i>	Slender Velvet-bush			
<i>Lasiopetalum schulzenii</i>	Drooping Velvet-bush			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Leucopogon woodsii</i>	Nodding Beard-heath			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Melaleuca uncinata</i>	Broombush			
<i>Micrantheum demissum</i>	Dwarf Micrantheum			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Petrophile multisecta</i>	Kangaroo Island Conesticks			
<i>Poa sp.</i>	Meadow-grass/Tussock-grass			
<i>Puccinellia perlaxa</i>				
<i>Pultenaea acerosa</i>	Bristly Bush-pea			
<i>Pultenaea penna</i>	Feather Bush-pea			
<i>Rhagodia candolleana ssp. candolleana</i>	Sea-berry Saltbush			
<i>Samolus repens</i>	Creeping Brookweed			
<i>Salicornia quinqueflora ssp. quinqueflora</i>	Beaded Samphire			
<i>Sporobolus virginicus</i>	Salt Couch			
<i>Thryptomene ericaea</i>	Heath Thryptomene			







# Vegetation Condition Scores

<b>SITE:</b>	WW Site 4, 47
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 2301 Melaleuca halmaturorum / M. brevifolia Shrubland
<b>SIZE OF SITE (Ha)</b>	0.0034

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>4</b>
<b>Fallen timber/debris (max 5)</b>	<b>2.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>3</b>

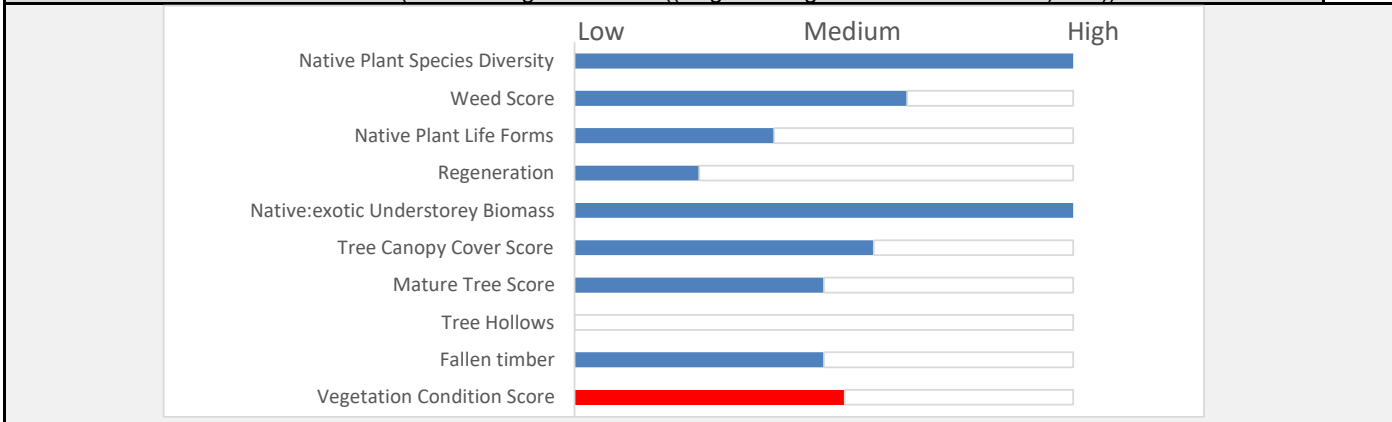
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input checked="" type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>8</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	47.50
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	7.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>43.34</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	1
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	1
Nationally <b>Vulnerable</b> species recorded (10 pts each)	1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>16</b>
<b>Threatened Flora Score</b>	0.16

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	4
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>105</b>
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.26</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.16	<b>UNIT BIODIVERSITY SCORE</b>	<b>63.35</b>
VEGETATION CONDITION SCORE	43.34	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.26	<b>(Biodiversity Score x hectares)</b>	0.22

Photo Point and Vegetation Survey Location	Direction of the Photo	
	North	
	GPS Reference	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	735595
	Northing (7 digits)	6039706
	Description	
	P2719 WPT 200	

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.03
Loadings for clearance of protected areas		Economies of Scale factor	0.50
Reductions for rehabilitation of impact site		Mean Annual rainfall for the site (mm)	576
SEB Points required	0.23	Payment into the fund (GST Exclusive)	\$171.83
		Administration fee (GST Inclusive)	\$9.45

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	VV Site 1
<b>Size of Block (Ha)</b>	0.0008
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Amberley
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	34	<b>% native veg. remaining in IBRA Assoc.</b>	21
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km <sup>2</sup> )		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	16.2	<b>% native veg. protected IBRA Assoc.</b>	8
<b>Cleared Perimeter to area ratio</b>	2025.00	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.02
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.13</b>



Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Chorizandra enodis</i>	Black Bristle-rush			
<i>Eucalyptus cosmophylla</i>	Cup Gum			
<i>Grevillea ilicifolia</i> ssp. <i>ilicifolia</i>	Holly-leaf Grevillea			
<i>Acacia pycnantha</i>	Golden Wattle			
<i>Beyeria subsecta</i>	Kangaroo Island Turpentine Bush	VU	E	
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Hardenbergia violacea</i>	Native Lilac			
<i>Melaleuca uncinata</i>	Broombush			
<i>Hakea rugosa</i>	Dwarf Hakea			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Lomandra micrantha</i> ssp. <i>micrantha</i>	Small-flower Mat-rush			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Hakea mitchellii</i>	Heath Needlebush			
<i>Thryptomene ericaea</i>	Heath Thryptomene			
<i>Calytrix tetragona</i>	Common Fringe-myrtle			
<i>Correa reflexa</i> var. <i>insularis</i>	Round-leaf Correa			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Lasiopetalum schulzenii</i>	Drooping Velvet-bush			
<i>Rytidosperma</i> sp.	Wallaby-grass			
<i>Eutaxia diffusa</i>	Large-leaf Eutaxia			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Goodenia varia</i>	Sticky Goodenia			
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Pomaderris obcordata</i>	Wedge-leaf Pomaderris			
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Acrotriche depressa</i>	Native Currant			
<i>Senecio odoratus</i>	Scented Groundsel			
<i>Acacia myrtifolia</i>	Myrtle Wattle			
<i>Leucopogon woodsii</i>	Nodding Beard-heath			
<i>Xanthorrhoea semiplana</i> ssp. <i>tateana</i>	Tate's Grass-tree		R	
<i>Styphelia exarrhena</i>	Desert Heath			
<i>Daviesia asperula</i> ssp. <i>asperula</i>	Kangaroo Island Bitter-pea			
<i>Choretrum glomeratum</i>	White Sour-bush			
<i>Dodonaea hexandra</i>	Horned Hop-bush			
<i>Callitris gracilis</i>	Southern Cypress Pine			
<i>Stenanthera conostephioides</i>	Flame Heath			
<i>Micrantheum demissum</i>	Dwarf Micrantheum			
<i>Cassytha melantha</i>	Coarse Dodder-laurel			
<i>Pultenaea acerosa</i>	Bristly Bush-pea			
<i>Daviesia brevifolia</i>	Leafless Bitter-pea			
<i>Acacia triquetra</i>	Mallee Wreath Wattle			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Scaevola linearis</i> ssp. <i>confertifolia</i>	Bundled Fanflower			
<i>Logania ovata</i>	Oval-leaf Logania			
<i>Grevillea muricata</i>	Rough Spider-flower		R	
<i>Acacia spinescens</i>	Spiny Wattle			
<i>Eremophila behriana</i>	Rough Emubush			
<i>Eucalyptus rugosa</i>	Coastal White Mallee			
<i>Cassytha pubescens</i>	Downy Dodder-laurel			
<i>Callistemon rugulosus</i>	Scarlet Bottlebrush			
<i>Dodonaea baueri</i>	Crinkled Hop-bush			







# Vegetation Condition Scores

<b>SITE:</b>	VVa Site 1, 37b
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 1106 E. cneorifolia and E. rugosa mallee over low shrubs in laterite
<b>SIZE OF SITE (Ha)</b>	0.0008

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>4.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

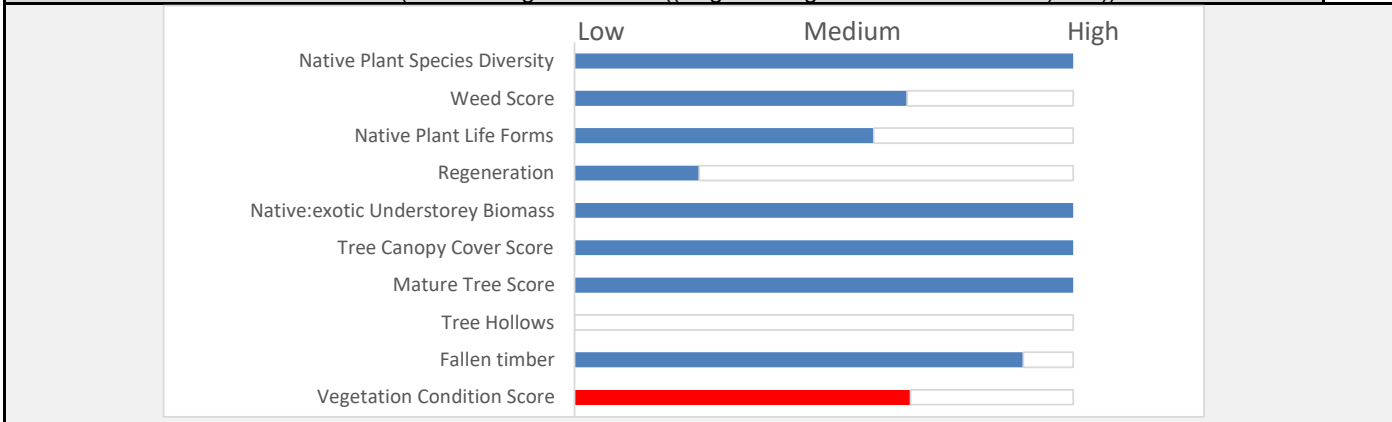
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	57.50
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	5.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>53.91</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input checked="" type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1.4

