

APPENDIX F

FLOTA QUADRAT DATA

SHEETS

Quantum Flora 1 Site QT002

Described ML **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Season

Locatio Finucane Island Dune System.

MGA 50 **662578 mE** **7754786 mN**

Habitat Sand dunes.

Soil Light brown beach sand.

Rock

Vegetatio *Crotalaria cunninghamii* and *Corchorus incanus* subsp. *incanus* scattered low shrubs over
**Cenchrus ciliaris* closed tussock grassland over *Aerva javanica* scattered herbs.

Veg Good.

Fire Old.

Note Aspect: North
Bareground: 10%
Disturbance type: Buffel grass.
Notes: Rabbit holes.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	<i>Acacia stellaticeps</i>	2%		<0.5m	QT002.04	
	<i>Acacia stellaticeps</i>	+		0.3m	QT002.10	
	<i>Aerva javanica</i>	+		<0.5m	QT001.05	
	<i>Cenchrus ciliaris</i>	80%		<0.4m	QT002.03	
	<i>Corchorus incanus</i> subsp. <i>incanus</i>	1%		<0.3m	QT002.02	
	<i>Crotalaria cunninghamii</i>	2%		1m	QT002.05	
	<i>Mukia maderaspatana</i>	+			QT002.06	
	<i>Myoporum montanum</i>	+		1m	QT002.01	
	<i>Rhagodia eremaea</i>	+		<0.75m	QT002.11	
	<i>Santalum lanceolatum</i>	1%		<1m	QT002.07	
	<i>Whiteochloa airoides</i>	+		<0.5m	QT002.09	

Quantum Flora 1 Site QT003

Described BC **Date** 10/2/2008 **Type** Q 50x50m
Season **Uniformity**

Locatio Finucane Island near rail.

MGA 50 662281 **mE** 7754469 **mN**

Habitat Lower hill slope.
Soil Orange brown sandy.
Rock
Vegetatio Trichodesma zeylanicum var. grandiflorum and Crotalaria cunninghamii shrubland over a low open Rhagodia eremaea shrubland over *Cenchrus ciliaris closed tussock grassland scattered *Aerva javanica herbs.

Veg Good.
Fire Old.
Note Aspect: South.
 Bareground: 20%
 Litter cover: + Tiwgs, + Lvs.
 Disturbance type: Weeds.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Aerva javanica	2%		<0.5m	QT001.05	
	Cenchrus ciliaris	70%		<0.5m	QT001.16	
	Crotalaria cunninghamii	8%		1.5m	QT003.06	
	Rhagodia eremaea	5%		0.3m	QT003.07	
	Rhagodia eremaea	+		<0.5m	QT003.08	
	Rhagodia eremaea	+		0.3m	QT003.01	
	Rhagodia eremaea	5%		0.3m	QT003.03	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT003.09	
	Tephrosia rosea var. venulosa				QT003.01	
	Trichodesma zeylanicum var. grandiflorum	10%		1.2m	QT003.05	
	Tricoryne corynothecoides	+		0.6m	QT003.04	
	Whiteochloa airoides	1%		0.5m	QT003.02	

Quantum Flora 1 Site QT004

Described ML **Date** 10/2/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio Finucane Island.

MGA 50 662134 **mE** 7754699 **mN**

Habitat Sand dune.

Soil Light brown sand with exposed limestone rock.

Rock Limestone.

Vegetatio Acacia stellaticeps low open shrubland over Trianthema turgidifolia scattered herbs over Triodia secunda, Spinifex longifolius and *Cenchrus ciliaris tussock grassland.

Veg Good.

Fire Old.

Note Aspect: North
 Bareground: 20%
 Litter cover: + Twigs.
 Disturbance type: Buffel, track.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	5%		<0.5m	QT002.04	
	Aerva javanica	+		<0.5m	QT001.05	
	Cenchrus ciliaris	65%		<0.3m	QT002.03	
	Corchorus incanus subsp. incanus	+		<0.4m	QT002.02	
	Ptilotus exaltatus var. exaltatus	+		<0.5m	QT001.01	
	Rhagodia eremaea	+		<0.3m	QT002.11	
	Spinifex longifolius	1%		<0.75m	QT004.01	
	Tephrosia rosea var. venulosa				QT004.06B	
	Trianthema turgidifolia	2%		<0.3m	QT004.02	
	Trichodesma zeylanicum var. grandiflorum	1%		<1m	QT004.07	
	Tricoryne corynothecoides	+		0.3m	QT004.06	
	Triodia secunda	3%		<0.2m	QT004.03	
	Whiteochloa airoides	+		0.2m	QT004.04	
	Whiteochloa airoides	+		<0.5m	QT004.05	

Quantum Flora 1 Site QT005

Described EC **Date** 10/2/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 661939 **mE** 7754477 **mN**

Habitat Middle of dunes in low undulating area.

Soil Light tan sand with shells.

Rock

Vegetatio Acacia bivenosa scattered shrubs over Crotalaria cunninghamii and Trichodesma zeylanicum var. grandiflorum low open shrubland over *Cenchrus ciliaris closed tussock grassland over Aerva javanica scattered herbs.

Veg Good.

Fire Old.

Note Aspect: North.
 Breground: 20%
 Litter cover: 1% Lvs.
 Disturbance type: Cenchrus ciliaris.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia bivenosa	+	2m	QT007.04	
	Acacia stellaticeps	1%	0.3m	QT001.04	
	Aerva javanica	1%	0.5m	QT001.05	
	Cenchrus ciliaris	75%	0.3m	QT001.16	
	Crotalaria cunninghamii	2%	1m	QT005.01	
	Tephrosia rosea var. venulosa	1%	0.5m	QT007.10	
	Trichodesma zeylanicum var. grandiflorum	2%	1m	QT005.02	
	Tricoryne corynothecoides	+	0.4m	QT007.06	
	Whiteochloa airoides	+	0.5m	QT007.09	

Quantum Flora 1 Site QT006

Described BC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio Finucane Island, south of the road.

MGA 50 **662034 mE** **7754290 mN**

Habitat Samphire plain.

Soil Orange brown sandy mud.

Rock

Vegetatio Avicennia mariana open shrubland over Halosarcia halocnemoides, Threlkeldia diffusa and Halosarcia pterygosperma subsp. denticulata low open samphire over Eragrostis falcata and Triodia secunda very open tussock grassland.

Veg Very Good.

Fire Old.

Note Aspect: South.
Bareground: 50%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Aerva javanica				QT001.05	
	Avicennia marina	2%		2m	QT006.07	
	Cenchrus ciliaris				QT001.16	
	Eragrostis falcata	2%		0.2m	QT006.06	
	Frankenia pauciflora	1%		<0.3m	QT006.01	
	Halosarcia halocnemoides	2%		<0.3m	QT006.13	
	Halosarcia halocnemoides subsp. tenuis	+		0.2m	QT006.12	
	Halosarcia indica subsp. leiostachya	+		0.1m	QT006.11	
	Halosarcia pterygosperma subsp. denticulata	1%		<0.3m	QT006.10	
	Indigofera linnaei			0.2m	QT006.14	
	Muellerolimon salicorniaceum	+		0.2m	QT006.08	
	Neobassia astrocarpa	+		0.2m	QT006.03	
	Sporobolus virginicus	+		0.2m	QT006.09	
	Threlkeldia diffusa	2%		<0.3m	QT006.04	
	Trianthema turgidifolia	+		0.2m	QT006.02	
	Triodia secunda	1%		<0.3m	QT006.05	

Quantum Flora 1 Site QT007

Described EC **Date** 10/2/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio On Finucane Island.

MGA 50 661708 **mE** 7754401 **mN**

Habitat Low hill, dune slope.
Soil Light tan, orangey sand with deposited.
Rock
Vegetatio Corymbia sp. and Acacia bivenosa high open shrubland over *Cenchrus ciliaris and Eragrostis aff. eriopoda (WAS site 963) tussock grassland over *Aerva javanica scattered herbs.

Veg Good.
Fire Old.
Note Aspect: South.
 Bareground: 30%
 Litter cover: + Logs, 1% Twigs, %5 Lvs.
 Disturbance type: Cenchrus and road nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia bivenosa	3%	2-3m	QT007.04	
	Aerva javanica	2%	0.4m	QT001.05	
	Aerva javanica	+	0.2m	QT007.07	
	Cenchrus ciliaris	55%	0.4m	QT001.16	
	Corymbia sp.	10%	1-2m	QT007.01	
	Eragrostis aff. eriopoda (WAS site 963)	1%	0.2m	QT007.05	
	Eriachne obtusa	+	0.2m	QT007.08	
	Ptilotus exaltatus var. exaltatus	+	0.4m	QT001.01	
	Rhagodia eremaea	+	1m	QT007.03	
	Santalum lanceolatum	1%	1m	QT007.02	
	Santalum lanceolatum	+	0.5m	QT001.10	
	Tricoryne corynothecoides	+	0.3m	QT007.06	
	Whiteochloa airoides	+	0.4m	QT007.09	

Quantum Flora 1 Site QT008

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661356 mE** **7754203 mN**

Habitat Mangroves.

Soil Light brown mud/clay.

Rock

Vegetatio Avicennia marina and Ceriops tagal closed tall shrubland over Halosarcia halocnemoides subsp. tenuis and Sesuvium portulacastrum low scattered samphire.

Veg Excellent.

Fire Old.

Note**SPECIES**

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	90%	2-4m	QT008.02	
	Ceriops tagal	2%	1-3m	QT008.01	
	Halosarcia halocnemoides subsp. tenuis	+	0.3m	QT008.04	
	Sesuvium portulacastrum	+	0.2m	QT008.03	

Quantum Flora 1 Site QT009

Described	ML	Date	10/2/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	Finucane Island.					
MGA	50		661344	mE		7754342 mN
Habitat	Sand dune.					
Soil	Light brown sand with surface rocks, cobbles and pebbles and exposed laterite. Orange sand in					
Rock	Laterite.					
Vegetatio	Acacia stellaticeps and Santalum lanceolatum low open shrubland over *Cenchrus ciliaris and Aristida holathera var. latifolia tussock grassland over Ptilotus exaltatus var. exaltatus scattered					
Veg	Good.					
Fire	Old.					
Note	Aspect: North to Northwest. Bareground: 25% Disturbance type: Buffel and track. Notes: only 4 m above sea level. Two soil types, light brown sand and orange sandy loam.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia bivenosa	+		1.1m	QT009.01	
	Acacia stellaticeps	2%		<0.5m	QT002.04	
	Aerva javanica	+		<0.4m	QT001.05	
	Aristida holathera var. latifolia	5%		<0.5m	QT009.10	
	Boerhavia sp.	+		0.1m	QT009.05	
	Cassytha capillaris	+		<1m	QT009.06	
	Cenchrus ciliaris	50%		<0.5m	QT002.03	
	Corchorus incanus subsp. incanus	+		<0.2m	QTOP1	
	Crotalaria medicaginea	+		0.2m	QT009.08	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QT009.09	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QT009.12	
	Gomphrena sp.	+		0.1m	QT009.04	
	Goodenia microptera	+		0.1m	QT009.18	
	Goodenia microptera	+		0.2m	QT009.07	
	Indigofera colutea	+		0.2m	QT009.19	
	Indigofera trita	+		0.2m	QT009.03	
	Ptilotus exaltatus var. exaltatus	1%		<0.5m	QT001.01	
	Ptilotus polystachyus var. arthrotrichus	+		<0.3m	QT009.15	
	Rhagodia eremaea	+		0.3m	QT009.17	
	Rhagodia eremaea	+		<0.4m	QT002.11	
	Rhynchosia minima var. australis	+		CL	QT009.13	
	Santalum lanceolatum	2%		<0.5m	QT002.07	
	Scaevola sp.				QTOP2	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT009.14	
	Solanum diversiflorum	+		0.4m	QT009.02	
	Trianthema turgidifolia	+		<0.4m	QT009.16	
	Tricoryne corynothecoides	1%		<0.4m	QT004.06	
	Triodia secunda	2%		<0.3m	QT004.03	
	Whiteochloa airoides	herbs.		1%	<0.3m	QT09.11A

Quantum Flora 1 Site QT010

Described	BC	Date	10/2/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	Finucane Island western end.					
MGA	50		660982	mE		7754227 mN
Habitat	Hill top with a small rise.					
Soil	Orange sand.					
Rock	Limestone.					
Vegetatio	Acacia bivenosa open shrubland over Crotalaria cunninghamii, Rhagodia eremaea and Corchorus incanus subsp. incanus low open shrubland over *Cenchrus ciliaris tussock grassland.					
Veg	Good.					
Fire	Old.					
Note	Aspect: South. Bareground: 50% Littercover: + Twigs, + Lvs. Disturbance type: Weeds.					

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia bivenosa	1%	<1m	QT010.05	
	Acacia bivenosa	5%	1-2m	QT010.03	
	Acacia bivenosa	+	0.3m	QT010.07	
	Aerva javanica	+	0.3-1m	QT001.05	
	Aristida holathera var. latifolia	+	0.3m	QT010.01	
	Cenchrus ciliaris	45%	<0.5m	QT001.16	
	Corchorus incanus subsp. incanus	+	0.3m	QT010.02	
	Crotalaria cunninghamii	+	0.2m	QT010.10	
	Goodenia microptera	+	0.2m	QT010.11	
	Rhagodia eremaea	+	<1m	QT010.08	
	Rhagodia eremaea	+	0.3m	QT010.09	
	Rhagodia eremaea	2%	0.3m	QT003.01	
	Rhynchosia minima var. australis	+	CR	QT010.12	
	Scaevola amblyanthera var. centralis	+	0.2m	QT010.06	
	Spinifex longifolius	+	0.5m	QT001.06	
	Sporobolus virginicus	+	0.2m	QT006.09	
	Tephrosia supina	+	0.1m	QT010.04	
	Trianthema turgidifolia	+	0.3m	QT006.02	
	Tricoryne corynothecoides	+	0.4m	QT003.04	
	Whiteochloa airoides	+	<0.5m	QT003.02	

Quantum Flora 1 Site QT011

Described BC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m
Season
Locatio Finucane Island road out.
MGA 50 **662479 mE** **7745081 mN**
Habitat Mangrove.
Soil Brown mud.
Rock Limestone.
Vegetatio Avicennia marina and Ceriops tagal high shrubland.
Veg Very Good.
Fire Very Old.
Note Bareground: 50%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Road nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia bivenosa	+		2m	QT010.03	
	Avicennia marina	50%		1-3m	QT011.01	
	Ceriops tagal	+		3-4m	QT011.03	
	Frankenia pauciflora	+		0.2m	QT006.01	
	Halosarcia halocnemoides	+		0.3m	QT011.02	
	Neobassia astrocarpa	+		0.2m	QT006.03	

Quantum Flora 1 Site QT012

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **mE** **mN**

Habitat Mangroves.

Soil Mud - brown clay.

Rock

Vegetatio Ceriops tagal and Avicennia marina high closed shrubland.

Veg Very Good.

Fire Old.

Note Disturbance type: Road next door.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	15%	2-3m	QT011.01	
	Ceriops tagal	60%	3-4m	QT011.03	

Quantum Flora 1 Site QT013

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m
Season
Locatio On the road from Finucane Island.
MGA 50 662254 **mE** 7752027 **mN**
Habitat Samphire flats.
Soil Light brown mud - water logged.
Rock
Vegetatio Avicennia marina scattered low shrubs over alosarcia halocnemoides subsp. tenuis, Halosarcia pterygosperma subsp. denticulata and Muellerolimon salicorniaceum low open shrubland.
Veg Very Good.
Fire Old.
Note Bareground: 70%
 Disturbance type: Road nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	1%	0.5m	QT013.04	
	Halosarcia halocnemoides subsp. tenuis	5%	0.3m	QT013.01	
	Halosarcia pterygosperma subsp. denticulata	+	0.3m	QT013.02	
	Muellerolimon salicorniaceum	3%	0.3m	QT013.03	

Quantum Flora 1 Site QT014

Described EC **Date** 10/2/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 662096 **mE** 7751378 **mN**

Habitat Mangroves.

Soil Light brown mud.

Rock

Vegetatio Avicennia marina high closed shrubland.

Veg Excellent.

Fire Old.

Note Bareground: 30%

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	70%	2-3m	QT014.01	
	Avicennia marina	+	2m	QT014.03	
	Ceriops tagal	+	3m	QT014.04	

Quantum Flora 1 Site QT015

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661989 mE** **7750334 mN**

Habitat Samphire flats.

Soil Light reddish brown mud (clay).

Rock

Vegetatio Halosarcia halocnemoides low shrubland.

Veg Very Good.

Fire Old.

Note Bareground: 80%
Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	+	0.1m	QT008.02	
	Eragrostis falcata	+	0.3m	QT006.06	
	Halosarcia halocnemoides	20%	0.2m	QT015.02	
	Halosarcia halocnemoides	+	0.2m	QT015.03	
	Halosarcia halocnemoides subsp. catenulata	1%	0.2m	QT015.05	
	Halosarcia indica subsp. leiostachya	+	0.2m	QT015.06	
	Halosarcia sp.	1%	0.2m	QT015.01	
	Muellerolimon salicorniaceum	1%	0.2m	QT013.03	
	Muellerolimon salicorniaceum	+	0.2m	QT015.04	
	Trianthema turgidifolia	+	0.2m	QT06.02	

Quantum Flora 1 Site QT016

Described ML **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Season

Locatio East conveyor on point to Finucane Island.

MGA 50 **662028 mE** **7750391 mN**

Habitat Low limestone hill.

Soil Light brown red loam with exposed lateritic limestone.

Rock Limestone.

Vegetatio Acacia bivenosa high open shrubland over Hakea lorea subsp. lorea and Myoporum montanum open shrubland over Triodia epactia and Triodia secunda hummock grassland over *Cenchrus ciliaris tussock grassland over Gomphrena canescens very open herbland.

Veg Good to Very Good.

Fire Old.

Note Bareground: 30%
Litter cover: + Twigs, + Lvs.
Disturbance type: Buffel and track.
Notes: Weathered limestone; Good to Very Good condition; Survey mark nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Abutilon sp.	1%		<0.5m	QT016.11	
	Acacia bivenosa	3%		2-3m	QT009.01	
	Aerva javanica	+		0.4m	QT016.12	
	Boerhavia sp.	+		0.1m	QT016.07	
	Cassytha capillaris	+		<1m	QT009.06	
	Cenchrus ciliaris	65%		<0.5m	QT002.03	
	Corchorus incanus subsp. incanus	1%		<0.3m	QT016.05	
	Gomphrena canescens	8%		<0.3m	QT016.03	
	Goodenia microptera	+		0.3m	QT009.07	
	Hakea lorea subsp. lorea	1%		1-2m	QT016.08	
	Hibiscus sp.	+		0.6m	QT016.10	
	Indigofera trita	+		0.4m	QT016.04	
	Myoporum montanum	1%		1-1.5m	QT016.01	
	Ptilotus exaltatus var. exaltatus	+		<0.5m	QT001.01	
	Rhagodia eremaea	+		<0.5m	QT016.09	
	Scaevola spinescens (narrow form)	1%		0.5-1.5m	QT016.13	
	Senna glutinosa subsp. glutinosa	+		0.6m	QT016.17	
	Streptoglossa bubakii	+		0.4m	QT016.16	
	Tephrosia sp. B Kimberley Flora (C.A. Gardner 7300)	+		<0.5m	QT016.06	
	Threlkeldia diffusa	+		<0.4m	QT016.14	
	Trianthema turgidifolia	+		<0.4m	QT009.16	
	Triodia epactia	10%		<0.5m	QT016.02	
	Triodia secunda	2%		<0.3m	QT016.15	

Quantum Flora 1 Site QT017

Described EC **Date** 10/2/2008 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **662197 mE** **7750188 mN**

Habitat Mangroves on bank of inlet.

Soil Orange tan sand.

Rock

Vegetatio Avicennia marina and Ceriops tagal high closed shrubland.

Veg

Fire

Note Bareground: 30%

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	40%	2-3m	QT017.02	
	Ceriops tagal	40%	2-3m	QT017.01	
	Halosarcia halocnemoides	+	0.2m	QT017.03	
	Muellerolimon salicorniaceum	+	0.3m	QT013.03	
	Trianthema turgidifolia	+	0.3m	QT006.02	

Quantum Flora 1 Site QT018

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661799 mE** **7749075 mN**

Habitat Low sandy rise.

Soil Light brown sandy loam.

Rock

Vegetatio Frankenia pauciflora var. pauciflora low scattered shrubs over *Cenchrus ciliaris, Eragrostis falcata and Sporobolus virginicus scattered grasses over Triodia secunda and Triodia epactia closed hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 5%
Disturbance type: Track next door, rubbish.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Cenchrus ciliaris	1%		0.3m	QT001.16	
	Eragrostis falcata	2%		0.3m	QT006.06	
	Eragrostis falcata	+		0.3m	QT018.11	
	Frankenia pauciflora	+		0.3m	QT018.08	
	Frankenia pauciflora var. pauciflora	2%		0.3m	QT018.10	
	Halosarcia halocnemoides subsp. tenuis	+		0.2m	QT018.12	
	Halosarcia indica subsp. leiostachya	+		0.2m	QT018.07	
	Hemichroa diandra	+		0.2m	QT018.06	
	Neobassia astrocarpa	+		0.3m	QT018.04	
	Sporobolus virginicus	1%		0.3m	QT018.03	
	Swainsona pterostylis	+		0.3m	QT018.01	
	Trianthema turgidifolia	+		0.2m	QT018.05	
	Triodia epactia	10%		0.3m	QT018.09	
	Triodia secunda	80%		0.4m	QT018.02	

Quantum Flora 1 Site QT019

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661544 mE** **7749000 mN**

Habitat Samphire flats.

Soil Light brown waterlogged clay.

Rock

Vegetatio Avicennia marina scattered shrubs over Halosarcia halocnemoides subsp. tenuis and Trianthema turgidifolia low open shrubland.

Veg Very Good.

Fire Old.

Note Bareground: 85%
Disturbance type: Some tracks.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Avicennia marina	1%		0.5m	QT019.01	
	Halosarcia halocnemoides subsp. tenuis	10%		0.3m	QT013.01	
	Trianthema turgidifolia	1%		0.2m	QT018.05	

Quantum Flora 1 Site QT020

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661736 mE** **7749747 mN**

Habitat Mangroves.

Soil Light orange brown mud.

Rock

Vegetatio Trianthema turgidifolia and Ceriops tagal high shrubland.

Veg Excellent.

Fire Old

Note Bareground: 40%

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	60%	1-2m	QT008.02	
	Ceriops tagal	5%	0.5m	QT020.02	
	Muellerolimon salicorniaceum	+	0.2m	QT020.01	

Quantum Flora 1 Site QT021

Described EC **Date** 10/2/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA 50 **661648 mE** **7747758 mN**

Habitat Undulating plain - rise.

Soil Orangey brown, loamy sand.

Rock Quartz.

Vegetatio Acacia stellaticeps low open shrubland over Triodia epactia and Triodia secunda hummock

Veg Very Good.

Fire Old.

Note Bareground: 10%
Disturbance type: Road and powerline nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	+		0.5m	QT021.17	
	Acacia stellaticeps	2%		0.3m	QT001.04	
	Acacia tumida var. pilbarensis	+		1m	QT021.01	
	Aristida holathera var. latifolia	1%		0.4m	QT021.02	
	Bonamia linearis	+		0.3m	QT021.14	
	Bonamia media	+		CR	QT021.13	
	Cajanus marmoratus	+		CL	QT021.19	
	Cenchrus ciliaris	2%		0.3m	QT001.16	
	Corchorus incanus subsp. incanus	+		0.3m	QT021.06	
	Eriachne obtusa	1%		0.3m	QT021.05	
	Eriachne obtusa	+		0.3m	QT021.18	
	Hybanthus aurantiacus	+		0.3m	QT021.15	
	Hybanthus aurantiacus	+		0.2m	QT021.09	
	Hybanthus aurantiacus	+		0.3m	QT021.16	
	Mollugo molluginea	+		0.3m	QT021.10	
	Pluchea tetranthera	+		0.2m	QT021.03	
	Pterocaulon serrulatum	+		0.2m	QT021.22	
	Ptilotus polystachyus var. arthrotrichus	+		0.3m	QT072.08	
	Ptilotus polystachyus var. arthrotrichus	+		0.2m	QT021.12	
	Ptilotus polystachyus var. arthrotrichus	+		0.2m	QT021.20	
	Ptilotus polystachyus var. arthrotrichus	+		0.2m	QT021.21	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT021.07	
	Sida billbarkeri	+		0.2m	QT021.04	
	Sida rohlenae subsp. rohlenae	+		0.2m	QT021.08	
	Trianthema turgidifolia	+		0.3m	QT006.02	
	Tricoryne corynothecoides	1%		0.2m	QT021.11	
	Triodia epactia	30%		0.3m	QT018.09	
	Triodia secunda	30%		0.4m	QT018.02	

Quantum Flora 1 Site QT022

Described ML **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661976 mE** **7747810 mN**

Habitat Samphire flat.

Soil Orange brown sandy mud.

Rock

Vegetatio Halosarcia halocnemoides and Halosarcia pterygosperma subsp. denticulata scattered shrubs.

Veg Excellent.

Fire Old.

Note Bareground: 90%

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Avicennia marina	+		0.3m	QT011.01	
	Halosarcia halocnemoides	1%		<0.3m	QT022.02	
	Halosarcia halocnemoides	1%		<0.3m	QT022.03	
	Halosarcia halocnemoides	+		0.4m	QT022.04	
	Halosarcia pterygosperma subsp. denticulata	1%		<0.3m	QT022.01	
	Sporobolus virginicus	+		<0.3m	QT006.09	

Quantum Flora 1 Site QT023

Described EC **Date** 10/2/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **662181 mE** **7747427 mN**

Habitat Rise - undulating plain.

Soil Orangey brown sand (loam).

Rock

Vegetatio

Veg

Fire

Note Acacia ampliceps scattered shrubs over Triodia epactia and Triodia secunda hummock grassland.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	+		0.6m	QT023.02	
	Bonamia media	+		CR	QT021.13	
	Cajanus marmoratus	+		CL	QT021.19	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Eragrostis falcata	+		0.3m	QT006.06	
	Euphorbia coghlanii	+		0.1m	QT023.06	
	Euphorbia coghlanii	+		0.2m	QT023.03	
	Euphorbia sp.	+		0.2m	QT023.04	
	Frankenia pauciflora	+		0.3m	QT006.01	
	Pluchea rubelliflora	+		0.2m	QT023.05	
	Pluchea tetranthera	+		0.3m	QT021.03	
	Sporobolus virginicus	+		0.1m	QT023.07	
	Tephrosia rosea var. venulosa	+		0.3m	QT007.10	
	Trianthema turgidifolia	+		0.3m	QT023.01	
	Triodia epactia	60%		0.5m	QT018.09	
	Triodia secunda	10%		0.3m	QT018.02	

Quantum Flora 1 Site QT024

Described ML **Date** 10/3/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio Junction at rail and conveyor.

MGA 50 **661264 mE** **7747963 mN**

Habitat Sand plain.

Soil Light brown loamy snad.

Rock

Vegetatio Acacia stellaticeps scattered low shrubs over Triodia epactia and Triodia secunda hummock grassland over Aristida holathera var. latifolia and Eriachne obtusa tussock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 15%
Litter cover: 2% Twigs, 2% Lvs.
Notes: Creek line/ Drainage line nearby; cenchrus on drainage line edge.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia stellaticeps	1%	0.3m	QT024.07	
	Acacia stellaticeps	2%	<0.4m	QT024.04	
	Aristida holathera var. latifolia	5%	<0.5m	QT024.05	
	Bulbostylis barbata	1%	<0.1m	QT024.18	
	Cassytha capillaris	+	CL	QT024.20	
	Cenchrus ciliaris	2%	<0.4m	QT002.03	
	Chrysopogon fallax	+	<0.6m	QT024.08	
	Corchorus incanus subsp. incanus	+	0.3m	QT024.15	
	Cyperus blakeanus	+	0.4m	QT024.19	
	Dodonaea coriacea	1%	<0.5m	QT024.13	
	Eragrostis falcata	1%	<0.5m	QT024.11	
	Eragrostis falcata	+	0.4m	QT024.10	
	Eriachne obtusa	5%	<0.3m	QT024.02	
	Eriachne obtusa	1%	<0.3m	QT024.12	
	Mollugo molluginea	+	0.1m	QT024.16	
	Pluchea tetranthera	+	<0.3m	QT024.01	
	Senna notabilis	+	<0.4m	QT024.14	
	Tephrosia leptoclada	+	0.2m	QT024.17	
	Triodia epactia	65%	<0.3m	QT024.03	
	Triodia epactia	+	<0.5m	QT024.09	
	Triodia secunda	10%	<0.2m	QT024.06	

Quantum Flora 1 Site QT025

Described	EC	Date	10/3/2008	Type	Q	50x50m
Season				Uniformity		
Locatio	Past drive in carpark towards rail line.					
MGA	50		661242	mE		7747637 mN
Habitat	Sand plain.					
Soil	Light orangey brown sand with some loam.					
Rock	Quartz.					
Vegetatio	Acacia stellaticeps low open shrubland over Triodia epactia and Triodia sp. very open hummock grassland over Aristida holathera var. latifolia, *Cenchrus ciliaris and tussock grassland.					
Veg	Very Good.					
Fire	Old.					
Note	Bareground: 30% Littercover: 1% Twigs, 3% Lvs. Disturbance type: Road 30m away; Rail 200m away.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	+		1m	QT025.22	
	Acacia stellaticeps	4%		0.3m	QT025.01	
	Aristida holathera var. latifolia	30%		0.4m	QT025.02	
	Cassytha capillaris	+		CL	QT025.04	
	Cenchrus ciliaris	3%		0.3m	QT001.16	
	Cyperus blakeanus	+		0.3m	QT025.17	
	Dodonaea coriacea	+		0.4m	QT025.15	
	Eragrostis speciosa	+		0.2m	QT025.18	
	Eriachne obtusa	+		0.3m	QT025.21	
	Eriachne obtusa	5%		0.3m	QT025.03	
	Hybanthus aurantiacus	+		0.2m	QT025.06	
	Mollugo molluginea	+		0.2m	QT025.06	
	Pluchea tetranthera	+		0.2m	QT025.16	
	Ptilotus fusiformis var. fusiformis	+		0.2m	QT025.12	
	Ptilotus polystachyus var. arthrotrichus	+		0.3m	QT025.07	
	Schizachyrium fragile	+		0.1m	QT025.05	
	Senna notabilis	+		0.3m	QT025.20	
	Sida rohlenae subsp. rohlenae	+		0.3m	QT025.19	
	Solanum cleistogamum	+		0.1m	QT025.13	
	Tephrosia leptoclada	+		0.2m	QT025.14	
	Triodia epactia	5%		0.3m	QT025.08	
	Triodia sp.	4%		0.3m	QT025.09	

Quantum Flora 1 Site QT026

Described BC **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661380 mE** **7747366 mN**

Habitat Sand plain.

