

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Calotis multicaulis</i>		G2	<2% N	0.1
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M2	<2% T	1.2
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% N	0.1
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% T	0.1
Malvaceae	<i>Hibiscus</i> sp. Gardneri (A.L. Payne PRP 1435)		G1	<2% T	0.3
Fabaceae	<i>Acacia tetragonophylla</i>		M2	<2% T	1.2
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		G2	<2% N	0.05
Crassulaceae	<i>Crassula colorata</i> var. <i>acuminata</i>		G2	<2% N	0.05
Solanaceae	<i>Nicotiana rotundifolia</i>		G2	<2% T	0.2
Poaceae	<i>Trigonella loliiformis</i>		G2	<2% T	prostrate
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		G2	<2% T	0.1
Malvaceae	<i>Sida</i> sp. dark green fruits (S. Van Leeuwen 2260)		G2	<2% T	0.1
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% T	creeper
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% N	prostrate
Brassicaceae	<i>Stenopetalum anfractum</i>		G2	<2% T	0.1
Araliaceae	<i>Trachymene cyanopetala</i>		G2	<2% N	0.05

Site ID:	Q32	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	12/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	485598.60 mE	6880787.99 mN
Landform and slope:	Outcrop, gentle		
Drainage:	Good		
Geology & soil:	Granite, laterite and quartz, brown sand		
Vegetation type:	AuEeBs		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), few trees killed		
Disturbances:	Grazing		
Surface component:			
Substrate:	Boulders (>60 cm) 2 - 10%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Hyalosperma glutinosum</i> subsp. <i>venustum</i>		G2	<2% N	0.1
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Scrophulariaceae	<i>Eremophila exilifolia</i>		G1	2-10%	0.5-1
Scrophulariaceae	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>		G1	<2% T	0.6
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% N	0.2
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% N	prostrate
Goodeniaceae	<i>Velleia hispida</i>		G2	<2% N	0.02
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% N	prostrate
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Goodeniaceae	<i>Velleia hispida</i>		G2	<2% N	0.1
Chenopodiaceae	<i>Sclerolaena densiflora</i>		G2	<2% N	0.05
Poaceae	<i>Aristida contorta</i>		G2	<2% T	0.05
Boryaceae	<i>Borya sphaerocephala</i>		G2	<2% T	0.05
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	0.1
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% N	0.05
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% N	0.3

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia restiacea</i>		G1	<2% N	0.5
Fabaceae	<i>Acacia burkittii</i>		M2	2-10%	1-2
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	prostrate
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% N	0.1
Malvaceae	<i>Abutilon</i> sp.		G2	<2% T	0.1
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% T	0.1

Site ID:	Q33	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	12/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	484468.37 mE	6880783.90 mN
Landform and slope:	Floodplain, negligible		
Drainage:	Good		
Geology & soil:	Orange sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), few trees killed		
Disturbances:	Grazing		
Surface component:			
Substrate:	Fine rocks (2-6 mm) 2-10%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% N	0.1
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% N	0.1
Solanaceae	<i>Solanum lasiophyllum</i>		G1	<2% T	0.25
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G1	<2% N	0.1
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2.5
Fabaceae	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		M1	2-10%	2
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% N	0.4
Portulacaceae	<i>Portulaca oleracea</i>		G2	<2% N	prostrate
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.05
Asteraceae	<i>Hyalosperma glutinosum</i> subsp. <i>venustum</i>		G2	<2% N	0.05
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% N	0.1
Scrophulariaceae	<i>Eremophila exilifolia</i>		M2	<2% N	1.4
Poaceae	<i>Trigonella loliiformis</i>		G2	<2% T	0.05
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% N	prostrate

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Chenopodiaceae	<i>Sclerolaena densiflora</i>		G2	<2% N	0.1
Fabaceae	<i>Acacia burkittii</i>		M2	<2% T	2
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M2	<2% N	1.3
Brassicaceae	<i>Lepidium oxytrichum</i>		G2	<2% N	0.05
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M2	<2% T	2
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	prostrate
Fabaceae	<i>Acacia aneura</i>		M2	<2% T	1.6
Chenopodiaceae	<i>Maireana triptera</i>		G1	<2% T	0.6
Malvaceae	<i>Abutilon</i> sp.		G1	<2% T	0.6
Chenopodiaceae	<i>Maireana planifolia</i>		G1	<2% T	0.4
Malvaceae	<i>Sida ectogama</i>		M2	<2% N	1.4
Loranthaceae	<i>Lysiana casuarinae</i>		M1	<2% T	creeper
Chenopodiaceae	<i>Rhagodia drummondii</i>		M2	<2% N	1
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		G1	<2% T	0.3
Convolvulaceae	<i>Rhyncharrhena linearis</i>		G1	<2% T	creeper
Amaranthaceae	<i>Ptilotus nobilis</i>		G2	<2% T	0.2
Malvaceae	<i>Sida calyxhymenia</i>		G1	<2% T	0.4

Site ID:	Q34	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	12/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	479702.59 mE	6878383.72 mN
Landform and slope:	BIF, mid-slope, gentle		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	ArrTdHc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Cobbly/Cobbles (6-20 cm) <2%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% N	0.1
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M1	2-10%	2-3
Scrophulariaceae	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>		M2	<2% N	1-1.5
Amaranthaceae	<i>Ptilotus drummondii</i>		G1	<2% N	0.3
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% N	0.1
Brassicaceae	<i>Stenopetalum anfractum</i>		G2	<2% N	0.1
Goodeniaceae	<i>Velleia hispida</i>		G2	<2% N	0.05
Asteraceae	<i>Dielitzia tysonii</i>		G2	<2% N	prostrate
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% T	0.4
Fabaceae	<i>Acacia incurvaneura</i>		M1	2-10%	4
Scrophulariaceae	<i>Eremophila clarkei</i>		M2	<2% T	1-1.2
Lamiaceae	<i>Teucrium teucriiflorum</i>		G1	<2% T	1
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1-1.5
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% T	creeper
Myrtaceae	<i>Aluta aspera subsp. hesperia</i>		G1	<2% T	1
Malvaceae	<i>Sida ectogama</i>		G2	<2% T	0.1

Site ID:	Q35	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	12/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	480525.80 mE	6877455.31 mN
Landform and slope:	BIF, mid-slope, gentle		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	AtEgCd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), few tees killed		
Disturbances:	Grazing		
Surface component:			
Substrate:	Cobbly/Cobbles (6-20 cm) <2%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Geraniaceae	<i>Erodium cygnorum</i>		G1	<2% N	0.1
Fabaceae	<i>Acacia umbraculiformis</i>		M1	2-10%	2-3
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% N	0.3
Goodeniaceae	<i>Velleia hispida</i>		G2	<2% N	0.05
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Brassicaceae	<i>Stenopetalum anfractum</i>		G2	<2% N	0.1
Scrophulariaceae	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>		G1	<2% T	1
Scrophulariaceae	<i>Eremophila galeata</i>		G1	<2% T	1
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% N	0.1
Chenopodiaceae	<i>Sclerolaena densiflora</i>		G2	<2% N	0.05
Fabaceae	<i>Acacia grasbyi</i>		M2	<2% T	1-2
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	0.1
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	prostrate
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% N	0.05

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Gnephosis brevifolia</i>		G2	<2% N	0.05
Amaranthaceae	<i>Ptilotus drummondii</i>		G2	<2% N	0.2
Chenopodiaceae	<i>Maireana carosa</i>		G2	<2% T	Prostrate
Fabaceae	<i>Acacia tetragonophylla</i>		M2	<2% T	2
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	0.1
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M2	2-10%	1-2
Malvaceae	<i>Sida ectogama</i>		G1	<2% T	0.8
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		G2	<2% T	0.01
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% T	creeper