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	4
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	14
<b>Threatened Flora Score</b>	0.16

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	85
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.66</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.13	<b>UNIT BIODIVERSITY SCORE</b>	<b>101.12</b>
VEGETATION CONDITION SCORE	53.91	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.66	<b>(Biodiversity Score x hectares)</b>	0.08

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>West</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	737652
	Northing (7 digits)	6037869
	<b>Description</b>	
P2723 WPT 204		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.01
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>0.08</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$64.53</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$3.55</b>



# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	VV Site 8 28a,b
<b>Size of Block (Ha)</b>	0.028
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Amberley
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	34	<b>% native veg. remaining in IBRA Assoc.</b>	21
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km2)		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	140.2	<b>% native veg. protected IBRA Assoc.</b>	8
<b>Cleared Perimeter to area ratio</b>	500.71	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.02
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	Yes
		Swamp/wetland present (Yes/No) = 0.03 pts (Swamp/wetland may be +/- riparian zone)	No
		<b>Score</b>	0.02
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.15</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Melaleuca halmaturorum</i>	Swamp Paper-bark			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Acacia leiophylla</i>	Coast Golden Wattle			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Adenanthos macropodians</i>	Kangaroo Island Gland-flower			
<i>Eucalyptus cosmophylla</i>	Cup Gum			
<i>Billardiera versicolor</i>	Yellow-flower Apple-berry			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Pultenaea acerosa</i>	Bristly Bush-pea			
<i>Cassytha glabella</i> f. <i>dispar</i>	Slender Dodder-laurel			
<i>Rytidosperma</i> sp.	Wallaby-grass			
<i>Lasiopetalum baueri</i>	Slender Velvet-bush			
<i>Micrantheum demissum</i>	Dwarf Micrantheum			
<i>Hibbertia devitata</i>	Smooth Guinea-flower			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Melaleuca uncinata</i>	Broombush			
<i>Acacia cupularis</i>	Cup Wattle			
<i>Acacia myrtifolia</i>	Myrtle Wattle			
<i>Allocasuarina striata</i>	Stalked Oak-bush			
<i>Daviesia asperula</i> ssp. <i>asperula</i>	Kangaroo Island Bitter-pea			
<i>Petrophile multisecta</i>	Kangaroo Island Conesticks			
<i>Grevillea mucicata</i>	Rough Spider-flower		R	
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Adenanthos terminalis</i>	Yellow Gland-flower			
<i>Daviesia brevifolia</i>	Leafless Bitter-pea			
<i>Acacia spinescens</i>	Spiny Wattle			
<i>Bertya rotundifolia</i>	Round-leaf Bertya			
<i>Hakea rostrata</i>	Beaked Hakea			
<i>Acacia pycnantha</i>	Golden Wattle			
<i>Olearia axillaris</i>	Coast Daisy-bush			
<i>Eucalyptus albopurpurea</i>	Purple-flowered Mallee Box			
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Banksia marginata</i>	Silver Banksia			
<i>Correa reflexa</i> var. <i>reflexa</i>	Common Correa			
<i>Gahnia trifida</i>	Cutting Grass			
<i>Muehlenbeckia adpressa</i>	Climbing Lignum			
<i>Baumea juncea</i>	Bare Twig-rush			
<i>Lolium</i> sp.	Ryegrass			*
<i>Ehrharta calycina</i>	Perennial Veldt Grass			*
<i>Rostraria</i> sp.				*
<i>Asparagus asparagoides</i> f. <i>asparagoides</i>	Bridal Creeper			*
<i>Avena barbata</i>	Bearded Oat			*
<i>Lagurus ovatus</i>	Hare's Tail Grass			*
<i>Plantago lanceolata</i> var. <i>lanceolata</i>	Ribwort			*
<i>Medicago</i> sp.	Medic			*
<i>Eucalyptus</i> sp.				
<i>Bromus diandrus</i>	Great Brome			*





# Vegetation Condition Scores

<b>SITE:</b>	VV Site 8 28a, 28b
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 0210 E.cosmophylla mallee over riparian shrubs cond 3 and 2
<b>SIZE OF SITE (Ha)</b>	0.02804

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	3
<b>Weed Score (max score of 15)</b>	<b>9</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>0.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

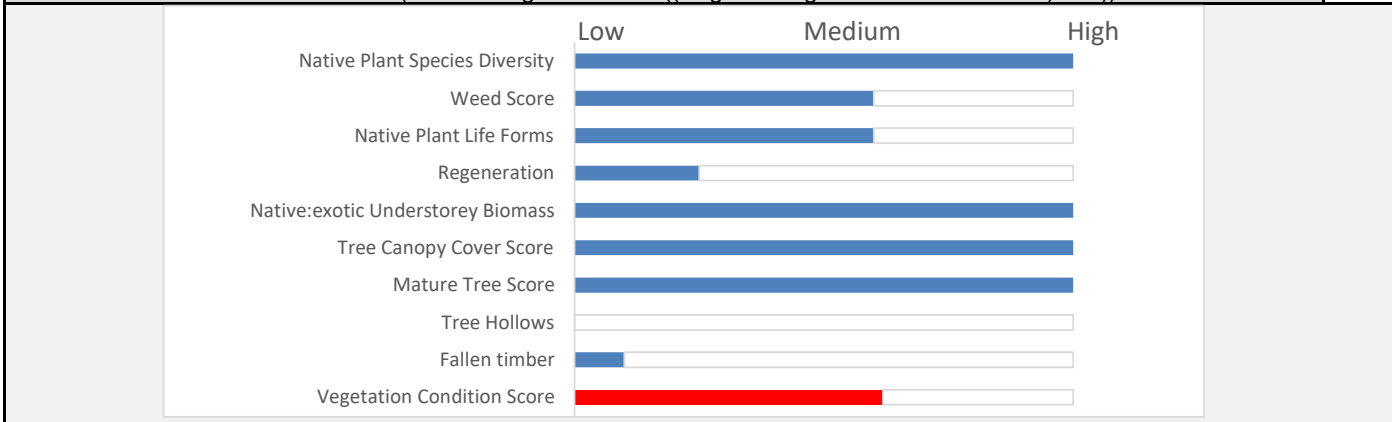
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	53.50
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	6.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>49.49</b>





# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	1
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	1
<b>Threatened Flora Score</b>	0.04

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	85
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.14</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
	<b>Score</b>	<b>UNIT BIODIVERSITY SCORE</b>	<b>64.88</b>
LANDSCAPE CONTEXT SCORE	1.15	<b>Total Biodiversity Score</b>	
VEGETATION CONDITION SCORE	49.49	<b>(Biodiversity Score x hectares)</b>	1.82
CONSERVATION SIGNIFICANCE SCORE	1.14		

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>West</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	741508
	Northing (7 digits)	6034388
	<b>Description</b>	
P2730 WPT 212		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.24
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>1.91</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$1,451.22</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$79.82</b>

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	VV Site 9 (25)
<b>Size of Block (Ha)</b>	0.0069
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnets
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	34	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km2)		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	69.02	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	1000.29	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.14</b>







# Vegetation Condition Scores

<b>SITE:</b>	VV Site 9 25 only (24 is more than 5 m wide)
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 0206 E. div over shrubs in deeper sands and clays
<b>SIZE OF SITE (Ha)</b>	0.0069

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input checked="" type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>21</b>

<b>Regeneration</b>	
No regeneration present (0 Points)	<input checked="" type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>0</b>

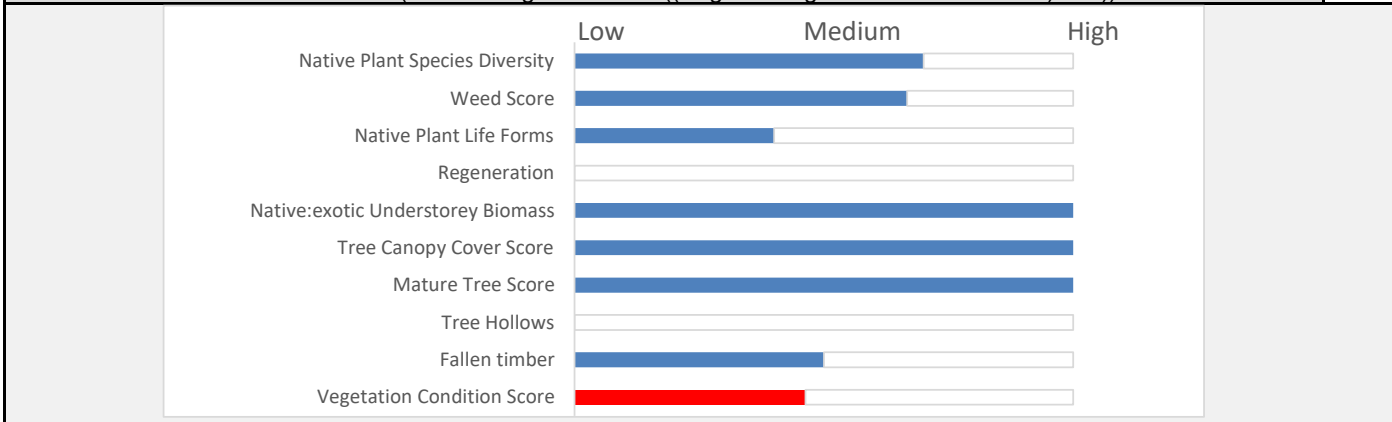
<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>2.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input checked="" type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>8</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	<b>39.50</b>
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	<b>5.00</b>
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>37.03</b>