Soil Orange loamy sand.

Rock

Vegetatio Acacia stellaticeps and Dodonaea coriacea low shrubland over Triodia epactia and Triodia secunda hummock grassland over Aristida holathera var. latifolia very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 20%
Litter cover: + Twigs, + Lvs.
Disturbance type: Road/ track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		0.7m	QT026.20	
	Acacia stellaticeps	+		<0.3m	QT026.21	
	Acacia stellaticeps	+		0.05m	QT026.06	
	Acacia stellaticeps	30%		<0.3m	QT026.03	
	Aristida holathera var. latifolia	4%		0.5m	QT026.19	
	Bonamia linearis	+		0.2m	QT026.16	
	Bulbostylis barbata	+		0.1m	QT026.14	
	Cassyltha capillaris	+		CL	QT026.05	
	Digitaria brownii	1%		0.5m	QT026.07	
	Dodonaea coriacea	2%		<0.4m	QT026.11	
	Eriachne obtusa	+		0.2m	QT026.09	
	Hybanthus aurantiacus	+		0.3m	QT026.17	
	Hybanthus aurantiacus	+		0.2m	QT026.12	
	Mitrasacme connata	+		0.2m	QT026.13A	
	Mollugo molluginea	+		0.1m	QT026.22	
	Pluchea tetranthera	1%		0.3m	QT026.08	
	Ptilotus polystachyus var. arthrotrichus	+		0.2m	QT026.23	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT026.10	
	Sida billbarkeri	+		0.2m	QT026.15	
	Solanum diversiflorum	1%		0.1m	QT026.02	
	Tephrosia simplicifolia	+		<0.2m	QT026.18	
	Triodia epactia	30%		0.5m	QT026.01	
	Triodia secunda	4%		<0.2m	QT026.04	

Quantum Flora 1 Site QT027

Described	EC	Date	10/3/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	Closer to Boodarie Iron Plant.					
MGA	50		661165	mE		7746814 mN
Habitat	Sand plain.					
Soil	Orangey brown loamy sand.					
Rock	Quartz.					
Vegetatio	Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia secunda hummock grassland over Aristida holathera var. latifolia scattered tussock grasses.					
Veg	Very Good.					
Fire	Old.					
Note	Bareground: 30% Litter cover: + Twigs, 1% Lvs. Disturbance type: Road is 50m away; Rail is 400m away. Notes: Lots of kangaroo tracks and homes.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	3%		0.3-1m	QT025.01	
	Aristida holathera var. latifolia	3%		0.4m	QT025.02	
	Cassytha capillaris	+		0.3m	QT025.04	
	Cenchrus ciliaris	1%		0.3m	QT001.16	
	Chrysopogon fallax	+		0.4m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Cyperus blakeanus	+		0.4m	QT025.17	
	Eriachne obtusa	2%		0.3m	QT025.03	
	Eriachne obtusa	+		0.2m	QT027.03	
	Eriachne obtusa	+		0.3m	QT025.21	
	Glycine canescens	+		CR	QT027.05	
	Hakea lorea subsp. lorea	+		1m	QT027.02	
	Hibiscus leptocladus	+		0.2m	QT027.07	
	Hybanthus aurantiacus	+		0.2m	QT027.11	
	Hybanthus aurantiacus	+		0.2m	QT025.06	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT027.08	
	Sida billbarkeri	+		0.5m	QT027.10	
	Sida rohlenae subsp. rohlenae	+		0.3m	QT025.19	
	Solanum cleistogamum	+		0.2m	QT025.13	
	Tribulus sp.	+		0.4m	QT025.15	
	Tricoryne corynothecoides	+		0.2m	QT007.06	
	Triodia epactia	3%		0.3m	QT025.08	
	Triodia epactia	10%		0.3m	QT027.04	
	Triodia secunda	40%		0.3m	QT025.09	
	Triodia sp.	1%		0.4m	QT027.01	

Quantum Flora 1 Site QT028

Described BC **Date** 10/3/2008 **Type** Q **Uniformity** 50x50m

Location West to east track off main track near plant.

MGA 50 **661246 mE** **7745977 mN**

Habitat Sand plain.

Soil Orange sand.

Rock

Vegetation Eucalyptus victrix low open woodland over Acacia colei var. colei high shrubland over Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia epactia open hummock grassland over Chrysopogon fallax and Eriachne obtusa open tussock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 50%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover	Height	Specimen	Notes
	Acacia colei var. colei	20%	<2m	QT026.20	
	Acacia coriacea subsp. coriacea	+	2m	QT028.09	
	Acacia stellaticeps	+	<0.2m	QT026.06	
	Acacia stellaticeps	10%	<0.5m	QT026.03	
	Acacia stellaticeps	+	<0.2m	QT026.21	
	Aristida holathera var. latifolia	1%	<0.3m	QT028.15	
	Chrysopogon fallax	8%	<0.5m	QT028.03	
	Corchorus incanus subsp. incanus	+	0.3m	QT028.08	
	Corymbia flavescens	+	1.5m	QT028.11	
	Eriachne obtusa	3%	0.3m	QT028.05	
	Eucalyptus victrix	15%	1-3m	QT028.01	
	Evolvulus alsinoides var. decumbens	+	0.1m	QT028.12	
	Hakea lorea subsp. lorea	+	<0.5m	QT028.16	
	Hibiscus leptocladus	+	0.2m	QT028.13	
	Hybanthus aurantiacus	+	0.2m	QT028.04	
	Hybanthus aurantiacus	+	0.2m	QT026.12	
	Hybanthus aurantiacus	+	0.1m	QT028.07	
	Hybanthus aurantiacus	+	0.2m	QT026.17	
	Mitrasacme connata	+	0.2m	QT026.13	
	Mollugo molluginea	+	0.1m	QT026.22	
	Pluchea tetranthera	5%	<0.5m	QT026.08	
	Ptilotus astrolasius var. astrolasius	+	<0.4m	QT028.10	
	Sida rohlenae subsp. rohlenae	+	<0.3m	QT028.14	
	Triodia epactia	15%	<0.5m	QT028.02	
	Waltheria indica	+	0.3m	QT028.06	

Quantum Flora 1 Site QT029

Described ML **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio

MGA 50 **661529 mE** **7745939 mN**

Habitat Sand plain/ Drainage line.

Soil Light brown orangey loamy sand.

Rock

Vegetatio Dolichandrone heterophylla scattered tall shrubs over Hakea lorea subsp. lorea, Acacia trachycarpa and Acacia ampliceps scattered shrubs over Ptilotus astrolasius var. astrolasius and Acacia stellaticeps low shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Litter cover: 1% Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	1%		0.5-1m	QT029.17	
	Acacia colei var. colei	+		0.4m	QT029.10	
	Acacia stellaticeps	+		<0.3m	QT024.07	
	Acacia stellaticeps	5%		<0.5m	QT024.04	
	Acacia trachycarpa subsp. tumida var. pilbarensis	1%		1m	QT029.19	
	Aristida holathera var. latifolia	2%		<0.5m	QT024.05	
	Cassyltha capillaris	+		CR	QT024.20	
	Chrysopogon fallax	2%		<0.7m	QT024.08	
	Corchorus incanus subsp. incanus	1%		<0.4m	QT024.15	
	Dodonaea coriacea	+		<0.5m	QT024.13	
	Dolichandrone heterophylla	1%		1-2m	QT029.14	
	Eriachne obtusa	7&		<0.2m	QT024.02	
	Eucalyptus victrix	+		0.6m	QT029.16	
	Euphorbia coghlanii	+		0.2m	QT029.23	
	Goodenia armitiana	+		0.4m	QT029.08	
	Goodenia forrestii	+		0.3m	QT029.02	
	Goodenia forrestii	+		0.3m	QT029.22	
	Hakea lorea subsp. lorea	+		0.8m	QT029.21	
	Heliotropium chrysocarpum	+		0.4m	QT029.18	
	Hybanthus aurantiacus	+		0.1m	QT029.09	
	Hybanthus aurantiacus	+		0.4m	QT029.06	
	Hybanthus aurantiacus	1%		<0.4m	QT029.07	
	Pimelea ammocharis	+		0.3m	QT029.04	
	Pluchea tetranthera	1%		<0.4m	QT024.01	
	Polymeria aff. calycina	+		0.2m	QT029.24	
	Polymeria calycina	+		<0.2m	QT029.11	
	Ptilotus astrolasius var. astrolasius	7%		<0.4m	QT029.03	
	Ptilotus exaltatus var. exaltatus	+		<0.2m	QT029.01	
	Ptilotus polystachyus var. arthrotrichus	+		<0.2m	QT029.12	
	Sida aff. fibulifera (HD148-13)	+		<0.3m	QT029.13	
	Tricoryne corynothecoides	+		0.4m	QT029.15	
	Tricoryne corynothecoides	+		0.2m	QT029.05	
	Triodia epactia	45%		<0.4m	QT024.03	
	Triumfetta chaetocarpa	+		0.2m	QT29.20	

Quantum Flora 1 Site QT030

Described	BC	Date	10/3/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	Near "interesting" section, pers comm MTL.					
MGA	50		661153	mE		7745186 mN
Habitat	Lower rise, between drainage channels.					
Soil	Orangey loamy sand.					
Rock						
Vegetatio	Eucalyptus victrix low open woodland over Acacia ampliceps high open shrubland over Pluchea ferdinandi-muelleri and Acacia stellaticeps low open shrubland.					
Veg	Very Good.					
Fire	Very Old.					
Note	Bareground: 5% Litter cover: 1% Logs, 1% Twigs, 8% Lvs. Disturbance type: Track nearby.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	10%		<4m	QT030.02	
	Acacia ampliceps	+		<1m	QT030.10	
	Acacia stellaticeps	+		0.5m	QT030.14	
	Acacia stellaticeps	2%		0.5m	QT030.11	
	Acacia trachycarpa subsp. tumida var. pilbarensis	+		1-2m	QT030.03	
	Adriana urticoides var. urticoides	+		<1m	QT030.06	
	Aerva javanica	+		0.2m	QT030.17	
	Aerva javanica	+		0.3m	QT001.05	
	Cajanus cinereus	+		0.4m	QT030.21	
	Cassylia capillaris	+		CL	QT026.05	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Cenchrus ciliaris	+		<0.5m	QT030.08	
	Corchorus incanus subsp. incanus	+		0.3m	QT028.08	
	Eriachne obtusa	+		0.3m	QT033.03	
	Eriachne obtusa	+		0.3m	QT028.05	
	Eucalyptus victrix	5%		8m	QT030.01	
	Glycine canescens	+		CL	QT027.05	
	Goodenia forrestii	+		0.2m	QT030.16	
	Hybanthus aurantiacus	+		0.2m	QT030.18	
	Hybanthus aurantiacus	+		0.3m	QT030.19	
	Melaleuca argentea			1.5m	QT030.22	
	Melaleuca glomerata	+		2m	QT030.04	
	Myoporum montanum	+		2m	QT030.15	
	Pluchea ferdinandi-muelleri	5%		<0.7m	QT030.13	
	Pluchea tetranthera	+		<0.5m	QT026.08	
	Ptilotus axillaris	+		<0.2m	QT030.12	
	Santalum lanceolatum	+		<1m	QT030.05	
	Triodia epactia	1%		<0.5m	QT030.07	
	Triumfetta chaetocarpa	+		0.2m	QT030.20	
	Whiteochloa airoides	+		0.5m	QT030.09	

Quantum Flora 1 Site QT031

Described	EC	Date	10/3/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	Near Mitch's interesting Area.					
MGA	50		660985	mE		7745201 mN
Habitat	Plain and Minor Drainage line.					
Soil	Orange brown (light) loamy sand. Areas of salt/clay crust.					
Rock						
Vegetatio	Acacia ampliceps and Eucalyptus victrix high open shrubland over Acacia stellaticeps, Plucheia ferdinandi-muelleri, Plucheia tetranthera and Corchorus incanus subsp. incanus low open shrubland over Triodia epactia and Triodia secunda hummock grassland over Eriachne obtusa scattered tussock grasses.					
Veg	Very Good.					
Fire	Old.					
Note	Aspect: North-east. Bareground: 35% Litter cover: + Logs, + Twigs, 5% Lvs. Disturbance type: Kangaroo tracks, large erosion area just outside, roads 20m away and rail is 100m away.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	4%		0.5-2.5m	QT031.01	
	Acacia stellaticeps	1%		0.5m	QT031.12	
	Aristida holathera var. latifolia	2%		0.4m	QT025.02	
	Calandrinia quadrivalvis	+		0.1m	QT031.09	
	Cassylia capillaris	1%		CL	QT025.04	
	Cenchrus ciliaris	3%		0.3m	QT001.16	
	Centaurium spicatum	+		0.1m	QT031.08	
	Corchorus incanus subsp. incanus	1%		0.4m	QT027.06	
	Crotalaria cunninghamii	+		0.1m	QT031.11	
	Eragrostis falcata	+		0.3m	QT031.19	
	Eriachne obtusa	+		0.2m	QT031.10	
	Eriachne obtusa	2%		0.3m	QT025.03	
	Eucalyptus victrix	3%		1-4m	QT031.13	
	Flaveria australasica	+		0.3m	QT031.02	
	Hybanthus aurantiacus	+		0.2m	QT025.06	
	Myoporum montanum	+		0.5m	QT031.15	
	Plucheia ferdinandi-muelleri	1%		0.3m	QT031.04	
	Plucheia rubelliflora	+		0.1m	QT031.17	
	Plucheia tetranthera	1%		0.3m	QT025.16	
	Ptilotus polystachyus var. arthrotrichus	+		0.3m	QT025.07	
	Rhynchosia minima var. australis	+		0.2m	QT031.06	
	Solanum cleistogamum	+		0.3m	QT025.13	
	Sporobolus virginicus	+		0.3m	QT031.18	
	Stemodia grossa	+		0.1-0.3m	QT031.03	
	Stemodia lathraia	+		0.1m	QT031.07	
	Swainsona pterostylis	+		0.3m	QT031.05	
	Tephrosia leptoclada	+		0.1m	QT025.14	
	Triodia epactia	50%		0.3m	QT018.09	
	Triodia secunda	10%		0.3m	QT031.16	
	Whiteochloa airoides	+		0.5m	QT031.14	

Quantum Flora 1 Site QT032

Described ML **Date** 10/3/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio South east of Boodaire Iron Plant.

MGA 50 661302 **mE** 7745052 **mN**

Habitat Sand plain.

Soil Red, orange sandy loam.

Rock

Vegetatio Eucalyptus victrix scattered low trees over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia secunda hummock grassland over Aristida holathera var. latifolia and Chrysopogon fallax tussock grasslands over Cassytha capillaris scattered herbs.

Veg Excellent.

Fire Old.

Note Bareground: 20%
Litter cover: + Logs, 1% Twigs, 2% Lvs.
Disturbance type: Rabbit holes.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	5%		<0.5m	QT024.04	
	Acacia tumida var. pilbarensis	+		0.75m	QT032.03	
	Aristida holathera var. latifolia	1%		<0.5m	QT032.05	
	Aristida holathera var. latifolia	10%		<0.5m	QT024.05	
	Cassytha capillaris	2%		CR	QT024.20	
	Chrysopogon fallax	2%		0.5-0.75m	QT024.08	
	Crotalaria ramosissima	+		<0.2m	QT032.06	
	Cyperus blakeanus	+		<0.3m	QT024.19	
	Eriachne obtusa	1%		<0.4m	QT024.02	
	Eucalyptus victrix	1%		2m	QT032.07	
	Evolvulus alsinoides var. decumbens	+		<0.1m	QT032.08	
	Hybanthus aurantiacus	1%		<0.3m	QT029.07	
	Mollugo molluginea	+		0.3m	QT032.04	
	Ptilotus fusiformis var. fusiformis	+		<0.3m	QT032.01	
	Schizachyrium fragile	+		<0.2m	QT032.09	
	Sida aff. fibulifera (HD148-13)	+		<0.3m	QT029.13	
	Solanum cleistogamum	+		0.3m	QT032.02	
	Solanum diversiflorum	+		0.3m	QT009.02	
	Triodia epactia	60%		<0.5m	QT024.03	
	Triodia secunda	2%		<0.2m	QT024.06	

Quantum Flora 1 Site QT033

Described	BC	Date	10/3/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	West of plant.					
MGA	50		657168	mE		7747045 mN
Habitat	Sand plain.					
Soil	Orange loamy sand, some dry cracking sections.					
Rock						
Vegetatio	Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia epactia and Triodia schinzii hummock grassland over Aristida holathera var. latifolia and Aristida holathera var. latifolia tussock grassland.					
Veg	Very Good.					
Fire	Old.					
Note	Bareground: 50% Litter cover: + Twigs, + Lvs. Disturbance type: Track nearby.					

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	<0.7m	QT026.20	
	Acacia stellaticeps	2%	<0.4m	QT026.21	
	Acacia stellaticeps	8%	<0.5m	QT030.11	
	Acacia stellaticeps	+	0.2m	QT033.08	
	Aristida holathera var. latifolia	1%	<0.5m	QT033.06	
	Cassytha capillaris	+	CL	QT026.05	
	Chrysopogon fallax	+	<0.5m	QT033.07	
	Eriachne obtusa	+	<0.3m	QT028.05	
	Eriachne obtusa	1%	<0.5m	QT033.02	
	Eriachne obtusa	+	0.3m	QT033.03	
	Eulalia aurea	2%	0.3m	QT033.04	
	Goodenia sp.	+	<0.3m	QT033.11	
	Pluchea tetranthera	4%	<0.5m	QT026.08	
	Pterocaulon serrulatum	+	0.3m	QT033.10	
	Sida aff. fibulifera	+	<0.2m	QT026.13	
	Triodia epactia	2%	<0.5m	QT026.01	
	Triodia epactia	4%	<0.5m	QT033.01	
	Triodia schinzii	1%	<0.5m	QT033.09	
	Triodia secunda	+	<0.2m	QT026.04	

Quantum Flora 1 Site QT034

Described EC **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **658457 mE** **7746944 mN**

Habitat Sand plain.

Soil Orangey brown loamy sand - some areas of hard clay crust.

Rock

Vegetatio Acacia stellaticeps low shrubland over Triodia schinzii and Triodia epactia hummock grassland over Aristida holathera var. latifolia and *Cenchrus ciliaris tussock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 30%
Litter cover: 1% Twigs, 2% Lvs.
Disturbance type: Buffel.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	3m	QT034.05	
	Acacia sericophylla	+	1m	QT034.04	
	Acacia stellaticeps	15%	0.3-0.8m	QT025.01	
	Aristida holathera var. latifolia	4%	0.3m	QT025.02	
	Cassytha capillaris	+	CL	QT025.04	
	Cenchrus ciliaris	2%	0.3m	QT001.16	
	Chrysopogon fallax	1%	0.5m	QT027.09	
	Crotalaria cunninghamii	+	0.2m	QT031.11	
	Cyperus blakeanus	+	0.3m	QT025.17	
	Dodonaea coriacea	+	0.4m	QT025.15	
	Eriachne obtusa	4%	0.3m	QT025.03	
	Eriachne obtusa	+	0.3m	QT034.03	
	Mollugo molluginea	+	0.1m	QT034.01	
	Pluchea tetranthera	+	0.3m	QT025.16	
	Ptilotus polystachyus var. arthrotrichus	+	0.2m	QT072.08	
	Senna notabilis	+	0.3m	QT024.14	
	Solanum cleistogamum	+	0.2m	QT025.13	
	Triodia epactia	3%	0.2m	QT061.06	
	Triodia schinzii	30%	0.3m	QT034.02	

Quantum Flora 1 Site QT035

Described ML **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m

Locatio North West of Boodarie Plant.

MGA 50 **658486 mE** **7747485 mN**

Habitat Sand plain.

Soil Red brown sandy loam.

Rock

Vegetatio Triodia epactia, Triodia secunda and Triodia longiceps hummock grassland.

Veg Excellent.

Fire Moderate.

Note Bareground: 30%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia stellaticeps	+	<0.5m	QT024.04	
	Aristida holathera var. latifolia		<0.4m	QT024.05	
	Cassytha capillaris	1%		QT009.06	
	Chrysopogon fallax	1%	0.5-0.75m	QT024.08	
	Cyperus blakeanus	1%	<0.3m	QT024.19	
	Eriachne obtusa	+	0.4m	QT024.02	
	Eriachne obtusa	1%	<0.3m	QT035.04	
	Eulalia aurea	2%	<0.5m	QT035.02	
	Streptoglossa bubakii	+	0.4m	QT016.16	
	Triodia epactia	35%	<0.5m	QT024.03	
	Triodia longiceps	4%	<0.5m	QT035.03	
	Triodia secunda	20%	<0.3m	QT035.01	

Quantum Flora 1 Site QT036

Described Season	Date	Type Q	50x50m
		Uniformity	
Locatio	North west of Boodarie Plant.		
MGA		mE	mN
Habitat	Plain.		
Soil	Orangey brown, clay/loam sand with hard clay areas; with a stoney patch.		
Rock	Quartz and Ironstone.		
Vegetatio	Triodia secunda and Triodia secunda closed hummock grassland.		
Veg	Excellent.		
Fire	Old.		
Note	Bareground: 25% Litter cover: 1% Lvs. Note: Areas of just spinifex lie amongst plots like QT034.		

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	1m	QT044.06	
	Aristida holathera var. latifolia	+	0.3m	QT025.02	
	Bulbostylis barbata			QT036.05	
	Cenchrus ciliaris	1%	0.3m	QT001.16	
	Chrysopogon fallax	+	0.6m	QT027.09	
	Eragrostis cumingii	+	0.1m	QT036.04	
	Eriachne obtusa	+	0.3m	QT025.03	
	Fimbristylis sp.	+	0.2m	QT036.02	
	Pluchea tetranthera	+	0.3m	QT025.16	
	Pterocaulon sphacelatum	+	0.3m	QT036.03	
	Triodia secunda	75%	0.2-0.3m	QT036.01	
	Triodia secunda	3%	0.3m	QT018.09	

Quantum Flora 1 Site QT037

Described BC **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m

Season

Locatio West of Boodarie Plant.

MGA 50 **658734 mE** **7747878 mN**

Habitat Sand plain.

Soil Orange creamy sand.

Rock

Vegetatio Acacia stellaticeps low shrubland over Triodia epactia and Triodia secunda open hummock

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, 2% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		0.3m	QT026.20	
	Acacia stellaticeps	+		0.3m	QT037.01	
	Acacia stellaticeps	25%		<0.7m	QT030.11	
	Acacia stellaticeps	+		0.2m	QT037.02	
	Aristida holathera var. latifolia	10%		<0.5m	QT033.06	
	Cassytha capillaris	+			QT026.05	
	Eriachne obtusa	+		0.3m	QT033.02	
	Eriachne obtusa	+		0.3m	QT033.03	
	Eriachne obtusa	+		0.3m	QT028.05	
	Evolvulus alsinoides var. decumbens	+		0.1m	QT028.12	
	Mollugo molluginea	+		0.2m	QT026.22	
	Pluchea tetranthera	+		<0.4m	QT026.08	
	Solanum cleistogamum	+		0.2m	QT025.13	
	Triodia epactia	10%		<0.5m	QT033.01	
	Triodia epactia	5%		<0.5m	QT026.01	
	Triodia secunda	5%		0.2m	QT026.04	

Quantum Flora 1 Site QT038

Described ML **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **659469 mE** **7747655 mN**

Habitat Spinifex plain with minor depression.

Soil Brown sandy loam.

Rock

Vegetatio Eucalyptus victrix scattered low trees over Acacia colei var. colei high open shrubland over Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia secunda hummock

Veg Excellent.

Fire Old to Moderate.

Note Bareground: 15%
Litter cover: 2% Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover	Height	Specime	Notes
	Acacia colei var. colei	2%	1-3m	QT029.10	
	Acacia stellaticeps	2%	<0.5m	QT024.04	
	Cassyltha capillaris	2%		QT024.20	
	Eragrostis falcata	1%	<0.4m	QT038.04	
	Eucalyptus victrix	1%	4m	QT038.02	
	Pluchea rubelliflora	+	0.3m	QT038.01	
	Pluchea tetranthera	1%	<0.5m	QT024.01	
	Pterocaulon sphacelatum	+	0.2m	QT038.03	
	Triodia secunda	70-80%	<0.4m	QT035.01	

Quantum Flora 1 Site QT039

Described EC **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **660115 mE** **7749276 mN**

Habitat Plain.

Soil Orangey light brown loamy sand.

Rock Limestone outcrops.

Vegetatio Acacia bivenosa and Acacia colei var. colei open shrubland over Corchorus incanus subsp. incanus, Scaevola amblyanthera var. centralis and Sida pilbarensis (ferruginous form) low open shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 30%
Litter cover: 1% Lvs.
Disturbance type: Road is 50m away.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia bivenosa	1%		1-1.5m	QT039.19	
	Acacia bivenosa	5%		1-3m	QT039.02	
	Acacia colei var. colei	10%		0.5-3m	QT044.06	
	Adriana urticoides var. urticoides	+		1m	QT039.13	
	Aristida holathera var. latifolia	+		0.3m	QT025.02	
	Cassytha capillaris	+		CR	QT025.04	
	Cenchrus ciliaris	+		0.4m	QT001.16	
	Chrysopogon fallax	+		0.5m	QT027.09	
	Corchorus incanus subsp. incanus	2%		0.3m	QT027.06	
	Crotalaria ramosissima	+		0.3m	QTR1.02	
	Euphorbia sp.	+		0.2m	QT039.03	
	Fimbristylis sp.	+		0.3m	QT036.02	
	Hakea lorea subsp. lorea	+		1m	QT039.09	
	Hybanthus aurantiacus	+		0.2m	QT039.04	
	Maireana sp.	+		0.5m	QT039.07	
	Myoporum montanum	+		0.4m	QT039.05	
	Pluchea tetranthera	+		0.3m	QT025.16	
	Scaevola amblyanthera var. centralis	1%		0.3m	QT039.15	
	Scaevola spinescens (narrow form)	+		0.3m	QT039.10	
	Sida billbarkeri	+		0.4m	QT027.10	
	Sida billbarkeri	+		0.3m	QT027.10	
	Sida pilbarensis (ferruginous form)	1%		0.3m	QT039.06	
	Solanum cleistogamum	+		0.1m	QT025.13	
	Solanum diversiflorum	+		0.2m	QT039.01	
	Solanum diversiflorum	+		0.3m	QT026.02	
	Solanum phlomoides	+		0.3m	QTR1.03	
	Streptoglossa decurrens	+		0.2m	QT039.11	
	Swainsona pterostylis	+		0.1m	QT031.05	
	Threlkeldia diffusa	+		0.3m	QT039.14	
	Trianthema turgidifolia	+		0.3m	QT039.08	
	Triodia epactia	55%		0.3m	QT018.09	

Quantum Flora 1 Site QT040

Described ML **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m
Season
Locatio West of conveyor.
MGA 50 660663 **mE** 7749253 **mN**
Habitat Mangroves.
Soil Brown mud.
Rock
Vegetatio Avicennia marina high shrubland over Halosarcia halocnemoides low open shrubland.
Veg Excellent.
Fire Old.
Note Bareground: 55%
 Litter cover: 2% Logs, 1% Twigs, + Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	40%	1-4m	QT006.07	
	Halosarcia halocnemoides	5%	<0.5m	QT046.01	

Quantum Flora 1 Site QT041

Described EC **Date** 10/3/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio Near the corner of tracks and old track near plant.

MGA 50 **660208 mE** **7748259 mN**

Habitat Sand plain.

Soil Light orangey brown loamy sand.

Rock

Vegetatio Acacia colei var. colei scattered shrubs over Acacia stellaticeps and Crotalaria ramosissima scattered low shrubs over Triodia epactia and Triodia secunda hummcok grasslands.

Veg Very Good.

Fire Old.

Note Bareground: 30%
Litter cover: 1% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	1%	1m	QT044.06	
	Acacia stellaticeps	+	0.3m	QT041.04	
	Acacia stellaticeps	2%	0.4m	QT001.04	
	Aristida holathera var. latifolia	2%	0.5m	QT025.02	
	Cenchrus ciliaris	2%	0.3m	QT001.16	
	Chrysopogon fallax	1%	0.5m	QT027.09	
	Crotalaria ramosissima	+	0.3m	QTR1.02	
	Eriachne obtusa	+	0.3m	QT025.03	
	Eriachne obtusa	+	0.3m	QT041.02	
	Evolvulus alsinoides var. decumbens	+	0.1m	QT041.03	
	Fimbristylis sp.	+	0.3m	QT036.02	
	Hybanthus aurantiacus	+	0.1m	QT025.06	
	Pluchea tetranthera	1%	0.3m	QT041.01	
	Sida billbarkeri	+	0.4m	QT027.10	
	Triodia epactia	30%	0.3m	QT018.09	
	Triodia secunda	20%	0.3m	QT036.01	

Quantum Flora 1 Site QT042

Described EC **Date** 10/3/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 657969 **mE** 7748288 **mN**

Habitat Samphire flats.