Site ID:	Q36	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	13/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	480819.13 mE	6880642.25 mN
Landform and slope:	Floodplain, negligible		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), few trees killed		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Lawrencella davenportii</i>		G2	2-10%	0.1
Asteraceae	<i>Helipterum craspedioides</i>		G2	2-10%	0.1
Geraniaceae	<i>Erodium cygnorum</i>		G2	2-10%	0.1
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% N	0.2
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% N	0.1
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% N	0.02
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M2	2-10%	2
Asteraceae	<i>Calotis multicaulis</i>		G2	<2% N	0.05
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M1	30-10%	4
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% T	creeper
Goodeniaceae	<i>Velleia rosea</i>		G2	<2% T	0.1
Fabaceae	<i>Acacia aptaneura</i>		M2	<2% T	1.1
Asteraceae	<i>Podolepis lessonii</i>		G2	<2% N	0.1
Poaceae	<i>Poaceae</i> sp.		G2	<2% T	0.05
Amaranthaceae	<i>Ptilotus obovatus</i>		G2	<2% T	0.1

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Colchicaceae	<i>Wurmbea</i> sp. Payne's Find (C.J. French 1237)		G2	<2% N	0.02
Brassicaceae	<i>Menkea australis</i>		G2	<2% N	prostrate
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M2	2-10%	1.2
Solanaceae	<i>Solanum</i> sp.		G2	<2% T	prostrate
Fabaceae	<i>Acacia fusca</i>		U1	2-10%	5
Montiaceae	<i>Calandrinia</i> sp. Bungalbin (G.J. Keighery & N. Gibson 1656)		G2	<2% N	0.01

Site ID:	Q37	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	11/10/2018	Described by:	GHD
Co-ordinates:	MGA 50J	480802.16 mE	6876591.06 mN
Landform and slope:	Plain, negligible		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	AEgRc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Sparse		
Wood litter:	Sparse		

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Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% T	0.4
Fabaceae	<i>Acacia tetragonophylla</i>		M2	<2% T	1-2
Chenopodiaceae	<i>Maireana carmosa</i>		G2	<2% N	0.05
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% N	0.1
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% T	prostrate
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% N	0.1
Brassicaceae	<i>Stenopetalum anfractum</i>		G2	<2% N	0.1
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		G1	<2% T	0.7
Lamiaceae	<i>Teucrium teucriiflorum</i>		G1	<2% T	0.6
Scrophulariaceae	<i>Eremophila galeata</i>		M1	<2% T	3
Fabaceae	<i>Acacia caesaneura</i> (narrow phyllode variant)		M1	10-30%	2-3
Scrophulariaceae	<i>Eremophila galeata</i>		M2	<10%	1-2
Fabaceae	<i>Acacia craspedocarpa</i> (hybrid)		M2	<2% T	1.7
Malvaceae	<i>Sida ectogama</i>		G1	<2% T	1
Chenopodiaceae	<i>Sclerolaena densiflora</i>		G2	<2% T	0.05

Site ID:	Q38	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	12/10/2018	Described by:	GHD
Co-ordinates:	MGA 50J	478943.02 mE	6878947.17 mN
Landform and slope:	Hill crest, moderate		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	ArrTdHc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Cobbly/Cobbles (6-20 cm) 2–10%		
Leaf litter:	Negligible		
Wood litter:	Sparse		

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Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Myrtaceae	<i>Thryptomene decussata</i>		M2	2-10%	1-2
Fabaceae	<i>Acacia umbraculiformis</i>		M1	2-10%	2
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.05
Asteraceae	<i>Hyalosperma glutinosum</i> subsp. <i>glutinosum</i>		G2	<2% N	0.05
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% N	creeper
Goodeniaceae	<i>Goodenia occidentalis</i>		G2	<2% N	0.05
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% T	0.05
Scrophulariaceae	<i>Eremophila latrobei</i> subsp. warty leaves (M. Officer 230)		G1	<2% T	0.6
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M2	<2% T	1.5
Rutaceae	<i>Philotheca brucei</i> subsp. <i>brucei</i>		M2	<2% T	1.3
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M1	2-10%	2
Scrophulariaceae	<i>Eremophila galeata</i>		M2	<2% T	1.4
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% T	0.3
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	prostrate
Amaranthaceae	<i>Ptilotus helipteroides</i>		G2	<2% T	0.2
Euphorbiaceae	<i>Euphorbia boophthona</i>		G2	<2% T	0.2
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% T	0.01
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	0.05
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% T	prostrate
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% T	0.05

Site ID:	Q39	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	13/10/2018	Described by:	GHD
Co-ordinates:	MGA 50J	479933.05 mE	6878583.99 mN
Landform and slope:	BIF, plain, negligible		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	AEgRc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), few trees killed		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Negligible		
Wood litter:	Sparse		

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Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Scrophulariaceae	<i>Eremophila galeata</i>		M2	<2% T	1-2
Amaranthaceae	<i>Ptilotus helipteroides</i>		G1	<2% T	0.2
Scrophulariaceae	<i>Eremophila punicea</i>		G1	<2% T	0.5
Chenopodiaceae	<i>Maireana carosa</i>		G2	<2% N	prostrate
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% N	0.05
Goodeniaceae	<i>Goodenia occidentalis</i>		G2	<2% N	0.05
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Fabaceae	<i>Acacia pteraneura</i>		G1	<2% T	0.3
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M2	<2% T	1.5
Fabaceae	<i>Acacia fusca</i>		U1	2-10%	3
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		G2	<2% T	0.2
Fabaceae	<i>Acacia pteraneura</i>		M1	2-10%	2.5

Site ID:	Q40	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	11/10/2018	Described by:	GHD
Co-ordinates:	MGA 50J	481564.94 mE	6876043.81 mN
Landform and slope:	Drainage line, gentle		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	AbCaPd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		

No photograph – SD memory card error.

Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia burkittii</i>		M2	2-10%	1.0-2.0
Asteraceae	<i>Pluchea dentex</i>		G1	<2% T	0.3
Fabaceae	<i>Acacia tetragonophylla</i>		M2	2-10%	1.0-2.0
Fabaceae	<i>Senna artemisioides</i> subsp. <i>filifolia</i>		G1	<2% T	0.8
Malvaceae	<i>Sida ectogama</i>		G1	<2% T	0.8
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	0.1
Scrophulariaceae	<i>Eremophila galeata</i>		M1	<2% T	2.0
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% T	0.3
Lamiaceae	<i>Prostanthera campbellii</i>		M2	<2% T	1.2
Goodeniaceae	<i>Goodenia berardiana</i>		G2	<2% N	0.1
Malvaceae	<i>Sida ectogama</i>		G1	<2% T	0.7
Amaranthaceae	<i>Ptilotus aevroides</i>		G2	<2% T	Prostrate
Primulaceae	<i>Lysimachia arvensis</i>	*	G2	<2% T	0.1
Araliaceae	<i>Trachymene cyanopetala</i>		G2	<2% T	0.1
Convolvulaceae	<i>Duperreya sericea</i>		M1	<2% T	creeper
Fabaceae	<i>Acacia fuscaneura</i>		U1	10-30%	6
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		G1	<2% T	0.5
Euphorbiaceae	<i>Euphorbia drummondii</i>		G2	<2% T	prostrate
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2-3
Malvaceae	<i>Abutilon cryptopetalum</i>		G1	<2% T	0.2
Euphorbiaceae	<i>Euphorbia boophthona</i>		G1	<2% T	0.2
Poaceae	<i>Cymbopogon ambiguus</i>		G1	<2% T	0.5
Fabaceae	<i>Acacia burkittii</i>		M2	2-10%	1.0-2.0
Asteraceae	<i>Pluchea dentex</i>		G1	<2% T	0.3
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Rhodanthe propinqua</i>		G2	<2% N	0.1

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Calotis multicaulis</i>		G2	<2% N	0.1
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% N	0.1

Site ID:	Q41	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	13/10/2018	Described by:	GHD
Co-ordinates:	MGA 50J	481199.61 mE	6877426.53 mN
Landform and slope:	Floodplain, drainage depression, negligible		
Drainage:	Poor		
Geology & soil:	Brown sand		
Vegetation type:	AeFsEd		
Vegetation condition:	Very Good		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Sparse		
Wood litter:	Sparse		

No photograph – SD memory card error.

Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia eremaea</i>		M1	2-10%	2-3
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% N	0.4
Frankeniaceae	<i>Frankenia setosa</i>		G2	2-10%	0.2
Chenopodiaceae	<i>Maireana carmosa</i>		G2	<2% N	0.05
Asteraceae	<i>Cephalipterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Gnephosis brevifolia</i>		G2	<2% N	0.05
Chenopodiaceae	<i>Sclerolaena densiflora</i>		G2	<2% N	0.1
Chenopodiaceae	<i>Rhagodia eremaea</i>		G1	<2% T	0.5
Chenopodiaceae	<i>Maireana triptera</i>		G1	<2% T	0.3
Scrophulariaceae	<i>Eremophila galeata</i>		G1	<2% T	0.4
Crassulaceae	<i>Crassula colorata</i> var. <i>acuminata</i>		G2	<2% N	0.05
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% N	prostrate
Convolvulaceae	<i>Cuscuta epithimum</i>	*	G2	<2% T	0.05
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	0.2
Fabaceae	<i>Acacia pteranura</i>		G1	<2% T	0.4
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% T	prostrate
Poaceae	<i>Eragrostis dielsii</i>		G2	<2% N	prostrate
Amaranthaceae	<i>Ptilotus aevoides</i>		G2	<2% T	prostrate
Fabaceae	<i>Acacia tetragonophylla</i>		G1	<2% T	1
Chenopodiaceae	<i>Sclerolaena eriantha</i>		G2	<2% T	0.1
Chenopodiaceae	<i>Maireana tomentosa</i>		G2	<2% T	0.2

Site ID:	Q42	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2017	Described by:	GHD
Co-ordinates:	MGA 50J	481499.10 mE	6876822.40 mN
Landform and slope:	Plain, negligible		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	Mosaic between APoEc and AeFsEd		
Vegetation condition:	Very Good		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M1	10-30%	2.1
Chenopodiaceae	<i>Rhagodia eremaea</i>		M3	2-10%	0.6
Fabaceae	<i>Acacia burkittii</i>		M2	2-10%	1.5
Amaranthaceae	<i>Ptilotus obovatus</i>		M3	2-10%	0.6
Solanaceae	<i>Solanum lasiophyllum</i>		M3	2-10%	0.3
Chenopodiaceae	<i>Rhagodia drummondii</i>		M3	2-10%	0.4
Asteraceae	<i>Cephalopterum drummondii</i>		G1	2-10%	0.1
Asteraceae	<i>Podolepis capillaris</i>		G1	<2% N	0.1
Asteraceae	<i>Hyalosperma glutinosum</i> subsp. <i>venustum</i>		G1	<2% T	0.1
Geraniaceae	<i>Erodium cygnorum</i>		G1	<2% T	0.05
Chenopodiaceae	<i>Sclerolaena cuneata</i>		G1	<2% N	0.1
Campanulaceae	<i>Wahlenbergia tumidifructa</i>		G1	<2% N	0.2
Asteraceae	<i>Pogonolepis muelleriana</i>		G1	<2% T	0.01
Amaranthaceae	<i>Ptilotus aevoides</i>		G1	<2% T	0.01
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G1	<2% T	0.1

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Montiaceae	<i>Calandrinia granulifera</i>		G1	<2% T	0.1
Asteraceae	<i>Lemooria burkittii</i>		G1	<2% T	0.1
Chenopodiaceae	<i>Sclerolaena diacantha</i>		G1	<2% T	0.2
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G1	<2% N	0.1
Asteraceae	<i>Chthonocephalus pseudevax</i>		G1	<2% N	0.05
Fabaceae	<i>Acacia grasbyi</i>		M3	2-10%	0.3
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	0.05

Site ID:	Q43	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2016	Described by:	GHD
Co-ordinates:	MGA 50J	480638.93 mE	6878366.22 mN
Landform and slope:	Plain, negligible		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia caesaneura</i>		U1	10-30%	3
Fabaceae	<i>Acacia tetragonophylla</i>		M1	10-30%	2.3
Fabaceae	<i>Senna charlesiana</i>		M1	2-10%	2.5
Fabaceae	<i>Acacia pteraneura</i>		U1	10-30%	3.4
Fabaceae	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		M1	2-10%	2.4
Proteaceae	<i>Grevillea deflexa</i>		M2	2-10%	0.5
Amaranthaceae	<i>Ptilotus obovatus</i>		M2	2-10%	0.6
Scrophulariaceae	<i>Eremophila galeata</i>		M2	2-10%	0.6
Lamiaceae	<i>Teucrium teucriiflorum</i>		M2	<2% T	0.5
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		M2	2-10%	0.4
Malvaceae	<i>Abutilon oxycarpum</i>		M2	2-10%	0.3
Solanaceae	<i>Solanum lasiophyllum</i>		M2	2-10%	0.4
Urticaceae	<i>Parietaria cardiostegia</i>		G1	<2% N	0.2
Montiaceae	<i>Calandrinia remota</i>		G1	<2% N	0.01

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Podolepis capillaris</i>		G1	<2% T	0.1
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G1	<2% T	0.1
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G1	<2% T	0.2
Geraniaceae	<i>Erodium cygnorum</i>		G1	<2% T	0.15
Montiaceae	<i>Calandrinia granulifera</i>		G1	<2% T	0.01

Site ID:	Q44	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2014	Described by:	GHD
Co-ordinates:	MGA 50J	478801.46 mE	6878493.45 mN
Landform and slope:	Mid-slope, gentle		
Drainage:	Poor		
Geology & soil:	Laterite and quartz, brown sand		
Vegetation type:	AtEgCd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia pteraneura</i>		M1	2-10%	3
Fabaceae	<i>Acacia tetragonophylla</i>		M2	2-10%	1.9
Fabaceae	<i>Acacia speckii</i>	P4	M3	2-10%	0.6
Scrophulariaceae	<i>Eremophila galeata</i>		M3	2-10%	0.6
Amaranthaceae	<i>Ptilotus obovatus</i>		M3	2-10%	0.4
Scrophulariaceae	<i>Eremophila longifolia</i>		M2	2-10%	1.2
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% N	0.15
Solanaceae	<i>Solanum lasiophyllum</i>		M3	<2% T	0.15
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	0.1
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.2
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% N	0.1
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	0.01
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% N	0.02
Poaceae	<i>Aristida contorta</i>		G1	<2% T	0.1
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	0.05

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Chenopodiaceae	<i>Maireana carosa</i>		G2	<2% T	0.05
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% T	0.08
Chenopodiaceae	<i>Sclerolaena cuneata</i>		G2	<2% T	0.1
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% N	0.01
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	0.01
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Calotis multicaulis</i>		G2	<2% T	0.2
Amaranthaceae	<i>Ptilotus helipteroides</i>		G2	<2% T	0.1
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% T	0.01
Lamiaceae	<i>Hemigenia tomentosa</i>		G2	<2% T	0.1
Chenopodiaceae	<i>Sclerolaena densiflora</i>		G2	<2% T	0.1