# Conservation Significance Score

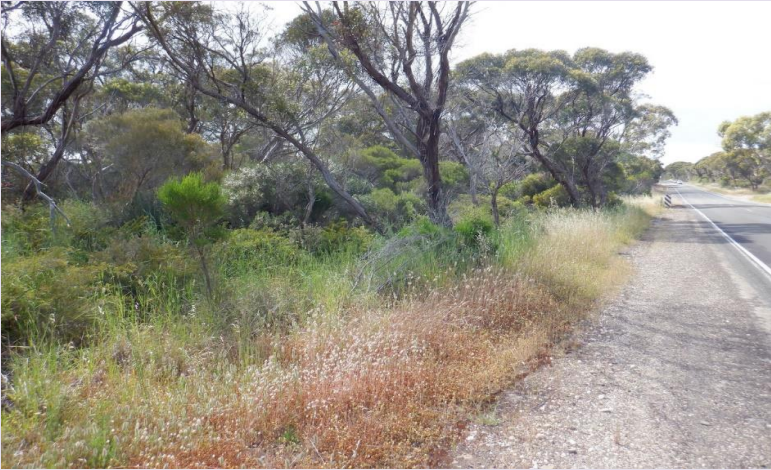
Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	0
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	10
<b>Threatened Flora Score</b>	0.16

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	85
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.26</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.14	<b>UNIT BIODIVERSITY SCORE</b>	53.19
VEGETATION CONDITION SCORE	37.03	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.26	<b>(Biodiversity Score x hectares)</b>	0.37

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>East</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	741609
	Northing (7 digits)	6034287
	<b>Description</b>	
P2677		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.05
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>0.39</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$292.79</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$16.10</b>

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	VV Site 9 (26,27)
<b>Size of Block (Ha)</b>	0.0609
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnets
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	34	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km2)		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	1181.9	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	1940.72	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	Yes
		Swamp/wetland present (Yes/No) = 0.03 pts	Yes
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0.03
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	1.17



Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Austrostipa</i> sp.	Spear-grass			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Acacia pycnantha</i>	Golden Wattle			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Bertya rotundifolia</i>	Round-leaf Bertya			
<i>Gahnia trifida</i>	Cutting Grass			
<i>Baumea juncea</i>	Bare Twig-rush			
<i>Salicornia quinqueflora</i> ssp. <i>quinqueflora</i>	Beaded Samphire			
<i>Acacia paradoxa</i>	Kangaroo Thorn			
<i>Eucalyptus cosmophylla</i>	Cup Gum			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Acacia cupularis</i>	Cup Wattle			
<i>Callitris gracilis</i>	Southern Cypress Pine			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Olearia axillaris</i>	Coast Daisy-bush			
<i>Grevillea muricata</i>	Rough Spider-flower		R	
<i>Melaleuca halmaturorum</i>	Swamp Paper-bark			
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Acrotriche depressa</i>	Native Currant			
<i>Thryptomene ericaea</i>	Heath Thryptomene			
<i>Acaena novae-zelandiae</i>	Biddy-biddy			
<i>Eucalyptus albopurpurea</i>	Purple-flowered Mallee Box			
<i>Banksia marginata</i>	Silver Banksia			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Hakea mitchellii</i>	Heath Needlebush			
<i>Micrantheum demissum</i>	Dwarf Micrantheum			
<i>Acacia spinescens</i>	Spiny Wattle			
<i>Pultenaea acerosa</i>	Bristly Bush-pea			
<i>Adenanthos terminalis</i>	Yellow Gland-flower			
<i>Adenanthos macropodianus</i>	Kangaroo Island Gland-flower			
<i>Phyllota pleurandroides</i>	Heathy Phyllota			
<i>Billardiera versicolor</i>	Yellow-flower Apple-berry			
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Daviesia brevifolia</i>	Leafless Bitter-pea			
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Acacia triquetra</i>	Mallee Wreath Wattle			
<i>Allocasuarina verticillata</i>	Drooping Sheoak			
<i>Allocasuarina muelleriana</i> ssp. <i>notocolpita</i>	Kangaroo Island Oak-bush			
<i>Melaleuca uncinata</i>	Broombush			
<i>Pimelea flava</i> ssp. <i>flava</i>	Yellow Riceflower			
<i>Hibbertia devitata</i>	Smooth Guinea-flower			
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Hibbertia devitata</i>	Smooth Guinea-flower			
<i>Leptospermum continentale</i>	Prickly Tea-tree			
<i>Dodonaea viscosa</i> ssp. <i>angustissima</i>	Narrow-leaf Hop-bush			
<i>Grevillea halmaturina</i> ssp. <i>halmaturina</i>	Prickly Grevillea		R	
<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Sea-berry Saltbush			
<i>Dillwynia sericea</i>	Showy Parrot-pea			
<i>Puccinellia perlaxa</i>				
<i>Samolus repens</i>	Creeping Brookweed			
<i>Lasiopetalum baueri</i>	Slender Velvet-bush			
<i>Rinzia ericea</i> ssp. <i>ericea</i>	Mat Heath-myrtle			







# Vegetation Condition Scores

<b>SITE:</b>	VV Site 9 26a, 26b, 26c, 27a, 27b
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	2201 Melaleuca halmaturorum / M. brevifolia shrubland over swampy late
<b>SIZE OF SITE (Ha)</b>	0.0609

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	3
<b>Weed Score (max score of 15)</b>	<b>9</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>0.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

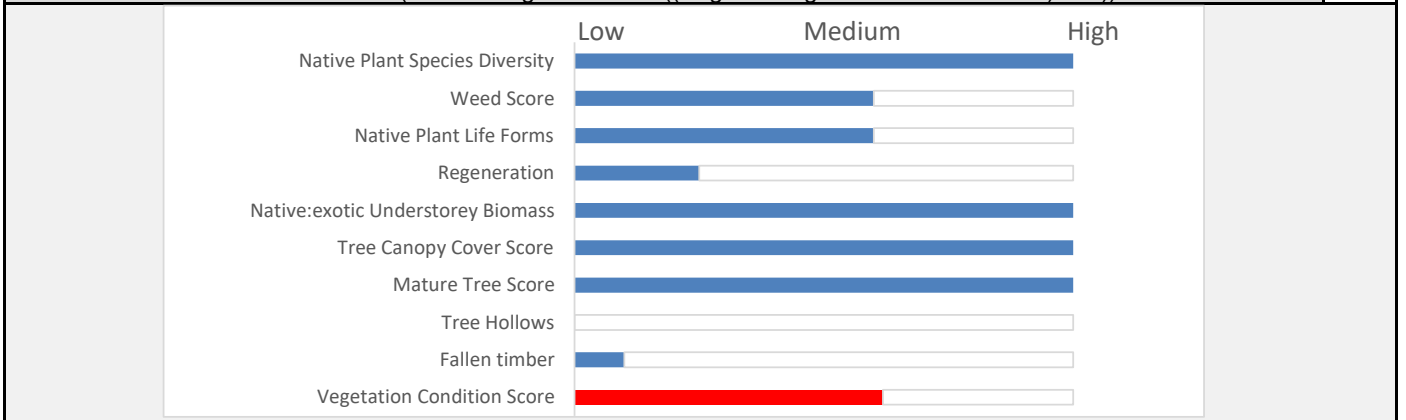
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	53.50
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	6.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>49.49</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	2
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	2
<b>Threatened Flora Score</b>	0.08

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	85
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	1.18
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.17	<b>UNIT BIODIVERSITY SCORE</b>	68.32
VEGETATION CONDITION SCORE	49.49	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.18	<b>(Biodiversity Score x hectares)</b>	4.16

Photo Point and Vegetation Survey Location	Direction of the Photo	
	North	
	GPS Reference	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	741730
	Northing (7 digits)	6034168
	Description	

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0	Economies of Scale factor	0.50
Loadings for clearance of protected areas		Mean Annual rainfall for the site (mm)	576
Reductions for rehabilitation of impact site		Payment into the fund (GST Exclusive)	\$3,319.23
<b>SEB Points required</b>	<b>4.37</b>	Administration fee (GST Inclusive)	\$182.56