Soil Orangey brown waterlogged sand.

Rock Deposited quartz and shells and ironstone.

Vegetatio Halosarcia halocnemoides subsp. catenulata, Halosarcia indica subsp. leiostachya and Halosarcia auriculata low open shrubland.

Veg Very Good.

Fire Old.

Note Bareground: 90%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Track and fence nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Halosarcia auriculata	2%		0.3m	QT042.03	
	Halosarcia halocnemoides subsp. catenulata	3%		0.3m	QT042.01	
	Halosarcia indica subsp. leiostachya	2%		0.3m	QT042.02	

Quantum Flora 1 Site QT043

Described BC **Date** 10/4/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio West of tailings dam.

MGA 50 657717 **mE** 7746673 **mN**

Habitat Sandy plain, slight depression.
Soil Creamy orange sand.
Rock
Vegetatio Acacia stellaticeps low shrubland over Triodia epactia and Triodia secunda very open hummock grassland over Aristida holathera var. latifolia very open tussock grassland.

Veg Very Good.
Fire Old.
Note Bareground: 55%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track is 200m away.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		0.4m	QT026.20	
	Acacia stellaticeps	25%		<0.5m	QT043.01	
	Aristida holathera var. latifolia	4%		0.3m	QT043.03	
	Bulbostylis barbata	+		0.1m	QT026.14	
	Eragrostis falcata	1%		0.3m	QT043.04	
	Eragrostis falcata	+		0.1m	QT043.11	
	Eriachne obtusa	+		0.3m	QT043.07	
	Eriachne obtusa	+		0.3m	QT043.05	
	Eriachne obtusa	1%		0.3m	QT043.06	
	Eriachne sp. Port Hedland	+		0.3m	QT043.08	
	Mollugo molluginea	+		0.1m	QT026.22	
	Mollugo molluginea	+		0.1m	QT043.10	
	Pluchea tetranthera	+		<0.5m	QT051.03	
	Senna notabilis	+		0.4m	QT024.14	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QT043.09	
	Triodia epactia	10%		<0.5m	QT043.02	
	Triodia secunda	1%		0.1m	QT026.04	

Quantum Flora 1 Site QT044

Described EC **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **657523 mE** **7746013 mN**

Habitat Sand plain.

Soil Light orangey tan sand with some clay.

Rock

Vegetatio Acacia colei var. colei open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland over Eragrostis speciosa, Eriachne obtusa and *Cenchrus ciliaris very open tussock grasses over Cyperus blakeanus scattered sedges.

Veg Excellent.

Fire Old.

Note Bareground: 40%
Litter cover: 1% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	3%	1-2.5m	QT044.06	
	Acacia stellaticeps	2%	0.5m	QT001.04	
	Bulbostylis barbata	+	0.1m	QT044.04	
	Cassytha capillaris	+		QT025.04	
	Cenchrus ciliaris	6%	0.4m	QT001.16	
	Chrysopogon fallax	+	0.5m	QT027.09	
	Cyperus blakeanus	1%	0.3m	QT044.01	
	Cyperus squarrosus	+	0.1m	QT044.11	
	Eragrostis speciosa	3%	0.4m	QT044.07	
	Eragrostis speciosa	+	0.05m	QT044.10	
	Eragrostis speciosa	+	0.2m	QT044.05	
	Eriachne aristidea	+	0.2m	QT044.12	
	Eriachne obtusa	2%	0.3m	QT044.02	
	Fimbristylis sp.	+	0.2m	QT044.08	
	Hybanthus aurantiacus	+	0.1m	QT025.06	
	Mimulus gracilis	+	0.1m	QT044.03	
	Rotala diandra	+	0.5m	QT044.09	
	Stemodia lathraia	+	0.2m	QT044.14	
	Stemodia lathraia	+	0.05m	QT044.15	
	Triodia epactia	35%	0.3m	QT018.09	
	Triodia secunda	2%	0.3m	QT036.01	

Quantum Flora 1 Site QT045

Described ML **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m

Locatio West of Boodarie Iron.

MGA 50 **657812 mE** **7745895 mN**

Habitat Sand plain.

Soil Light brown red randy laom

Rock

Vegetatio Carissa lanceolata scattered tall shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia schinzii hummock grassland and Aristida holathera var. latifolia open tussock

Veg Very Good.

Fire Old to Moderate.

Note Bareground: 15%
Litter cover: + Logs, 2% Twigs, 2% Lvs.
Disturbance type: Cenchrus, rabbit holes.
Notes: Typical sand plain site.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	1m	QT029.10	
	Acacia stellaticeps	25%	<0.5m	QT024.04	
	Aristida holathera var. latifolia	15%	<0.4m	QT024.05	
	Bulbostylis barbata	++	<0.1m	QT024.18	
	Carissa lanceolata	1%	2.5m	QT045.02	
	Cassyltha capillaris	+		QT024.20	
	Cenchrus ciliaris	1%	<0.3m	QT002.03	
	Chrysopogon fallax	5%	<0.5m	QT024.08	
	Eriachne obtusa	2%	<0.3m	QT024.02	
	Pluchea tetranthera	+	0.4m	QT045.03	
	Schizachyrium fragile	+	<0.1m	QT032.09	
	Sida aff. fibulifera (HD148-13)	+	0.3m	QT029.13	
	Triodia epactia	35%	<0.5m	QT045.01	
	Triodia epactia	1%	<0.4m	QT045.04	
	Triodia schinzii	1%	<0.6m	QT045.05	

Quantum Flora 1 Site QT046

Described EC **Date** 10/4/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 654927 **mE** 7747595 **mN**

Habitat Mangroves.

Soil Red brown mud.

Rock

Vegetatio Avicennia marina and Ceriops tagal high shrubland.

Veg

Fire

Note Bareground: 50%

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Avicennia marina	60%	1-3m	QT008.02	
	Ceriops tagal	20%	1-3m	QT008.01	
	Halosarcia halocnemoides	1%	0.3m	QT046.01	
	Hemichroa diandra	+	0.3m	QT046.03	
	Muellerolimon salicorniaceum	+	0.3m	QT046.02	

Quantum Flora 1 Site QT047

Described EC **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA mE **mN**

Habitat Samphire flats.

Soil Red brown clayey waterlogged sand.

Rock

Vegetatio Halosarcia halocnemoides subsp. tenuis low open shrubland.

Veg Excellent.

Fire Old.

Note Bareground: 85%
Disturbance type: Track is 50m away.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Frankenia pauciflora	+		0.3m	QT047.03	
	Halosarcia halocnemoides subsp. catenulata	+		0.3m	QT047.06	
	Halosarcia halocnemoides subsp. tenuis	5%		0.3m	QT047.02	
	Halosarcia indica subsp. leiostachya	+		0.3m	QT047.01	
	Hemichroa diandra	+		0.3m	QT047.04	
	Muellerolimon salicorniaceum	1%		0.3m	QT047.05	

Quantum Flora 1 Site QT048

Described EC **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **654506 mE** **7745848 mN**

Habitat Sandplain.

Soil Orangey brown sand.

Rock

Vegetatio Acacia colei var. colei and Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia open hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 20%
Litter cover: + Twigs, 1% Lvs.
Disturbance type: Road nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		0.8m	QT044.06	
	Acacia colei var. colei	+		0.5m	QT048.04	
	Acacia stellaticeps	20%		0.5m	QT001.04	
	Aristida holathera var. latifolia	1%		0.4m	QT025.02	
	Chrysopogon fallax	15%		0.4m	QT048.06	
	Corchorus incanus subsp. incanus	+		0.3m	QT048.03	
	Dodonaea coriacea	2%		0.5m	QT025.15	
	Eriachne obtusa	1%		0.3m	QT044.02	
	Hakea lorea subsp. lorea	2%		1m	QT048.01	
	Leptosema anomalum	+		0.3m	QT048.07	
	Pluchea tetranthera	+		0.3m	QT048.02	
	Triodia epactia	5%		0.3m	QT018.09	
	Triodia epactia	15%		0.4m	QT048.05	

Quantum Flora 1 Site QT049

Described ML **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m
Season
Locatio West of Boodarie Iron.
MGA 50 **654692 mE** **7746972 mN**
Habitat Sand plain.
Soil Red light brown sandy loam.
Rock
Vegetatio Acacia colei var. colei scattered shrubs over Triodia epactia and Triodia secunda hummock grassland over Aristida sp. Panicum decompositum open tussock grassland.
Veg Very Good.
Fire Old.
Note Litter cover: + Twigs, + Lvs.
 Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	1%		0.5-1m	QT049.04	
	Aristida sp.	28%		<0.5m	QT049.02	
	Cassytha capillaris	1%		CR	QT024.20	
	Cenchrus ciliaris	+		0.4m	QT049.06	
	Fimbristylis sp.	+		<0.1m	QT049.03	
	Panicum decompositum	10%		<0.5m	QT049.01	
	Pluchea tetranthera	1%		<0.5m	QT045.03	
	Swainsona pterostylis	+		<0.3m	QT049.05	
	Triodia epactia	30%		<0.3m	QT045.01	
	Triodia secunda	18%		<0.3m	QT035.01	

Quantum Flora 1 Site QT050

Described EC **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio

MGA 50 **654497 mE** **7746751 mN**

Habitat Sand plain with a slight rise.

Soil Light orangey brown loamy sand.

Rock

Vegetatio Acacia colei var. colei open shrubland over Acacia stellaticeps scattered low shrubs over Triodia epactia scattered hummock grasses over Aristida holathera var. latifolia and Chrysopogon fallax very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 30%

Litter cover: + Lvs.

Disturbance type: Road is 100m away; old tyre marks in site.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	3%		0.5-2.5m	QT044.06	
	Acacia stellaticeps	2%		0.5m	QT001.04	
	Aristida holathera var. latifolia	5%		0.3m	QT025.02	
	Bonamia linearis	+		0.1m	QT050.08	
	Bonamia linearis	+			QT050.04	
	Cajanus marmoratus	+			QT050.06	
	Cassyltha capillaris	+		CR	QT025.04	
	Chrysopogon fallax	3%		0.4m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Crotalaria ramosissima	+		0.3m	QT050.02	
	Cyperus blakeanus	+		0.3m	QT044.01	
	Eriachne obtusa	1%		0.3m	QT025.03	
	Glycine canescens	+			QT050.03	
	Hybanthus aurantiacus	+		0.2m	QT050.09	
	Mollugo molluginea	+		0.1m	QT034.01	
	Pluchea tetranthera	+		0.3m	QT025.16	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT050.05	
	Solanum phlomoides	+		0.3m	QT050.07	
	Tephrosia leptoclada	+		0.1m	QT050.10	
	Tephrosia rosea var. venulosa	+		0.5m	QT050.01	
	Triodia epactia	1%		0.3m	QT018.09	
	Triodia secunda	+		0.2m	QT036.01	

Quantum Flora 1 Site QT051

Described BC **Date** 10/4/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio West of Boodarie Plant.

MGA 50 654732 **mE** 7745429 **mN**

Habitat Sand plain.

Soil Creamy orange sand with some patches of crusted salt.

Rock

Vegetatio Pluchea tetranthera low open shrubland over Triodia epactia and Triodia secunda open hummock grassland over Aristida holathera var. latifolia scattered tussock grasses.

Veg Verry Good.

Fire Old.

Note Bareground: 50%
Litter cover: + Twigs, + Lvs.
Disturbance type: 100m from road.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		0.7m	QT026.20	
	Acacia stellaticeps	1%		<0.5m	QT043.01	
	Aristida holathera var. latifolia	2%		<0.5m	QT043.03	
	Cassytha capillaris	+		CL	QT026.05	
	Corchorus incanus subsp. incanus	+		0.2m	QT028.08	
	Eragrostis falcata	+		0.3m	QT043.04	
	Eriachne obtusa	+		0.3m	QT043.07	
	Eriachne obtusa	+		0.3m	QT043.05	
	Eulalia aurea	+		0.5m	QT033.04	
	Hybanthus aurantiacus	1%		0.2m	QT051.02	
	Pluchea ferdinandi-muelleri	+		0.2m	QT051.04	
	Pluchea tetranthera	5%		<0.5m	QT051.03	
	Streptoglossa decurrens	+		<0.2m	QT051.01	
	Triodia epactia	25%		<0.5m	QT043.02	
	Triodia epactia	+		0.5m	QT048.05	
	Triodia secunda	5%		<0.2m	QT026.04	

Quantum Flora 1 Site QT052

Described EC **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m

Locatio Near Gate to tailings dam.

MGA 50 **657790 mE** **7744872 mN**

Habitat Sandplain.

Soil Light orangey brown sand.

Rock

Vegetatio Acacia colei var. colei open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland over Eriachne obtusa scattered tussock grasses.

Veg

Fire

Note

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	8%		0.5-2.5m	QT052.01	
	Acacia stellaticeps	10%		0.5-1m	QT052.02	
	Aristida holathera var. latifolia	+		0.3m	QT025.02	
	Bonamia linearis	+		CL	QT052.06	
	Bulbostylis barbata	+		0.1m	QT052.10	
	Cassytha capillaris	+		CL	QT025.04	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Chrysopogon fallax	+		0.4m	QT027.09	
	Cyperus squarrosus	+		0.05m	QT052.07	
	Eriachne obtusa	2%		0.3m	QT025.03	
	Fimbristylis sp.	+		0.2m	QT036.02	
	Fimbristylis sp.	+		0.05m	QT052.08	
	Hakea lorea subsp. lorea	+		1m	QT052.11	
	Hybanthus aurantiacus	+		0.3m	QT052.09	
	Hybanthus aurantiacus	+		0.2m	QT052.03	
	Mukia maderaspatana	+		CL	QT052.04	
	Pluchea tetranthera	+		0.3m	QT025.16	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QT052.05	
	Triodia epactia	60%		0.4m	QT018.09	
	Triodia schinzii	+		1m	QT052.12	

Quantum Flora 1 Site QT053

Described ML **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **658143 mE** **7744695 mN**

Habitat Sand plain.

Soil Red brown sandy loam.

Rock

Vegetatio Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis and Acacia colei var. colei high open shrubland over Hakea lorea subsp. lorea and Acacia stellaticeps open shrubland over Triodia schinzii and Triodia epactia open hummock grassland over Chrysopogon fallax and Aristida holathera open tussock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 15%
Litter cover: 1% Logs, 2% Twigs, 2% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	0.4m	QT049.04	
	Acacia stellaticeps	5%	<0.5-1.5m	QT024.04	
	Acacia tumida var. pilbarensis	15%	2-4m	QT053.02	
	Aristida holathera	10%	<0.5m	QT049.02	
	Bonamia media	+	<0.2m	QT053.04	
	Cenchrus ciliaris	1%	<0.4m	QT049.06	
	Chrysopogon fallax	10%	<0.65m	QT024.08	
	Corchorus incanus subsp. incanus	1%	<0.5m	QT024.15	
	Crotalaria ramosissima	+	0.2m	QT053.07	
	Cyperus blakeanus	+	0.3m	QT024.19	
	Eriachne obtusa	2%	<0.3m	QT024.02	
	Hakea lorea subsp. lorea	1%	0.5-2m	QT053.01	
	Hybanthus aurantiacus	+	<0.3m	QT029.07	
	Mollugo molluginea	+	0.3m	QT032.04	
	Owenia reticulata	2%	6m	QT053.05	
	Rhynchosia minima var. australis	+	<0.1m	QT009.13	
	Senna notabilis	+	0.4m	QT024.14	
	Sida aff. fibulifera (HD148-13)	+	0.2m	QT053.03	
	Solanum cleistogamum	+	<0.3m	QT032.02	
	Triodia epactia	10%	<0.5m	QT045.01	
	Triodia epactia	2%	<0.5m	QT045.04	
	Triodia schinzii	20%	<0.75m	QT053.06	
	Triumfetta chaetocarpa	1%	<0.3m	QT029.20	
	Waltheria indica	+	0.4m	QT053.08	

Quantum Flora 1 Site QT054

Described EC **Date** 10/4/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio

MGA 50 **659462 mE** **7744955 mN**

Habitat Sand plain.

Soil Orangey brown sand.

Rock

Vegetatio Acacia sericophylla scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia pungens hummock grassland over Chrysopogon fallax scattered tussock grasses over Cyperus blakeanus scattered sedges.

Veg Very Good.

Fire Old.

Note Bareground: 30%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Road and tailings dam 50m away.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia sericophylla	+		1m	QT054.12	
	Acacia stellaticeps	15%		0.6m	QT001.04	
	Bonamia media	+		CR	QT054.05	
	Bonamia media	+		0.2m	QT054.06	
	Bonamia media	+		0.2m	QT054.04	
	Bonamia rosea	+		0.3m	QT054.13	
	Chrysopogon fallax	+		0.3m	QT054.08	
	Chrysopogon fallax	2%		0.4m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Crotalaria ramosissima	+		0.2m	QT054.09	
	Cyperus blakeanus	1%		0.3m	QT044.01	
	Digitaria brownii	+		0.3m	QT054.11	
	Dodonaea coriacea	+		0.3m	QT025.15	
	Eriachne obtusa	1%		0.3m	QT025.03	
	Hybanthus aurantiacus	+		0.3m	QT054.07	
	Indigofera monophylla	+		0.3m	QT054.10	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QT054.02	
	Triodia epactia	60%		0.4m	QT018.09	
	Triodia pungens	3%		0.2m	QT054.01	
	Triumfetta chaetocarpa	+		0.2m	QT054.03	

Quantum Flora 1 Site QT055

Described	BC	Date	10/5/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	South west section of main area.					
MGA	50		654693	mE		7745579 mN
Habitat	Sand plain.					
Soil	Orangey brown sand.					
Rock						
Vegetatio	Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps, Dodonaea coriacea and Corchorus incanus subsp. incanus low shrubland over Triodia epactia hummock grassland.					
Veg	Very Good.					
Fire	Old.					
Note	Bareground: 30% Litter cover: + Twigs, + Lvs. Disturbance type: 100m from track.					

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	1%	<0.5m	QT067.02	
	Acacia colei var. colei	+	<0.5m	QT055.02	
	Acacia stellaticeps	20%	<0.5m	QT043.01	
	Acacia tumida var. pilbarensis	+	2m	QT055.06	
	Cassytha capillaris	+	CL	QT026.05	
	Corchorus incanus subsp. incanus	2%	0.3m	QT028.08	
	Dodonaea coriacea	2%	0.3m	QT026.11	
	Eragrostis falcata	+	0.3m	QT043.04	
	Eriachne obtusa	+	0.3m	QT043.06	
	Eriachne obtusa	2%	<0.5m	QT043.05	
	Eulalia aurea	+	0.3m	QT033.04	
	Glycine canescens	+	CL	QT055.07	
	Goodenia armitiana	+	0.2m	QT055.08	
	Hakea lorea subsp. lorea	2%	<1m	QT055.01	
	Hybanthus aurantiacus	1%	0.2m	QT055.03	
	Leptosema anomalum	+	0.2m	QT055.10	
	Pluchea tetranthera	+	0.7m	QT051.03	
	Polymeria calycina	+	CL	QT055.04	
	Ptilotus polystachyus var. arthrotrichus	+	0.2m	QT055.09	
	Tephrosia rosea var. venulosa	+	<0.7m	QT055.05	
	Triodia epactia	1%	0.3m	QT048.05	
	Triodia epactia	30%	<0.5m	QT043.02	
	Triodia epactia	1%	<0.5m	QT048.05	
	Triodia secunda	+	0.2m	QT026.04	

Quantum Flora 1 Site QT056

Described EC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **655024 mE** **7745386 mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Acacia colei var. colei scattered shrubs over Acacia stellaticeps low open heath over Triodia schinzii and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 25%
Litter cover: 1% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	1%	0.5-1m	QT056.01	
	Acacia stellaticeps	50%	0.5-0.8m	QT001.04	
	Aristida holathera var. latifolia	2%	0.4m	QT025.02	
	Cassytha capillaris	+	CR	QT025.04	
	Cenchrus ciliaris	1%	0.3m	QT001.16	
	Chrysopogon fallax	+	0.5m	QT027.09	
	Corchorus incanus subsp. incanus	+	0.3m	QT027.06	
	Cyperus blakeanus	+	0.2m	QT056.04	
	Eriachne obtusa	1%	0.3m	QT044.02	
	Eriachne obtusa	2%	0.3m	QT025.03	
	Hybanthus aurantiacus	+	0.2m	QT056.02	
	Leptosema anomalum	+	0.2m	QT056.05	
	Triodia epactia	3%	0.3m	QT056.06	
	Triodia schinzii	15%	0.3m	QT056.03	

Quantum Flora 1 Site QT057

Described EC **Date** 10/5/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA 50 **655017 mE** **7745786 mN**

Habitat Drainage line within sand plain - slight depression.

Soil Orange brown sand.

Rock

Vegetatio Acacia colei var. colei scattered shrubs over Acacia stellaticeps, Corchorus incanus subsp. incanus and Pluchea tetranthera low open shrubland over Triodia secunda open hummock grassland over Calandrinia sp. scattered herbs.

Veg Very Good.

Fire Old.

Note Bareground: 70%
Disturbance type: Road at the end, cattle.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	1%		0.3-1m	QT057.04	
	Acacia stellaticeps	8%		0.5m	QT001.04	
	Calandrinia sp.	+		0.2m	QT087.05	
	Cassytha capillaris	+		CR	QT025.04	
	Centipeda minima subsp. macrocephala	+		0.3m	QT057.03	
	Corchorus incanus subsp. incanus	1%		0.3m	QT027.06	
	Crotalaria ramosissima	+		0.2m	QT057.16	
	Crotalaria ramosissima	+		0.1m	QT057.05	
	Eragrostis speciosa	+		0.1m	QT057.08	
	Eragrostis speciosa	+		0.3m	QT057.09	
	Eragrostis speciosa	1%		0.3m	QT057.10	
	Eriachne obtusa	+		0.3m	QT057.18	
	Euphorbia coghlanii	+		0.2m	QT057.13	
	Fimbristylis sp.	+		0.2m	QT057.06	
	Gomphrena sordida	+		0.1m	QT057.17	
	Ipomoea optica	+		0.3m	QT057.14	
	Ipomoea muelleri	+		CR	QT057.15	
	Pluchea tetranthera	1%		0.3m	QT025.16	
	Pluchea tetranthera	+		0.3m	QT057.12	
	Senna notabilis	+		0.3m	QT024.14	
	Sesbania cannabina	+		0.3m	QT057.01	
	Sporobolus virginicus	1%		0.2m	QT057.02	
	Stemodia lathraia	+		0.1m	QT057.11	
	Triodia epactia	+		0.4m	QT018.09	
	Triodia secunda	15-20%		0.5m	QT057.07	

Quantum Flora 1 Site QT058

Described ML **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **655005 mE** **7745064 mN**

Habitat Sand plain wash out area.

Soil Light brown sandy loam.

Rock

Vegetatio Eucalyptus victrix low open woodland over Acacia stellaticeps scattered low shrubs over Eriachne benthamii scattered tussock grasses over Marsilea hirsuta and Goodenia lamprosperma open herbland.

Veg Excellent.

Fire Old to Moderate.

Note Bareground: 30%
Litter cover: + Logs, 1% Twigs, 3% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei			<0.75m	QT029.10	
	Acacia stellaticeps	1%		<0.5m	QT024.04	
	Bergia henschallii			0.05m	QT058.04	
	Eragrostis speciosa	+		<0.1m	QT058.05	
	Eriachne benthamii	1%		<0.5m	QT058.13	
	Eucalyptus victrix			6-8m	QT058.06	
	Eucalyptus victrix			1-4m	QT058.09	
	Eucalyptus victrix	3%		6m	QT058.11	
	Goodenia lamprosperma			<0.5m	QT058.01	
	Goodenia lamprosperma	1%		<0.2m	QT058.03	
	Marsilea hirsuta	29%		<0.1m	QT058.10	
	Sida rohlenae subsp. rohlenae	+		<0.4m	QT058.12	
	Stemodia lathraia	+		<0.1m	QT058.02	
	Triodia epactia			<0.5m	QT058.07	

Quantum Flora 1 Site QT059

Described EC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **655905 mE** **7745215 mN**

Habitat Sand plain.

Soil Light orangey brown sand

Rock

Vegetatio Carissa lanceolata and Acacia colei var. colei. high open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 30%
Litter cover: + Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	3%	1-3m	QT044.06	
	Acacia stellaticeps	10%	0.6m	QT001.04	
	Aristida holathera var. latifolia	2%	0.3m	QT025.02	
	Bergia henshallii	+	0.05m	QT058.04	
	Carissa lanceolata	+	0.1m	QT059.02	
	Carissa lanceolata	1%	1-3m	QT059.01	
	Cassytha capillaris	+	CR	QT025.04	
	Cenchrus ciliaris	5%	0.3m	QT001.16	
	Chrysopogon fallax	+	0.5m	QT027.09	
	Corchorus incanus subsp. incanus	1%	0.3m	QT027.06	
	Cyperus blakeanus	+	0.3m	QT044.01	
	Cyperus blakeanus	+	0.2m	QT044.01	
	Eragrostis speciosa	+	0.05m	QT044.10	
	Eriachne obtusa	3%	0.3m	QT059.06	
	Evolvulus alsinoides var. decumbens	+	0.1m	QT059.05	
	Hakea lorea subsp. lorea	+	0.5m	QT059.03	
	Mollugo molluginea	+	0.1m	QT034.01	
	Pluchea tetranthera	+	0.3m	QT025.16	
	Sida billbarkeri	+	0.3m	QT027.10	
	Triodia epactia	35%	0.4m	QT018.09	
	Waltheria indica	+	0.3m	QT059.04	

Quantum Flora 1 Site QT060

Described ML **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **656343 mE** **7745378 mN**

Habitat Spinifex plain.

Soil Red plain loam, with some clay.

Rock

Vegetatio Acacia stellaticeps scattered low shrubs over Triodia epactia and Triodia secunda hummock grassland.

Veg Excellent.

Fire Moderate.

Note Bareground: 40%

Litter cover: + Twigs, 1% Lvs.

Spinifex plain is consistent across whole plain, there are little to no shrubs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		1.1m	QT049.04	
	Acacia stellaticeps	2%		<0.6m	QT024.04	
	Bulbostylis barbata	1%		<0.1m	QT024.18	
	Cassytha capillaris	+		CR	QT024.20	
	Cyperus blakeanus	2%		<0.4m	QT060.02	
	Cyperus squarrosus	+		<0.1m	QT060.04	
	Eragrostis speciosa	+		0.4m	QT060.03	
	Eriachne obtusa	1%		<0.4m	QT024.02	
	Hakea lorea subsp. lorea	+		0.7m	QT029.21	
	Triodia epactia	50%		<0.4m	QT060.01	
	Triodia secunda	3%		<0.3m	QT035.01	

Quantum Flora 1 Site QT061

Described BC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **656269 mE** **7744987 mN**

Habitat Sand plain.

Soil Brown orange sand.

Rock

Vegetatio Carissa lanceolata open shrubland over Acacia stellaticeps low open shrubland over Triodia schinzii and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old to Very Old.

Note Bareground: 30%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track 100m away.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	10%		0.5m	QT043.01	
	Carissa lanceolata	10%		1-2m	QT061.01	
	Cassytha capillaris	+		CL	QT026.05	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Corchorus incanus subsp. incanus	2%		<0.4m	QT028.08	
	Eriachne obtusa	+		0.3m	QT043.06	
	Eriachne obtusa	+		0.3m	QT061.07	
	Hakea lorea subsp. lorea	+		0.5m	QT061.02	
	Hybanthus aurantiacus	+		0.2m	QT061.04	
	Mollugo molluginea	+		0.1m	QT026.22	
	Pluchea tetranthera	+		0.5m	QT051.03	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT061.03	
	Sida pilbarensis (ferruginous form)	+		0.3m	QT061.08	
	Tephrosia simplicifolia	+		0.3m	QT026.18	
	Triodia epactia	20%		<0.5m	QT061.06	
	Triodia schinzii	20%		<0.5m	QT061.05	

Quantum Flora 1 Site QT062

Described BC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Season

Locatio Near track entrance off highway.

MGA 50 **660125 mE** **7743775 mN**

Habitat Sand plain.

Soil Brown orange sand.

Rock

Vegetatio Corymbia sp. scattered low trees over Acacia stellaticeps, Corchorus incanus subsp. incanus and Indigofera monophylla low shrubland over Triodia schinzii and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, 7% Lvs.
Disturbance type: 100m from track.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	1%	1m	QT067.02	
	Acacia sp.	+	1m	QT062.03	
	Acacia stellaticeps	15%	0.5-1m	QT043.01	
	Corchorus incanus subsp. incanus	2%	<0.4m	QT028.08	
	Corymbia sp.	2%	2-3m	QT062.04	
	Eriachne obtusa	+	0.3m	QT043.05	
	Indigofera monophylla	3%	<0.4m	QT062.01	
	Pimelea ammodarid	+	0.7m	QT062.02	
	Pluchea tetranthera	+	0.5m	QT051.03	
	Triodia epactia	10%	0.5m	QT065.07	
	Triodia schinzii	20%	0.5m	QT061.05	

Quantum Flora 1 Site QT063

Described ML **Date** 10/5/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 660274 **mE** 7744344 **mN**

Habitat Sand plain.

Soil Red, orange, brown, sandy loam.