Site ID:	Q45	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2015	Described by:	GHD
Co-ordinates:	MGA 50J	481595.99 mE	6878724.61 mN
Landform and slope:	Plain, negligible		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia grasbyi</i>		M1	2-10%	2.3-2.6
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2.1-2.4
Fabaceae	<i>Acacia burkittii</i>		M1	2-10%	2.4
Fabaceae	<i>Acacia ramulosa</i> (hybrid)		M2	2-10%	1.6
Proteaceae	<i>Grevillea deflexa</i>		G1	2-10%	0.4-0.7
Solanaceae	<i>Solanum lasiophyllum</i>		G1	2-10%	0.3-0.8
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	10-30%	0.4
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		G2	2-10%	0.1-0.2
Fabaceae	<i>Mirbelia ramulosa</i>		G1	2-10%	0.9
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% N	0.1-0.15
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	2-10%	prostrate
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% N	0.05

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Rhodanthe citrina</i>		G2	<2% N	0.1
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% T	0.02
Chenopodiaceae	<i>Maireana planifolia</i>		G2	<2% N	prostrate
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% N	0.1
Chenopodiaceae	<i>Maireana camosa</i>		G2	<2% T	prostrate
Chenopodiaceae	<i>Enchylaena tomentosa</i>		G1	<2% T	0.2-0.5
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% T	prostrate
Malvaceae	<i>Sida calyxhymenia</i>		G1	<2% T	0.4
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M1	2-10%	2
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1.3
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	2-10%	0.02

Site ID:	Q46	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2012	Described by:	GHD
Co-ordinates:	MGA 50J	483836.41 mE	6880456.39 mN
Landform and slope:	Plain, negligible		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	AeFsEd		
Vegetation condition:	Very Good		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia ermaea</i>		M1	10-30%	2.6-3
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2.4
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	2-10%	0.4-0.6
Solanaceae	<i>Solanum lasiophyllum</i>		G1	2-10%	0.3-0.5
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		G1	2-10%	0.4
Chenopodiaceae	<i>Maireana tomentosa</i>		G1	<2% T	0.4
Chenopodiaceae	<i>Maireana planifolia</i>		G1	10-30%	0.2-0.4
Frankeniaceae	<i>Frankenia setosa</i>		G1	30-70%	0.2-0.5
Chenopodiaceae	<i>Maireana tomentosa</i>		G2	2-10%	0.15
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% N	prostrate
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Chenopodiaceae	<i>Maireana camosa</i>		G2	2-10%	prostrate
Asteraceae	<i>Cephalipterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% N	0.1

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Chenopodiaceae	<i>Sclerolaena cuneata</i>		G2	<2% N	0.05
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% N	prostrate
Montiaceae	<i>Calandrinia ptychosperma</i>		G2	<2% N	prostrate
Poaceae	<i>Aristida contorta</i>		G2	<2% T	0.1
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Aizoaceae	<i>Tetragonia cristata</i>		G2	<2% T	0.2
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% T	0.1
Poaceae	<i>Eragrostis dielsii</i>		G2	<2% T	prostrate
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% N	0.1-0.2
Chenopodiaceae	<i>Rhagodia eremaea</i>		G1	2-10%	0.8
Poaceae	<i>Cymbopogon ambiguus</i>		G2	<2% T	0.2
Solanaceae	<i>Nicotiana rotundifolia</i>		G2	<2% T	0.3
Asteraceae	<i>Gnephosis brevifolia</i>		G2	<2% T	0.1
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		G2	<2% T	0.05
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% T	prostrate
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% T	prostrate

Site ID:	Q47	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	8/08/2019	Described by:	GHD
Co-ordinates:	MGA 50J	486437.29 mE	6881347.31 mN
Landform and slope:	Lower slope, gentle		
Drainage:	Poor		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Santalaceae	<i>Santalum lanceolatum</i>		U1	2-10%	4
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>		M1	10-30%	2.2-2.4
Fabaceae	<i>Acacia eremaea</i>		M1	10-30%	2.8
Fabaceae	<i>Acacia multispicata</i>		M1	2-10%	2.7
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1.1- 1.2
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1.0-1.3
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	2-10%	0.5-0.7
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	0.2-0.4
Chenopodiaceae	<i>Rhagodia eremaea</i>		G1	<2% T	0.7
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M2	<2% T	1.9
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		M2	2-10%	1.9
Frankeniaceae	<i>Frankenia setosa</i>		G2	10-30%	0.3
Malvaceae	<i>Sida calyxhymenia</i>		G1	<2% T	0.8
Fabaceae	<i>Acacia tetragonophylla</i>		M2	<2% T	1
Chenopodiaceae	<i>Sclerolaena planifolia</i>		G2	<2% T	0.3

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% N	0.1-15
Chenopodiaceae	<i>Sclerolaena densiflora</i>		G2	<2% N	0.2
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% N	0.02
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1-0.15
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% N	prostrate
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Chenopodiaceae	<i>Sclerolaena diacantha</i>		G2	<2% N	0.1
Asteraceae	<i>Gnephosis brevifolia</i>		G2	2-10%	0.05
Asteraceae	<i>Rhodanthe citrina</i>		G2	<2% N	0.05-0.1
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	prostrate
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% T	0.1
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% T	0.2
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	prostrate
Goodeniaceae	<i>Goodenia ?pinnatifida</i>		M2	<2% T	1.3

Site ID:	Q48	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	8/08/2019	Described by:	GHD
Co-ordinates:	MGA 50J	484663.15 mE	6882559.40 mN
Landform and slope:	Lower slope, gentle		
Drainage:	Poor		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), minor impact		
Disturbances:	Grazing		
Surface component:			
Substrate:	Cobbly/Cobbles (6-20 cm) <2%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia burkittii</i>		M1	10-30%	2.2
Fabaceae	<i>Acacia craspedocarpa</i> (hybrid)		M1	10-30%	2.1-2.4
Scrophulariaceae	<i>Eremophila exilifolia</i>		M1	30-70%	0.8-2.1
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2.2
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1.8
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	2-10%	0.5
Solanaceae	<i>Solanum lasiophyllum</i>		G1	<2% T	0.3-07
Fabaceae	<i>Acacia speckii</i>	P4	M2	2-10%	1.9
Fabaceae	<i>Acacia umbraculiformis</i>		M2	2-10%	1.8
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Hyalosperma cotula</i>		G2	<2% N	0.1
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% N	0.1
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% T	0.1
Asteraceae	<i>Rhodanthe citrina</i>		G2	<2% T	0.08
Chenopodiaceae	<i>Sclerolaena fusiformis</i>		G2	<2% T	0.15

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% T	0.03
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	prostrate
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	2-10%	prostrate
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	prostrate
Pteridaceae	<i>Cheilanthes ?adiantoides</i>		G2	<2% T	0.02
Droseraceae	<i>Drosera andersoniana</i>		G2	<2% T	prostrate
Poaceae	<i>Trigonella loliiformis</i>		G2	<2% N	0.03
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% T	0.1
Poaceae	<i>Aristida contorta</i>		G2	<2% T	0.01

Site ID:	Q49	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	8/08/2019	Described by:	GHD
Co-ordinates:	MGA 50J	484202.47 mE	6882883.04 mN
Landform and slope:	Plain, negligible		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 30-70%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia ermaea</i>		M1	10-30%	2.1-2.3
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2
Fabaceae	<i>Senna charlesiana</i>		M2	2-10%	1.1
Fabaceae	<i>Senna</i> sp. Austin (A. Strid 20210)		M2	2-10%	1.0-1.2
Fabaceae	<i>Acacia burkittii</i>		M2	2-10%	1.8
Goodeniaceae	<i>Scaevola spinescens</i>		G1	<2% T	0.7
Solanaceae	<i>Solanum lasiophyllum</i>		G1	<2% T	0.8
Chenopodiaceae	<i>Rhagodia ermaea</i>		M2	2-10%	1.1
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	2-10%	0.4-0.6
Chenopodiaceae	<i>Enchylaena tomentosa</i>		G1	2-10%	0.7
Chenopodiaceae	<i>Sclerolaena diacantha</i>		G2	<2% T	0.1
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% N	prostrate
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	prostrate
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% T	0.2
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% N	1