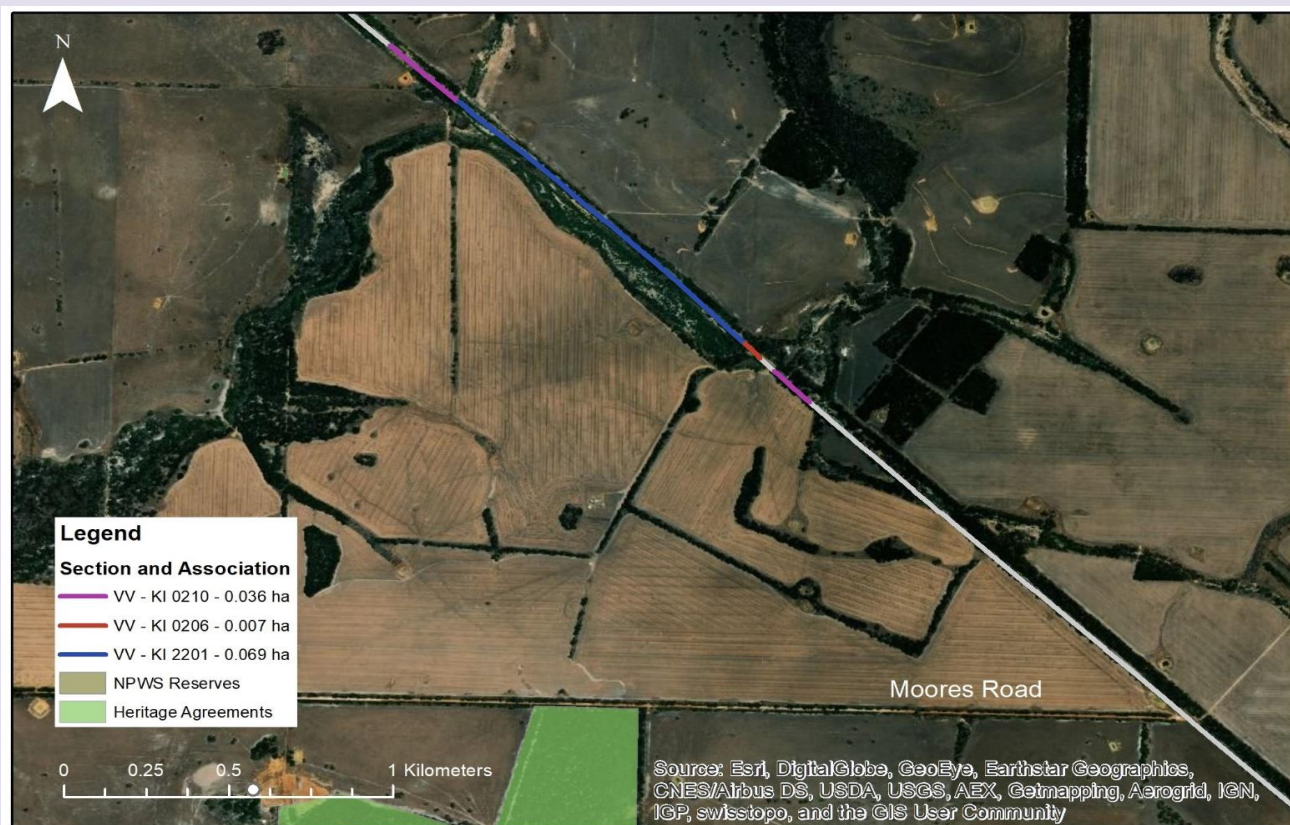
# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	VV Site 10 (23)
<b>Size of Block (Ha)</b>	0.0075
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Amberley
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	33	<b>% native veg. remaining in IBRA Assoc.</b>	21
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km2)		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	149.4	<b>% native veg. protected IBRA Assoc.</b>	8
<b>Cleared Perimeter to area ratio</b>	1992.00	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.02
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.13</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Acrotriche depressa</i>	Native Currant			
<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Sea-berry Saltbush			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Eucalyptus albopurpurea</i>	Purple-flowered Mallee Box			
<i>Rytidosperma</i> sp.	Wallaby-grass			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Thryptomene ericaea</i>	Heath Thryptomene			
<i>Grevillea ilicifolia</i> ssp. <i>ilicifolia</i>	Holly-leaf Grevillea			
<i>Dianella revoluta</i> var. <i>revoluta</i>	Black-anther Flax-lily			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Melaleuca uncinata</i>	Broombush			
<i>Beyeria subsecta</i>	Kangaroo Island Turpentine Bush	VU	E	
<i>Cassinia complanata</i>	Sticky Cassinia			
<i>Melaleuca lanceolata</i>	Dryland Tea-tree			
<i>Acacia pycnantha</i>	Golden Wattle			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Acacia spinescens</i>	Spiny Wattle			
<i>Correa reflexa</i> var. <i>insularis</i>	Round-leaf Correa			
<i>Eutaxia microphylla</i>	Common Eutaxia			
<i>Pultenaea acerosa</i>	Bristly Bush-pea			
<i>Lasiopetalum baueri</i>	Slender Velvet-bush			
<i>Dodonaea hexandra</i>	Horned Hop-bush			
<i>Acacia paradoxa</i>	Kangaroo Thorn			
<i>Leucopogon woodsii</i>	Nodding Beard-heath			
<i>Eucalyptus phenax</i> ssp. <i>compressa</i>	Kangaroo Island Mallee		R	
<i>Grevillea halmaturina</i> ssp. <i>halmaturina</i>	Prickly Grevillea		R	
<i>Melaleuca halmaturorum</i>	Swamp Paper-bark			
<i>Daviesia asperula</i> ssp. <i>asperula</i>	Kangaroo Island Bitter-pea			
<i>Goodenia varia</i>	Sticky Goodenia			
<i>Puccinellia perluxa</i>				
<i>Pimelea serpyllifolia</i> ssp. <i>serpyllifolia</i>	Thyme Riceflower			
<i>Thomasia petalocalyx</i>	Paper-flower			
<i>Eutaxia diffusa</i>	Large-leaf Eutaxia			
<i>Acacia myrtifolia</i>	Myrtle Wattle			
<i>Eucalyptus rugosa</i>	Coastal White Mallee			
<i>Spyridium halmaturinum</i>	Kangaroo Island Spyridium			
<i>Pimelea glauca</i>	Smooth Riceflower			
<i>Choretrum glomeratum</i>	White Sour-bush			
<i>Billardiera versicolor</i>	Yellow-flower Apple-berry			
<i>Triglochin striata</i>	Streaked Arrowgrass			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Prostanthera aspalathoides</i>	Scarlet Mintbush			
<i>Logania linifolia</i>	Flax-leaf Logania			
<i>Ehrharta calycina</i>	Perennial Veldt Grass			*
<i>Bromus diandrus</i>	Great Brome			*
<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover			*







# Vegetation Condition Scores

<b>SITE:</b>	VV Site 10, Site 23
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 0210 E. cneorifolia mallee over lateritic sand and clay
<b>SIZE OF SITE (Ha)</b>	0.0075

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input type="checkbox"/>
Cover rating for all declared weeds (max of 6)	
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>13</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>6</b>
<b>Fallen timber/debris (max 5)</b>	<b>3.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

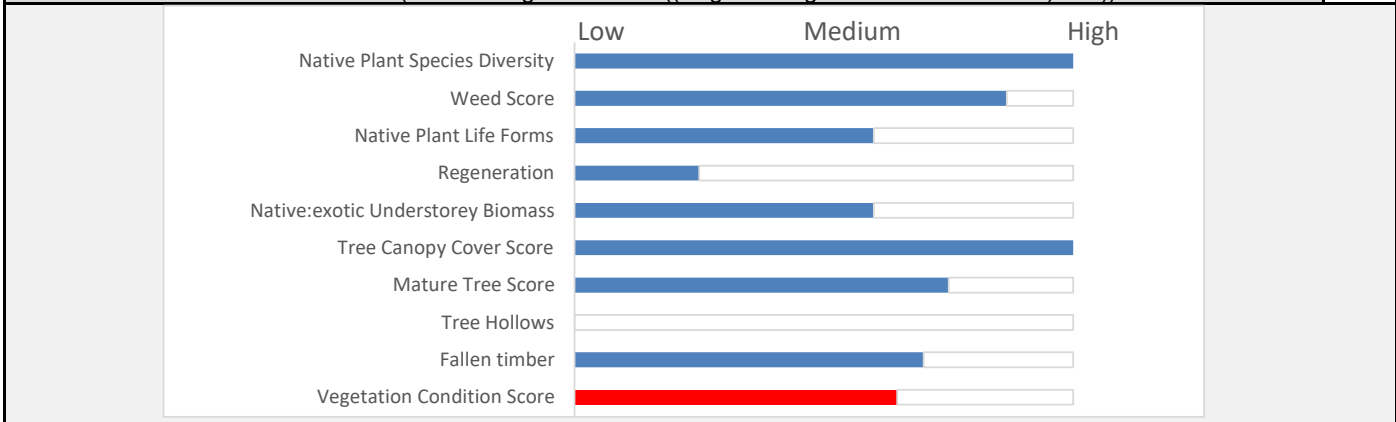
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>3</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	<b>54.50</b>
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	<b>4.00</b>
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>51.78</b>



# Conservation Significance Score


Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	2
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	12
<b>Threatened Flora Score</b>	0.16

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	2
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	65
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.26</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.13	<b>UNIT BIODIVERSITY SCORE</b>	<b>73.72</b>
VEGETATION CONDITION SCORE	51.78	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.26	<b>(Biodiversity Score x hectares)</b>	0.55

Photo Point and Vegetation Survey Location	Direction of the Photo	
	North	
	GPS Reference	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	741730
	Northing (7 digits)	6034168
	Description	P2732 WPT 213

Assessment for Clearance		Approximate hectares required	0.07
Loss Factor	1.0	Economies of Scale factor	0.50
Loadings for clearance of protected areas		Mean Annual rainfall for the site (mm)	576
Reductions for rehabilitation of impact site		Payment into the fund (GST Exclusive)	\$441.05
SEB Points required	0.58	Administration fee (GST Inclusive)	\$24.26