Rock

Vegetatio Corymbia flavescens low open woodland over Acacia colei var. colei open shrubland over Acacia stellaticeps low open heath over Triodia epactia open hummock grassland over *Cenchrus ciliaris tussock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 10%
Litter cover: 1% Logs, 2% Twgs, 3% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	3%	0.5-1.5m	QT049.04	
	Acacia stellaticeps	60%	<0.7m	QT024.04	
	Carissa lanceolata	+	1.2m	QT063.02	
	Cenchrus ciliaris	8%	<0.5m	QT049.06	
	Corchorus incanus subsp. incanus	1%	<0.4m	QT024.15	
	Corymbia flavescens	4%	2-4m	QT063.01	
	Cyperus blakeanus	+	<0.3m	QT060.02	
	Eriachne obtusa	+	<0.4m	QT024.02	
	Hakea lorea subsp. lorea	1%	0.65m	QT063.04	
	Hybanthus aurantiacus	+	<0.4m	QT029.07	
	Marsilea hirsuta	+	<0.1m	QT063.04B	
	Mukia maderaspatana	+	CR	QT002.06	
	Pluchea tetranthera	+	<0.3m	QT045.03	
	Sida billbarkeri	+	0.2m	QT063.06	
	Sida billbarkeri	+	0.2m	QT063.05	
	Sida pilbarensis (ferruginous form)	+	<0.4m	QT063.03	
	Sida rohlena subsp. rohlena	+	0.4m	QT058.12	
	Solanum cleistogamum	+	0.2m	QT032.02	
	Triodia epactia	20%	<0.4m	QT060.01	
	Triodia lanigera	+	<0.4m	QT063.08	
	Triodia schinzii	1%	0.5-1m	QT053.06	
	Waltheria indica	+	<0.3m	QT063.07	

Quantum Flora 1 Site QT064

Described EC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **658122 mE** **7743956 mN**

Habitat Sand plain - slight rise.

Soil Light orange brown sand.

Rock

Vegetatio Dolichandrone heterophylla scattered low trees over Acacia tumida var. pilbarensis shrubland over Acacia stellaticeps low open shrubland over Triodia epactia open hummock grassland over Eriachne obtusa very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 35%
Litter cover: + Twigs, 2% Lvs.
Disturbance type: Fence and road nearby.
Kangaroo tracks and beds in site.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia coriacea subsp. coriacea	+		1m	QT064.01	
	Acacia sericophylla	+		0.7m	QT064.05	
	Acacia stellaticeps	+		0.3m	QT064.11	
	Acacia stellaticeps	3%		0.7m	QT001.04	
	Acacia tumida var. pilbarensis	15%		1-2m	QT064.02	
	Aerva javanica	+		0.4m	QT001.05	
	Aristida holathera var. latifolia	+		0.4m	QT025.02	
	Bonamia media	+		0.3m	QT064.16	
	Bonamia sp. (HD94-6)	+		0.1m	QT064.04	
	Cajanus marmoratus	+		CR	QT064.14	
	Chrysopogon fallax	+		0.5m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Crotalaria ramosissima	+		0.2m	QT064.09	
	Dolichandrone heterophylla	1%		4m	QT064.13	
	Dolichandrone heterophylla	+		0.3m	QT064.06	
	Eriachne obtusa	3%		0.3m	QT044.02	
	Euphorbia sp.	+		0.1m	QT064.08	
	Hybanthus aurantiacus	+		0.2m	QT064.12	
	Hybanthus aurantiacus	+		0.1m	QT064.07	
	Indigofera monophylla	+		0.3m	QT064.03	
	Mollugo molluginea	+		0.1m	QT064.15	
	Triodia epactia	25%		0.3m	QT018.09	
	Triumfetta chaetocarpa	+		0.1m	QT064.10	

Quantum Flora 1 Site QT065

Described BC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio Along Whim Creek road.

MGA 50 **658561 mE** **7743650 mN**

Habitat Open sandy plain.
Soil Brown, orange sand.
Rock
Vegetatio Acacia colei var. colei scattered shrubs over Acacia stellaticeps scattered low shrubs over Triodia epactia and Triodia secunda open hummock grassland.

Veg Very Good.
Fire Old.
Note Bareground: 60%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	Height	Specime	Notes
	Acacia colei var. colei	1%	1-2m	QT067.02	
	Acacia coriacea subsp. coriacea	+	1m	QT065.02	
	Acacia stellaticeps	1%	<0.7m	QT065.01	
	Acacia stellaticeps	1%	0.5m	QT043.01	
	Bulbostylis barbata	+	0.1m	QT90.05	
	Carissa lanceolata	+	<1m	QT061.01	
	Corymbia flavescens		2m	QT065.08	
	Eragrostis cumingii	+	0.1m	QT065.03	
	Eragrostis falcata	+	0.1m	QT043.11	
	Fimbristylis sp.	+	0.3m	QT065.05	
	Fimbristylis sp.	+	0.2m	QT065.06	
	Pluchea tetranthera	+	0.5m	QT051.03	
	Triodia epactia	25%	<0.5m	QT065.07	
	Triodia secunda	5%	<0.2m	QT026.04	

Quantum Flora 1 Site QT066

Described ML **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **658706 mE** **7744229 mN**

Habitat Sand plain.

Soil Red orangey sandy loam.

Rock Ironstone (minimal).

Vegetatio Corymbia flavescens and Eucalyptus victrix scattered low trees over Acacia colei var. colei and Carissa lanceolata open shrubland over Acacia stellaticeps low open heath over Triodia epactia and Triodia schinzii hummock grassland.

Veg Excellent.

Fire Old.

Note Litter cover: 1% Logs, 2% Twigs, 3% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	5%		0.5-2m	QT049.04	
	Acacia coriacea subsp. coriacea	+		1m	QT066.01	
	Acacia stellaticeps	40%		<0.75m	QT024.04	
	Carissa lanceolata	1%		<0.5m	QT045.02	
	Carissa lanceolata	2%		1.2m	QT063.02	
	Corymbia flavescens	2%		1-3m	QT063.01	
	Cyperus blakeanus	+		0.4m	QT060.02	
	Eriachne benthamii	+		<0.4m	QT058.13	
	Eriachne obtusa	1%		<0.3m	QT024.02	
	Eucalyptus victrix			1-1.5m	QT066.02	
	Hakea lorea subsp. lorea	+		0.6m	QT063.04	
	Sida billbarkeri	+		0.4m	QT063.06	
	Sida rohlenae subsp. rohlenae	+		<0.3m	QT058.12	
	Triodia epactia	45%		<0.75m	QT045.01	
	Triodia schinzii	3%		0.4-1m	QT053.06	

Quantum Flora 1 Site QT067

Described BC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **659172 mE** **7743127 mN**

Habitat Slight depression between sandy plains.

Soil Brown, orange sand with dry crust on the surface.

Rock

Vegetatio Eucalyptus victrix and Corymbia flavescens low open woodland over Acacia coleii var. coleii and Acacia coriacea subsp. coriacea shrubland over Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 30%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia coleii var. coleii	15%	1-2m	QT067.02	
	Acacia coriacea subsp. coriacea	+	1m	QT067.11	
	Acacia coriacea subsp. coriacea	1%	1m	QT065.02	
	Acacia stellaticeps	15%	0.5m	QT043.01	
	Acacia tumida var. pilbarensis			QT067.01B	
	Carissa lanceolata	+	0.7m	QT061.01	
	Corchorus incanus subsp. incanus	+	0.2m	QT028.08	
	Corymbia flavescens	2%	2m	QT065.08	
	Eragrostis cumingii	+	0.1m	QT067.07	
	Eragrostis cumingii	+	0.1m	QT067.04	
	Eriachne obtusa	+	0.3m	QT043.06	
	Eriachne obtusa	+	0.2m	QT067.03	
	Eriachne obtusa	+	0.2m	QT043.05	
	Eriachne sp. Port Hedland	+	0.2m	QT067.06	
	Eucalyptus victrix	5%	1-3m	QT067.01	
	Evolvulus alsinoides var. decumbens	+	0.3m	QT067.09	
	Indigofera monophylla	1%	0.3m	QT067.08	
	Pluchea tetranthera	+	0.3m	QT067.10	
	Pluchea tetranthera	1%	0.5m	QT051.03	
	Schizachyrium fragile	+	0.1m	QT067.05	
	Triodia epactia	15%	<0.5m	QT067.12	

Quantum Flora 1 Site QT068

Described EC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **658856 mE** **7742867 mN**

Habitat Sand plain.

Soil Light orange brown sand with clay areas with scattered pebbles.

Rock Ironstone and quartz.

Vegetatio *Triodia secunda* and *Triodia epactia* hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 30%
Disturbance type: Old track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	<i>Acacia stellaticeps</i>	+		0.3m	QT001.04	
	<i>Aristida holathera</i> var. <i>latifolia</i>	+		0.3m	QT025.02	
	<i>Eragrostis speciosa</i>	+		0.05m	QT044.10	
	<i>Eriachne obtusa</i>	+		0.3m	QT025.03	
	<i>Eriachne</i> sp. Port Hedland	+		0.2m	QT068.03	
	<i>Fimbristylis</i> sp.	+		0.2m	QT036.02	
	<i>Fimbristylis</i> sp.	+		0.2m	QT068.01	
	<i>Pluchea tetranthera</i>	+		0.5m	QT068.05	
	<i>Schizachyrium fragile</i>	+		0.1m	QT068.04	
	<i>Triodia epactia</i>	5%		0.3m	QT018.09	
	<i>Triodia longiceps</i>	+		0.3m	QT068.06	
	<i>Triodia secunda</i>	60%		0.3m	QT068.02	

Quantum Flora 1 Site QT069

Described ML **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **659074 mE** **7742819 mN**

Habitat Plain.

Soil Red brown sandy loam.

Rock

Vegetatio Corymbia flavescens low open woodland over Acacia colei var. colei and Carissa lanceolata open shrub over Triodia epactia hummock grasslands.

Veg Excellent.

Fire

Note Bareground: 18%
Litter cover: 2% Logs, 8% Twigs, 24% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	35%	4-5m	QT069.01	
	Acacia coriacea subsp. coriacea	1%	1m	QT069.04	
	Acacia sericophylla	1%	0.5m	QT069.17	
	Achyranthes aspera	3%	<0.4m	QT069.08	
	Bonamia linearis	+	prostrate	QT069.18	
	Bonamia media	+	0.1m	QT069.09	
	Carissa lanceolata	1%	2m	QT063.02	
	Cenchrus ciliaris	1%	<0.5m	QT049.06	
	Corchorus incanus subsp. incanus	1%	<0.5m	QT069.03	
	Corymbia flavescens	2%	3m	QT069.19	
	Corymbia flavescens	8%	3-6m	QT063.01	
	Cullen stipulaceum	+	<0.3m	QT069.05	
	Ehretia saligna	1%	3m	QT069.20	
	Eriachne benthamii	+	<0.3m	QT058.13	
	Eriachne obtusa	+	0.3m	QT069.06	
	Eriachne obtusa	+	<0.3m	QT024.02	
	Evolvulus alsinoides var. decumbens	+	0.1m	QT069.07	
	Goodenia lamprosperma	+	<0.2m	QT058.03	
	Goodenia lamprosperma	+	0.3m	QT058.01	
	Hybanthus aurantiacus	+	<0.3m	QT029.07	
	Indigofera monophylla	+	0.3m	QT069.10	
	Rhynchosia minima var. australis	1%	CR	QT069.02	
	Senna notabilis	+	0.1m	QT069.12	
	Sida billbarkeri	+	<0.3m	QT063.06	
	Sida rohlenae subsp. rohlenae	+	<0.3m	QT069.15	
	Sida rohlenae subsp. rohlenae	+	<0.3m	QT058.12	
	Sida sp.	+	0.1m	QT069.14	
	Solanum lasiophyllum	+	<0.3m	QT069.16	
	Stemodia lathraia	+	0.1m	QT069.11	
	Triodia epactia	40%	<0.5m	QT058.07	
	Waltheria indica	1%	<0.3m	QT063.07	

Quantum Flora 1 Site QT070

Described ML **Date** 10/5/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA 50 **659870 mE** **7742962 mN**

Habitat Plain.

Soil Light brown creamy loam.

Rock

Vegetatio Eucalyptus victrix low open woodland over Acacia colei var. colei high shrubland over Acacia stellaticeps and Corchorus incanus subsp. incanus low open shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 20%
Litter cover: + Logs, 2% Twigs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	20%		3m	QT069.01	
	Acacia stellaticeps	3%		<0.75m	QT024.04	
	Alternanthera nana	+		0.3m	QT070.07	
	Carissa lanceolata	1%			QT063.02	
	Cenchrus ciliaris	+		<0.3m	QT049.06	
	Corchorus incanus subsp. incanus	4%		<0.5m	QT069.03	
	Corymbia flavescens	4%		0.3m	QT063.01	
	Crotalaria ramosissima	1%		<0.3m	QT070.06	
	Cyperus blakeanus	1%		0.4m	QT060.02	
	Cyperus blakeanus	1%		<0.3m	QT070.13	
	Elytrophorus spicatus	1%		<0.1m	QT070.03	
	Eriachne benthamii	3%		<0.5m	QT058.13	
	Eriachne obtusa	+		<0.3m	QT024.02	
	Eucalyptus victrix	3%		10m	QT070.09	
	Eucalyptus victrix	1%			QT058.11	
	Eucalyptus victrix	8%		6-8m	QT070.01	
	Euphorbia coghlanii	+		0.1m	QT070.08	
	Evolvulus alsinoides var. decumbens	1%		<0.5m	QT069.07	
	Fimbristylis sp.	1%		<0.3m	QT070.04	
	Goodenia lamprosperma	+		<0.3m	QT070.02	
	Goodenia lamprosperma	+		<0.3m	QT058.03	
	Grevillea pyramidalis subsp. leucadendron	+		0.3m	QT070.11	
	Grevillea pyramidalis subsp. leucadendron	2%		2m	QT070.10	
	Indigofera monophylla	1%		<0.5m	QT069.10	
	Marsilea hirsuta	3%		<0.5m	QT058.10	
	Pluchea tetranthera	+		<0.5m	QT070.14	
	Pluchea tetranthera	+		0.2m	QT070.05	
	Rhynchosia minima var. australis	+		0.1m	QT069.02	
	Schizachyrium fragile	+		<0.1m	QT032.09	
	Sida rohlenae subsp. rohlenae	1%		<0.4m	QT058.12	
	Stemodia lathraia	+		0.2m	QT069.11	
	Stylidium desertorum	+		0.05m	QT070.15	
	Triodia epactia	40%		<0.5m	QT058.07	
	Zornia muelleriana subsp. congesta	+		0.1m	QT070.12	

Quantum Flora 1 Site QT071

Described EC **Date** 10/5/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **659714 mE** **7742496 mN**

Habitat Sand plain.

Soil Light brown, orange sand with some clay areas.

Rock

Vegetatio Triodia epactia and Triodia secunda hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Lvs.
Disturbance type: Old powerline nearby.
Beer cans in site, old type tracks in site.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Cyperus pulchellus	+		0.1m	QT071.04	
	Elytrophorus spicatus	+		0.5m	QT071.02	
	Eriachne sp. Port Hedland	1%		0.2m	QT068.03	
	Eriachne sp. Port Hedland	+		0.1m	QT071.05	
	Fimbristylis sp.	+		0.2m	QT071.06	
	Marsilea hirsuta	+		0.1m	QT071.01	
	Pluchea ferdinandi-muelleri	+		0.3m	QT071.03	
	Triodia epactia	30%		0.4m	QT018.09	
	Triodia secunda	20%		0.3m	QT036.01	

Quantum Flora 1 Site QT072

Described Season	ML	Date	10/6/2007	Type	Q	Uniformity	50x50m
Locatio	South west of Boodaire Iron.						
MGA	50		662405	mE			7744428 mN
Habitat	Plain.						
Soil	Red brown sandy loam.						
Rock							
Vegetatio	Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia secunda hummock grassland over Ptilotus fusiformis var. fusiformis and Ptilotus polystachyus var. arthrotrichus scattered herbs over Cyperus blakeanus scattered sedges.						
Veg	Excellent.						
Fire	Old.						
Note	Bareground: 25% Litter cover: + Logs, 2% Twigs, 5% Lvs.						

SPECIES

Quad Name	Cover C	Heigh	Specime	Notes
Acacia stellaticeps	35%	<0.5m	QT072.01	
Aerva javanica	+	<0.4m	QT016.12	
Bonamia rosea	2%	<0.5m	QT072.04	
Bulbostylis barbata	+	<0.1m	QT024.18	
Calandrinia sp. Pinga (T.R. Lally TRL 722)	+	0.4m	QT072.07	
Cassytha capillaris	+		QT024.20	
Corchorus incanus subsp. incanus	+	0.3m	QT069.03	
Cyperus blakeanus	1%	<0.5m	QT060.02	
Eriachne benthamii	1%	<0.4m	QT058.13	
Eriachne mucronata (typical form)	+	0.4m	QT072.05	
Eriachne obtusa	3%	<0.4m	QT072.03	
Evolvulus alsinoides var. decumbens	+	0.1m	QT072.02	
Evolvulus alsinoides var. decumbens	1%	<0.5m	QT069.07	
Hakea lorea subsp. lorea	1%	1-2m	QT063.04	
Hybanthus aurantiacus	+	0.4m	QT029.07	
Ptilotus fusiformis var. fusiformis	+	0.3m	QT072.06	
Ptilotus polystachyus var. arthrotrichus	1%	<0.5m	QT072.08	
Sida rohlenae subsp. rohlenae	1%	<0.5m	QT058.12	
Solanum cleistogamum	+	<0.4m	QT032.02	
Triodia epactia	20%	<0.5m	QT058.07	
Triodia secunda	4%	0.4m	QT016.15	

Quantum Flora 1 Site QT073

Described EC **Date** 10/6/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio

MGA 50 **662598 mE** **7744230 mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Dolichandrone heterophylla scattered low trees over Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps low open shrubland over Triodia schinzii hummock grassland over Bonamia rosea scattered herbs.

Veg Very Good.

Fire Old.

Note Bareground: 35%
Litter cover: + Twigs, + Lvs.
Disturbance type: Road nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia coleii var. coleii	+	0.5m	QT044.06	
	Acacia coriacea subsp. coriacea	2%	1-2m	QT066.01	
	Acacia stellaticeps	10%	0.3-1m	QT001.04	
	Aristida holathera var. latifolia	1%	0.3m	QT073.06	
	Aristida holathera var. latifolia	2%	0.3m	QT073.02	
	Bonamia rosea	+	0.1m	QT073.14	
	Bonamia rosea	2%	0.3m	QT073.12	
	Cenchrus ciliaris	+	0.3m	QT001.16	
	Corchorus incanus subsp. incanus	+	0.3m	QT027.06	
	Dolichandrone heterophylla	2%	0.5-4m	QT073.08	
	Eragrostis aff. eriopoda (WAS site 963)	1%	0.3m	QT073.10	
	Eriachne obtusa	1%	0.3m	QT025.03	
	Hakea lorea subsp. lorea	+	1m	QT073.05	
	Hybanthus aurantiacus	+	0.2m	QT029.07	
	Indigofera monophylla	+	0.3m	QT064.03	
	Mollugo molluginea	+	0.2m	QT073.11	
	Pluchea tetranthera	+	0.2m	QT025.16	
	Ptilotus astrolasius var. astrolasius	+	0.3m	QT097.05	
	Ptilotus polystachyus var. arthrotrichus	+	0.3m	QT072.08	
	Sida aff. fibulifera	+	0.2m	QT073.07	
	Sida billbarkeri	+	0.2m	QT073.13	
	Sida billbarkeri	+	0.3m	QT073.01	
	Sida billbarkeri	+	0.2m	QT073.04	
	Sida rohlenae subsp. rohlenae	+	0.3m	QT073.09	
	Solanum cleistogamum	+	0.2m	QT025.13	
	Solanum diversiflorum	+	0.3m	QT026.02	
	Triodia schinzii	30%	0.5m	QT073.03	

Quantum Flora 1 Site QT074

Described **Date** **Type** Q 50x50m
Season **Uniformity**

Locatio**MGA**

mE

mN

Habitat Drainage line.**Soil** Light orange sand.**Rock****Vegetatio** Melaleuca argentea, Acacia ampliceps and Acacia trachycarpa high open shrubland over Triodia epactia open hummock grassland.**Veg** Very Good.**Fire** Old.**Note** Bareground: 75%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Endura tracks, dogs.**SPECIES**

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia ampliceps	5%	1-2m	QT074.11	
	Acacia trachycarpa	2%	1.5m	QT029.19	
	Acacia trachycarpa			QT074.05	
	Adriana urticoides var. urticoides	+	0.3m	QT074.12	
	Adriana urticoides var. urticoides	+	0.1m	QT074.04	
	Aristida holathera var. latifolia	1%	0.3m	QT025.02	
	Cajanus cinereus	+	0.3m	QT074.14	
	Calandrinia quadrivalvis			QT074.06	
	Calandrinia sp.	+	0.1m	QT087.05	
	Cenchrus ciliaris	1%	0.3m	QT001.16	
	Eriachne obtusa	1%	0.3m	QT025.03	
	Gymnanthera cunninghamii	+	1m	QT074.10	
	Gymnanthera cunninghamii	+	0.5m	QT074.08	
	Melaleuca argentea	12%	1-4m	QT074.01	
	Pluchea ferdinandi-muelleri	+	0.3m	QT074.09	
	Pluchea ferdinandi-muelleri	2%	0.5m	QT074.13	
	Pluchea rubelliflora	+	0.2m	QT074.03	
	Solanum cleistogamum	+	0.3m	QT025.13	
	Stemodia grossa			QT074.07	
	Stemodia grossa	+	0.3m	QT074.02	
	Triodia epactia	15%	0.3m	QT018.09	

Quantum Flora 1 Site QT075

Described	ML	Date	10/6/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	Near River.					
MGA	50		661354	mE		7744278 mN
Habitat	River bed, plain.					
Soil	Red, orange loamy sand.					
Rock						
Vegetatio	Eucalyptus victrix and Eucalyptus sp. low open woodland over Acacia trachycarpa and Acacia ampliceps open shrubland over Acacia stellaticeps and Corchorus incanus subsp. incanus low open shrubland over Triodia epactia and Triodia schinzii hummock grassland over *Cenchrus ciliaris and Aristida holathera tussock grassland over Evolvulus alsinoides var. decumbens scattered herbs.					
Veg	Good.					
Fire	Old.					
Note	Bareground: 10% Litter cover: 5% Logs, 5% Twigs, 8% Lvs. Disturbance type: Rubbish, fence line, cenchrus, rabbit holes. Metal rubbish present, and lots of cenchrus.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Abutilon otocarpum	+		0.2m	QT075.05	
	Acacia ampliceps	5%		1-3m	QT075.04	
	Acacia stellaticeps	5%		0.5-1m	QT072.01	
	Acacia trachycarpa	3%		1-3m	QT029.19	
	Aristida holathera	3%		<0.5m	QT049.02	
	Cassyltha capillaris	+			QT024.20	
	Cenchrus ciliaris	28%		<0.5m	QT049.06	
	Corchorus incanus subsp. incanus	3%		<0.5m	QT069.03	
	Eucalyptus sp.	2%		3m	QT058.09	
	Eucalyptus victrix	25%		8-10m	QT070.01	
	Evolvulus alsinoides var. decumbens	+, 2%		<0.4m	QT069.07	
	Goodenia forrestii	1%		<0.5m	QT075.03	
	Indigofera monophylla	+		0.4m	QT069.10	
	Mukia maderaspatana	+			QT002.06	
	Ptilotus polystachyus var. arthrotrichus	+		<0.4m	QT072.08	
	Senna artemisioides subsp. oligophylla x helmsii	1%		1.5m	QT075.06	
	Sida aff. fibulifera (HD148-13)	1%		<0.3m	QT053.03	
	Sida rohlenae subsp. rohlenae	+		<0.4m	QT058.12	
	Solanum cleistogamum	+		0.6m	QT075.01	
	Solanum cleistogamum	+		<0.3m	QT075.01	
	Trianthema pilosa	+		<0.1m	QT075.02	
	Triodia epactia	14%		<0.75m	QT058.07	
	Triodia schinzii	3%		<0.3m	QT073.03	

Quantum Flora 1 Site QT076

Described EC **Date** 10/6/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **660975 mE** **7744270 mN**

Habitat Sand plain.

Soil Light orange brown sand with clay crust.

Rock

Vegetatio Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia epactia and Triodia secunda hummock grassland over Aristida holathera var. latifolia scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bareground: 35%
Litter cover: 1% Lvs.
Disturbance type: Power line and gas pip nearby.
Old tack in site, just tyre marks on the vegetation.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	0.5m	QT044.06	
	Acacia stellaticeps	10%	0.3-0.8m	QT001.04	
	Aristida holathera var. latifolia	2%	0.3m	QT025.02	
	Cassytha capillaris	+	CR	QT025.04	
	Chrysopogon fallax	1%	0.6m	QT027.09	
	Eragrostis aff. eriopoda (WAS site 963)	2%	0.3m	QT073.10	
	Eragrostis speciosa	+	0.1m	QT044.10	
	Evolvulus alsinoides var. decumbens	+	0.2m	QT076.01	
	Fimbristylis sp.	+	0.2m	QT036.02	
	Hybanthus aurantiacus	+	0.2m	QT025.06	
	Hybanthus aurantiacus	+	0.2m	QT076.02	
	Pluchea tetranthera	2%	0.3m	QT025.16	
	Triodia epactia	40%	0.3m	QT018.09	
	Triodia secunda	5%	0.3m	QT036.01	

Quantum Flora 1 Site QT077

Described	EC	Date	10/6/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	Near bitumen access road.					
MGA	50		661964	mE		7743362 mN
Habitat	Sand plain.					
Soil	Light orange brown sand.					
Rock						
Vegetatio	Hakea lorea subsp. lorea and Eucalyptus sp. scattered shrubs over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia secunda open hummock grassland.					
Veg	Very Good.					
Fire	Old.					
Note	Bareground: 25% Litter cover: + Logs, + Twigs, + Lvs. Disturbance type: Road nearby.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	5%		0.5m	QT001.04	
	Aristida holathera var. latifolia	1%		0.3m	QT025.02	
	Calandrinia sp. Pinga (T.R. Lally TRL 722)	+		0.1m	QT077.03	
	Carissa lanceolata	+		0.6m	QT063.02	
	Cassytha capillaris	+			QT025.04	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Corchorus incanus subsp. incanus			0.3m	QT027.06	
	Corymbia sp.	+		1.2m	QT077.10	
	Crotalaria ramosissima	+		0.1m	QT077.04	
	Cyperus blakeanus	+		0.2m	QT044.01	
	Eragrostis cumingii	+		0.1m	QT077.08	
	Eragrostis speciosa	+		0.1m	QT077.07	
	Eragrostis speciosa	1%		0.3m	QT077.06	
	Eriachne obtusa	+		0.3m	QT043.06	
	Eriachne obtusa	2%		0.3m	QT025.03	
	Hakea lorea subsp. lorea	+		1m	QT077.09	
	Heliotropium sp.	+		0.1m	QT077.11	
	Hybanthus aurantiacus	+		0.2m	QT029.07	
	Marsilea hirsuta	+		0.1m	QT058.10	
	Pluchea tetranthera	+		0.3m	QT025.16	
	Senna notabilis	+		0.2m	QT024.14	
	Sida pilbarensis (ferruginous form)	+		0.2m	QT077.05	
	Stemodia lathraia				QT077.12	
	Stylidium desertorum	+		0.05m	QT077.01	
	Triodia epactia	30%		0.5m	QT018.09	
	Triodia secunda	10%		0.3m	QT036.01	
	Wahlenbergia tumidifruca	+		0.1m	QT077.02	
	Waltheria indica	+		0.3m	QT101.04	

Quantum Flora 1 Site QT078

Described EC **Date** 10/6/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 661198 **mE** 7742846 **mN**

Habitat Sand plain.

Soil Light orange brown sand with clay crust areas.

Rock

Vegetatio Eucalyptus victrix scattered low trees over Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
 Litter cover: + Twigs, + Lvs.
 Disturbance type: Power line, gas pipe and tracks.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	8%		0.5m	QT001.04	
	Bulbostylis barbata	+		0.1m	QT078.01	
	Chrysopogon fallax	+		0.6m	QT027.09	
	Eriachne obtusa	+		0.3m	QT078.02	
	Eucalyptus victrix	+		1m	QT078.03	
	Fimbristylis sp.	+		0.2m	QT036.02	
	Hybanthus aurantiacus	+		0.3m	QT029.07	
	Pluchea tetranthera	3%		0.3m	QT025.16	
	Triodia epactia	45%		0.3m	QT018.09	
	Triodia secunda	1%		0.2m	QT036.01	

Quantum Flora 1 Site QT079

Described ML **Date** 10/6/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 660703 **mE** 7743000 **mN**

Habitat Plain.

Soil Red light brown sandy loam.

Rock

Vegetatio Corymbia flavescens, Melaleuca lasiandra and Acacia coriacea subsp. coriacea high open shrubland over Acacia colei var. colei and Carissa lanceolata open shrubland over Acacia stellaticeps low closed heath over Triodia epactia very open hummock grassland over Cyperus blakeanus scattered sedges.

Veg Excellent.

Fire Old.