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% T	prostrate
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Rhodanthe citrina</i>		G2	<2% T	0.08
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	prostrate
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M2	<2% T	1.1
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% T	0.12

Site ID:	Q50	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	8/08/2019	Described by:	GHD
Co-ordinates:	MGA 50J	478073.66 mE	6880807.28 mN
Landform and slope:	Plain, negligible		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2.3
Fabaceae	<i>Acacia grasbyi</i>		M1	2-10%	2.1-2.3
Fabaceae	<i>Acacia ramulosa</i> (hybrid)		M1	10-30%	2-2.5
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M2	2-10%	1.4-1.8
Lamiaceae	<i>Teucrium teucriiflorum</i>		M2	2-10%	1
Scrophulariaceae	<i>Eremophila lachnocalyx</i>		G1	2-10%	0.6-0.9
Solanaceae	<i>Solanum lasiophyllum</i>		G1	<2% T	0.4
Fabaceae	<i>Senna charlesiana</i>		M2	<2% T	1.6
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		G1	<2% T	0.6-0.9
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	2-10%	0.4-0.8
Malvaceae	<i>Abutilon oxycarpum</i>		G2	<2% T	0.15
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	10-30%	prostrate
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% T	0.02

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Convolvulaceae	<i>Cuscuta epithymum</i>	*	G2	<2% T	climbing
Amaranthaceae	<i>Ptilotus aevroides</i>		G2	<2% T	prostrate
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.05-0.1
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	0.05
Asteraceae	<i>Rhodanthe citrina</i>		G2	<2% T	0.05-0.1
Chenopodiaceae	<i>Maireana planifolia</i>		G2	<2% T	prostrate
Pteridaceae	<i>Cheilanthes ?adiantoides</i>		G2	<2% N	0.02-0.05
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	2-10%	prostrate
Fabaceae	<i>Acacia caesaneura</i>		M2	2-10%	1.2
Asteraceae	<i>Cephalipterum drummondii</i>		G2	<2% T	0.07
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% T	0.1
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% T	0.1
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% T	0.12
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		G2	<2% T	0.13
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% T	0.1

Site ID:	Q51	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	8/08/2019	Described by:	GHD
Co-ordinates:	MGA 50J	478910.67 mE	6880312.22 mN
Landform and slope:	Plain, negligible		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia burkittii</i>		M1	2-10%	2.1
Malvaceae	<i>Brachychiton gregorii</i>		U1	2-10%	2.3
Fabaceae	<i>Acacia grasbyi</i>		M1	10-30%	2.1-2.3
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M1	2-10%	2.1
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1.3
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		G1	<2% T	0.8
Solanaceae	<i>Solanum lasiophyllum</i>		G1	2-10%	0.5-0.6
Geraniaceae	<i>Erodium cygnorum</i>		G2	10-30%	0.02
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Chthonocephalus pseudevax</i>		G2	<2% N	prostrate
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% N	0.05
Asteraceae	<i>Podolepis capillaris</i>		G2	<2% T	0.12
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	0.06
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	2-10%	prostrate
Fabaceae	<i>Acacia craspedocarpa</i> (hybrid)		M1	2-10%	2.5

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Poaceae	<i>Thyridolepis ?mitchelliana</i>		G2	<2% T	0.4
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	prostrate

Site ID:	Q52	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2019	Described by:	GHD
Co-ordinates:	MGA 50J	487036.42 mE	6878312.96 mN
Landform and slope:	Outcrop, gentle		
Drainage:	Poor		
Geology & soil:	Granite, brown sand		
Vegetation type:	AuEeBs		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Boulders (>60 cm) 31-70%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia rhodophloia</i>		M1	10-30%	2.1-2.2
Fabaceae	<i>Acacia exocarpoides</i>		M2	2-10%	1.1
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1.0-1.4
Malvaceae	<i>Abutilon cryptopetalum</i>		G1	2-10%	0.5-0.8
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% N	0.3-0.5
Boryaceae	<i>Borya sphaerocephala</i>		G2	<2% T	0.05
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% T	0.05
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		G2	<2% T	0.05
Montiaceae	<i>Calandrinia Ptychosperma</i>		G2	<2% T	prostrate
Asteraceae	<i>Lemooria burkittii</i>		G2	2-10%	prostrate
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	2-10%	prostrate
Poaceae	<i>Thyridolepis ?mitchelliana</i>		G2	<2% T	0.05
Asteraceae	Asteraceae sp.		G2	<2% T	0.05
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	0.03
Proteaceae	<i>Hakea recurva</i> subsp. <i>arida</i>		G1	2-10%	0.7

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		G2	<2% T	0.3
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		G1	<2% T	0.7
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	<2% T	0.1
Asteraceae	<i>Hyalosperma glutinosum</i> subsp. <i>venustum</i>		G2	<2% T	0.1

Site ID:	Q53	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	10/08/2019	Described by:	GHD
Co-ordinates:	MGA 50J	488520.63 mE	6878897.78 mN
Landform and slope:	Drainage line, moderate		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	AbCaPd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 2-10%		
Leaf litter:	Moderate		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia tetragonophylla</i>		M1	10-30%	2.1-2.4
Fabaceae	<i>Acacia burkittii</i>		M1	30-70%	2.1-2.5
Fabaceae	<i>Senna charlesiana</i>		M2	2-10%	1.3-1.6
Fabaceae	<i>Acacia craspedocarpa</i> (hybrid)		M1	10-30%	2.5
Malvaceae	<i>Sida calyxhymenia</i>		M2	2-10%	1.0-1.5
Scrophulariaceae	<i>Eremophila clarkei</i>		M2	2-10%	1.0-1.5
Asteraceae	<i>Pluchea dentex</i>		G1	2-10%	0.4-0.9
Poaceae	<i>Cymbopogon ambiguus</i>		G1	2-10%	0.6-0.9
Solanaceae	<i>Solanum lasiophyllum</i>		G2	<2% T	0.3-0.5
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% T	0.6
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		G2	<2% T	0.02-0.15
Boraginaceae	<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>		G2	<2% T	0.2
Convolvulaceae	<i>Duperreya sericea</i>		G2	<2% T	climber
Poaceae	<i>Enneapogon</i> sp.		G1	<2% T	0.5
Fabaceae	<i>Swainsona paucifoliolata</i>		G1	<2% T	0.6

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% T	0.1
Asteraceae	<i>Hyalosperma glutinosum</i> subsp. <i>glutinosum</i>		G2	<2% T	0.12
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	0.04
Euphorbiaceae	<i>Euphorbia drummondii</i>		G2	<2% T	Prostrate
Solanaceae	<i>Solanum cleistogamum</i>		G2	<2% T	prostrate
Asteraceae	<i>Cephalipterum drummondii</i>		G2	<2% T	0.07
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Rhodanthe propinqua</i>		G2	<2% T	0.1
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% T	0.02
Chenopodiaceae	<i>Rhagodia drummondii</i>		G2	<2% T	0.1
Asteraceae	<i>Pogonolepis muelleriana</i>		G2	2-10%	prostrate
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	<2% T	1.1
Fabaceae	<i>Senna artemisioides</i> subsp. <i>helmsii</i>		M1	<2% T	1.3
Cyperaceae	<i>Cyperus ?alterniflorus</i>		G2	<2% N	0.1