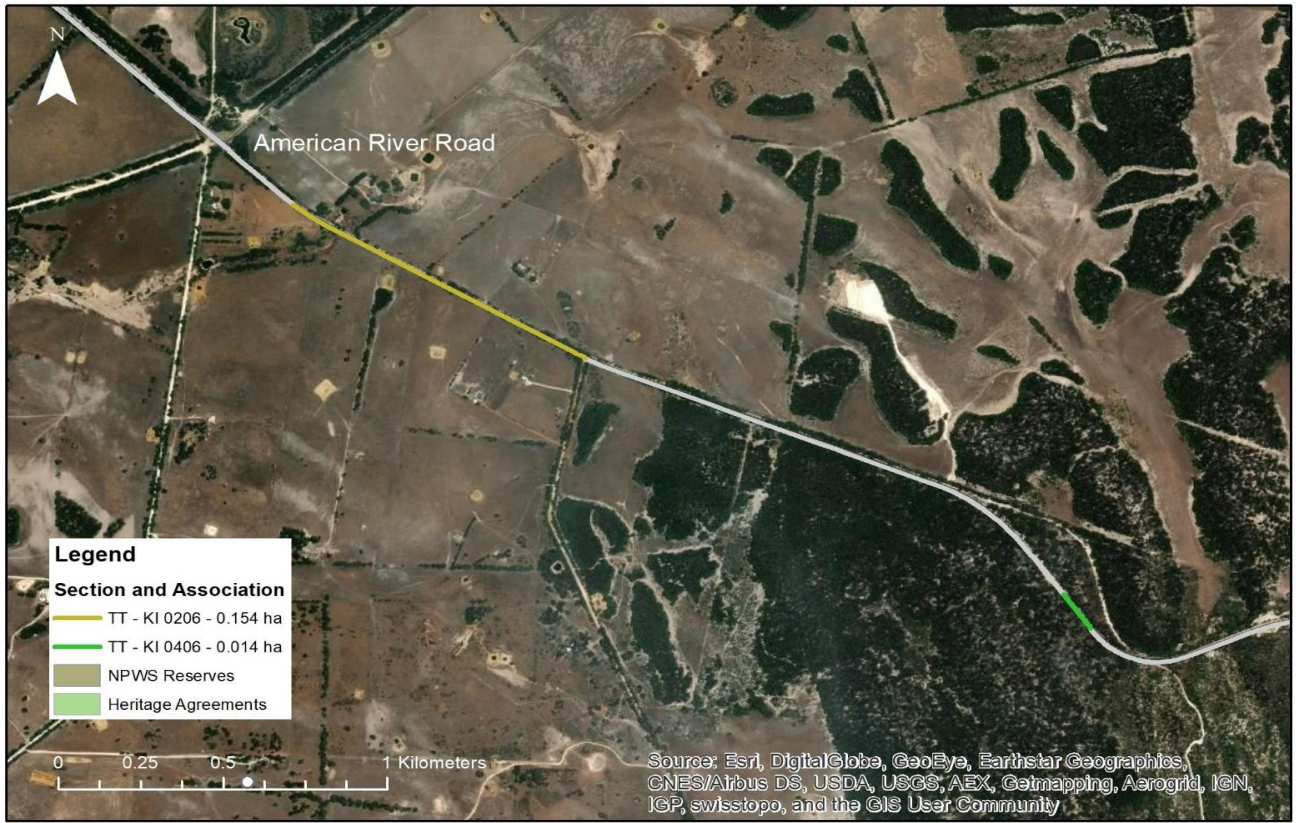
# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	TT Site 2 1201
<b>Size of Block (Ha)</b>	0.154
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Gantheaume
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	30	<b>% native veg. remaining in IBRA Assoc.</b>	88
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.02
<b>Block Shape</b> Cleared perimeter:Area (km/km2)		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	1026	<b>% native veg. protected IBRA Assoc.</b>	76
<b>Cleared Perimeter to area ratio</b>	666.23	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.08</b>



Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Myoporum insulare</i>	Common Boobialla			
<i>Hypolaena fastigiata</i>	Tassel Rope-rush			
<i>Hibbertia platyphylla</i> ssp. <i>halmaturina</i>	Large Guinea-flower			
<i>Lepidosperma canescens</i>	Hoary Rapier-sedge			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Eucalyptus cosmophylla</i>	Cup Gum			
<i>Muehlenbeckia adpressa</i>	Climbing Lignum			
<i>Ficinia nodosa</i>	Knobby Club-rush			
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Lepidosperma viscidum</i>	Sticky Sword-sedge			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Melaleuca gibbosa</i>	Slender Honey-myrtle			
<i>Allocasuarina verticillata</i>	Drooping Sheoak			
<i>Acacia myrtifolia</i>	Myrtle Wattle			
<i>Xanthorrhoea semiplana</i> ssp. <i>tateana</i>	Tate's Grass-tree		R	
<i>Adriana quadripartita</i>	Coast Bitter-bush			
<i>Petrophile multisecta</i>	Kangaroo Island Conesticks			
<i>Hakea rostrata</i>	Beaked Hakea			
<i>Melaleuca brevifolia</i>	Short-leaf Honey-myrtle			
<i>Eucalyptus cneorifolia</i>	Kangaroo Island Narrow-leaf Mallee			
<i>Poa</i> sp.	Meadow-grass/Tussock-grass			
<i>Beyeria subsecta</i>	Kangaroo Island Turpentine Bush	VU	E	
<i>Rytidosperma</i> sp.	Wallaby-grass			
<i>Micrantheum demissum</i>	Dwarf Micrantheum			
<i>Astroloma humifusum</i>	Cranberry Heath			
<i>Pimelea serpyllifolia</i> ssp. <i>serpyllifolia</i>	Thyme Riceflower			
<i>Adenanthos macropodianus</i>	Kangaroo Island Gland-flower			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Correa reflexa</i> var. <i>reflexa</i>	Common Correa			
<i>Acrotriche patula</i>	Prickly Ground-berry			
<i>Leucopogon woodsii</i>	Nodding Beard-heath			
<i>Acaena novae-zelandiae</i>	Biddy-biddy			
<i>Avena barbata</i>	Bearded Oat			*
<i>Lagurus ovatus</i>	Hare's Tail Grass			*
<i>Hypochaeris radicata</i>	Rough Cat's Ear			*
<i>Ehrharta calycina</i>	Perennial Veldt Grass			*
<i>Lactuca</i> sp.	Lettuce			*
<i>Anagallis</i> sp.				*
<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome			*
<i>Bromus diandrus</i>	Great Brome			*
<i>Lolium</i> sp.	Ryegrass			*
<i>Asparagus asparagoides</i> f. <i>asparagoides</i>	Bridal Creeper			*
<i>Scabiosa atropurpurea</i>	Pincushion			*
<i>Piptatherum miliaceum</i>	Rice Millet			*
<i>Acacia longifolia</i> ssp. <i>longifolia</i>	Sallow Wattle			*
<i>Vulpia</i> sp.	Fescue			*
<i>Limonium companyonis</i>	Sea-lavender			*
<i>Asphodelus fistulosus</i>	Onion Weed			*
<i>Phalaris</i> sp.	Canary Grass			*







# Vegetation Condition Scores

<b>SITE:</b>	TT Site 2, (New site ID 14)
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 0206
<b>SIZE OF SITE (Ha)</b>	0.154

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input checked="" type="checkbox"/>
>80% (30 Points)	<input type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>27</b>

<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>

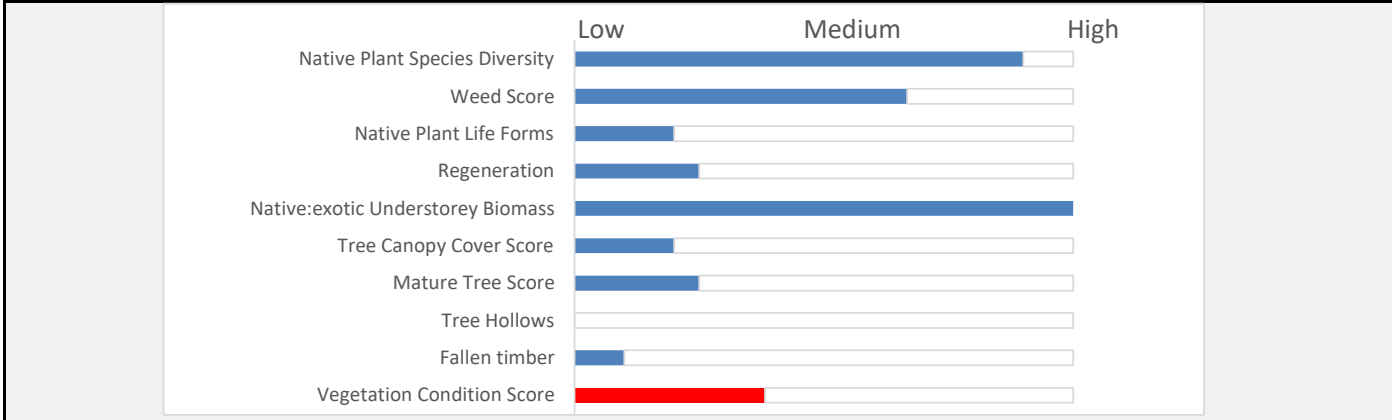
<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input checked="" type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>4</b>

<i>Is the community naturally treeless?</i>	<input type="checkbox"/>
<b>Mature Tree Score (max 8)</b>	<b>2</b>
<b>Fallen timber/debris (max 5)</b>	<b>0.5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>1</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	<b>36.50</b>
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	<b>13.00</b>
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>30.57</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	<b>1</b>

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	1
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>11</b>
<b>Threatened Flora Score</b>	<b>0.16</b>

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>85</b>
<b>Threatened Fauna Score</b>	<b>0.1</b>

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.26</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.08	<b>UNIT BIODIVERSITY SCORE</b>	41.60
VEGETATION CONDITION SCORE	30.57	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.26	<b>(Biodiversity Score x hectares)</b>	6.41

Photo Point and Vegetation Survey Location	Direction of the Photo	
	north-west	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	744847
	Northing (7 digits)	6031397
	<b>Description</b>	
	P2739 WPT 220	

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.84
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>6.73</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$5,110.33</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$281.07</b>