Note Bareground: 10%
Litter cover: 2% Logs, 5% Twigs, 5% Lvs.
Dense vegetation, lots of Acacia long pods.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Abutilon lepidum	1%	1-2m	QT079.01	
	Acacia colei var. colei	10%	1-2m	QT049.04	
	Acacia coriacea subsp. coriacea	1%	3m	QT069.04	
	Acacia stellaticeps	75%	<0.75m	QT072.01	
	Carissa lanceolata	3%	1m	QT063.02	
	Corchorus incanus subsp. incanus	+	<0.3m	QT069.03	
	Corymbia flavescens	5%	1-2m	QT063.01	
	Cyperus blakeanus	1%	<0.3m	QT060.02	
	Dentella minutissima	+	<0.05m	QT079.06	
	Dysphania rhadinostachya subsp. rhadinostachya	+	0.1m	QT079.05	
	Ehretia saligna	2%	3m	QT079.03	
	Ehretia saligna	+	0.45m	QT079.03	
	Eragrostis cumingii	1%	<0.1m	QT079.02	
	Eragrostis cumingii	+	<0.1m	QT079.02	
	Eriachne obtusa	1%	<0.3m	QT072.03	
	Euphorbia sp.	+	<0.1m	QT079.08	
	Evolvulus alsinoides var. decumbens	+	0.4m	QT069.07	
	Hybanthus aurantiacus	+	0.3m	QT029.07	
	Melaleuca lasiandra	4%	<2.5m	QT079.09	
	Mollugo molluginea	+	0.15m	QT032.04	
	Mukia maderaspatana	+		QT002.06	
	Sida pilbarensis (ferruginous form)	+	0.3m	QT079.07	
	Sida rohlenae subsp. rohlenae	+	<0.4m	QT079.04	
	Solanum cleistogamum	+	0.15m	QT032.02	
	Triodia epactia	5%	<0.4m	QT058.07	
	Triodia schinzii	1%	<1m	QT053.06	

Quantum Flora 1 Site QT080

Described EC **Date** 10/6/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **660370 mE** **7742583 mN**

Habitat Sand plain with a slight depression.

Soil Light orange brown sand with small limestone outcrop.

Rock

Vegetatio Corymbia flavescens and Acacia colei var. colei open heath over Pluchea tetranthera and Acacia stellaticeps scattered low shrubs over Triodia epactia open hummock grasses over Eriachne obtusa open tussock grasses.

Veg Very Good.

Fire Old.

Note Bareground: 50%
Litter cover: 2% Logs, + Twigs, 3% Lvs.
Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	40%	1-3m	QT080.02	
	Acacia stellaticeps	1%	0.3m	QT001.04	
	Bergia pedicellaris	+	0.05m	QT080.06	
	Chrysopogon fallax	+	0.6m	QT027.09	
	Corchorus incanus subsp. incanus	+	0.4m	QT027.06	
	Corymbia flavescens	20%	1-3m	QT080.01	
	Eriachne obtusa	5%	0.3m	QT080.13	
	Eriachne obtusa	2%	0.3m	QT043.06	
	Eriachne obtusa	+	0.3m	QT080.08	
	Evolvulus alsinoides var. decumbens	+	0.05m	QT080.11	
	Goodenia lamprosperma	+	0.2m	QT080.07	
	Hakea lorea subsp. lorea	+	1m	QT080.12	
	Hybanthus aurantiacus	+	0.3m	QT029.07	
	Mimulus gracilis	+	0.1m	QT080.09	
	Mukia maderaspatana	+		QT002.06	
	Pluchea tetranthera	1%	0.1m	QT025.16	
	Pterocaulon sphacelatum	+	0.3m	QT080.14	
	Rotala diandra	+	0.05m	QT080.04	
	Sida pilbarensis (ferruginous form)	+	0.3m	QT080.10	
	Stemodia lathraia	+	0.05m	QT080.03	
	Stylidium desertorum	+	0.05m	QT080.05	
	Triodia epactia	10%	0.5m	QT018.09	

Quantum Flora 1 Site QT081

Described BC **Date** 10/6/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661875 mE** **7742514 mN**

Habitat Drainage line, levee bank

Soil Orange sand with clay and scattered shells.

Rock

Vegetatio Melaleuca argentea and Acacia trachycarpa shrubland over Acacia stellaticeps and Corchorus incanus subsp. Incanus scattered low shrubs over Triodia epactia very open hummock grasses over Eriachne obtusa very open tussock grasses.

Veg Excellent.

Fire Old.

Note Bareground: 50%
Litter cover: 2% Logs, 1% Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia coleii var. coleii	+		0.6m	QT049.04	
	Acacia stellaticeps	1%		<0.5m	QT072.01	
	Acacia trachycarpa	20%		1-3m	QT029.19	
	Adriana urticoides var. urticoides	+		1-2m	QT081.03	
	Aristida holathera var. latifolia	+		0.1m	QT081.16	
	Bonamia linearis	+			QT081.08	
	Bonamia linearis	+		0.1m	QT081.12	
	Bonamia media	+		0.1m	QT081.06	
	Cajanus cinereus	+		0.4m	QT081.07	
	Calandrinia sp.	+		<0.1m	QT087.05	
	Cleome uncifera subsp. uncifera	+		<0.3m	QT081.02	
	Corchorus incanus subsp. incanus	2%		<0.5m	QT069.03	
	Crotalaria cunninghamii	1%		<0.5m	QT005.01	
	Eriachne obtusa	4%		<0.3m	QT072.03	
	Evolvulus alsinoides var. decumbens	1%		<0.5m	QT069.07	
	Heliotropium cunninghamii	+		0.3m	QT081.05	
	Hybanthus aurantiacus	+		0.3m	QT029.07	
	Ipomoea muelleri	+			QT081.17	
	Melaleuca argentea	5%			QT074.01	
	Merremia davenportii	+		0.3m	QT081.13	
	Mollugo molluginea	+		0.1m	QT081.14	
	Pluchea ferdinandi-muelleri	+		<0.5m	QT081.04	
	Ptilotus arthrolasius	+		0.3m	QT081.10	
	Ptilotus fusiformis var. fusiformis	+		0.3m	QT072.06	
	Ptilotus polystachyus var. arthrotrichus	+		<0.3m	QT072.08	
	Sida rohlenae subsp. rohlenae	1%		<0.3m	QT058.12	
	Tricoryne corynothecoides	+		0.4m	QT081.01	
	Tricoryne corynothecoides	+		<0.3m	QT081.11	
	Triodia epactia	10%		<0.3m	QT060.01	
	Triumfetta chaetocarpa	1%		0.5m	QT029.20	
	Waltheria indica	+		0.3m	QT081.09	
	Waltheria indica	+		0.3m	QT063.07	
	Whiteochloa airoides	1%		<0.5m	QT081.15	

Quantum Flora 1 Site QT082

Described EC **Date** 10/6/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio Power line track towards substation.

MGA 50 662302 **mE** 7742781 **mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Acacia stallaticeps scattered low shrubs over Triodia epactia and Triodia secunda open hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 65-70%
Litter cover: + Twigs, + Lvs.
Track in site.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	2%		0.25m	QT001.04	
	Eriachne obtusa	+		0.3m	QT025.03	
	Fimbristylis sp.	+		0.2m	QT036.02	
	Pluchea ferdinandi-muelleri	+		0.3m	QT074.13	
	Pluchea tetranthera	1%		0.3m	QT025.16	
	Triodia epactia	20%		0.5m	QT018.09	
	Triodia secunda	5%		0.2m	QT036.01	

Quantum Flora 1 Site QT083

Described EC **Date** 10/6/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **660043 mE** **7741753 mN**

Habitat Sand plain.

Soil Light orange brown sand with small areas of clay crust, and deep sand in some areas.

Rock

Vegetatio Pluchea ferdinandi-muelleri low open shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 45%
Litter cover: + Logs, + Twigs, 1% Lvs.
Disturbance type: Tracks nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia stellaticeps	+		0.5m	QT083.04	
	Bulbostylis barbata	+		0.1m	QT083.03	
	Eriachne sp. Port Hedland	+		0.2m	QT083.02	
	Fimbristylis sp.	+		0.2m	QT036.02	
	Fimbristylis sp.	+			QT083.02B	
	Pluchea ferdinandi-muelleri	8%		0.5m	QT083.01	
	Triodia epactia	50%		0.4m	QT018.09	
	Triodia secunda	+		0.2m	QT036.01	

Quantum Flora 1 Site QT084

Described BC **Date** 10/6/2007 **Type** Q **Uniformity** 50x50m
Season
Locatio Just off Boodaire station access road.
MGA 50 **659464 mE** **7741687 mN**
Habitat Sand plain.
Soil Brown, orange sand with some crusty sections.
Rock Tiny scattered ironstone.
Vegetatio Triodia epactia and Triodia secunda hummock grassland.
Veg Very Good.
Fire Old.
Note Bareground: 60%
 Litter cover: + Twigs, + Lvs.
 Disturbance type: Track is nearby (about 75m).

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Triodia epactia	1%	0.3m	QT033.01	
	Triodia secunda	40%	<0.5m	QT083.01a	
	Triodia secunda	1%	0.2m	QT026.04	

Quantum Flora 1 Site QT085

Described	ML	Date	10/6/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	South west off Boodaire station access road.					
MGA	50		660297	mE		7741225 mN
Habitat	Plain.					
Soil	Red brown loam.					
Rock						
Vegetatio	Corymbia flavescens low open woodland over Acacia colei var. colei, Acacia tumida var. pilbarensis and Grevillea pyramidalis subsp. leucadendron high shrubland over Acacia stellaticeps and Corchorus incanus subsp. incanus low shrubland over Triodia epactia open hummock grassland.					
Veg	Very Good.					
Fire	Old.					
Note	Bareground: 15% Litter cover: 4% Logs, 8% Twigs. 18% Lvs. Lots of leaf litter.					

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	22%	3m	QT049.04	
	Acacia stellaticeps	20%	<0.6m	QT072.01	
	Acacia tumida var. pilbarensis	2%	2m	QT085.06	
	Achyranthes aspera	3%	<0.75m	QT069.08	
	Aristida holathera var. latifolia	+	<0.5m	QT024.05	
	Cassytha capillaris	1%	CR	QT024.20	
	Cenchrus ciliaris	1%	<0.5m	QT049.06	
	Corchorus incanus subsp. incanus	1%	0.3m	QT069.03	
	Corymbia flavescens	7%	5m	QT063.01	
	Corymbia flavescens	2%	2m	QT085.04	
	Corymbia flavescens	+	0.2m	QT085.01	
	Ehretia saligna	2%	1-2m	QT079.03	
	Eriachne obtusa	+	0.3m	QT085.02	
	Eriachne obtusa	3%	<0.4m	QT072.03	
	Euphorbia sp.	1%	<0.5m	QT079.08	
	Grevillea pyramidalis subsp. leucadendron	8%	0.5-3.5m	QT070.10	
	Hybanthus aurantiacus	+	0.2m	QT029.07	
	Indigofera monophylla	+	0.4m	QT069.10	
	Mukia maderaspatana	+	CR	QT002.06	
	Senna notabilis	+	0.2-0.5m	QT024.14	
	Sida pilbarensis (ferruginous form)	+	0.3m	QT079.07	
	Sida rohlenae subsp. rohlenae	+	<0.5m	QT058.12	
	Solanum cleistogamum	+	0.3m	QT085.05	
	Solanum phlomoides	+	<0.5m	QT085.03	
	Sporobolus virginicus	+	0.2m	QT006.09	
	Trianthema turgidifolia	1%	<0.3m	QT006.02	
	Triodia epactia	30%	<0.5m	QT060.01	
	Waltheria indica	1%	<0.1m	QT083.07	

Quantum Flora 1 Site QT086

Described EC **Date** 10/7/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio Near substation.

MGA 50 **662248 mE** **7741738 mN**

Habitat Sand plain.

Soil Light orange, brown sand with clay crust in areas.

Rock

Vegetatio Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia schinzii open hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 30%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track and powerlines nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		1m	QT044.06	
	Acacia stellaticeps	30%		0.5m	QT001.04	
	Aristida holathera var. latifolia	+		0.3m	QT025.02	
	Bulbostylis barbata	+		0.1m	QT086.01	
	Cassytha capillaris	+		CR	QT025.04	
	Chrysopogon fallax	+		0.5m	QT027.09	
	Eragrostis speciosa	+		0.1m	QT086.02	
	Eriachne obtusa	+		0.3m	QT086.03	
	Hybanthus aurantiacus	+		0.3m	QT029.07	
	Mitrasacme connata	+		0.15m	QT086.05	
	Mitrasacme connata	+		0.1m	QT026.13	
	Pluchea ferdinandi-muelleri	+		0.3m	QT074.13	
	Pluchea tetranthera	3%			QT086.04	
	Triodia schinzii	30%		0.4m	QT056.03	

Quantum Flora 1 Site QT087

Described EC **Date** 10/7/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio In Drainage line behind substation.

MGA 50 **662031 mE** **7741025 mN**

Habitat Drainage line.

Soil Light orange, tan, deep sand with some clay in area.

Rock Tiny little pebbles - ironstone, quartz, limestone.

Vegetatio Eucalyptus victrix low open woodland over Melaleuca argentea and Acacia trachycarpa high shrubland over Acacia tumida var. pilbarensis open shrubland over Pluchea ferdinandi-muelleri, Acacia stellaticeps and Corchorus incanus subsp. incanus scattered low shrubs over Triodia schinzii very open hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 50%

Litter cover: + Logs, + Twigs, 1% Lv.

Disturbance type: Tracks, fences, substation, power lines, cows.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa x trachycarpa	+		1.5m	QT087.02	
	Acacia stellaticeps	+		0.5m	QT001.04	
	Acacia trachycarpa	3%		0.7-2m	QT029.19	
	Acacia tumida var. pilbarensis	10%		1-2m	QT087.03	
	Adriana urticoides var. urticoides	+		0.1m	QT087.28	
	Calandrinia pumila	+		0.05m	QT087.09	
	Calandrinia sp.	+		0.05m	QT087.05	
	Cassylia capillaris	+		CR	QT025.04	
	Centipeda minima subsp. macrocephala	+		0.2m	QT087.13	
	Chrysopogon fallax	+		0.5m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.4m	QT027.06	
	Crotalaria cunninghamii	+		0.3m	QT087.16	
	Cyperus blakeanus	+		0.3m	QT087.12	
	Eragrostis speciosa	+		0.3m	QT087.07	
	Eragrostis speciosa	+		0.3m	QT087.06	
	Eriachne aristidea	+		0.4m	QT087.20	
	Eriachne obtusa	+		0.3m	QT025.03	
	Eucalyptus victrix	5%		10m	QT087.01	
	Eucalyptus victrix	1%		2-3m	QT087.22	
	Eulalia aurea	1%		0.5m	QT087.21	
	Euphorbia coghlanii	+		0.2m	QT087.27	
	Euphorbia coghlanii	+		0.4m	QT087.19	
	Fimbristylis sp.	+		0.1m	QT087.14	
	Gymnanthera cunninghamii	+		1m	QT074.08	
	Hybanthus aurantiacus	+		0.3m	QT087.17	
	Hybanthus aurantiacus	+		0.3m	QT087.08	
	Ipomoea muelleri	+		CR	QT087.26	

Melaleuca argentea	10%	2-3m	QT087.11
Phyllanthus maderaspatensis	+	0.2m	QT087.24
Pluchea ferdinandi-muelleri	1%	0.3m	QT087.04
Pterocaulon serrulatum	+	0.05m	QT087.25
Ptilotus fusiformis var. fusiformis	+	0.3m	QT087.10
Sesbania cannabina	+	0.3m	QT087.18
Triodia schinzii	20%	0.5m	QT056.03
Triumfetta chaetocarpa	+	0.3m	QT029.20
Wahlenbergia tumidifructa	+	0.2m	QT087.15
Wahlenbergia tumidifructa	+	0.2m	QT087.23
Waltheria indica	+	0.3m	QT101.04

Quantum Flora 1 Site QT088

Described Season	Date	Type Q	50x50m
		Uniformity	
Locatio			
MGA		mE	mN
Habitat	Sand plain.		
Soil	Orange brown sand.		
Rock			
Vegetatio	Corymbia zygophylla and Corymbia flavescens scattered low trees over Acacia tumid var. pilbarensis shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland.		
Veg	Very Good.		
Fire			
Note	Bareground: 35% Litter cover: + Twigs, 1% Lvs. Disturbance type: Tracks and substation.		

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	1m	QT088.04	
	Acacia coriacea subsp. coriacea	+	2m	QT066.01	
	Acacia stellaticeps	30%	0.5-1m	QT001.04	
	Acacia tumida var. pilbarensis	15%	1-2m	QT088.06	
	Aristida holathera var. latifolia	+	0.3m	QT025.02	
	Aristida inaequiglumis	+	0.4m	QT088.17	
	Bonamia linearis	+		QT088.12	
	Bonamia media	+		QT088.13	
	Bonamia media	+	0.1m	QT088.10	
	Bonamia rosea	+	0.2m	QT088.02	
	Bonamia rosea	+	0.2m	QT088.03	
	Carissa lanceolata	+	0.3m	QT063.02	
	Cenchrus ciliaris	1%	0.3m	QT001.16	
	Chrysopogon fallax	+	0.5m	QT027.09	
	Corchorus incanus subsp. incanus	+	0.3m	QT027.06	
	Corymbia flavescens	+	2m	QT088.14	
	Corymbia zygophylla	2%	4-5m	QT088.05	
	Dolichandrone heterophylla	+	0.5m	QT088.15	
	Eragrostis aff. eriopoda (WAS site 963)	1%	0.3m	QT088.09	
	Eriachne obtusa	+	0.3m	QT025.03	
	Euphorbia sp.	+	0.1m	QT088.01	
	Hybanthus aurantiacus	+	0.3m	QT029.07	
	Mukia maderaspatana	+		QT002.06	
	Paraneurachne muelleri	+	0.3m	QT088.16	
	Paspalidium rarum	+	0.2m	QT088.08	
	Ptilotus astrolasius var. astrolasius	+	0.3m	QT097.05	
	Sida billbarkeri	+	0.3m	QT027.10	
	Sida rohlenae subsp. rohlenae	+	0.2m	QT088.11	
	Triodia epactia	40%	0.5m	QT088.07	
	Triumfetta chaetocarpa	+	0.3m	QT029.20	
	Waltheria indica	+	0.2m	QT101.04	

Quantum Flora 1 Site QT089

Described EC **Date** 10/7/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661491 mE** **7739829 mN**

Habitat Sand plain.

Soil Orange brown sand.

Rock

Vegetatio Acacia stellaticeps low open heath over Triodia schinzii open hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 20%
Litter cover: + Twigs, 1% Lvs.
Disturbance type: Track and substation nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		1m	QT044.06	
	Acacia stellaticeps	60%		0.5m	QT001.04	
	Aristida holathera var. latifolia	1%		0.3m	QT025.02	
	Aristida inaequiglumis	+		0.3m	QT088.17	
	Bonamia media	+		0.2m	QT088.10	
	Bonamia rosea	+		0.2m	QT088.02	
	Bulbostylis barbata	+		0.1m	QT086.01	
	Chrysopogon fallax	+		0.5m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QT088.09	
	Eriachne obtusa	1%		0.3m	QT025.03	
	Evolvulus alsinoides var. decumbens	+		0.1m	QT089.01	
	Hybanthus aurantiacus	+		0.2m	QT025.06	
	Indigofera monophylla	+		0.2m	QT064.03	
	Ptilotus astrolasius var. astrolasius	+		0.2m	QT097.05	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT089.02	
	Triodia schinzii	20%		0.3m	QT056.03	
	Triumfetta chaetocarpa	+		0.3m	QT089.03	

Quantum Flora 1 Site QT090

Described BC **Date** 10/7/2007 **Type** Q **Uniformity** 50x50m

Season

Locatio South of substation.

MGA 50 **660710 mE** **7739487 mN**

Habitat Sand plain.

Soil Brown, orange sand.

Rock

Vegetatio Acacia inaequilatera and Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps and Corchorus incanus subsp. incanus low shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, 1% Lvs.
Disturbance type: Power line, track and fence nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia inaequilatera	1%		2m	QT090.06	
	Acacia stellaticeps	25%		0.5m	QT043.01	
	Acacia tumida var. pilbarensis	8%		1-2m	QT090.01	
	Aristida holathera var. holathera	+		0.3m	QT090.02	
	Aristida holathera var. latifolia	+		0.4m	QT033.06	
	Bulbostylis barbata	+		0.1m	QT090.05	
	Corchorus incanus subsp. incanus	8%		0.2-1m	QT028.08	
	Eragrostis falcata	+		0.2m	QT043.04	
	Eriachne obtusa	+		0.2m	QT043.06	
	Eriachne obtusa	+		0.3m	QT043.05	
	Indigofera monophylla	+		0.3m	QT090.03	
	Leptosema anomalum	+		0.5m	QT095.16	
	Mollugo molluginea	+		0.1m	QT090.04	
	Pluchea tetranthera	+		0.5m	QT051.03	
	Polymeria calycina	+		0.2m	QT090.07	
	Senna notabilis	+		0.2m	QT024.14	
	Triodia epactia	+		0.5m	QT026.01	
	Triodia epactia	35%		<0.5m	QT065.07	

Quantum Flora 1 Site QT091

Described ML **Date** 10/7/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio Just west of Great Northern Highway.

MGA 50 **660195 mE** **7739743 mN**

Habitat Plain.

Soil Red brown loam.

Rock

Vegetatio Acacia tumida var. pilbarensis and Acacia inaequilatera high shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland over Evolvulus alsinoides var. decumbens scattered herbs.

Veg Excellent.

Fire Old to Moderate.

Note Bareground: 25%
Litter cover: 1% Logs, 4% Twigs, 18% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	+	0.4m	QT049.04	
	Acacia inaequilatera	2%	1-2m	QT091.01	
	Acacia stellaticeps	20%	<0.5m	QT072.01	
	Acacia tumida var. pilbarensis	10%	2-3m	QT091.02	
	Aristida holathera	3%	<0.5m		
	Bonamia linearis	+	0.1m	QT091.05	
	Bonamia linearis	+	0.1m	QT091.04	
	Bonamia linearis	+	0.1m	QT091.07	
	Corchorus incanus subsp. incanus	1%	<0.3m	QT069.03	
	Corymbia flavescens	1%	1.5m	QT063.01	
	Cyperus blakeanus	1%	<0.5m	QT060.02	
	Eragrostis cumingii	1%	<0.1m	QT079.02	
	Eriachne obtusa	1%	<0.3m	QT072.03	
	Evolvulus alsinoides var. decumbens	2%	<0.5m	QT069.07	
	Hakea lorea subsp. lorea	1%	0.7m	QT063.04	
	Hybanthus aurantiacus	+	<0.3m	QT029.07	
	Schizachyrium fragile	+	<0.1m	QT032.09	
	Sida sp.	+	0.4m	QT091.03	
	Triodia epactia	55%	<0.5m	QT060.01	
	Triodia schinzii	+	<0.5m	QT091.06	

Quantum Flora 1 Site QT092

Described	ML	Date	10/7/2007	Type	Q	25x100m
Season				Uniformity		
Locatio	East of Great Northern Highway.					
MGA	50		663325	mE		7740340 mN
Habitat	Riverbed levee.					
Soil	Red brown alluvial loam with surface pebbles.					
Rock	Quartz and Ironstone.					
Vegetatio	Eucalyptus victrix low open woodland over Acacia tumida var. pilbarensis and Acacia trachycarpa high open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland over Evolvulus alsinoides var. decumbens scattered herbs over Cyperus blakeanus scattered sedges.					
Veg	Excellent.					
Fire	Old.					
Note	Bareground: 20% Litter cover: 2% Logs, 3% Twigs, 10% Lvs. Very segregated zones or bands of vegetation.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	4%		1.1m	QT075.04	
	Acacia colei var. colei	1%		<0.4m	QT049.04	
	Acacia colei var. colei	+		0.7m	QT092.04	
	Acacia stellaticeps	3%		<0.5m	QT072.01	
	Acacia trachycarpa	10%		1-2m	QT029.19	
	Acacia tumida var. pilbarensis	10%		2-3m	QT085.06	
	Calandrinia quadrivalvis	+		<0.1m	QT092.02	
	Calandrinia quadrivalvis	+		<0.1m	QT092.07	
	Chrysopogon fallax	+		0.4m	QT092.11	
	Corchorus incanus subsp. incanus	3%		<0.3m	QT069.03	
	Cyperus blakeanus	1%		<0.4m	QT092.03	
	Ehretia saligna	1%		1m	QT079.03	
	Eragrostis cumingii	1%		<0.1m	QT079.02	
	Eragrostis speciosa	+		<0.3m	QT092.08	
	Eriachne obtusa	1%		<0.3m	QT072.03	
	Eucalyptus victrix	10%		10-14m	QT092.01	
	Euphorbia coghlanii	+		0.2m	QT092.09	
	Evolvulus alsinoides var. decumbens	3%		<0.4m	QT069.07	
	Hybanthus aurantiacus	1%		<0.2m	QT029.07	
	Ipomoea muelleri	+			QT081.17	
	Mukia maderaspatana	+			QT002.06	
	Pluchea tetranthera	+		0.2m	QT092.10	
	Sida pilbarensis (ferruginous form)	+		0.4m	QT092.05	
	Sida pilbarensis (ferruginous form)	+		<0.2m	QT092.06	
	Triodia epactia	30%		<0.5m	QT060.01	
	Triodia schinzii	1%		<0.5m	QT053.06	
	Triumfetta chaetocarpa	3%		<0.5m	QT029.20	
	Waltheria indica	+		<0.4m	QT063.07	

Quantum Flora 1 Site QT093

Described EC **Date** 10/7/2007 **Type** Q 50x50m
Season **Uniformity**
Locatio Over highway.
MGA 50 663206 **mE** 7740020 **mN**
Habitat Sand plain.
Soil Orange tan sand.
Rock Quartz and Ironstone tiny pebbles.
Vegetatio Triodia schinzii and Triodia secunda hummock grassland over Eriachne sp. Port Hedland scattered tussock grasses.
Veg Very Good.
Fire Moderate to Old.
Note Bareground: 60%
Litter cover: + Lvs.
Disturbance type: Track in 200m away, there is a large clay pan nearby and animals tracks.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Bulbostylis barbata	+		0.05m	QT086.01	
	Eriachne sp. Port Hedland	2%		0.2m	QT093.01	
	Pluchea tetranthera	+		0.5m	QT025.16	
	Triodia schinzii	30%		0.3m	QT056.03	
	Triodia secunda	15%		0.2m	QT036.01	

Quantum Flora 1 Site QT094

Described BC **Date** 10/7/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio Other side of Highway.

MGA 50 **662918 mE** **7740137 mN**

Habitat Sand plain - slight elevation.
Soil Brown orange sand.
Rock
Vegetatio Acacia tumida var. pilbarensis, Hakea lorea subsp. lorea and Acacia coriacea subsp. coriacea open shrubland over Acacia stellaticeps low open heath over Triodia epactia open hummock

Veg Very Good.
Fire Old.
Note Bareground: 40%
Litter cover: + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia coriacea subsp. coriacea	+	1m	QT028.09	
	Acacia inaequilatera	+	1m	QT090.06	
	Acacia sericophylla			QT094.08b	
	Acacia stellaticeps	40%	<0.7m	QT043.01	
	Acacia tumida var. pilbarensis	10%	<2m	QT094.02	
	Aristida holathera var. latifolia	+	0.2m	QT094.03	
	Bonamia linearis	+	0.05m	QT094.05	
	Bonamia rosea	+	0.2m	QT094.08	
	Corchorus incanus subsp. incanus	+	0.2m	QT028.08	
	Corchorus incanus subsp. incanus	+	0.05m	QT094.04	
	Eriachne obtusa	+	0.3m	QT043.05	
	Hakea lorea subsp. lorea	+	<1m	QT094.10	
	Hybanthus aurantiacus	+	0.3m	QT094.09	
	Indigofera monophylla	+	0.3m	QT090.03	
	Indigofera monophylla	+	0.2m	QT062.01	
	Ptilotus astrolasius var. astrolasius	+	0.2m	QT094.07	
	Sida pilbarensis (ferruginous form)	+	0.3m	QT094.06	
	Triodia epactia	10%	<0.4m	QT094.01	
	Triodia epactia	20%	0.3m	QT033.01	
	Triumfetta chaetocarpa	+	0.4m	QT029.20	

Quantum Flora 1 Site QT095

Described BC **Date** 10/7/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA 50 **662456 mE** **7738915 mN**

Habitat Sand plain with a slight rise.

Soil Brown orange sand.

Rock

Vegetatio Corymbia zygophylla, Acacia tumida var. pilbarensis, Acacia inaequilatera and Acacia coriacea subsp. coriacea shrubland over Acacia stellaticeps low heath over Triodia epactia open hummock grassland over Paraneurachne muelleri scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	2%		1.5m	QT095.12	
	Acacia coriacea subsp. coriacea	1%		1.5m	QT028.09	
	Acacia inaequilatera	2%		1m	QT090.06	
	Acacia stellaticeps	40%		<1m	QT043.01	
	Acacia tumida var. pilbarensis	15%		<2m	QT095.02	
	Aristida holathera var. latifolia	+		0.3m	QT033.06	
	Aristida holathera var. latifolia	+		0.3m	QT095.06	
	Bonamia linearis	+		CL	QT095.07	
	Bonamia rosea	+		0.2m	QT094.08	
	Bonamia rosea	+		0.1m	QT095.15	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Corchorus incanus subsp. incanus	+		0.2m	QT028.08	
	Corymbia zygophylla	2%		1m	QT095.09	
	Dodonaea coriacea	+		0.7m	QT099.03	
	Eriachne aristidea	1%		0.3m	QT095.08	
	Hibiscus sturtii var. campylochlamys	+		0.2m	QT095.18	
	Hybanthus aurantiacus	+		0.3m	QT055.03	
	Hybanthus aurantiacus	+		0.3m	QT095.01	
	Hybanthus aurantiacus	+		0.3m	QT095.04	
	Indigofera monophylla	+		0.3m	QT095.11	
	Leptosema anomalum	+		0.3m	QT095.16	
	Paraneurachne muelleri	2%		0.3m	QT095.10	
	Pluchea tetranthera	+		0.2m	QT095.13	
	Pluchea tetranthera	+		0.4m	QT051.03	
	Ptilotus astrolasius var. astrolasius	+		0.2m	QT095.05	
	Ptilotus astrolasius var. astrolasius	2%		0.3m	QT094.07	
	Sida pilbarensis (ferruginous form)	+		0.2m	QT094.06	
	Tephrosia sp.	+		0.2m	QT095.03	
	Triodia epactia	30%		<0.5m	QT033.01	

Quantum Flora 1 Site QT096

Described EC **Date** 10/7/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **662846 mE** **7738855 mN**

Habitat Sand plain.