Site ID:	Q54	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	488013.11 mE	6874888.71 mN
Landform and slope:	Plain, negligible		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Malvaceae	<i>Brachychiton gregorii</i>		U1	2-10%	3
Fabaceae	<i>Mirbelia ramulosa</i>		M2	2-10%	1.8
Fabaceae	<i>Acacia caesaneura</i>		M1	2-10%	2
Fabaceae	<i>Acacia caesaneura</i> (narrow phyllode variant)		M1	2-10%	3
Fabaceae	<i>Acacia pteraneura</i>		M1	2-10%	3.5
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	10-30%	1.1- 1.8
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		G1	10-30%	0.9
Hemerocallidaceae	<i>Dianella revoluta</i> var. <i>divaricata</i>		M2	<2% T	1
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		G2	<2% T	0.3
Scrophulariaceae	<i>Eremophila clarkei</i>		M2	<2% T	1
Lamiaceae	<i>Hemigenia tomentosa</i>		G1	<2% T	0.8

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Asteraceae	<i>Lemooria burkittii</i>		G2	2-10%	prostrate
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	2-10%	prostrate
Geraniaceae	<i>Erodium cygnorum</i>		G2	0.02	<2% T
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Asteraceae	<i>Cephalipterum drummondii</i>		G2	<2% T	0.07
Amaranthaceae	<i>Ptilotus drummondii</i>		G2	<2% T	0.08
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% T	0.1
Chenopodiaceae	<i>Maireana planifolia</i>		G2	<2% T	0.06
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% T	0.1
Chenopodiaceae	<i>Maireana planifolia</i>		G2	<2% T	prostrate

Site ID:	Q55	Project:	6137117
Type:	Quadrat	Size:	20 x 20 m
Date:	7/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	488092.52 mE	6870855.72 mN
Landform and slope:	Plain, negligible		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	APoEc		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Sparse		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia caesaneura</i> (narrow phyllode variant)		M1	30-70%	2.5-3
Proteaceae	<i>Grevillea obliquistigma</i> subsp. <i>obliquistigma</i>		M1	2-10%	2.1
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		M2	2-10%	1.1-1.8
Proteaceae	<i>Hakea recurva</i> subsp. <i>arida</i>		G1	<2% T	0.5
Chenopodiaceae	<i>Maireana planifolia</i>		G2	<2% T	0.2-0.3
Chenopodiaceae	<i>Sclerolaena diacantha</i>		G2	<2% T	0.05
Geraniaceae	<i>Erodium cygnorum</i>		G2	<2% N	0.03
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)		G2	<2% T	prostrate
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% T	0.1
Colchicaceae	<i>Wurmbea densiflora</i>		G2	<2% T	prostrate
Asteraceae	<i>Lemooria burkittii</i>		G2	<2% N	prostrate
Asteraceae	<i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>		G2	<2% T	
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	2-10%	0.5
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M1	2-10%	2

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Poaceae	<i>Aristida contorta</i>		G2	<2% T	0.02
Fabaceae	<i>Mirbelia ramulosa</i>		M1	2-10%	2.1

Site ID:	T01	Project:	6137117
Type:	Transect	Size:	40 x 10 m
Date:	7/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	480903.55 mE	6876161.87 mN
Landform and slope:	Drainage line, gentle		
Drainage:	Seasonally wet		
Geology & soil:	Orange loam		
Vegetation type:	AtSePd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Indigofera australis</i>				
Fabaceae	<i>Acacia tetragonophylla</i>				
Poaceae	<i>Austrostipa elegantissima</i>				
Amaranthaceae	<i>Ptilotus obovatus</i>				
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)				
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)				
Asteraceae	<i>Roebuckiella ciliocarpa</i>				
Asteraceae	<i>Cephalipterum drummondii</i>				
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>				
Scrophulariaceae	<i>Eremophila galeata</i>				
Asteraceae	<i>Helipterum craspedioides</i>				
Solanaceae	<i>Solanum lasiophyllum</i>				
Malvaceae	<i>Abutilon</i> sp.				
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>				

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia fuscaneura</i>				
Asteraceae	<i>Podolepis capillaris</i>				
Amaranthaceae	<i>Ptilotus aevoides</i>				
Goodeniaceae	<i>Velleia hispida</i>				
Proteaceae	<i>Hakea recurva</i> subsp. <i>arida</i>				
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>				
Fabaceae	<i>Acacia fuscaneura</i>				
Asteraceae	<i>Podolepis capillaris</i>				
Amaranthaceae	<i>Ptilotus aevoides</i>				
Goodeniaceae	<i>Velleia hispida</i>				
Proteaceae	<i>Hakea recurva</i> subsp. <i>arida</i>				
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>				
Fabaceae	<i>Senna charlesiana</i>				
Rutaceae	<i>Philotheca brucei</i> subsp. <i>brucei</i>				
Fabaceae	<i>Acacia craspedocarpa</i> (hybrid)				
Scrophulariaceae	<i>Eremophila serrulata</i>				
Haloragaceae	<i>Haloragis ?trigonocarpa</i>				
Polygalaceae	<i>Comesperma integerrimum</i>				
Malvaceae	<i>Sida ectogama</i>				
Asteraceae	<i>Pluchea dentex</i>				
Geraniaceae	<i>Erodium cygnorum</i>				
Cyperaceae	<i>Cyperus ?alterniflorus</i>				

Site ID:	T02	Project:	6137117
Type:	Transect	Size:	40 x 10 m
Date:	10/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	488262.55 mE	6879351.51 mN
Landform and slope:	Drainage line, gentle		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	AbCaPd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 31-70%		
Leaf litter:	Sparse		
Wood litter:	Moderate		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Fabaceae	<i>Acacia burkittii</i>		M1	2-10%	2-4
Loranthaceae	<i>Amyema nestor</i>		M1	<2% T	creeper
Cyperaceae	<i>Lepidosperma sp.</i>		G1	2-10%	0.5
Asteraceae	<i>Helipterum craspedioides</i>		G2	<2% N	0.1
Poaceae	<i>Cymbopogon ambiguus</i>		G1	<2% N	0.7
Solanaceae	<i>Solanum lasiophyllum</i>		G1	<2% N	0.4
Scrophulariaceae	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>		M2	<2% N	1.8
Fabaceae	<i>Acacia tetragonophylla</i>		M1	2-10%	2-4
Chenopodiaceae	<i>Rhagodia drummondii</i>		M1	<2% T	0.5
Primulaceae	<i>Lysimachia arvensis</i>	*	G2	<2% N	0.05
Asteraceae	<i>Cephalopterum drummondii</i>		G2	<2% N	0.1
Asteraceae	<i>Pluchea dentex</i>		G1	<2% N	0.4
Convolvulaceae	<i>Duperreya sericea</i>		G1	<2% T	creeper
Malvaceae	<i>Sida ectogama</i>		G1	<2% N	0.8
Asteraceae	<i>Rhodanthe propinqua</i>		G2	<2% N	0.1
Scrophulariaceae	<i>Eremophila exilifolia</i>		G1	<2% T	0.4

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Malvaceae	<i>Abutilon</i> sp.		G1	<2% T	0.3
Fabaceae	<i>Glycine canescens</i>		M2	<2% T	creeper
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>		M1	<2% T	2
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		G2	<2% T	0.6
Fabaceae	<i>Senna charlesiana</i>		G1	<2% N	1
Amaranthaceae	<i>Ptilotus obovatus</i>		G1	<2% T	0.3
Cyperaceae	<i>Cyperus ?alterniflorus</i>		G1	<2% N	0.6
Fabaceae	<i>Glycine canescens</i>		G1	<2% T	creeper
Asteraceae	<i>Roebuckiella ciliocarpa</i>		G2	<2% N	0.1
Pteridaceae	<i>Cheilanthes ?adiantoides</i>		G2	<2% N	0.05
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		G2	<2% N	0.1