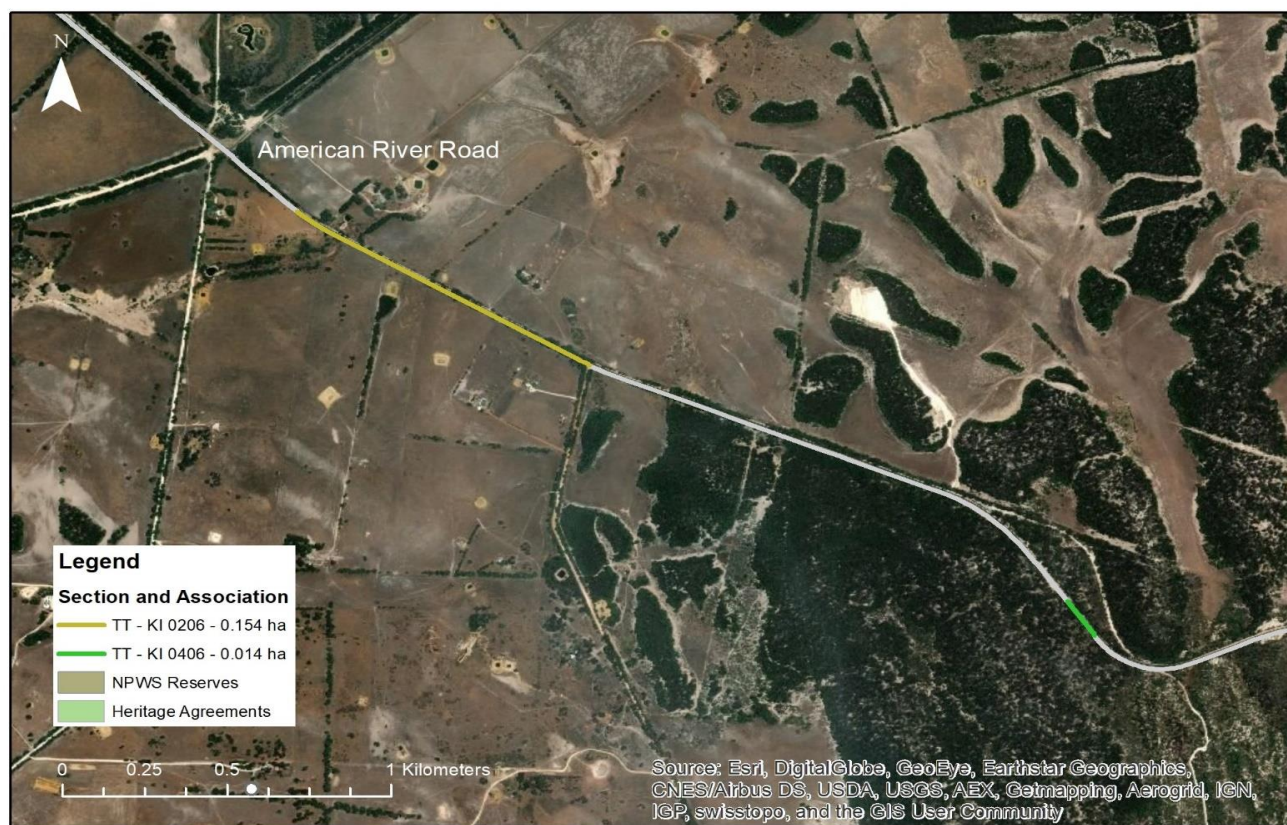
# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	TT Site 3 (11a)
<b>Size of Block (Ha)</b>	0.0141
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Gantheaume
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	36	<b>% native veg. remaining in IBRA Assoc.</b>	88
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.02
		Score received for both IBRA assoc. and subregion and summed	
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		<b>% native veg. protected IBRA Assoc.</b>	76
<b>Cleared Perimeter (m) =</b>	141.5	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0
<b>Cleared Perimeter to area ratio</b>	1003.55		
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.08</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Beyeria lechenaultii</i>	Pale Turpentine Bush			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Correa reflexa</i> var. <i>reflexa</i>	Common Correa			
<i>Acrotriche patula</i>	Prickly Ground-berry			
<i>Acacia leiophylla</i>	Coast Golden Wattle			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Melaleuca lanceolata</i>	Dryland Tea-tree			
<i>Cassutha melantha</i>	Coarse Dodder-laurel			
<i>Senecio odoratus</i>	Scented Groundsel			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Lasiopetalum schulzenii</i>	Drooping Velvet-bush			
<i>Pimelea glauca</i>	Smooth Riceflower			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Eucalyptus rugosa</i>	Coastal White Mallee			
<i>Hibbertia pallidiflora</i>	Round-leaf Guinea-flower			
<i>Dodonaea viscosa</i> ssp. <i>angustissima</i>	Narrow-leaf Hop-bush			
<i>Pultenaea tenuifolia</i>	Narrow-leaf Bush-pea			
<i>Acacia paradoxa</i>	Kangaroo Thorn			
<i>Eutaxia microphylla</i>	Common Eutaxia			
<i>Rytidosperma</i> sp.	Wallaby-grass			
<i>Pimelea stricta</i>	Erect Riceflower			
<i>Pultenaea canaliculata</i>	Soft Bush-pea			
<i>Acacia triquetra</i>	Mallee Wreath Wattle			
<i>Pimelea serpyllifolia</i> ssp. <i>serpyllifolia</i>	Thyme Riceflower			
<i>Kunzea pomifera</i>	Muntries			
<i>Lasiopetalum discolor</i>	Coast Velvet-bush			
<i>Goodenia varia</i>	Sticky Goodenia			
<i>Olearia axillaris</i>	Coast Daisy-bush			
<i>Templetonia retusa</i>	Cockies Tongue			
<i>Pomaderris paniculosa</i> ssp. <i>paralia</i>	Coast Pomaderris			
<i>Acacia cupularis</i>	Cup Wattle			
<i>Stackhousia</i> sp.	Candles			
<i>Adriana quadripartita</i>	Coast Bitter-bush			
<i>Acacia uncifolia</i>	Coast Silver Wattle			
<i>Rhaqodia candolleana</i> ssp. <i>candolleana</i>	Sea-berry Saltbush			
<i>Goodia medicaginea</i>	Western Golden-tip			
<i>Vulpia</i> sp.	Fescue			*
<i>Avena barbata</i>	Bearded Oat			*
<i>Asphodelus fistulosus</i>	Onion Weed			*
<i>Aira</i> sp.	Hair-grass			*
<i>Rostraria</i> sp.				*
<i>Asparagus asparagoides</i> f. <i>asparagoides</i>	Bridal Creeper			*
<i>Anagallis</i> sp.				*



# Vegetation Condition Scores

<b>SITE:</b>	TT Site 4, 11a
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 0406 Eucalyptus rugosa / E. diversifolia mallee over coastal limestone
<b>SIZE OF SITE (Ha)</b>	0.0141

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	1
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>11.5</b>
<i>Is the community naturally treeless?</i> <input type="checkbox"/>	
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>5</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

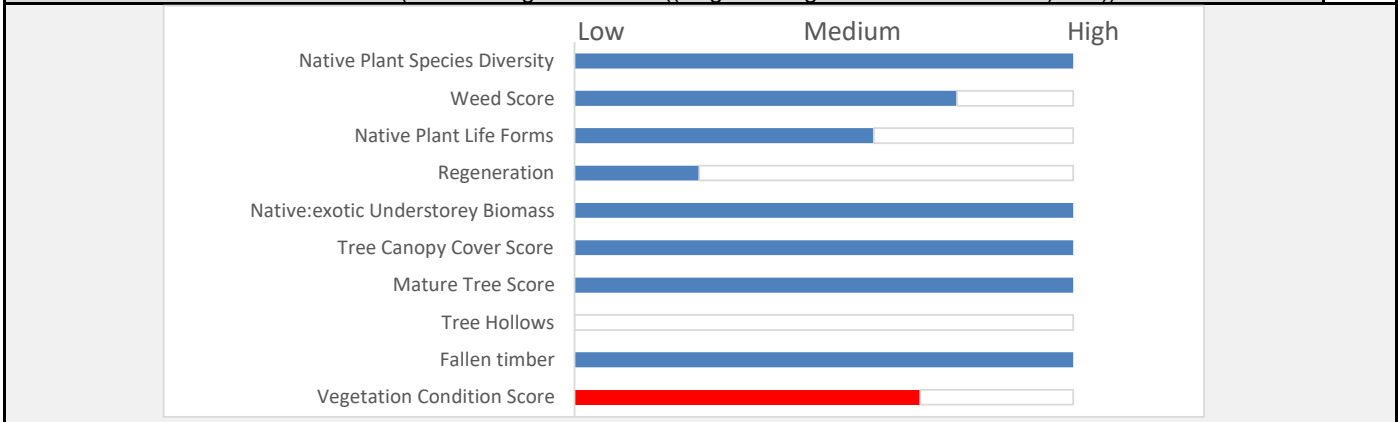
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	<b>58.00</b>
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	<b>3.50</b>
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>55.46</b>





# Conservation Significance Score


Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	0
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	0
<b>Threatened Flora Score</b>	0

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	85
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	1.1
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.08	<b>UNIT BIODIVERSITY SCORE</b>	65.89
VEGETATION CONDITION SCORE	55.46	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.10	<b>(Biodiversity Score x hectares)</b>	0.93

Photo Point and Vegetation Survey Location	Direction of the Photo	
	North	
	GPS Reference	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	746921
	Northing (7 digits)	60303042
	Description	
	P2741 WPT 222	

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.12
Loadings for clearance of protected areas		Economies of Scale factor	0.50
Reductions for rehabilitation of impact site		Mean Annual rainfall for the site (mm)	576
SEB Points required	0.98	Payment into the fund (GST Exclusive)	\$741.13
		Administration fee (GST Inclusive)	\$40.76

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	1 (Cygnet)
<b>Size of Block (Ha)</b>	0.078
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Cygnet
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/10, 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	38	<b>% native veg. remaining in IBRA Assoc.</b>	27
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.05
<b>Block Shape</b> Cleared perimeter:Area (km/km2)		Score received for both IBRA assoc. and subregion and summed	
<b>Cleared Perimeter (m) =</b>	270.5	<b>% native veg. protected IBRA Assoc.</b>	2
<b>Cleared Perimeter to area ratio</b>	346.79	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0.03
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.14</b>

Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Kunzea pomifera</i>	Muntries			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Acrotriche patula</i>	Prickly Ground-berry			
<i>Acacia triquetra</i>	Mallee Wreath Wattle			
<i>Cassytha melantha</i>	Coarse Dodder-laurel			
<i>Acacia leiophylla</i>	Coast Golden Wattle			
<i>Hibbertia pallidiflora</i>	Round-leaf Guinea-flower			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Poa halmaturina</i>	Kangaroo Island Poa			
<i>Pimelea serpyllifolia</i> ssp. <i>serpyllifolia</i>	Thyme Riceflower			
<i>Pultenaea tenuifolia</i>	Narrow-leaf Bush-pea			
<i>Choretrum glomeratum</i>	White Sour-bush			
<i>Correa reflexa</i> var. <i>reflexa</i>	Common Correa			
<i>Beyeria lechenaultii</i>	Pale Turpentine Bush			
<i>Lachnagrostis billardiarei</i> ssp. <i>billardiarei</i>	Coast Blown-grass			
<i>Melaleuca lanceolata</i>	Dryland Tea-tree			
<i>Acacia uncifolia</i>	Coast Silver Wattle			
<i>Senecio odoratus</i>	Scented Groundsel			
<i>Adriana quadripartita</i>	Coast Bitter-bush			
<i>Comesperma volubile</i>	Love Creeper			
<i>Olearia axillaris</i>	Coast Daisy-bush			
<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Sea-berry Saltbush			
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Ficinia nodosa</i>	Knobby Club-rush			
<i>Dodonaea viscosa</i> ssp. <i>angustissima</i>	Narrow-leaf Hop-bush			
<i>Poa</i> sp.	Meadow-grass/Tussock-grass			
<i>Hardenbergia violacea</i>	Native Lilac			
<i>Goodenia varia</i>	Sticky Goodenia			
<i>Callitris gracilis</i>	Southern Cypress Pine			
<i>Acacia longifolia</i> ssp. <i>sophorae</i>	Coastal Wattle			
<i>Geranium potentilloides</i> var. <i>potentilloides</i>	Downy Geranium			
<i>Carpobrotus rossii</i>	Native Pigface			
<i>Muehlenbeckia adpressa</i>	Climbing Lignum			
<i>Allocasuarina verticillata</i>	Drooping Sheoak			
<i>Hibbertia riparia</i>	Bristly Guinea-flower			
<i>Goodia medicaginea</i>	Western Golden-tip			
<i>Vittadinia gracilis</i>	Woolly New Holland Daisy			
<i>Lagurus ovatus</i>	Hare's Tail Grass			*
<i>Avena barbata</i>	Bearded Oat			*
<i>Asphodelus fistulosus</i>	Onion Weed			*
<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome			*
<i>Kickxia elatine</i> ssp. <i>elatine</i>	Woolly Toadflax			*
<i>Acacia longifolia</i> ssp. <i>longifolia</i>	Sallow Wattle			*
<i>Pinus</i> sp.	Pine			*
<i>Vulpia</i> sp.	Fescue			*
<i>Asparagus asparagoides</i> f. <i>asparagoides</i>	Bridal Creeper			*
<i>Ehrharta longiflora</i>	Annual Veldt Grass			*







# Vegetation Condition Scores

<b>SITE:</b>	TT Site 5, 8a, 8b - make all condition 2
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 1201 Myoporum insulare / Leucopogon parviflorus coastal shrubland
<b>SIZE OF SITE (Ha)</b>	0.078

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input checked="" type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>30</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	2
<b>Weed Score (max score of 15)</b>	<b>10</b>
<i>Is the community naturally treeless?</i> <input checked="" type="checkbox"/>	
<i>Tree attributes not scored for treeless community</i>	

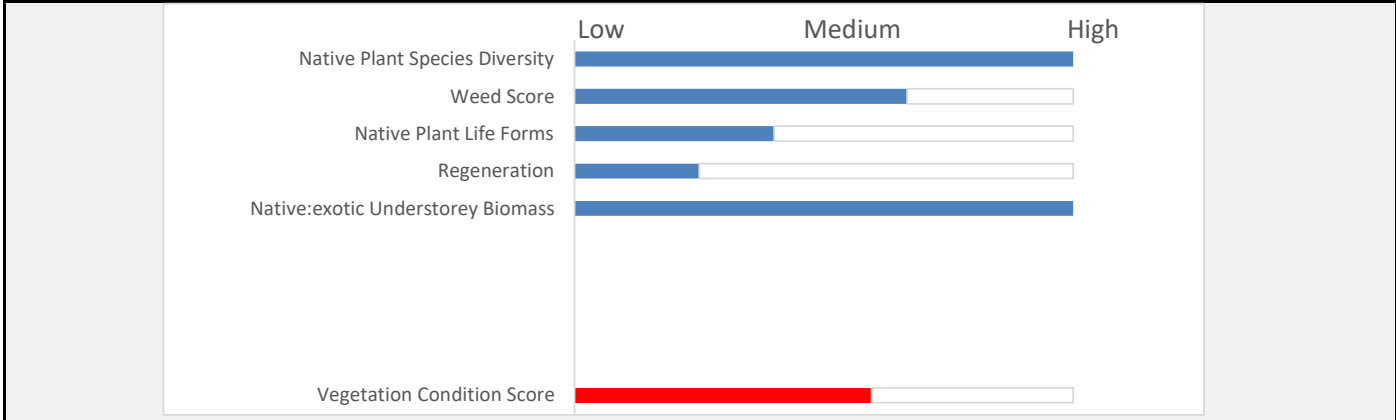
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input checked="" type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>8</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	50.84
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - (Biomass score x 2))exp2/2)	5.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>47.66</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	0
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	<b>0</b>
<b>Threatened Flora Score</b>	0

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	<b>85</b>
<b>Threatened Fauna Score</b>	<b>0.1</b>

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.1</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
	<b>Score</b>	<b>UNIT BIODIVERSITY SCORE</b>	59.77
LANDSCAPE CONTEXT SCORE	1.14	<b>Total Biodiversity Score</b>	4.66
VEGETATION CONDITION SCORE	47.66	<b>(Biodiversity Score x hectares)</b>	
CONSERVATION SIGNIFICANCE SCORE	1.10		

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>North-west</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	748234
	Northing (7 digits)	6030053
	<b>Description</b>	P2750 WPT224

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.61
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>4.90</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$3,718.99</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$204.54</b>

# Bushland Assessment Scoresheet (Small Sites)

(Version - 1 July 2020)

<b>Block</b>	SS3 Site 2 0220
<b>Size of Block (Ha)</b>	0.0358
<b>Landscapes Region</b>	Kangaroo Island
<b>IBRA Association</b>	Gantheaume
<b>IBRA Subregion</b>	Kangaroo Island

<b>ASSESSOR(S)</b>	Marcus Cooling / Michelle Haby
<b>DATE OF ASSESSMENT</b>	19/10/18 and 3/11/20

## Map of the Block (Including the Sites)



## Landscape Context Scores

<b>Percent Vegetation Cover (5km radius) (%)</b>	45	<b>% native veg. remaining in IBRA Assoc.</b>	88
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts; >25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		<b>% native veg. remaining in IBRA subregion</b>	52
<b>Score</b>	0.06	0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts; >30-60% = 0.02 pts; > 60 = 0 pts	<b>Score</b> 0.02
		Score received for both IBRA assoc. and subregion and summed	
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		<b>% native veg. protected IBRA Assoc.</b>	76
<b>Cleared Perimeter (m) =</b>	536	0-5% = 0.03 pts; >5-10% = 0.02 pts; >10-25% = 0.01 pt; >25% = 0	<b>Score</b> 0
<b>Cleared Perimeter to area ratio</b>	1497.21		
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		<b>Wetland or Riparian Habitat present</b>	
<b>Score</b>	0	Riparian zone present (Yes/No) = 0.02 pt	No
		Swamp/wetland present (Yes/No) = 0.03 pts	No
		(Swamp/wetland may be +/- riparian zone)	
		<b>Score</b>	0
<i>Note: Blocks will score a minimum Landscape Context Score of 1</i>		<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>	<b>1.08</b>



Plant Species Recorded (Native and Introduced)		Threatened Sp.		Introduced Species
Species	Common Name	EPBC	SA	
<i>Eucalyptus diversifolia</i> ssp. <i>diversifolia</i>	Coastal White Mallee			
<i>Beyeria lechenaultii</i>	Pale Turpentine Bush			
<i>Leucopogon parviflorus</i>	Coast Beard-heath			
<i>Olearia axillaris</i>	Coast Daisy-bush			
<i>Myoporum insulare</i>	Common Boobialla			
<i>Senecio odoratus</i>	Scented Groundsel			
<i>Hardenbergia violacea</i>	Native Lilac			
<i>Dianella brevicaulis</i>	Short-stem Flax-lily			
<i>Acacia leiophylla</i>	Coast Golden Wattle			
<i>Acrotriche patula</i>	Prickly Ground-berry			
<i>Orthrosanthus multiflorus</i>	Morning Flag			
<i>Correa backhouseana</i> var. <i>orbicularis</i>	Round-leaf Correa		R	
<i>Clematis microphylla</i>	Old Man's Beard			
<i>Lasiopetalum schulzenii</i>	Drooping Velvet-bush			
<i>Rhaqodia candolleana</i> ssp. <i>candolleana</i>	Sea-berry Saltbush			
<i>Austrostipa</i> sp.	Spear-grass			
<i>Pimelea serpyllifolia</i> ssp. <i>serpyllifolia</i>	Thyme Riceflower			
<i>Goodia medicaginea</i>	Western Golden-tip			
<i>Pimelea stricta</i>	Erect Riceflower			
<i>Cassyltha melantha</i>	Coarse Dodder-laurel			
<i>Eucalyptus rugosa</i>	Coastal White Mallee			
<i>Eutaxia microphylla</i>	Common Eutaxia			
<i>Acacia cupularis</i>	Cup Wattle			
<i>Melaleuca lanceolata</i>	Dryland Tea-tree			
<i>Acacia triquetra</i>	Mallee Wreath Wattle			
<i>Alyxia buxifolia</i>	Sea Box			
<i>Acaena novae-zelandiae</i>	Biddy-biddy			
<i>Hibbertia pallidiflora</i>	Round-leaf Guinea-flower			
<i>Muehlenbeckia adpressa</i>	Climbing Lignum			
<i>Lasiopetalum discolor</i>	Coast Velvet-bush			
<i>Adriana quadripartita</i>	Coast Bitter-bush			
<i>Sonchus oleraceus</i>	Common Sow-thistle			*
<i>Anagallis</i> sp.				*
<i>Aira</i> sp.	Hair-grass			*
<i>Rostraria</i> sp.				*
<i>Avena barbata</i>	Bearded Oat			*
<i>Laqurus ovatus</i>	Hare's Tail Grass			*
<i>Catapodium rigidum</i>	Rigid Fescue			*
<i>Asphodelus fistulosus</i>	Onion Weed			*
<i>Hypochaeris radicata</i>	Rough Cat's Ear			*
<i>Scabiosa atropurpurea</i>	Pincushion			*
<i>Acacia cyclops</i>	Western Coastal Wattle			
<i>Briza maxima</i>	Large Quaking-grass			*
<i>Kickxia elatine</i> ssp. <i>elatine</i>	Woolly Toadflax			*
<i>Lolium</i> sp.	Ryegrass			*
<i>Foeniculum vulgare</i>	Fennel			*
<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome			*
<i>Solanum nigrum</i>	Black Nightshade			*
<i>Parapholis incurva</i>	Curly Ryegrass			*