Soil Light orange, brown sand with some areas of clay.

Rock

Vegetatio Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia schinzii hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 25%
Litter cover: + Lvs.
Disturbance type: Track is 100m away, cattle track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		1m	QT044.06	
	Acacia stellaticeps	3%		0.3m	QT001.04	
	Bulbostylis barbata	+		0.05m	QT086.01	
	Chrysopogon fallax	+		0.5m	QT027.09	
	Eriachne obtusa	+		0.3m	QT025.03	
	Hakea lorea subsp. lorea	+		1m	QT096.02	
	Hybanthus aurantiacus	+		0.1m	QT025.06	
	Hybanthus aurantiacus	+		0.3m	QT096.03	
	Mitrasacme connata	+		0.1m	QT096.01	
	Pluchea tetranthera	1%		0.3m	QT025.16	
	Triodia schinzii	35%		0.3m	QT056.03	

Quantum Flora 1 Site QT097

Described ML **Date** 10/7/2007 **Type** Q **Uniformity** 50x50m

Locatio East of Great Northern Highway.

MGA 50 **663143 mE** **7738546 mN**

Habitat Sand plain.

Soil Red brown loamy sand.

Rock Quartz.

Vegetatio Acacia tumida var. pilbarensis and Acacia inaequilatera open shrubland over Acacia stellaticeps low heath over Triodia epactia open hummock grassland over Aristida holathera very open tussock grasses.

Veg Very Good.

Fire Old.

Note Bareground: 22%
Litter cover: + Logs, 2% Twigs, 5% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia inaequilatera	2%	0.5-1m	QT091.01	
	Acacia sericophylla	+	0.3m	QT097.04	
	Acacia stellaticeps	50%	<0.75m	QT072.01	
	Acacia trachycarpa	1%	1.4m	QT029.19	
	Acacia tumida var. pilbarensis	7%	1-1.5m	QT085.06	
	Aristida holathera	8%	<0.3m		
	Bonamia rosea	1%	<0.2m	QT097.03	
	Corchorus incanus subsp. incanus	+	0.2m	QT069.03	
	Dolichandrone heterophylla	1%	0.5m	QT097.01	
	Indigofera monophylla	1%	0.4m	QT097.02	
	Ptilotus astrolasius var. astrolasius	+	0.4m	QT097.05	
	Sida pilbarensis (ferruginous form)	+	0.6m	QT063.03	
	Triodia epactia	23%	<0.5m	QT058.07	
	Triodia schinzii	1%	<0.75m	QT053.06	

Quantum Flora 1 Site QT098

Described EC **Date** 10/7/2007 **Type** Q **Uniformity** 50x50m
Season

Locatio

MGA 50 **663849 mE** **7737792 mN**

Habitat Sand plain - depression between two slight rises.

Soil Light orange brown sand with areas of clay.

Rock Quartz, possibly deposited.

Vegetatio Corymbia flavescens scattered low trees over Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps and Pluchea tetranthera low open heath over Triodia lanigera, Triodia epactia and Triodia schinzii hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 25%
 Litter cover: + Twigs, + Lvs.
 Disturbance type: Track next to site.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia stellaticeps	60%	0.4m	QT001.04	
	Acacia tumida var. pilbarensis	+	0.3m	QT098.03	
	Aristida holathera var. latifolia	+	0.3m	QT025.02	
	Bulbostylis barbata	+	0.1m	QT086.01	
	Cassytha capillaris	+		QT025.04	
	Corymbia flavescens	+	0.2m	QT063.01	
	Eragrostis aff. eriopoda (WAS site 963)	+	0.2m	QT098.05	
	Evolvulus alsinoides var. decumbens			QT098-OP	
	Hakea lorea subsp. lorea	1%	2m	QT098.04	
	Pluchea tetranthera	1%	0.5m	QT025.16	
	Triodia epactia	2%	0.3m	QT098.02	
	Triodia lanigera	5%	0.4m	QT098.01	
	Triodia schinzii	3%	0.3m	QT056.03	

Quantum Flora 1 Site QT099

Described BC **Date** 10/7/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA **mE** **mN**

Habitat Sand plain.

Soil Brown orange sand.

Rock

Vegetatio Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps, Dodonaea coriacea and Indigofera monophylla low open shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 35%
Litter cover: + Twigs, + Lvs.
Disturbance type: Some cow tracks.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia coriacea subsp. coriacea	+		1m	QT028.09	
	Acacia stellaticeps	40%		<1.5m	QT043.01	
	Acacia tumida var. pilbarensis	10%		1-2m	QT095.02	
	Aristida inaequiglumis	1%		0.5m	QT099.02	
	Bonamia rosea	+		0.1m	QT095.15	
	Bonamia rosea	+		<0.2m	QT099.01	
	Corchorus incanus subsp. incanus	+		0.2m	QT028.08	
	Dodonaea coriacea	1%		0.7m	QT099.03	
	Eragrostis falcata	+		0.3m	QT043.04	
	Eriachne obtusa	+		0.3m	QT043.06	
	Hybanthus aurantiacus	+		0.3m	QT055.03	
	Indigofera monophylla	1%		0.3m	QT095.11	
	Owenia reticulata	2%		3m	QTOP-17	
	Paraneurachne muelleri	1%		0.3m	QT095.10	
	Pluchea tetranthera	+		0.4m	QT051.03	
	Ptilotus astrolasius var. astrolasius	1%		0.3m	QT094.07	
	Triodia epactia	2%		<0.5m	QT094.01	
	Triodia epactia	25%		<0.5m	QT033.01	

Quantum Flora 1 Site QT100

Described ML **Date** 10/7/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 663984 **mE** 7737006 **mN**

Habitat Plain.

Soil Red brown loam.

Rock

Vegetatio Owenia reticulata scattered low trees over Acacia inaequilatera and Acacia tumida var. pilbarensis high open shrubland over Acacia pyrifolia open shrubland over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera hummock grassland.

Veg Excellent to Very Good.

Fire Old.

Note Bareground: 35%
Litter cover: 2% Logs, 5% Twigs, 10% Lvs.
Disturbance type: Cow dung.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia ancistrocarpa	+	0.8m	QT100.01	
	Acacia colei var. colei	1%	<1m	QT092.04	
	Acacia inaequilatera	10%	2-4m	QT091.01	
	Acacia pyrifolia	4%	1.5m	QT100.04	
	Acacia sericocarpa	2%	0.5-1m	QT097.04	
	Acacia stellaticeps	25%	<0.75m	QT072.01	
	Acacia tumida var. pilbarensis	5%	2-3m	QT091.02	
	Aristida holathera	1%	<0.5m	QT049.02	
	Bonamia rosea	1%	<0.3m	QT097.03	
	Dolichandrone heterophylla	1%	<0.5m	QT097.01	
	Eriachne obtusa	2%	<0.3m	QT072.03	
	Hybanthus aurantiacus	+	0.2m	QT029.07	
	Indigofera monophylla	2%	<0.5m	QT097.02	
	Indigofera monophylla	+	<0.3m	QT069.10	
	Owenia reticulata	2%	6m		
	Pimelea ammocharis	4%	1.5m	QT100.02	
	Ptilotus astrolasius var. astrolasius	1%	<0.5m	QT097.05	
	Sida rohlenae subsp. rohlenae	+	<0.4m	QT058.12	
	Triodia epactia	10%	<0.5m	QT058.07	
	Triodia lanigera	10%	<0.5m	QT100.03	
	Triodia lanigera	2%	<0.5m	QT063.08	
	Triodia schinzii	1%	<0.75m	QT053.06	
	Triumfetta aff. chaetocarpa (HD123)	+	<0.5m	QT081.18	
	Triumfetta chaetocarpa	+	0.4m	QT029.20	
	Waltheria indica	+	0.4m	QT063.07	

Quantum Flora 1 Site QT101

Described **Date** 10/7/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA **mE** **mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Acacia tumida var. pilbarensis and Acacia sericocarpa open shrubland over Acacia stellaticeps low open heath over Triodia lanigera hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Logs, + Lvs.
Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia ancistrocarpa	1%	1m	QT101.05	
	Acacia inaequilatera	1%	1.2m	QT091.01	
	Acacia sericocarpa	1%	1m	QT097.04	
	Acacia stellaticeps	40%	0.5-0.7m	QT072.01	
	Acacia tumida var. pilbarensis	4%	1.2m	QT085.06	
	Aristida inaequiglumis	1%	0.6m	QT101.03	
	Carissa lanceolata	+	0.3m	QT063.02	
	Dodonaea coriacea	+	0.4m	QT101.08	
	Eragrostis aff. eriopoda (WAS site 963)	1%	0.2m	QT101.02	
	Eriachne benthamii	1%	0.3m	QT058.13	
	Gossypium australe (Burrup Peninsula form)	+	0.4m	QT101.06	
	Indigofera monophylla	+	0.3m	QT101.07	
	Pimelea ammocharis	+	0.3m	QT100.02	
	Ptilotus astrolasius var. astrolasius	+	0.3m	QT097.05	
	Solanum phlomoides	+	0.3m	QT101.01	
	Triodia lanigera	15%	0.4m	QT100.03	
	Waltheria indica	+	0.3m	QT101.04	

Quantum Flora 1 Site QT102

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **660629 mE** **7739059 mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Acacia colei var. colei, Acacia coriacea subsp. coriacea and Acacia inaequilatera scattered tall shrubs over Acacia stellaticeps and Corchorus incanus subsp. incanus low shrubland over Triodia schinzii hummock grassland.

Veg Very Good.

Fire Old to Very Old.

Note Bareground: 40%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track and Power line nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	2%	1-2m	QT044.06	
	Acacia coriacea subsp. coriacea	+	2m	QT102.03	
	Acacia inaequilatera	+	2m	QT091.01	
	Acacia sericophylla	+	1m	QT102.04	
	Acacia stellaticeps	35%	0.5-1m	QT001.04	
	Aristida holathera var. latifolia	1%	0.4m	QT025.02	
	Aristida inaequiglumis	+	0.5m	QT102.07	
	Bulbostylis barbata	+	0.1m	QT086.01	
	Cenchrus ciliaris	+	0.3m	QT001.16	
	Chrysopogon fallax	1%	0.6m	QT102.01	
	Corchorus incanus subsp. incanus	1%	0.4m	QT027.06	
	Cyperus blakeanus	+	0.2m	QT044.01	
	Eragrostis aff. eriopoda (WAS site 963)	1%	0.3m	QT102.02	
	Hybanthus aurantiacus	+	0.3m	QT029.07	
	Indigofera monophylla	+	0.3m	QT064.03	
	Leptosema anomalum	+	0.3m	QT102.06	
	Paraneurachne muelleri	+	0.3m	QT088.16	
	Sida billbarkeri	+	0.3m	QT102.05	
	Triodia schinzii	35%	0.4m	QT056.03	

Quantum Flora 1 Site QT103

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **661459 mE** **7738394 mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Acacia colei var. colei open shrubland over Acacia stellaticeps low shrubland over Triodia schinzii hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, + Lvs.
Disturbance type: Fence and highway nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	3%		1-2.5m	QT044.06	
	Acacia inaequilatera	+		1m	QT091.01	
	Acacia stellaticeps	40%		0.8-1m	QT001.04	
	Aristida holathera var. latifolia	1%		0.4m	QT025.02	
	Aristida inaequiglumis	+		0.3m	QT102.07	
	Bonamia linearis	+		0.1m	QT103.05	
	Bulbostylis barbata	+		0.1m	QT086.01	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Chrysopogon fallax	+		0.6m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.4m	QT027.06	
	Dodonaea coriacea	+		0.4m	QT025.15	
	Dysphania rhadinostachya subsp. rhadinostachya	+		0.2m	QT103.04	
	Eriachne obtusa	1%		0.3m	QT044.02	
	Indigofera monophylla	+		0.3m	QT064.03	
	Leptosema anomalum	+		0.3m	QT103.02	
	Senna notabilis	+		0.2m	QT024.14	
	Sida pilbarensis (ferruginous form)	+		0.2m	QT103.01	
	Sida pilbarensis (ferruginous form)	+		0.1m	QT103.06	
	Triodia lanigera	1%		0.3m	QT103.03	
	Triodia schinzii	20%		0.3m	QT056.03	

Quantum Flora 1 Site QT104

Described	ML	Date	10/8/2007	Type	Q	50x50m
Season		Uniformity				
Locatio	Just east of Great Northern Highway.					
MGA	50		661356	mE		7737536 mN
Habitat	Plain.					
Soil	Red brown loam.					
Rock						
Vegetatio	Carissa lanceolata scattered tall shrubs over Acacia tumida var. pilbarensis and Acacia sericocarpa open shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland over Bonamia rosea very open herbland.					
Veg	Excellent.					
Fire	Old.					
Note	Bareground: 25% Litter cover: 1% Logs, 2% Twigs, 4% Lvs. Disturbance type: Cow dung.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei	+		0.6m	QT092.04	
	Acacia sericocarpa	2%			QT097.04	
	Acacia stellaticeps	35%		<0.75m	QT072.01	
	Acacia tumida var. pilbarensis	4%		1-1.5m	QT091.02	
	Bonamia rosea	3%		<0.3m	QT097.03	
	Carissa lanceolata	2%		2m	QT063.02	
	Cenchrus ciliaris	+		<0.3m	QT049.06	
	Corchorus incanus subsp. incanus	+		<0.3m	QT069.03	
	Eriachne obtusa	+		<0.3m	QT072.03	
	Hybanthus aurantiacus	+		<0.4m	QT029.07	
	Indigofera monophylla	1%		<0.3m	QT101.07	
	Indigofera trita	+		0.5m	QT016.04	
	Ipomoea muelleri	+			QT081.17	
	Mukia maderaspatana	+			QT002.06	
	Paraneurachne muelleri	+		<0.3m		
	Ptilotus astrolasius var. astrolasius	1%		<0.3m	QT097.05	
	Schizachyrium fragile	+		<0.1m	QT032.09	
	Senna notabilis	+		<0.1m	QT024.14	
	Sida rohlenae subsp. rohlenae	+		<0.3m	QT058.12	
	Solanum sp.	+		0.55m	QT085.07	
	Triodia epactia	30%		<0.5m	QT060.01	
	Triodia lanigera	1%		<0.5m	QT100.03	
	Triodia schinzii	1%		0.5-1m	QT053.06	

Quantum Flora 1 Site QT105

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **665273 mE** **7734389 mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Acacia colei var. colei, Acacia inaequilatera and Acacia ancistrocarpa scattered shrubs over Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track and fence nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	1%		1.2m	QT105.02	
	Acacia colei var. colei	1%		1.2m	QT044.06	
	Acacia inaequilatera	+		0.8m	QT091.01	
	Acacia stellaticeps	15%		0.5-1m	QT001.04	
	Aristida inaequiglumis	1%		0.6m	QT102.07	
	Cassytha capillaris	+			QT025.04	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Corymbia sp.	+		1m	QT105.01	
	Dodonaea coriacea	+		0.3m	QT025.15	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.2m	QT105.05	
	Eriachne obtusa	+		0.3m	QT044.02	
	Hakea lorea subsp. lorea	+		1m	QT105.03	
	Hibiscus brachychlaenus	+		1m	QT105.06	
	Hybanthus aurantiacus	+		0.2m	QT029.07	
	Mollugo molluginea	+		0.2m	QT105.04	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QT089.02	
	Triodia epactia	3%		0.4m	QT018.09	
	Triodia lanigera	15%		0.6m	QT119.05	

Quantum Flora 1 Site QT106

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **671399 mE** **7731470 mN**

Habitat Sand plain.

Soil Light orange brown sand with clay and some loam in patches.

Rock Quartz pebbles.

Vegetatio Acacia inaequilatera, Acacia bivenosa and Acacia ancistrocarpa shrubland over Acacia stellaticeps scattered shrubs over Triodia lanigera and Triodia schinzii hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 30%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track and rail nearby.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia ancistrocarpa	4%	1.2m	QT106.02	
	Acacia bivenosa	2%	1.5m	QT106.01	
	Acacia bivenosa	10%	1.5m	QT106.03	
	Acacia inaequilatera	2%	1.2-3m	QT091.01	
	Acacia stellaticeps	1%	1m	QT001.04	
	Hakea lorea subsp. lorea	+	1m	QT106.07	
	Indigofera monophylla	+	0.3m	QT064.03	
	Sporobolus australasicus	+	0.1m	QT106.05	
	Trianthema triquetra	+	0.1m	QT106.06	
	Triodia lanigera	30%	0.4m	QT106.04	
	Triodia schinzii	4%	0.4m	QT056.03	

Quantum Flora 1 Site QT107

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **671778 mE** **7730108 mN**

Habitat Sand plain.

Soil Light orange brown clay sand.

Rock Quartz pebbles and some ironstone.

Vegetatio Acacia inaequilatera scattered tall shrubs over Acacia bivenosa and Acacia ancistrocarpa open shrubland over Acacia stellaticeps scattered low shrubs over Triodia lanigera hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 30%
Litter cover: + Twigs, + Lvs.
Disturbance type: Fence, rail line and track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	+		1m	QT107.01	
	Acacia ancistrocarpa	1%		1.2m	QT100.01	
	Acacia bivenosa	2%		1.2m	QT106.03	
	Acacia inaequilatera	1%		2m	QT091.01	
	Acacia stellaticeps	1%		0.6-0.8m	QT001.04	
	Bonamia rosea	+		0.2m	QT107.04	
	Eriachne pulchella subsp. dominii	+		0.1m	QT107.05	
	Hakea lorea subsp. lorea	+		1m	QT107.03	
	Indigofera monophylla	+		0.3m	QT064.03	
	Ptilotus calostachyus var. calostachyus	+		0.3m	QT107.02	
	Senna notabilis	+		0.2m	QT024.14	
	Sporobolus australasicus	+		0.1m	QT111.04	
	Triodia epactia	+		0.5m	QT018.09	
	Triodia lanigera	40%		0.5m	QT119.05	
	Yakirra australiensis var. australiensis	+		0.1m	QT107.06	

Quantum Flora 1 Site QT108

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **672217 mE** **7728075 mN**

Habitat Sand plain.

Soil Light orange brown sand with clay.

Rock Quartz.

Vegetatio Corymbia sp. scattered low trees over Acacia bivenosa, Acacia ancistrocarpa and Acacia inaequilatera open shrubland over Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 50%
Litter cover: + Twigs, + Lvs.
Disturbance type: Road is 200m away.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	8%		1.5m	QT100.01	
	Acacia bivenosa	3%		1.2m	QT106.03	
	Acacia inaequilatera	+		1m	QT091.01	
	Corymbia sp.	3%		1-4m	QT108.03	
	Euphorbia sp.	+		0.2m	QT108.06	
	Goodenia muelleriana	+		0.3m	QT108.07	
	Indigofera monophylla	+		0.3m	QT064.03	
	Rhynchosia minima var. australis	+		0.2m	QT108.02	
	Sida aff. echinocarpa (MET 15,350)	+		0.3m	QT108.01	
	Sporobolus australasicus	+		0.1m	QT111.04	
	Tephrosia supina	+		0.2m	QT108.04	
	Tinospora smilacina	+			QT108.05	
	Triodia lanigera	40%		0.3m	QT119.05	
	Triodia schinzii	+		0..3m	QT056.03	

Quantum Flora 1 Site QT109

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **672665 mE** **7726658 mN**

Habitat Sand plain.

Soil Light orange brown sand with clay in areas.

Rock Quartz and granite pebbles.

Vegetatio Acacia ancistrocarpa, Acacia bivenosa, Atalaya hemiglauca and Acacia inaequilatera open shrubland over Triodia lanigera and Triodia schinzii hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 45%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	+		0.6m	QT107.01	
	Acacia ancistrocarpa	6^		1.3m	QT100.01	
	Acacia bivenosa	3%		1.2m	QT106.03	
	Acacia inaequilatera	1%		2m	QT091.01	
	Atalaya hemiglauca	2%		1m	QT007.01	
	Bonamia linearis	+		0.2m	QT109.02	
	Bonamia rosea	+		0.2m	QT109.01	
	Corymbia sp.	+		0.2m	QT108.03	
	Indigofera monophylla	+		0.3m	QT064.03	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QT097.05	
	Sporobolus australasicus	+		0.1m	QT111.04	
	Triodia lanigera	25%		0.3m	QT119.05	
	Triodia schinzii	25%		0.3m	QT056.03	

Quantum Flora 1 Site QT110

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **672850 mE** **7725731 mN**

Habitat Sand plain.

Soil Light orange brown sand with areas of clay crust.

Rock

Vegetatio Acacia inaequilatera scattered tall shrubs over Acacia ancistrocarpa and Acacia bivenosa shrubland over Indigofera monophylla and Bonamia rosea scattered low shrubland over Triodia lanigera and Triodia schinzii hummock grass land.

Veg Excellent.

Fire Old.

Note Bareground: 35%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia ancistrocarpa	3%	1m	QT107.01	
	Acacia ancistrocarpa	10%	1.2m	QT110.01	
	Acacia bivenosa	+	1m	QT106.03	
	Acacia inaequilatera	1%	2m	QT091.01	
	Acacia stellaticeps	+	0.5-1m	QT001.04	
	Acacia tumida var. pilbarensis	+	1m	QT110.02	
	Bonamia rosea	+	0.2m	QT110.05	
	Bonamia rosea	+	0.2m	QT110.04	
	Bonamia rosea	+	0.2m	QT110.03	
	Hakea lorea subsp. lorea	+	1.2m	QT110.07	
	Indigofera monophylla	+	0.3m	QT064.03	
	Polymeria sp.	+	CR	QT110.06	
	Ptilotus calostachyus var. calostachyus	+	0.3m		
	Senna notabilis	+	0.1m	QT024.14	
	Triodia lanigera	50%	0.4m	QT119.05	
	Triodia schinzii	+	0.3m	QT056.03	

Quantum Flora 1 Site QT111

Described ML **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **672976 mE** **7724671 mN**

Habitat Low hill rise on plain.

Soil Red brown loam with some clay and surface pebbles.

Rock Quartz and Ironstone.

Vegetatio Acacia inaequilatera scattered tall shrubs over Acacia ancistrocarpa shrubland over Indigofera monophylla scattered low shrubs over Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: South East.
Bareground: 35%
Litter cover: 1% Logs, 2% Twigs, 4% Lvs.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia ancistrocarpa	20%	1-2m	QT100.01	
	Acacia inaequilatera	3%	2-2.5m	QT091.01	
	Acacia maitlandii	+	0.6m	QT111.02	
	Aristida contorta	2%	<0.3m	QT111.01	
	Corchorus incanus subsp. incanus	+	0.3m	QT069.03	
	Eragrostis cumingii	1%	<0.1m	QT079.02	
	Eragrostis cumingii	+	<0.1m	QT079.02	
	Euphorbia sp.	1%	<0.1m	QT111.05	
	Gossypium australe (Burrup Peninsula form)	+	0.2m	QT111.03	
	Indigofera monophylla	2%	<0.5m	QT101.07	
	Sida rohlenae subsp. rohlenae	+	0.4m	QT058.12	
	Sporobolus australasicus	+	<0.1m	QT111.04	
	Triodia lanigera	45%	<0.5m	QT100.03	
	Triodia schinzii	+	<0.4m	QT053.06	

Quantum Flora 1 Site QT112

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **673067 mE** **7723589 mN**

Habitat Sand plain.

Soil Light orange brown sand/clay.

Rock Quartz.

Vegetatio Pluchea tetranthera and Acacia stellaticeps scattered low shrubs over Triodia schinzii and Triodia lanigera hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 50%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Abutilon lepidum	+		0.2m	QT112.09	
	Abutilon lepidum	+		0.3m	QT112.12	
	Acacia colei var. colei	1%		1m	QT044.06	
	Acacia inaequilatera	+		1.5m	QT091.01	
	Acacia stellaticeps	1%		0.5m	QT001.04	
	Aerva javanica	+		0.2m	QT112.15	
	Aristida contorta	+		0.2m	QT112.04	
	Cenchrus ciliaris	1%		0.2m	QT001.16	
	Euphorbia coghlanii	+		0.2m	QT112.02	
	Euphorbia sp.	+		0.2m	QT112.06	
	Fimbristylis sp.	+		0.1m	QT112.07	
	Neptunia dimorphantha	+		0.1m	QT112.10	
	Pimelea ammodaridiflora	+		0.1m	QT112.14	
	Pluchea ferdinandi-muelleri	+		0.3m	QT83.01	
	Pluchea rubelliflora	+		0.2m	QT112.08	
	Pluchea tetranthera	1%		0.5m	QT025.16	
	Salsola tragus subsp. grandiflora	+		0.2m	QT112.05	
	Senna glutinosa subsp. x luerksenii	+		0.5m	QT112.03	
	Senna notabilis	+		0.6m	QT024.14	
	Sida billbarkeri	+		0.3m	QT027.10	
	Sida clementii	+		0.3m	QT112.11	
	Sida clementii	+		0.2m	QT112.13	
	Sida clementii	+		0.2m	QT112.16	
	Sporobolus australasicus	+		0.1m	QT112.01	
	Triodia lanigera	10%		0.3m	QT119.05	
	Triodia schinzii	30%		0.3m	QT056.03	

Quantum Flora 1 Site QT113

Described EC **Date** 10/8/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA 50 **673120 mE** **7722138 mN**

Habitat Sand plain.

Soil Light orange brown sand with some clay.

Rock Quartz pebbles.

Vegetatio Corymbia zygophylla scattered low trees over Acacia ancistrocarpa and Acacia inaequilatera shrubland over Acacia stellaticeps and Indigofera monophylla low open shrubland over Triodia schinzii and Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	+		0.5m	QT113.10	
	Acacia ancistrocarpa	8%		1-3m	QT100.01	
	Acacia colei var. colei	+		1m	QT044.06	
	Acacia inaequilatera	3%		2m	QT091.01	
	Acacia stellaticeps	2%		0.6m	QT001.04	
	Aerva javanica	+		0.4m	QT001.05	
	Aristida inaequiglumis	+		0.4m	QT113.14	
	Bulbostylis barbata	+		0.1m	QT086.01	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Corchorus elachocarpus	+		0.3m	QT113.02	
	Corymbia zygophylla	1%		4m	QT113.11	
	Cullen martinii	+		0.5m	QT113.06	
	Goodenia microptera	+		0.2m	QT113.04	
	Heliotropium sp.	+		0.2m	QT113.01	
	Indigofera monophylla	1%		0.3m	QT064.03	
	Mollugo molluginea	+		0.1m	QT113.05	
	Mukia maderaspatana	+			QT002.06	
	Polymeria calycina	+		0.2m	QT113.03	
	Pterocaulon sp.	+		0.3m	QT113.15	
	Senna notabilis	+		0.1m	QT024.14	
	Sida aff. echinocarpa (MET 15,350)	+		0.2m	QT113.12	
	Sida billbarkeri	+		0.3m	QT027.10	
	Sida pilbarensis (ferruginous form)	+		0.2m	QT113.09	
	Sida rohlena subsp. rohlena	+		0.2m	QT113.13	
	Sporobolus australasicus	+		0.1m	QT111.04	
	Tephrosia supina	+		0.1m	QT113.08	
	Tephrosia supina	+		0.1m	QT113.07	
	Triodia lanigera	10%		0.3m	QT119.05	
	Triodia schinzii	30%		0.4m	QT056.03	
	Triumfetta chaetocarpa	+		0.3m	QT029.20	

Quantum Flora 1 Site QT114

Described EC **Date** 10/8/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **673212 mE** **7720764 mN**
Habitat Sand plain.
Soil Light orange brown sand with some clay.
Rock Quartz.
Vegetatio Acacia ancistrocarpa and Acacia inaequilatera shrubland over Triodia schinzii hummock grassland.
Veg Excellent.
Fire Old.
Note Bareground: 25%
 Litter cover: + Twigs, + Lvs.
 Disturbance type: Tracks and rail 100m away.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Abutilon trudgenii MS	+		0.2m	QT114.08	
	Acacia ancistrocarpa	10%		1-2m	QT100.01	
	Acacia inaequilatera	5%		1-2m	QT091.01	
	Aristida holathera var. latifolia	+		0.3m	QT114.12	
	Bonamia linearis	+		CR	QT114.03	
	Calandrinia pumila	+		0.2m	QT087.09	
	Cenchrus ciliaris	1%		0.3m	QT001.16	
	Chrysopogon fallax	+		0.5m	QT027.09	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.2m	QT114.06	
	Eriachne obtusa	+		0.3m	QT044.02	
	Euphorbia sp.	+		0.1m	QT114.13	
	Evolvulus alsinoides var. decumbens	+		0.2m	QT114.14	
	Heliotropium sp.	+		0.3m	QT114.10	
	Hibiscus sp.	+		0.5m	QT114.11	
	Indigofera monophylla	+		0.3m	QT064.03	
	Mollugo molluginea	+		0.1m	QT114.05	
	Paraneurachne muelleri	1%		0.3m	QT114.09	
	Paraneurachne muelleri	1%		0.3m	QT114.01	
	Polymeria calycina	+		0.2m	QT114.02	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QT089.02	
	Sida billbarkeri	+		0.3m	QT027.10	
	Sida clementii	+		0.6m	QT114.04	
	Sida clementii	+		0.5m	QT114.16	
	Sida rohlenae subsp. rohlenae	+		0.2m	QT114.15	
	Triodia lanigera	2%		0.3m	QT119.05	
	Triodia schinzii	40%		0.5m	QT056.03	

Quantum Flora 1 Site QT115

Described	ML	Date	10/8/2007	Type	Q	25x100m
Season				Uniformity		
Locatio	West of BHP rail.					
MGA	50		673312	mE		7720299 mN
Habitat	River bed.					
Soil	Brown orange clay sand; Alluvial deposits with scattered rocks, cobbles and pebbles.					
Rock	Basalt, Quartz and Ironstone.					
Vegetatio	Corymbia flavescens low open woodland over Acacia tumida var. pilbarensis high open shrubland over Acacia trachycarpa open shrubland over Acacia coleii var. coleii low open shrubland over *Cenchrus ciliaris grassland.					
Veg	Excellent to Very Good.					
Fire	Old.					
Note	Aspect: East. Bareground: 40% Litter cover: 2% Logs, 3% Twigs, 3% Lvs. Disturbance type: Cenchrus, cows.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ampliceps	+		0.3m	QT115.16	
	Acacia ampliceps	+		0.3m	QT115.15	
	Acacia coleii var. coleii	8%		0.4m	QT049.04	
	Acacia trachycarpa	+		0.4m	QT115.28	
	Acacia trachycarpa	5%		1-2m	QT029.19	
	Acacia tumida var. pilbarensis	4%		3-4m	QT091.02	
	Ammannia baccifera	+		<0.1m	QT115.18	
	Ammannia baccifera	+		0.1m	QT115.08	
	Ammannia baccifera	+		0.1m	QT115.14	
	Calandrinia quadrivalvis	+		0.2m	QT115.06	
	Calandrinia quadrivalvis	+		<0.1m	QT115.19	
	Cenchrus ciliaris	35%		<0.3m	QT049.06	
	Citrullus colocynthis	+		<0.2m	QT115.20	
	Corchorus elachocarpus	+		0.4m	QT115.01	
	Corchorus incanus subsp. incanus	+		<0.4m	QT069.03	
	Corymbia flavescens	5%		6m	QT115.22	
	Corymbia flavescens	5%		7m	QT115.24	
	Corymbia flavescens	5%		6m	QT115.25	
	Cyperus blakeanus	+		<0.5m	QT092.03	
	Dysphania sphaerosperma	+		0.2m	QT115.04	
	Euphorbia coghlanii	+		<0.3m	QT115.17	
	Euphorbia coghlanii	+		<0.3m	QT115.09	
	Glinus lotoides	+		<0.2m	QT115.07	
	Hibiscus austrinus var. austrinus	+		<0.3m	QT115.13	
	Mukia maderaspatana	+			QT002.06	
	Panicum decompositum	+		0.4m	QT049.01	
	Pluchea ferdinandi-muelleri	+		0.4m	QT115.27	
	Pluchea rubelliflora	+		0.4m	QT115.02	
	Rhynchosia minima var. australis	+		<0.3m	QT115.12	
	Senna notabilis	+		<0.3m	QT024.14	
	Senna notabilis	+		<0.5m	QT024.14	
	Senna venusta	+		0.5m	QT115.26	
	Sesbania cannabina	+		0.5-1m	QT115.05	
	Sida rohlenae subsp. rohlenae	+		<0.4m	QT058.12	
	Stemodia grossa	+		0.3m	QT115.03	

Triodia epactia	1%	<0.5m	QT058.07
Waltheria indica	+	0.3m	QT115.29
Waltheria indica	+	<0.1m	QT115.21

Quantum Flora 1 Site QT116

Described EC **Date** 10/9/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA 50 **664860 mE** **7735438 mN**

Habitat Sand plain.