Site ID:	T03	Project:	6137117
Type:	Transect	Size:	40 x 10 m
Date:	12/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	478912.01 mE	6878344.51 mN
Landform and slope:	BIF, drainage line, gentle		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	AtSePd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Cobbly/Cobbles (6-20 cm) 2-10%		
Leaf litter:	Negligible		
Wood litter:	Sparse		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Proteaceae	<i>Hakea recurva</i> subsp. <i>arida</i>				
Poaceae	<i>Cymbopogon ambiguus</i>				
Fabaceae	<i>Acacia tetragonophylla</i>				
Fabaceae	<i>Acacia grasbyi</i>				
Amaranthaceae	<i>Ptilotus obovatus</i>				
Fabaceae	<i>Glycine canescens</i>				
Fabaceae	<i>Acacia craspedocarpa</i> (hybrid)				
Fabaceae	<i>Acacia burkittii</i>				
Montiaceae	<i>Calandrinia eremaea</i> (dull-seeded variant)				
Amaranthaceae	<i>Ptilotus chamaecladus</i>	*			
Asteraceae	<i>Roebuckiella ciliocarpa</i>				
Asteraceae	<i>Helipterum craspedioides</i>				
Scrophulariaceae	<i>Eremophila galeata</i>				
Asteraceae	<i>Pluchea dentex</i>				
Convolvulaceae	<i>Rhyncharrhena linearis</i>				

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Malvaceae	<i>Sida</i> sp. dark green fruits (S. Van Leeuwen 2260)				
Scrophulariaceae	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>				
Fabaceae	<i>Acacia craspedocarpa</i>				
Fabaceae	<i>Acacia caesaneura</i> (short phyllode variant)				
Amaranthaceae	<i>Ptilotus helipteroides</i>				
Malvaceae	<i>Abutilon</i> sp.				
Malvaceae	<i>Sida calyxhymenia</i>				
Goodeniaceae	<i>Scaevola spinescens</i>				
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>				
Colchicaceae	<i>Wurmbea densiflora</i>				
Solanaceae	<i>Solanum lasiophyllum</i>				
Hemerocallidaceae	<i>Dianella revoluta</i> var. <i>divaricata</i>				
Brassicaceae	<i>Stenopetalum anfractum</i>				
Malvaceae	<i>Sida ectogama</i>				

Site ID:	T04	Project:	6137117
Type:	Transect	Size:	40 x 10 m
Date:	13/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	482244.40 mE	6874449.15 mN
Landform and slope:	BIF, drainage line, gentle		
Drainage:	Good		
Geology & soil:	Brown sand		
Vegetation type:	AtSePd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Cobbly/Cobbles (6-20 cm) <2%		
Leaf litter:	Negligible		
Wood litter:	Negligible		



Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Amaranthaceae	<i>Ptilotus polystachyus</i>				
Euphorbiaceae	<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>				
Scrophulariaceae	<i>Eremophila galeata</i>				
Fabaceae	<i>Acacia burkittii</i>				
Asteraceae	<i>Pluchea dentex</i>				
Poaceae	<i>Cymbopogon ambiguus</i>				
Amaranthaceae	<i>Ptilotus helipteroides</i>				
Asteraceae	<i>Roebuckiella ciliocarpa</i>				
Asteraceae	<i>Senecio glossanthus</i>				
Primulaceae	<i>Lysimachia arvensis</i>	*			
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>				
Fabaceae	<i>Indigofera australis</i>				
Asteraceae	<i>Helipterum craspedioides</i>				
Fabaceae	<i>Acacia tetragonophylla</i>				
Goodeniaceae	<i>Goodenia berardiana</i>				
Solanaceae	<i>Solanum lasiophyllum</i>				

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Malvaceae	<i>Sida ectogama</i>				
Convolvulaceae	<i>Cuscuta epithymum</i>				
Asteraceae	<i>Cephalopterum drummondii</i>				
Fabaceae	<i>Senna artemisioides</i> subsp. <i>x sturtii</i>				
Chenopodiaceae	<i>Dysphania melanocarpa</i> forma <i>melanocarpa</i>				
Asteraceae	<i>Podolepis lessonii</i>				
Portulacaceae	<i>Portulaca oleracea</i>				
Fabaceae	<i>Acacia caesaneura</i>				
Poaceae	<i>Trigonella loliiformis</i>				
Amaranthaceae	<i>Ptilotus obovatus</i>				
Fabaceae	<i>Acacia ramulosa</i> var. <i>ramulosa</i>				
Amaranthaceae	<i>Ptilotus nobilis</i>				
Crassulaceae	<i>Crassula colorata</i> var. <i>acuminata</i>				
Brassicaceae	<i>Menkea australis</i>				
Scrophulariaceae	<i>Eremophila oldfieldii</i> subsp. <i>oldfieldii</i>				
Fabaceae	<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>				
Phyllanthaceae	<i>Phyllanthus erwinii</i>				
Solanaceae	<i>Solanum</i> sp.				
Euphorbiaceae	<i>Euphorbia drummondii</i>				
Amaranthaceae	<i>Ptilotus aevoides</i>				
Malvaceae	<i>Sida ectogama</i>				

Site ID:	T05	Project:	6137117
Type:	Transect	Size:	40 m x 10 m
Date:	7/08/2018	Described by:	GHD
Co-ordinates:	MGA 50J	484154.73 mE	6883334.75 mN
Landform and slope:	Drainage line, gentle		
Drainage:	Seasonally wet		
Geology & soil:	Brown sand		
Vegetation type:	AtSePd		
Vegetation condition:	Excellent		
Fire age & intensity:	Old (> 5 years), no damage		
Disturbances:	Grazing		
Surface component:			
Substrate:	Loose soil 11-30%		
Leaf litter:	Sparse		
Wood litter:	Sparse		

No photograph – SD memory card error.

Species List

Family	Taxon	Status	Stratum	Cover (%)	Height (m)
Sapindaceae	<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>				
Malvaceae	<i>Sida ectogama</i>				
Malvaceae	<i>Sida calyxhymenia</i>				
Malvaceae	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)				
Scrophulariaceae	<i>Eremophila clarkei</i>				
Fabaceae	<i>Senna artemisioides</i> subsp. <i>filifolia</i>				
Fabaceae	<i>Acacia tetragonophylla</i>				
Asteraceae	<i>Rhodanthe citrina</i>				
Asteraceae	<i>Cephalopterum drummondii</i>				
Sapindaceae	<i>Dodonaea inaequifolia</i>				
Scrophulariaceae	<i>Eremophila longifolia</i>				
Fabaceae	<i>Acacia burkittii</i>				
Convolvulaceae	<i>Duperreya sericea</i>				
Goodeniaceae	<i>Scaevola spinescens</i>				
Proteaceae	<i>Hakea recurva</i> subsp. <i>recurva</i>				
Fabaceae	<i>Swainsona affinis</i>				
Asteraceae	<i>Pluchea dentex</i>				
Chenopodiaceae	<i>Rhagodia eremaea</i>				
Pteridaceae	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>				
Scrophulariaceae	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>				
Centrolepidaceae	<i>Centrolepis eremica</i>				
Solanaceae	<i>Solanum lasiophyllum</i>				

Flora likelihood of occurrence assessment guidelines

Likelihood of occurrence	Guideline
Known	Species recorded within the survey area from field survey results.
Likely	Species previously recorded within the study area and large areas of suitable habitat occur in the survey area.
Possible	Species previously recorded within the study area and areas of suitable habitat occur/may occur in the survey area.
Unlikely	Species previously recorded within the study area, but suitable habitat does not occur in the survey area.
Highly unlikely	Species not previously recorded within the study area, suitable habitat does not occur in the survey area and/or the survey area is outside the natural distribution of the species.
Other considerations	Intensity of survey, availability of access, growth form type, recorded flowering times, cryptic nature of species