# Vegetation Condition Scores

<b>SITE:</b>	SS3 4a and 4 b
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	KI 0220, cond 3, Eucalyptus diversifolia/rugosa mallee over coastal shrub
<b>SIZE OF SITE (Ha)</b>	0.0358

<b>Native Plant species diversity</b>	
Score the diversity of species present in the site as a proportion to what would be expected in a vegetation of that community in very good condition (approaching a pre-European state)	
<5% (3 Points)	<input type="checkbox"/>
5-10% (6 Points)	<input type="checkbox"/>
11 - 20% (9 Points)	<input type="checkbox"/>
21 - 30% (12 Points)	<input type="checkbox"/>
31 - 40 % (15 Points)	<input type="checkbox"/>
41 - 50% (18 Points)	<input type="checkbox"/>
51 - 60% (21 Points)	<input checked="" type="checkbox"/>
61 - 70% (24 Points)	<input type="checkbox"/>
71 - 80% (27 Points)	<input type="checkbox"/>
>80% (30 Points)	<input type="checkbox"/>
<b>Native Plant species diversity score (max score of 30)</b>	<b>21</b>

<b>Weed Scores</b>	
Does the site contain plant species declared under the <i>NRM Act 2004</i> (1.5 points)	<input checked="" type="checkbox"/>
Cover rating for all declared weeds (max of 6)	2
Does the site contain environmental weeds (introduced plants with the capacity to invade and exclude native species from bushland. This typically includes species with a BCM weed threat rating of 3, 4 or 5). (1 Point)	<input checked="" type="checkbox"/>
Cover rating for all environmental weeds (max of 6)	3
<b>Weed Score (max score of 15)</b>	<b>9</b>
<i>Is the community naturally treeless?</i>	<input type="checkbox"/>
<b>Mature Tree Score (max 8)</b>	<b>8</b>
<b>Fallen timber/debris (max 5)</b>	<b>3</b>
<b>Hollow-bearing trees Score (max 5)</b>	<b>0</b>
<b>Tree Canopy Cover Score (max 5)</b>	<b>5</b>

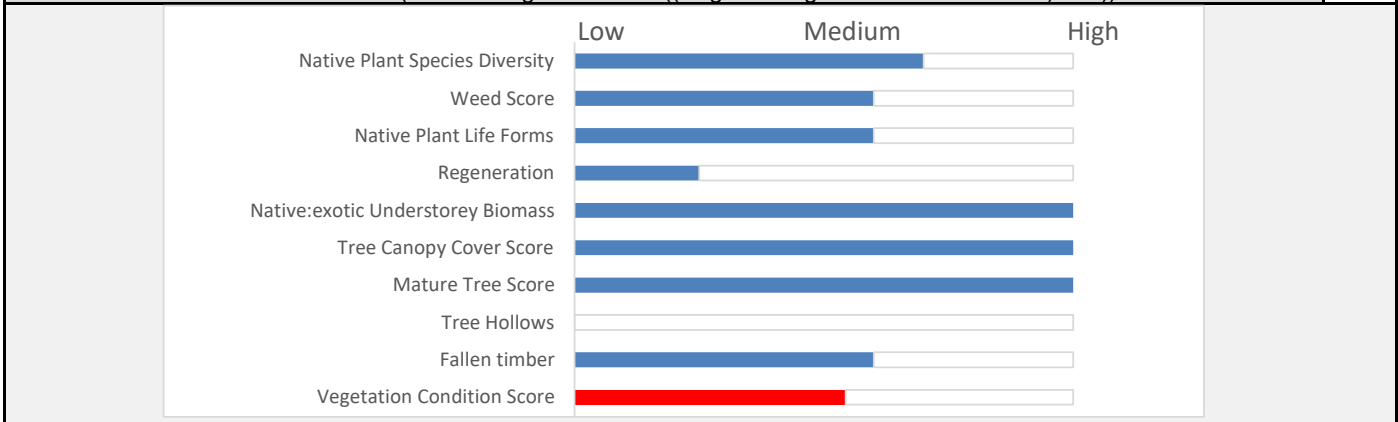
<b>Regeneration</b>	
No regeneration present (0 Points)	<input type="checkbox"/>
Very low regeneration, consisting of highly scattered juvenile plants of a limited number of species (3 points)	<input checked="" type="checkbox"/>
Regeneration present, consisting of multiple individual juvenile plants but a limited number of species (6 points)	<input type="checkbox"/>
Multiple species regenerating, but low numbers of juvenile plants (9 points)	<input type="checkbox"/>
Multiple species regenerating with multiple individual juveniles present with varying age classes (12 points)	<input type="checkbox"/>
<b>Regeneration Score (Max 12)</b>	<b>3</b>

<b>Native Plant life form</b>	
All strata of vegetation heavily impacted and native vegetation represented by only scattered plants (4 points)	<input type="checkbox"/>
All strata of vegetation impacted with limited structural diversity, largely uniform age classes and reduced vegetation cover (8 points)	<input type="checkbox"/>
At least one strata of vegetation has been impacted, with reduced structural diversity, elements may be missing (such as plant species that provide specific structural features e.g. sedges or mid layer shrubs) and reduce vegetation cover (12 points)	<input checked="" type="checkbox"/>
Limited impacts on native vegetation, with a diversity of structural features and a varied age class, with only a minor loss in structural diversity, vegetation cover or structural elements (16 points)	<input type="checkbox"/>
All strata of vegetation present, little or no sign of disturbance. A variety of life forms and associated age classes present. Vegetation cover near complete (20 points)	<input type="checkbox"/>
<b>Native Plant life form score (max 20)</b>	<b>12</b>

<b>Native:exotic Understorey biomass score (max 5)</b>	<b>5</b>
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## Vegetation Condition Score calculation

<b>Positive Vegetation Attributes Score</b> = Native species diversity + Regeneration + Native Plant Life Forms + Mature Trees + Fallen timber/debris + Hollow-bearing trees	
<i>If the community is naturally treeless this score is multiplied by 1.24</i>	47.00
<b>Negative Vegetation Attributes Score</b> = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)	6.00
<b>VEGETATION CONDITION SCORE</b> (Positive veg attributes x ((Negative vegetation attributes + 60) / 80))	<b>43.48</b>



# Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)	<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)	<input type="checkbox"/>
<i>Note; all sites will score a minimum Conservation Significance Score of 1</i>	
<b>Threatened Community Score</b>	1

Number of Threatened Flora Species recorded for the site (within the site)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species recorded (1 pt each)	1
State <b>Vulnerable</b> species recorded (2.5 pt each)	0
State <b>Endangered</b> recorded (5 pts each)	0
Nationally <b>Vulnerable</b> species recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16pts; 20 or > = 0.2 pts	1
<b>Threatened Flora Score</b>	0.04

Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
<i>*If a species has both a State (NP&amp;W Act) and National (EPBC Act) rating, it's only recorded for its National rating.</i>	
State <b>Rare</b> species observed or locally recorded (1 pt each)	10
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)	2
State <b>Endangered</b> species observed or locally recorded (5 pt each)	2
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)	0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)	3
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	85
<b>Threatened Fauna Score</b>	0.1

<b>CONSERVATION SIGNIFICANCE SCORE</b>	<b>1.14</b>
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Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.08	<b>UNIT BIODIVERSITY SCORE</b>	53.53
VEGETATION CONDITION SCORE	43.48	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.14	<b>(Biodiversity Score x hectares)</b>	1.92

Photo Point and Vegetation Survey Location	Direction of the Photo	
	<b>North</b>	
	<b>GPS Reference</b>	
	Datum	
	Zone (52, 53 or 54)	53
	Easting (6 digits)	748830
	Northing (7 digits)	6029904
	<b>Description</b>	
P2752 WPT 225		

Assessment for Clearance		Approximate hectares required	
Loss Factor	1.0		0.25
Loadings for clearance of protected areas		<b>Economies of Scale factor</b>	0.50
Reductions for rehabilitation of impact site		<b>Mean Annual rainfall for the site (mm)</b>	576
<b>SEB Points required</b>	<b>2.01</b>	<b>Payment into the fund (GST Exclusive)</b>	<b>\$1,528.65</b>
		<b>Administration fee (GST Inclusive)</b>	<b>\$84.08</b>