Soil Light orange, brown sand with some clay patches.

Rock

Vegetatio Acacia inaequilatera and Acacia ancistrocarpa scattered shrubs over Acacia stellaticeps low shrubland over Triodia lanigera hummock grassland.

Veg Very Good.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	+		1m	QT116.05	
	Acacia inaequilatera	1%		1m	QT091.01	
	Acacia stellaticeps	20%		0.5m	QT001.04	
	Bulbostylis barbata	+		0.1m	QT086.01	
	Hakea lorea subsp. lorea	+		1m	QT116.06	
	Hybanthus aurantiacus	+		0.1m	QT025.06	
	Hybanthus aurantiacus	+		0.05m	QT116.03	
	Indigofera monophylla	+		0.3m	QT064.03	
	Pterocaulon serrulatum	+		0.3m	QT116.02	
	Ptilotus astrolasius var. astrolasius	+		0.5m	QT097.05	
	Senna notabilis	+		0.5m	QT024.14	
	Sida pilbarensis (ferruginous form)	+		0.1m	QT116.04	
	Synaptantha tillaeacea var. tillaeacea	+		0.1m	QT116.01	
	Triodia lanigera	30%		0.4m	QT119.05	
	Triodia schinzii	+		0.3m	QT056.03	

Quantum Flora 1 Site QT117

Described EC **Date** 10/9/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA 50 664940 **mE** 7734939 **mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Acacia ancistrocarpa, Acacia tumida var. pilbarensis and Acacia inaequilatera open shrubland over Triodia lanigera hummock grassland.

Veg Very Good to Excellent.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	50%		1m	QT100.01	
	Acacia coriacea subsp. coriacea	+		1m	QT117.06	
	Acacia inaequilatera	1%		2m	QT091.01	
	Acacia tumida var. pilbarensis	1%		1.5m	QT117.09	
	Aristida holathera var. latifolia	+		0.1m	QT117.11	
	Bulbostylis barbata	+		0.1m	QT086.01	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Dysphania rhadinostachya subsp. rhadinostachya	+		0.1m	QT117.01	
	Euphorbia sp.	+		0.1m	QT117.10	
	Hybanthus aurantiacus	+		0.2m	QT025.06	
	Hybanthus aurantiacus	+		0.2m	QT117.05	
	Mollugo molluginea	+		0.2m	QT117.07	
	Polycarpaea corymbosa var. corymbosa	+		0.1m	QT117.12	
	Senna notabilis	+		0.3m	QT024.14	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT089.02	
	Sida pilbarensis (ferruginous form)	+		0.1m	QT117.02	
	Tephrosia leptoclada	+		0.2m	QT117.03	
	Triodia epactia	1%		0.3m	QT117.08	
	Triodia lanigera	+		0.2m	QT117.04	
	Triodia lanigera	30%		0.4m	QT119.05	

Quantum Flora 1 Site QT118

Described	BC	Date	10/9/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	A long corridor "fence" road, top end.					
MGA	50		666329	mE		7732542 mN
Habitat	Sand plain.					
Soil	Brown orange sand.					
Rock						
Vegetatio	Acacia inaequilatera scattered tall shrubs over Acacia ancistrocarpa and Acacia tumida var. pilbarensis shrubland over Acacia stellaticeps, Acacia sericophylla, Senna artemisioides and Ptilotus astrolasius low open shrubland over Triodia lanigera and Triodia epactia hummock					
Veg	Excellent.					
Fire	Old.					
Note	Background: 60% Litter cover: + Twigs, + Lvs.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	10%		1-2.5m	QT118.01	
	Acacia inaequilatera	2%		<2m	QT090.06	
	Acacia sericophylla	2%		1m	QT118.02	
	Acacia stellaticeps	3%		<0.5m	QT043.01	
	Acacia tumida var. pilbarensis	4%		1-2.5m	QT095.02	
	Bonamia linearis	+			QT118.14	
	Bonamia rosea	+		0.2m	QT118.11	
	Bonamia rosea	+		0.3m	QT118.04	
	Bonamia rosea	+		0.05m	QT118.06	
	Bonamia rosea	+		0.2m	QT118.07	
	Bonamia rosea	+		0.3m	QT118.08	
	Cleome uncifera subsp. uncifera	+		0.2m	QT118.12	
	Corchorus incanus subsp. incanus	+		0.5m	QT028.08	
	Dodonaea coriacea	+		0.4m	QT099.03	
	Mollugo molluginea	+		<0.2m	QT125.04	
	Paraneurachne muelleri	+		0.2m	QT118.09	
	Ptilotus astrolasius var. astrolasius	1%		0.4m	QT094.07	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QT118.10	
	Senna artemisioides aff subsp oligophylla (thinly sericeous)	3%		0.3m	QT118.03	
	Sida pilbarensis (ferruginous form)	1%		0.3m	QT094.06	
	Solanum phlomoides	+		0.3m	QT118.13	
	Triodia epactia	18%		<0.5m	QT067.12	
	Triodia lanigera	30%		<0.5m	QT118.05	

Quantum Flora 1 Site QT119

Described EC **Date** 10/9/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA **mE** **mN**

Habitat Sand plain.

Soil Light orange brown sand with hard clay in some areas.

Rock

Vegetatio Acacia inaequilatera scattered shrubs over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Very Good to Excellet.

Fire Old.

Note Bareground: 35%
Litter cover: + Twigs, + Lvs.
Disturbance type: Track/fence 200m away.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia inaequilatera	1%	1-2m	QT091.01	
	Acacia sericophylla	+	0.5m	QT119.04	
	Acacia stellaticeps	8%	0.5-1m	QT001.04	
	Bulbostylis barbata	+	0.1m	QT086.01	
	Cassytha capillaris	+	CR	QT025.04	
	Dolichandrone heterophylla	1%	0.4m	QT119.01	
	Hybanthus aurantiacus	+	0.05m	QT025.06	
	Indigofera monophylla	+	0.3m	QT064.03	
	Paraneurachne muelleri	+	0.2m	QT119.03	
	Ptilotus astrolasius var. astrolasius	+	0.3m	QT097.05	
	Senna notabilis	+	0.3m	QT024.14	
	Sida pilbarensis (ferruginous form)	+	0.1m	QT119.02	
	Triodia epactia	2%	0.3m	QT018.09	
	Triodia lanigera	40%	0.5m	QT119.05	

Quantum Flora 1 Site QT120

Described	ML	Date	10/9/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	East of FMG Railway.					
MGA	50		666517	mE		7733814 mN
Habitat	Plain.					
Soil	Red brown loam.					
Rock						
Vegetatio	Corymbia flavescens low open woodland over Acacia ancistrocarpa, Acacia colei var. colei, Acacia inaequilatera and Acacia tumida var. pilbarensis shrubland over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia lanigera open hummock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Bareground: 15% Litter cover: 2% Logs, 3% Twigs, 6% Lvs.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	+		0.4m	QT120.04	
	Acacia ancistrocarpa	10%		<0.75m	QT101.05	
	Acacia colei var. colei	5%		<2m	QT120.10	
	Acacia inaequilatera	5%		1-2m	QT091.01	
	Acacia sericophylla	1%		1m	QT120.09	
	Acacia stellaticeps	10%		<0.5-	QT072.01	
	Acacia tumida var. pilbarensis	2%		1-1.5m	QT085.06	
	Achyranthes aspera	1%		<0.4m	QT069.08	
	Alternanthera nana	+		0.1m	QT120.11	
	Aristida holathera	+		<0.4m	QT049.02	
	Bonamia linearis	+		0.1m	QT091.04	
	Bonamia linearis	+			QT120.02	
	Bonamia rosea	+		<0.4m	QT097.03	
	Carissa lanceolata	1%		<1-2m	QT063.02	
	Cenchrus ciliaris	+		<0.2m	QT049.06	
	Corchorus elachocarpus	+		<0.4m	QT120.06	
	Corymbia flavescens	4%		2-5m	QT120.01	
	Corymbia flavescens	5%		3-6m	QT115.22	
	Dolichandrone heterophylla	+		<1m	QT097.01	
	Dysphania rhadinostachya subsp. rhadinostachya	+		0.1m	QT079.05	
	Ehretia saligna	1%		<1-4m	QT120.05	
	Eragrostis cumingii	1%		<0.1m	QT079.02	
	Euphorbia coghlanii	+		0.2m	QT120.07	
	Euphorbia sp.	+		<0.1m	QT111.05	
	Fimbristylis sp.	8%		<0.3m	QT049.03	
	Hakea lorea subsp. lorea	2%		<1m	QT120.03	
	Indigofera monophylla	2%		<0.3m	QT101.07	
	Mukia maderaspatana	+			QT002.06	
	Paraneurachne muelleri	+		<0.3m		
	Ptilotus astrolasius var. astrolasius	+		<0.5m	QT097.05	
	Senna artemisioides aff subsp oligophylla (thinly sericeous)	+		1m	QT120.08	
	Senna notabilis	+		<0.3m	QT024.14	
	Sida pilbarensis (ferruginous form)	+		<0.3m	QT063.03	
	Triodia epactia	12%		<0.5m	QT060.01	
	Triodia lanigera	8%		<0.5m	QT100.03	

Quantum Flora 1 Site QT121

Described ML **Date** 10/9/2007 **Type** Q 50x50m
Season **Uniformity**

Locatio East of FMG Railway.

MGA 50 666410 **mE** 7729109 **mN**

Habitat Plain.

Soil Red brown loam sand.

Rock

Vegetatio Corymbia zygophylla low open woodland over Acacia inaequilatera scattered tall shrubs over Acacia ancistrocarpa and Acacia tumida var. pilbarensis shrubland over Acacia stellaticeps and Corchorus elachocarpus low open shrubland over Triodia epactia and Triodia lanigera open hummock rassland.

Veg Excellent.

Fire Old.

Note Bareground: 30%
Litter cover: 1% Logs, 3% Twigs, 7% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	15%		1-2.5m	QT101.05	
	Acacia colei var. colei	+		0.4m	QT120.10	
	Acacia inaequilatera	2%		2-3m	QT091.01	
	Acacia sericocarpa	2%		0.4m	QT097.04	
	Acacia stellaticeps	10%		<0.5m	QT072.01	
	Acacia tumida var. pilbarensis	3%		<1.5m	QT085.06	
	Bonamia linearis	+		<0.1m	QT091.05	
	Bonamia rosea	+		<0.3m	QT097.03	
	Corchorus elachocarpus	1%		<0.5m	QT120.06	
	Corchorus incanus subsp. incanus	1%		<0.5m	QT069.03	
	Corymbia zygophylla	8%		8m	QT121.01	
	Dodonaea coriacea	+		<0.4m	QT024.13	
	Eragrostis cumingii	+		<0.1m	QT079.02	
	Eriachne obtusa	8%		<0.3m	QT072.03	
	Euphorbia sp.	+		<0.1m	QT111.05	
	Hakea lorea subsp. lorea	3%		2-3m	QT063.04	
	Hybanthus aurantiacus	+		<0.5m	QT029.07	
	Indigofera monophylla	1%		<0.5m	QT101.07	
	Mollugo molluginea	+		0.2m	QT032.04	
	Mukia maderaspatana	+			QT002.06	
	Ptilotus astrolasius var. astrolasius	3%		<0.5m	QT097.05	
	Ptilotus calostachyus var. calostachyus	+		<0.5m		
	Scaevola parvifolia subsp. pilbarae	+		<0.2m	QT121.02	
	Senna notabilis	+		<0.3m	QT024.14	
	Triodia epactia	20%		<0.5m	QT045.01	
	Triodia lanigera	3%		<0.4m	QT100.03	

Quantum Flora 1 Site QT122

Described EC **Date** 10/9/2007 **Type** Q **Uniformity** 50x50m

Locatio

MGA 50 **666221 mE** **7729875 mN**

Habitat Sand plain.

Soil Orange brown sand.

Rock

Vegetatio Corymbia zygophylla low open woodland over Acacia ancistrocarpa, Acacia tumida var. pilbarensis, Acacia sericophylla, Senna glutinosa subsp. luerksenii shrubland over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: East - slightly.
Bareground: 45%
Litter cover: + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	20%		1-3m	QT100.01	
	Acacia inaequilatera	+		1m	QT091.01	
	Acacia sericophylla	+		1m	QT122.07	
	Acacia stellaticeps	3%		0.6m	QT001.04	
	Acacia tumida var. pilbarensis	1%		1.5m	QT122.02	
	Aristida holathera var. latifolia	+		0.4m	QT024.05	
	Bulbostylis barbata	+		0.1m	QT086.01	
	Chrysopogon fallax	+		0.6m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.4m	QT027.06	
	Corymbia zygophylla	5%		0.5-4m	QT122.03	
	Dysphania rhadinostachya subsp. rhadinostachya	+		0.1m		
	Eragrostis aff. eriopoda (WAS site 963)	2%		0.3m	QT122.13	
	Eriachne obtusa	+		0.3m	QT122.09	
	Eriachne obtusa	+		0.3m	QT122.05	
	Gossypium australe (Burrup Peninsula form)	+		0.2m	QT122.06	
	Grevillea pyramidalis subsp. leucadendron	+		1.2m	QT122.12	
	Hibiscus leptocladus	+		0.3m	QT122.04	
	Indigofera monophylla	+		0.3m	QT064.03	
	Mollugo molluginea	+		0.2m	QT032.04	
	Mukia maderaspatana	+			QT002.06	
	Polycarpaea longiflora	+		0.1m		
	Ptilotus astrolasius var. astrolasius	+		0.3m	QT097.05	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QT122.01	
	Schizachyrium fragile	+		0.1m	QT122.11	
	Senna glutinosa subsp. x luerksenii	+		0.5m	QT122.08	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QT122.10	
	Triodia epactia	25%		0.7m	QT122.14	
	Triodia lanigera	10%		0.5m	QT119.05	

Quantum Flora 1 Site QT123

Described	BC	Date	10/9/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	""Fence" road, half way.					
MGA	50		666539	mE		7730340 mN
Habitat	Sand plain.					
Soil	Brown orange sand.					
Rock						
Vegetatio	Acacia inaequilatera, Acacia ancistrocarpa, Acacia tumida var. pilbarensis, Acacia sericophylla and Dolichandrone heterophylla shrubland over Acacia stellaticeps and Bonamia rosea low open shrubland over Triodia epactia and Triodia lanigera hummock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Bareground: 50% Litter cover: + Twigs, + Lvs. Disturbance type: Track nearby ~50m.					

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia ancistrocarpa	2%	2m	QT118.01	
	Acacia inaequilatera	5%	0.5-1.5m	QT090.06	
	Acacia sericophylla	3%	1.5m	QT123.01	
	Acacia sericophylla	1%	1-1.5m	QT123.11	
	Acacia stellaticeps	8%	<0.7m	QT043.01	
	Acacia tumida var. pilbarensis	5%	1-2m	QT095.02	
	Bonamia rosea	+	0.2m	QT118.07	
	Bonamia rosea	+	0.05m	QT123.08	
	Bonamia rosea	2%	<0.3m	QT123.02	
	Corchorus incanus subsp. incanus	+	0.2m	QT028.08	
	Corymbia zygophylla	+	1.5m	QT123.07	
	Dolichandrone heterophylla	3%	1-2m	QT123.03	
	Eragrostis aff. eriopoda (WAS site 963)	+	0.3m	QT123.04	
	Eriachne obtusa	+	0.2m	QT043.06	
	Eriachne obtusa	+	0.3m	QT123.06	
	Grevillea pyramidalis subsp. leucadendron	+	1m	QT123.10	
	Hybanthus aurantiacus	+	0.2m	QT123.12	
	Mollugo molluginea	+	0.2m	QT125.04	
	Paraneurachne muelleri	+	0.3m	QT118.09	
	Ptilotus astrolasius var. astrolasius	+	0.3m	QT094.07	
	Scaevola parvifolia subsp. pilbarae	+	0.3m	QT123.13	
	Schizachyrium fragile	+	0.1m	QT123.09	
	Senna artemisioides aff subsp oligophylla (thinly sericeous)	+	0.4m	QT118.03	
	Sida pilbarensis (ferruginous form)	+	0.3m	QT094.06	
	Triodia epactia	40%	<0.5m	QT123.05	
	Triodia lanigera	5%	<0.5m	QT118.05	

Quantum Flora 1 Site QT124

Described EC **Date** 10/9/2007 **Type** Q **50x50m**
Season **Uniformity**

Locatio

MGA 50 **666334 mE** **7731020 mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetatio Corymbia zygophylla scattered low trees over Acacia ancistrocarpa, Acacia colei var. colei, Acacia sericophylla and Acacia inaequilatera shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera, Triodia schinzii and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 40%
Litter cover: + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	3%		1-1.5m	QT100.01	
	Acacia colei var. colei	2%		1-1.5m	QT124.10	
	Acacia coriacea subsp. coriacea	+		1m	QT124.03	
	Acacia inaequilatera	3%		1-3m	QT091.01	
	Acacia sericophylla	2%		1-1.5m	QT124.02	
	Acacia stellaticeps	3%		0.5-1m	QT001.04	
	Bonamia rosea	+		0.3m	QT124.04	
	Cassyltha capillaris	+		CR	QT025.04	
	Cenchrus ciliaris	+		0.3m	QT001.16	
	Chrysopogon fallax	+		0.6m	QT027.09	
	Corchorus incanus subsp. incanus	+		0.3m	QT027.06	
	Corymbia zygophylla	1%		3m	QT122.03	
	Dodonaea concinna	+		0.5m	QT025.15	
	Eriachne obtusa	1%		0.3m	QT044.02	
	Goodenia forrestii	+		0.2m	QT124.09	
	Goodenia forrestii	+		0.2m	QT124.07	
	Hybanthus aurantiacus	+		0.3m	QT029.07	
	Hybanthus aurantiacus	+		0.3m	QT124.05	
	Hybanthus aurantiacus	+		0.1m	QT124.08	
	Hybanthus aurantiacus	+		0.1m	QT025.06	
	Indigofera monophylla	+		0.3m	QT064.03	
	Mollugo molluginea	+		0.2m	QT032.04	
	Polycarpaea longiflora	+		0.1m		
	Ptilotus astrolasius var. astrolasius	+		0.3m	QT097.05	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QT124.06	
	Triodia epactia	2%		0.3m	QT122.14	
	Triodia lanigera	25%		0.4m	QT119.05	
	Triodia schinzii	5%		0.3m	QT124.01	

Quantum Flora 1 Site QT125

Described	BC	Date	10/9/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	"Fence" track near FMG, top end.					
MGA	50		666521	mE		7731429 mN
Habitat	Sand plain.					
Soil	Brown orange sand.					
Rock						
Vegetatio	Acacia ancistrocarpa, Acacia tumida var. pilbarensis and Acacia inaequilatera shrubland over Acacia stellaticeps, Senna artemisioides aff. subsp. oligophylla (thin sericeous), Ptilotus astrolasius var. astrolasius and Bonamia rosea low open shrubland over Triodia epactia and Triodia lanigera hummock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Bareground: 50% Litter cover: + Twigs, + Lvs. Disturbance type: Track and fenceline 50m away.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia inaequilatera	5%		1m	QT090.06	
	Acacia sericophylla	1%		<1m	QT123.01	
	Acacia stellaticeps	5%		0.4m	QT043.01	
	Acacia stellaticeps	8%		2m	QT043.01	
	Acacia tumida var. pilbarensis	5%		1-2m	QT095.02	
	Aristida inaequiglumis	+		0.5m	QT125.01	
	Bonamia rosea	+		0.2m	QT118.07	
	Bonamia rosea	+		0.1m	QT123.08	
	Bonamia rosea	1%		0.2m	QT123.02	
	Cassytha capillaris	+			QT026.05	
	Corchorus incanus subsp. incanus	+		0.2m	QT028.08	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QT123.04	
	Eriachne obtusa	+		0.3m	QT043.06	
	Hybanthus aurantiacus	+		0.2m	QT125.03	
	Indigofera monophylla	+		0.2m	QT125.02	
	Leptosema anomalum	+		0.2m	QT095.16	
	Mollugo molluginea	+		0.2m	QT125.04	
	Ptilotus astrolasius var. astrolasius	2%		0.4m	QT094.07	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QT123.13	
	Senna artemisioides aff subsp oligophylla (thinly sericeous)	2%		0.3m	QT118.03	
	Sida pilbarensis (ferruginous form)	+		0.3m	QT094.06	
	Triodia epactia	25%		<0.5m	QT123.05	
	Triodia lanigera	15%		<0.5m	QT118.05	

Quantum Flora 1 Site QT126

Described	ML	Date	10/9/2007	Type	Q	50x50m
Season				Uniformity		
Locatio	East of FMG Railway.					
MGA	50		666239	mE		7731941 mN
Habitat	Sandy plain.					
Soil	Red brown sandy loam.					
Rock						
Vegetatio	Acacia colei var. colei high open shrubland over Acacia tumida var. pilbarensis, Acacia inaequilatera and Acacia ancistrocarpa shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock grassland.					
Veg	Excellent to Very Good.					
Fire	Old to Moderate.					
Note	Bareground: 35% Litter cover: + Twigs, + Lvs.					

SPECIES

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia ancistrocarpa	5%		1.5-7.5m	QT101.05	
	Acacia bivenosa	1%		2m	QT126.06	
	Acacia colei var. colei	10%		3m	QT120.10	
	Acacia coriacea subsp. coriacea	1%		<0.5m	QT066.01	
	Acacia inaequilatera	5%		0.5-2m	QT091.01	
	Acacia sp.	2%		1-2m	QT126.05	
	Acacia stellaticeps	8%		<0.6m	QT072.01	
	Acacia tumida var. pilbarensis	3%		1.5-2.5m	QT091.02	
	Aristida holathera	2%		<0.3m		
	Bonamia rosea	+		<0.3m	QT097.03	
	Cassytha capillaris	+			QT126.03	
	Corchorus incanus subsp. incanus	+		<0.3m	QT069.03	
	Dodonaea coriacea	2%		0.5m	QT024.13	
	Eragrostis cumingii	+		<0.1m	QT079.02	
	Euphorbia sp.	+		<0.2m	QT111.05	
	Evolvulus alsinoides var. decumbens	+		<0.3m	QT126.07	
	Goodenia forrestii	+		<0.3m	QT126.01	
	Goodenia forrestii	+		<0.3m	QT126.04	
	Hakea lorea subsp. lorea	+		<0.4m	QT063.04	
	Hybanthus aurantiacus	+		0.4m	QT029.07	
	Indigofera monophylla	1%		<0.5m	QT101.07	
	Mollugo molluginea	+		<0.3m	QT032.04	
	Ptilotus astrolasius var. astrolasius	2%		<0.5m	QT097.05	
	Scaevola parvifolia subsp. pilbarae	+		<0.3m	QT121.02	
	Schizachyrium fragile	+		<0.2m	QT126.02	
	Sida rohlenae subsp. rohlenae	+		<0.3m	QT058.12	
	Triodia epactia	3%		<0.5m	QT060.01	
	Triodia lanigera	30%		<0.5m	QT100.03	

Quantum Flora 1 Site QTR1

Described EC **Date** 10/3/2007 **Type** R
Season **Uniformity**

Locatio**MGA**

mE

mN

Habitat Slight drainage line.**Soil** Orangey light brown sand/loam with clay.**Rock****Vegetatio****Veg****Fire****Note** Bare Ground: 25%
White pole in site.**SPECIES**

Quad	Name	Cover	C	Heigh	Specime	Notes
	Acacia colei var. colei				QT044.06	
	Cassytha capillaris				QT025.04	
	Chrysopogon fallax				QT027.09	
	Crotalaria ramosissima				QTR1.02B	
	Eriachne aristidea				QTR1.03B	
	Evolvulus alsinoides var. decumbens				QTR1.01B	
	Hakea lorea subsp. lorea				QT027.02	
	Halosarcia indica subsp. leiostachya				QTR1.04	
	Mukia maderaspatana				QT002.06	
	Pluchea tetranthera				QT025.16	
	Pterocaulon sphacelatum				QTR1.02	
	Rhagodia eremaea				QTR1.01	
	Scaevola amblyanthera var. centralis				QTOP.02	
	Senna notabilis				QT024.14	
	Solanum phlomoides				QTR1.03	
	Triodia epactia				QT018.09	

Quantum Flora 1 Site QTR3

Described EC **Date** 10/9/2007 **Type** R
Season **Uniformity**

Locatio

MGA mE mN

Habitat Quartz outcrop.

Soil Red sandy loam.

Rock Quartz.

Vegetatio Corymbia flavescens over Acacia colei var. colei and Acacia inaequilatera over Triodia sp. and Eriachne mucronata.

Veg Excellent.

Fire Old.

Note**SPECIES**

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia colei var. colei	20%	2m	QT044.06	
	Acacia inaequilatera	1%	1m	QT091.01	
	Bonamia rosea	+	0.2m	QT110.03	
	Corymbia flavescens	2%	4m	QTR3.01	
	Dolichandrone heterophylla	+	1m	QTR3.06	
	Eriachne mucronata (typical form)	4%	0.3m	QTR3.04	
	Tephrosia leptoclada	+	0.2m	QTR3.02	
	Triodia sp.	30%	0.3m	QTR3.05	
	Triumfetta chaetocarpa	+	0.3m	QTR3.07	
	Waltheria indica	+	0.3m	QTR3.03	

Appendix F2 - Winter Season Survey

Quantum Flora 2 Site QR001

Described TE **Date** 6/05/2008 **Type** Q **50x50m**
Season **Uniformity**

Location

MGA mE mN
Habitat Beach/ Primary dune.
Soil Orange beach sand; small shell fragments.
Rock
Vegetation Acacia stellaticeps, Acacia bivenosa and Acacia ampliceps low open shrubland over Spinifex longifolius and *Cenchrus ciliaris open tussock grassland over Gomphrena canescens scattered herbs.
Veg Good to Poor.
Fire Old.
Note Bareground: 70%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Tidal activity; road construction; fence.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia ampliceps	1%	<1m	QR001.11	
	Acacia bivenosa	1%	1-2m	QR010.03	
	Acacia stellaticeps	15%	0.3m	QR009.02	30% dead
	Adriana urticoides var. urticoides	+	2m	QR001.02	
	Aerva javanica	+	1m	QR010.02	
	Amaranthus mitchellii	+	0.2m	QR001.06	
	Cassytha capillaris	+	CL	QR001.07	
	Cenchrus ciliaris	2%	0.5m	QR010.01	
	Cleome viscosa	+	0.3m	NC	
	Euphorbia aff. coghlanii (rugose seeds)	1%	<0.1m	QR001.04	
	Euphorbia tannensis subsp. eremophila (Burrup form)	+	0.2m	QR001.08	
	Gomphrena canescens subsp. canescens	1%	0.2m	QR001.01	
	Ipomoea costata	5%	CL	QR001.03	
	Merremia dissecta	+	CL	QR001.12	
	Mukia maderaspatana	+	CL	QR001.09	
	Ptilotus exaltatus var. exaltatus	+	0.2m	QR009.07	
	Salsola tragus subsp. tragus	+	0.3m	QR001.10	
	Scaevola amblyanthera var. centralis	+	0.1m	QR004.03	
	Sida aff. fibulifera (HD148-13)			QR001.13	
	Spinifex longifolius	10%	0.5-1m	QR001.05	
	Tribulus occidentalis	+	CL	QR009.09	

Quantum Flora 2 Site QR002

Described CS **Date** 6/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA **mE** **mN**

Habitat Sand dune.