Flora likelihood of occurrence assessment for conservation significant flora

Family	Taxon	Status		Description (WA Herbarium 1998–)	Efficacy of survey	Likelihood of Occurrence	Source
		EPBC Act	BC Act/ DBCA				
Aizoaceae	<i>Gunniopsis divisa</i>		P3	Annual, herb, 0.05 to 0.1 m high. White flowers in August. Grows in loam and quartz. Found along roadsides.	Moderate	Possible – the species has been previously recorded within 500 m of the survey area. There is suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species.	<i>NatureMap</i> , WAHERB
Asteraceae	<i>Calotis</i> sp. Perrinvale Station (R.J. Cranfield 7096)		P3	Herb to 10 cm tall. Fruit recorded from September to December. Grows in loam on BIF hills and flats.	Moderate	Possible – the taxon has been previously recorded c. 20 km south of the survey area. There is suitable habitat within the survey area, but the survey was undertaken during the reported fruiting period for the taxon.	<i>NatureMap</i> , WAHERB

Family	Taxon	Status		Description (WA Herbarium 1998–)	Efficacy of survey	Likelihood of Occurrence	Source
		EPBC Act	BC Act/ DBCA				
Asteraceae	<i>Rhodanthe collina</i>		P3	Erect, bushy annual herb, 0.1-0.25 m high. White & yellow flowers from August to October. Grows on rocky hills.	Moderate	Possible – the species has been previously recorded c. 22 km south of the survey area. There is suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species.	<i>NatureMap</i> , TPFL, WAHERB
Euphorbiaceae	<i>Ricinocarpos brevis</i>	E	T	Shrub to 1.8 m high. White flowers from June to July. Grows on rocky hillslopes and rock outcrops.	High	Highly unlikely – this species has not been recorded within the study area and the survey area is outside the natural distribution of the species.	EPBC PMST
Fabaceae	<i>Acacia speckii</i>		P4	Bushy, rounded shrub or tree, 1,5-3 m high. Grows in soils over granite, basalt or dolerite on rocky hills or rises.	High	Known – this species was record during the GHD survey. This species has been previously recorded within the survey area (see Table 7). This species is not cryptic and extensive targeted searches were completed across BIF areas.	Previous surveys, <i>NatureMap</i> , WAHERB
Fabaceae	<i>Acacia subsessilis</i>		P3	Rounded, straggly, pungent shrub, 1-2 m high. Yellow flowers from July to August. Grown on red sand or stony gravel over ironstone, and on rocky hills.	High	Known – this species was record during the GHD surveys. This species has been previously recorded within the survey area (see Table 7). This species is not cryptic and extensive targeted searches were completed across BIF areas.	Previous surveys, <i>NatureMap</i> , WAHERB

Family	Taxon	Status		Description (WA Herbarium 1998–)	Efficacy of survey	Likelihood of Occurrence	Source
		EPBC Act	BC Act/ DBCA				
Frankeniaceae	<i>Frankenia confusa</i>		P4	Low, diffuse shrub to 0.75 m high. Pink flowers in September. Grown in wet pale brown sand, brown clay and grey soil. Banks of rivers & waterholes, river floodplains.	Moderate	Unlikely – the species has been previously recorded c. 19 km north of the survey area. There is limited suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species.	<i>NatureMap</i> , WAHERB
Goodeniaceae	<i>Goodenia berringbinensis</i>		P4	Ascending annual herb, 0.1-0.3 m high. Yellow flowers in October. Grows on red sandy loam. Along watercourses.	Moderate	Possible – the species has been previously recorded c. 15 km north west of the survey area. There is limited suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species. This species can be cryptic.	<i>NatureMap</i> , WAHERB
Goodeniaceae	<i>Goodenia neogoodenia</i>		P4	Prostrate annual herb, flowers minute. Brown/brown & yellow flowers from August to September. Grown on red loam or clay, near water.	Moderate	Possible – the species has been previously recorded c. 14 km west of the survey area. There is limited suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species. This species can be cryptic.	<i>NatureMap</i> , TPFL, WAHERB

Family	Taxon	Status		Description (WA Herbarium 1998–)	Efficacy of survey	Likelihood of Occurrence	Source
		EPBC Act	BC Act/ DBCA				
Juncaginaceae	<i>Triglochin protuberans</i>		P3	Annual herb, 0.03-0.13 m high. Grows in red loam and grey mud over clay on winter-wet sites, claypans, near salt lakes and margins of pools.	Moderate	Unlikely – the species has been previously recorded c. 15 km west of the survey area. There is limited suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species.	<i>NatureMap</i> , WAHERB
Myrtaceae	<i>Enekbatus dualis</i>		P1	Shrub, to 0.75 m high. Pink flowers in September. Grows in orange-brown silty sand, brown clayey sand and granite on low hills, gentle mid to upper slopes and rock outcrops.	High	Unlikely – the species has been previously recorded c. 15 km west of the survey area. There is suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species. This species is not cryptic and extensive targeted searches were completed across BIF areas.	<i>NatureMap</i> , WAHERB
Myrtaceae	<i>Euryomyrtus recurva</i>		P3	Shrub to 0.7 m high. Pink flowers from June to September. Grown in red loam and red sand over laterite.	Moderate	Unlikely – the species has been previously recorded c. 27 km east of the survey area. There is suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species. This species is not cryptic.	<i>NatureMap</i> , WAHERB

Family	Taxon	Status		Description (WA Herbarium 1998–)	Efficacy of survey	Likelihood of Occurrence	Source
		EPBC Act	BC Act/ DBCA				
Myrtaceae	<i>Verticordia penicillaris</i>		P4	Low spreading shrub, 0.15-0.3 m high. Cream-yellow flowers from September to October. Grows in shallow, gritty soils. Granite outcrops.	High	Unlikely – the species has been previously recorded c. 380 m west of the survey area. There is suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species. This species is not cryptic and extensive targeted searches were completed across BIF areas.	Previous surveys, <i>NatureMap</i> , WAHERB
Proteaceae	<i>Grevillea rosieri</i>		P2	Shrub, red flowers in July or September. Grown in sandy soils.	High	Unlikely – the species has been previously recorded c. 27 km east of the survey area. There is suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species. This species is not cryptic.	<i>NatureMap</i> , WAHERB
Sapindaceae	<i>Dodonaea amplisemina</i>		P4	Dioecious, multi-stemmed shrub, 0.3-1 m high. Grows on red-brown sandy clay on basalt and gabbro and banded ironstone or on dolerite and quartzite and on rocky hills.	High	Known – this species was record during the GHD survey. This species has been previously recorded from the same location by Markey and Dillon (2008). This species is not cryptic and extensive targeted searches were completed across BIF areas.	Previous surveys, <i>NatureMap</i> , WAHERB

Family	Taxon	Status		Description (WA Herbarium 1998–)	Efficacy of survey	Likelihood of Occurrence	Source
		EPBC Act	BC Act/ DBCA				
Scrophulariaceae	<i>Eremophila viscida</i>	E	T	Shrub, 1.2-4 m high. Green-yellow-white flowers in September to November. Grown in granitic soils and sandy loam in stony gullies and sandplains.	High	Unlikely – this species has not been recorded within the study area. There is suitable habitat within the survey area, but the survey was undertaken during the reported flowering period for the species. This species is not cryptic.	EPBC PMST
Proteaceae	<i>Grevillea globosa</i>		P3	Spreading, non-lignotuberous shrub, 1-3 m high. Cream & white & green/red-brown flowers in January or June of November. Grown in red loam and yellow sand.	High	Unlikely – the species has been previously recorded c. 32 km south of the survey area. There is suitable habitat within the survey area, but this species is not cryptic.	WAHERB
Chenopodiaceae	<i>Tecticornia fimbriata</i>		P3	Erect shrub, 0.25-1 m high. Grows in clay and loam in margins of salt & gypsum lakes.	Moderate	Unlikely – the species has been previously in the local area. There is no suitable habitat within the survey area.	Previous surveys

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