Soil Orange sand.

Rock Limestone.

Vegetation Santalum lanceolatum low open shrubland over Scaevola spinescens (broad form) low scattered shrubs over Triodia epactia scattered hummock grasses over *Cenchrus ciliaris and Eriachne obtusa tussock grassland over *Aerva javanica scattered herbs.

Veg Poor.

Fire Old.

Note Aspect: North.
 Bareground: 10%
 Litter cover: 1% Twigs, + Lvs.
 Disturbance type: Weeds.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps			0.3m	QR009.02	
	Aerva javanica	2%		<1m	QR010.02	
	Cenchrus ciliaris	60%		0.5m	QR010.01	
	Corchorus aff. incanus	1%		0.3m	QR010.11	
	Crotalaria cunninghamii	+		1m	QR010.10	
	Eragrostis falcata	+		<1m	QR011.01	
	Eriachne obtusa	1%		0.25m	QR010.06	
	Gomphrena leptoclada subsp. leptoclada	+		0.3m	QR009.06	
	Mukia maderaspatana	+		CL	QR001.09	
	Rhagodia eremaea	+		0.1m	QR010.07	
	Rhynchosia minima var. australis			CR	QR010.15	
	Santalum lanceolatum	1%		1m	QR007.01	
	Santalum lanceolatum	2-3%		1.5m	QR002.01	
	Scaevola amblyanthera var. centralis	+		0.15m	QR004.03	
	Scaevola spinescens (broad form)	1%		0.5m	QR002.02	
	Tephrosia rosea var. venulosa	+		0.2m	QR005.03	
	Tephrosia rosea var. venulosa	+		0.5m	QR005.02	
	Trianthema turgidifolia	+		<0.1m	QR010.09	op
	Trichodesma zeylanicum var. grandiflorum	+		1m	QR005.01	op
	Triodia epactia	1%		<0.4m	QR007.03	

Quantum Flora 2 Site QR003

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Dune Plain.

Soil Orange brown sand.

Rock

Vegetation *Crotalaria cunninghamii*, *Trichodesma zeylanicum* var. *grandiflorum* and *Myoporum montanum* shrubland over *Rhagodia eremaea* low open shrubland over **Cenchrus ciliaris* closed tussock grassland.

Veg Poor.

Fire Old.

Note Aspect: South - very slight.
 Bareground: 15%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Weeds; debris.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	<i>Aerva javanica</i>	3%		1-1.5m	QR010.02	
	<i>Cenchrus ciliaris</i>	75%		0.5m	QR010.01	
	<i>Cleome viscosa</i>	+		0.3m	NC	op
	<i>Crotalaria cunninghamii</i>	5%		0.5-1.5m	QR010.10	
	<i>Dactyloctenium radulans</i>	+		<0.1m	QR112.02	op
	<i>Eragrostis</i> aff. <i>eripoda</i> (WAS site 963)	+		0.5m	QR010.04	
	<i>Indigofera trita</i>	+		0.1m	QR003.01	op
	<i>Myoporum montanum</i>	1%		2-2.5m	QR003.02	
	<i>Rhagodia eremaea</i>	5%		0.6m	QR010.07	
	<i>Rhynchosia minima</i> var. <i>australis</i>	+		CL	QR010.15	
	<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)	+		0.2m	QR003.03	
	<i>Tephrosia rosea</i> var. <i>venulosa</i>	1%		0.4m	QR005.02	
	<i>Tephrosia rosea</i> var. <i>venulosa</i>	+		0.2m	QR005.03	
	<i>Tribulus occidentalis</i>	+		<0.1, CR	QR009.09	op
	<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>	4%		1-2m	QR005.01	
	<i>Tricoryne corynothecoides</i>	+		0.3m	QR010.08	
	<i>Whiteochloa airoides</i>	2%		0.3m	QR021.15	

Quantum Flora 2 Site QR004

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Dense slope.

Soil Orange sand with scattered shells.

Rock Limestone.

Vegetation Trichodesma zeylanicum var. grandiflorum and Acacia stellaticeps low scattered shrubs over Triodia epactia and Triodia secunda very open hummock grassland over *Cenchrus ciliaris tussock grassland over *Aerva javanica scattered herbs.

Veg Poor.

Fire Old.

Note Aspect: North.
 Bareground: 20%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Weeds.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	5%		0.5m	QR009.02	
	Aerva javanica	1%		1m	QR010.02	
	Boerhavia coccinea	+		CL	QR009.01	
	Calandrinia quadrivalvis	+		<0.1m	QR004.02	op
	Cenchrus ciliaris	65%		0.5m	QR010.01	
	Corchorus aff. incanus	+		<0.5m	QR010.11	
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.5m	QR010.04	
	Eriachne obtusa	+		0.5m	QR010.06	
	Gomphrena leptoclada subsp. leptoclada	+		0.1m	QR009.06	
	Portulaca pilosa	+		<0.1m	QR009.15	
	Ptilotus exaltatus var. exaltatus	+		0.5m	QR009.07	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Scaevola amblyanthera var. centralis	+		<0.1m	QR004.03	
	Solanum diversiflorum	+		0.1m	QR004.06	op
	Threlkeldia diffusa	+		0.2m	QR004.04	
	Trianthema turgidifolia	+		0.3m	QR010.09	
	Trichodesma zeylanicum var. grandiflorum	1%		1m	QR005.01	
	Tricoryne corynothecoides	+		0.2m	QR010.08	
	Triodia epactia	3%		0.5m	QR004.01	
	Triodia secunda	4%		0.1m	QR009.05	

Quantum Flora 2 Site QR005

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Low undulation between dune slope.

Soil Orange sand with scattered shells.

Rock

Vegetation Acacia bivenosa, Crotalaria cunninghamii, Trichodesma zeylanicum var. grandiflorum and Rhagodia eremaea low open shrubland over *Cenchrus ciliaris closed tussock grassland.

Veg Poor to Good.

Fire Old.

Note Aspect: North.
 Bareground: 15%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Weeds.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia bivenosa	+		2m	QR010.03	
	Aerva javanica	1%		1m	QR010.02	
	Aristida holathera var. latifolia	+		0.5m	QR010.19	
	Cenchrus ciliaris	80%		0.5m	QR010.01	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Crotalaria cunninghamii	2%		1m	QR010.10	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.5m	QR010.04	
	Eriachne obtusa	+		0.5m	QR010.06	
	Rhagodia eremaea	1%		1m	QR005.04	
	Rhagodia eremaea	+			QR005.05	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Tephrosia rosea var. venulosa	1%		0.2m	QR005.03	
	Tephrosia rosea var. venulosa	1%		0.4m	QR005.02	
	Trichodesma zeylanicum var. grandiflorum	2%		1m	QR005.01	
	Tricoryne corynothecoides	+		0.2m	QR010.08	
	Whiteochloa airoides	+		0.3m	QR021.15	

Quantum Flora 2 Site QR006

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Intertidal mud flats/ plain, samphire.

Soil Brown clay mud; some exposed rock; wet in areas with standing water.

Rock Limestone.

Vegetation Avicennia marina open shrubland over Hemichroa diandra, Halosarcia halocnemoides subsp. tenuis, Halosarcia indica subsp. leiostachya and Muellerolimon salicorniaceum low open heath over Eragrostis falcata open tussock grassland.

Veg Very Good.

Fire Very Old.

Note Aspect: South - very slight.

Bareground: 40%

Litter cover: + Logs, + Twigs, + Lvs.

Red crabs, mud skippers and hermit crabs are observed here.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Avicennia marina	1%		2m	QR008.05	
	Avicennia marina	7%		1-2m	QR008.05	
	Eragrostis falcata	15%		0.1m	QR006.02	
	Frankenia pauciflora var. pauciflora	+		<0.1m	QR006.06	op
	Halosarcia halocnemoides subsp. tenuis	15%		0.1m	QR006.03	
	Halosarcia indica subsp. leiostachya	5%		0.1m	QR006.04	
	Hemichroa diandra	15%		0.1m	QR006.01	
	Muellerolimon salicorniaceum	10%		0.1m	QR006.05	
	Triodia secunda	+		<0.1m	QR006.07	op

Quantum Flora 2 Site QR007

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Low sand dune slope.

Soil Orange sand with scattered white shells in parts.

Rock

Vegetation Atalaya hemiglauca, Santalum lanceolatum and Acacia bivenosa shrubland over *Cenchrus ciliaris and Eragrostis aff. eriopoda (WAS site 963) tussock grassland.

Veg Poor.

Fire Old.

Note Aspect: South.
 Bareground: 15%
 Litter cover: + Logs, + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia bivenosa	3%		1-3m	QR010.03	
	Aerva javanica	+		0.5m	QR010.02	
	Atalaya hemiglauca	10%		1-2.5m	QR007.02	
	Cenchrus ciliaris	70%		0.5m	QR010.01	
	Enchylaena tomentosa var. tomentosa	+		0.5m	QR007.04	
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.5m	QR010.04	
	Rhagodia eremaea	+		0.6m	QR010.07	
	Santalum lanceolatum	1%		1-2.5m	QR007.01	
	Tephrosia rosea var. venulosa	+		0.3m	QR010.12	
	Tricoryne corynothecoides	+		0.2m	QR010.08	
	Triodia epactia	+		0.6m	QR007.03	
	Triodia secunda	+		0.1m	QR009.05	
	Whiteochloa airoides	+		0.3m	QR007.05	

Quantum Flora 2 Site QR008

Described CS **Date** 6/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA 50 **661356 mE** **7754203 mN**

Habitat Mangroves.

Soil Light brown mud clay.

Rock

Vegetation Avicennia marina and Ceriops tagal closed shrub over Halosarcia halocnemoides subsp. tenuis and Halosarcia indica subsp. leiostachya low scattered shrubs.

Veg Excellent.

Fire Old.

Note Bareground: 80%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Avicennia marina	2%		1-3m	QR008.05	
	Ceriops tagal	90%		1-4m	QR008.04	
	Halosarcia halocnemoides subsp. tenuis	1%		0.2m	QR008.01	
	Halosarcia indica subsp. leiostachya	1%		0.35m	QR008.02	
	Sesuvium portulacastrum	+		0.4m	QR008.06	
	Sporobolus virginicus	1%		0.25m	QR008.03	

Quantum Flora 2 Site QR009

Described CS **Date** 6/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA **mE** **mN**

Habitat Sand dune over limestone.

Soil Orange sand.

Rock Limestone.

Vegetation *Crotalaria cunninghamii* over *Triodia secunda* and *Triodia schinzii* very open hummock grassland over **Cenchrus ciliaris*, *Eriachne obtusa* and *Eragrostis* aff. *eripoda* (WAS site 963) tussock grassland over **Aerva javanica* very open herbland.

Veg Poor.

Fire Moderate to Old.

Note Aspect: South-east.
Bareground: 5%
Litter cover: 1% Twigs, + Lvs.
Disturbance type: Weeds, litter.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	<i>Acacia stellaticeps</i>	+		<0.5m	QR009.02	
	<i>Aerva javanica</i>	5%		1m	QR010.02	
	<i>Boerhavia coccinea</i>	+		CR	QR009.01	
	<i>Bonamia linearis</i>	+		CR	QR009.03	
	<i>Bonamia linearis</i>	+		<0.5m	QR009.03	
	<i>Cenchrus ciliaris</i>	70%		0.5m	QR010.01	
	<i>Corchorus</i> aff. <i>incanus</i>	1-2%		0.2m	QR010.11	
	<i>Crotalaria cunninghamii</i>	1%		0.6m	QR010.10	
	<i>Eragrostis</i> aff. <i>eripoda</i> (WAS site 963)	+		0.4m	QR009.13	
	<i>Eragrostis</i> aff. <i>eripoda</i> (WAS site 963)	1-2%		0.5m	QR009.13	
	<i>Eriachne obtusa</i>	1-2%		0.4m	QR010.06	
	<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)	+		<0.3m	QR010.05	
	<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>	+		0.2m	QR009.06	
	<i>Goodenia microptera</i>	+		0.1m	QR010.18	
	<i>Indigofera colutea</i>	+		<0.35m	QR009.12	
	<i>Phyllanthus maderaspatensis</i>	+		0.2m	QR009.10	
	<i>Portulaca pilosa</i>	+		0.3m	QR009.15	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	+		<1m	QR009.07	
	<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>	+		<0.5m	QR009.04	
	<i>Rhagodia eremaea</i>	+		0.5m	QR010.07	
	<i>Rhynchosia minima</i> var. <i>australis</i>	1%		CR	QR010.15	
	<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+		0.1m	QR025.03	
	<i>Tephrosia rosea</i> var. <i>venulosa</i>	+		0.3m	QR010.12	
	<i>Threlkeldia diffusa</i>	+		<0.4m	QR009.11	
	<i>Trianthema turgidifolia</i>	1%		0.25m	QR010.09	
	<i>Tribulus occidentalis</i>	+		CR	QR009.09	
	<i>Tricoryne corynothecoides</i>	+		0.3m	QR010.08	
	<i>Triodia schinzii</i>	2%		1m	QR009.14	
	<i>Triodia secunda</i>	3-4%		<0.4m	QR009.05	
	<i>Yakirra australiensis</i> var. <i>australiensis</i>	+		0.15m	QR009.08	

Quantum Flora 2 Site QR010

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA 50 660982 **mE** 7745227 **mN**

Habitat Sand dune (small hill).

Soil Orange sand.

Rock Limestone.

Vegetation Acacia bivenosa and Rhagodia eremaea very open shrubland over Crotalaria cunninghamii, Tephrosia rosea var. venulosa and Corchorus aff. incanus low scattered shrubs over *Cenchrus ciliaris tussock grassland over *Aerva javanica scattered herbs.

Veg Poor.

Fire Old.

Note Aspect: South.
 Bareground: 20%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Buffel and Kapok weeds.

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia bivenosa	4%	1.4m	QR010.03
Aerva javanica	1%	1m	QR010.02
Aristida holathera var. latifolia	+	0.2m	QR010.19 op
Bonamia linearis	+	CL	QR010.16
Cenchrus ciliaris	70%	0.5m	QR010.01
Corchorus aff. incanus	+	0.2m	QR010.11
Crotalaria cunninghamii	1%	0.2-0.6m	QR010.10
Eragrostis aff. eriopoda (WAS site 963)	1%	0.5m	QR010.04
Eriachne obtusa	1%	0.5m	QR010.06
Evolvulus alsinoides var. villocalyx (grey form)	+	<0.1m	QR010.05
Goodenia microptera	+	0.1m	QR010.18
Rhagodia eremaea	2%	1m	QR010.07
Rhynchosia minima var. australis	+	CL	QR010.15
Sida rohlenae	+	0.1m, CL	QR010.13
Stylosanthes hamata	+	0.2m	QR010.17
Tephrosia rosea var. venulosa	+	0.5m	QR010.12
Trianthema turgidifolia	+	0.2m	QR010.09
Tricoryne corynothecoides	+	0.1m	QR010.08
Whiteochloa airoides	+	0.3m	QR010.14

Quantum Flora 2 Site QR011

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Tidal mud flat/ mangrove swamp
Soil Brown/grey mud/clay with standing water and exposed limestone.
Rock Limestone.
Vegetation Avicennia marina open scrub over Halosarcia halocnemoides subsp. tenuis low scattered shrubs.
Veg Very Good.
Fire Very Old.
Note Bareground: 80%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Few weeds.
 Most of the plot is covered in water. Very little in plot.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Avicennia marina	40%		1-3m	QR008.05
	Halosarcia halocnemoides subsp. tenuis	5%		0.1m	QR006.03
	Suaeda arbusculoides	+		0.1m	QR011.01

Quantum Flora 2 Site QR012

Described TE **Date** 6/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA mE **mN**

Habitat Swamp; mangrove.

Soil Brown/grey clay with standing water.

Rock

Vegetation Avicennia marina closed scrub.

Veg Very Good.

Fire Very Old.

Note Bareground: 99%
Litter cover: + Logs, + Twigs, + Lvs.
Next to road. Unable to access deep plot - too dense.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Avicennia marina	60%		2-4m	QR008.05
	Avicennia marina	25%		2-4m	QR008.05
	Suaeda arbusculoides	+		<0.1m	QR014.01

Quantum Flora 2 Site QR013

Described CS **Date** 6/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA mE mN

Habitat Mud flats, samphire flats.

Soil Light brown mud with standing water and some exposed limestone.

Rock Limestone.

Vegetation Avicennia marina scattered shrubs over Halosarcia halocnemoides subsp. nov., Halosarcia halocnemoides subsp. tenuis, Hemichroa diandra, Muellerolimon salicorniaceum and Halosarcia auriculata low open shrubland.

Veg Very Good.

Fire Old.

Note Bareground: 90%
Litter cover: + Twigs, + Lvs..
Disturbance type: Car tracks.

SPECIES

Quad	Name	Cover	Height	Specimen Notes
	Avicennia marina	1%	<2m	QR008.05
	Halosarcia auriculata	1%	0.2m	QR013.01
	Halosarcia halocnemoides subsp. nov.	1%	0.3m	QR015.03
	Halosarcia halocnemoides subsp. tenuis	3%	0.2m	QR006.03
	Hemichroa diandra	3%	0.15m	QR006.01
	Muellerolimon salicorniaceum	1%	0.2m	QR006.05

Quantum Flora 2 Site QR014

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mud flats, mangroves.

Soil Brown/grey mud/clay with standing water.

Rock

Vegetation Avicennia marina and Ceriops tagal open heath over Suaeda arbusculoides low scattered shrubs.

Veg Excellent.

Fire Very Old.

Note Bareground: 95%
 Litter cover: + Logs, + Twigs, + Lvs.
 Regularly inundated with water - tidal flat.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Avicennia marina	65%		1-2m	QR008.05
	Ceriops tagal	2%		1-2m	QR008.04
	Suaeda arbusculoides	3%		<0.1m	QR014.01

Quantum Flora 2 Site QR015

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mud flat, mangroves.

Soil Red brown clay mud with standing water - tidal.

Rock

Vegetation Halosarcia halcnemoides subsp. tenuis, Muellerolimon salicorniaceum and Halosarcia halcnemoides subsp. nov. low shrubland.

Veg Very good.

Fire Very Old.

Note Bareground: 75%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Avicennia marina	+		0.5-1.5m	QR008.05
	Ceriops tagal	+		<0.5m	QR008.04
	Eragrostis falcata	+		<0.1m	QR015.04
	Halosarcia halcnemoides subsp. nov.	1%		0.2m	QR015.03
	Halosarcia halcnemoides subsp. tenuis	20%		<0.1m	QR006.03
	Muellerolimon salicorniaceum	5%		<0.1m	QR015.01
	Suaeda arbusculoides	+		0.2m	QR015.02

Quantum Flora 2 Site QR016

Described TE **Date** 6/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location Low rise in Quantum in flats.

MGA **mE** **mN**

Habitat Low hill in mangrove, mud flat.

Soil Skeletal orange brown, scattered shells and exposed limestone (laterite).

Rock Limestone.

Vegetation Acacia bivenosa, Hakea lorea subsp. lorea and Enchylaena tomentosa var. tomentosa open shrubland over Rhagodia eremaea and Scaevola spinescens scattered shrubs over Triodia secunda very open hummock grassland over Eriachne obtusa scattered tussock grasses over Indigofera trita scattered herbs.

Veg Very Good.

Fire Old.

Note Aspect: West.
 Bareground: 30%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Track nearby.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon lepidum	+		0.3m	QR016.08	
	Acacia ampliceps	+		0.6m	QR016.10	
	Acacia ancistrocarpa	1%		2m	QR016.11	
	Acacia bivenosa	5%		2-3m	QR010.03	
	Acacia colei var. colei	+		2m	QR016.12	
	Aerva javanica	+		0.6m	QR010.02	
	Boerhavia coccinea	1%		CL	QR016.09	
	Cassytha capillaris	+		CL	QR001.07	
	Cenchrus ciliaris	+		<0.5m	QR010.01	
	Cleome viscosa	+		0.2m	NC	
	Corchorus aff. incanus	2%		0.2m	QR010.11	
	Enchylaena tomentosa var. tomentosa	+		0.3m	QR016.15	
	Enneapogon polyphyllus	+		<0.1m	QR016.02	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR010.04	
	Eriachne obtusa	1%		0.3m	QR010.06	
	Gomphrena canescens subsp. canescens	1%		0.1m	QR001.01	
	Goodenia microptera	+		<0.1m	QR010.18	
	Hakea lorea subsp. lorea	1%		2m	QR016.07	
	Indigofera trita	2%		0.1m	QR016.03	
	Melhania sp. Cape Preston (M77-10)				QR016.05B	
	Myoporum montanum	+		<0.1m	QR016.05	
	Phyllanthus maderaspatensis	+		0.1m	QR016.06	
	Portulaca pilosa	+		<0.1m	QR009.15	
	Ptilotus exaltatus var. exaltatus	+		0.1m	QR009.07	
	Ptilotus exaltatus var. exaltatus	+		0.1m	QR016.01	
	Rhagodia eremaea	1%		0.6m	QR010.07	
	Scaevola spinescens	1%		1m	QR016.16	
	Senna glutinosa subsp. glutinosa	+		1m	NC	
	Sida aff. fibulifera (B64-13B)	+		0.2m	QR016.13	
	Solanum diversiflorum	+		0.1m	QR004.06	
	Trianthema turgidifolia	+		<0.1m	QR010.09	
	Triodia epactia	+		2m	QR016.04	
	Triodia secunda	5%		0.1m	QR009.05	

Quantum Flora 2 Site QR017

Described CS **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mangroves on bank of inlet.

Soil Orange tan sand.

Rock Limestone.

Vegetation Avicennia marina open heath over Suaeda arbusculoides and Halosarcia halocnemoides subsp. tenuis low scattered shrubs over Sporobolus virginicus tussock grassland.

Veg Very Good to Good.

Fire Old.

Note Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Nearby tracks, rubbish - lunch containers, cups.
 Standing water, soil is very wet and slippery. Algae-cryptogram on soil surface (1%).

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Avicennia marina	60%		<2m	QR008.05
	Avicennia marina	3%		<2m	QR008.05
	Halosarcia halocnemoides subsp. tenuis	1%		0.2m	QR006.03
	Muellerolimon salicorniaceum	+		0.3m	QR006.05
	Sporobolus virginicus	60%		0.3m	QR008.03
	Suaeda arbusculoides	1%		0.4m	QR014.01

Quantum Flora 2 Site QR018

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Low sandy rise in mud flats.

Soil Light brown sandy loam.

Rock Limestone.

Vegetation Neobassia astrocarpa, Frankenia pauciflora var. pauciflora and Halosarcia halocnemoides subsp. tenuis low open shrubland over Triodia secunda and Triodia epactia closed hummock grassland over Sporobolus virginicus and *Cenchrus ciliaris open tussock grassland.

Veg Very Good.

Fire Very Old.

Note Bareground: 15%
 Litter cover: + Logs, + Twigs, 5% Lvs.
 Disturbance type: Rubbish, weeds and track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Cenchrus ciliaris	2%		0.5m	QR010.01	
	Eragrostis falcata	+		0.1m	QR018.09	
	Frankenia pauciflora	1%		0.2m	QR018.07	
	Frankenia pauciflora var. pauciflora	1%		0.2m	QR018.03	
	Frankenia pauciflora var. pauciflora	1%		0.2m	QR018.01	
	Halosarcia halocnemoides subsp. tenuis	1%		<0.1m	QR006.03	
	Halosarcia indica subsp. leiostachya	+		0.3m	QR018.08	
	Neobassia astrocarpa	1%		0.2m	QR018.02	
	Sporobolus virginicus	15%		0.5m	QR018.05	
	Trianthema turgidifolia	+		0.2m	QR018.10	
	Triodia epactia	+		0.3m	QR018.11	
	Triodia epactia	10%		0.5m	QR018.06	
	Triodia secunda	60%		0.3m	QR018.04	

Quantum Flora 2 Site QR019

Described CS **Date** 7/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA mE mN

Habitat Samphire flats.

Soil Red clay mud.

Rock Limestone.

Vegetation Avicennia marina and Halosarcia halocnemoides subsp. tenuis low open shrubland.

Veg Very Good to Good.

Fire Very Old.

Note Bareground: 80%
Disturbance type: Nearby tracks and through site, rubbish (bottles).
Surface cover with Algae cryptogram, standing pool of water.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Avicennia marina	1%	0.4m	QR008.05
	Halosarcia halocnemoides subsp. tenuis	10%	0.25m	QR006.03
	Suaeda arbusculoides	+	0.3m	QR015.02

Quantum Flora 2 Site QR020

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mangroves, mud flats.

Soil Brown mud/clay with exposed limestone.

Rock Limestone.

Vegetation Avicennia marina open scrub over Muellerolimon salicorniaceum and Halosarcia halocnemoides subsp. tenuis low open shrubland.

Veg Very Good.

Fire Very Old.

Note Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Rubbish.
 Tidal zone.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Avicennia marina	2%		1-5m	QR008.05
	Avicennia marina	60%		1-2m	QR008.05
	Halosarcia halocnemoides subsp. tenuis	1%		<0.2m	QR006.03
	Muellerolimon salicorniaceum	2%		<0.1m	QR006.05
	Suaeda arbusculoides	+		<0.1m	QR014.01

Quantum Flora 2 Site QR021

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain - undulating rise.

Soil Orange brown loamy sand.

Rock Quartz.

Vegetation Acacia stellaticeps low open shrubland over Triodia epactia and Triodia secunda hummock grassland over Eriachne obtusa, Chrysopogon fallax and *Cenchrus ciliaris very open tussock grassland over Commelina ensifolia and Whiteochloa airoides open herbland.

Veg Very Good.

Fire Old to Very Old.

Note Bareground: 10%
 Litter cover: + Logs, + Twigs, 3% Lvs.
 Disturbance type: Track is 40m away.
 Kapok week is out of plot on the roadside.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	+		1m	QR001.11	op
	Acacia stellaticeps	2%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	+		2m	QR021.02	
	Aerva javanica	+		0.5m	QR010.02	op
	Aristida holathera var. latifolia	+		0.5m	QR072.02	
	Boerhavia coccinea	+		<0.1m	QR009.01	
	Bonamia linearis	+		CL	QR021.06	
	Bonamia media var. media	+		0.1m	QR021.20	
	Bonamia media var. media	+		0.1m, CR	QR021.11	
	Cassythia capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	1%		0.5m	QR010.01	
	Chrysopogon fallax	2%		0.5-1m	QR021.01	
	Commelina ensifolia	3%		0.1m	QR021.03	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Cyperus blakeanus	+		0.2m	QR021.07	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR021.16	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.5m	QR010.04	
	Eriachne obtusa	3%		0.5m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Indigofera linnaei	+		0.1m	QR021.21	
	Mollugo molluginea	+		0.1m	QR021.10	
	Murdannia graminea	+		0.3m	QR021.22	
	Pluchea rubelliflora	+		0.1m	QR021.25	
	Pterocaulon sphaeranthoides	+		0.1m	QR021.24	op
	Ptilotus fusiformis var. fusiformis	+		0.1m	QR021.19	
	Ptilotus polystachyus var. arthrotrichus	+		0.2m	QR021.14	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QR021.13	
	Sida aff. fibulifera (HD148-13)	+		0.1m, CR	QR021.12	
	Sida rohlenae subsp. rohlenae	+		0.7m	QR021.09	
	Solanum cleistogamum	+		0.2m	QR021.17	
	Solanum diversiflorum	+		0.1m	QR004.06	
	Streptoglossa decurrens	+		0.3m	QR021.23	op
	Trianthema turgidifolia	+		0.3m	QR018.10	

Tricoryne corynothecoides	+	0.4m	QR010.08
Triodia epactia	30%	0.6m	QR021.04
Triodia epactia	3%	0.5m	QR021.18
Triodia secunda	25%	0.3m	QR018.04
Whiteochloa airoides	15%	0.5m	QR021.15

Quantum Flora 2 Site QR022

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mud flat.

Soil Orange brown sand with some clay and scattered shells.

Rock

Vegetation Halosarcia halocnemoides subsp. tenuis, Halosarcia indica subsp. leiostachya and Halosarcia halocnemoides subsp. catenulata low scattered shrubs.

Veg Very Good.

Fire Very Old.

Note Bareground: 95%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Some tracks.
 Algae - cryptogram.
 Emu tracks.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Halosarcia halocnemoides subsp. catenulata	1%	<0.1m	QR022.02
	Halosarcia halocnemoides subsp. tenuis	2%	<0.1m	QR006.03
	Halosarcia indica subsp. leiostachya	1%	<0.1m	QR022.01
	Suaeda arbusculoides	+	<0.1m	QR015.02

Quantum Flora 2 Site QR023

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Low rise - undulating between flats.

Soil Orange sand.

Rock Quartz, shells.

Vegetation Acacia ampliceps and Acacia stellaticeps scattered shrubs over Triodia epactia and Triodia secunda closed hummock grassland over Eriachne obtusa scattered tussock grasses over Commelina ensifolia scattered herbs.

Veg Very Good.

Fire Very Old.

Note Bareground: 20%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Rubbish.
 Algae - cryptogram.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ampliceps	1%		1.2m	QR001.11
	Acacia stellaticeps	2%		0.6m	QR009.02
	Aerva javanica	+		1m	QR010.02
	Cassytha capillaris	+		CL	QR021.05
	Cenchrus ciliaris	+		0.5m	QR010.01
	Commelina ensifolia	1%		0.5m	QR021.03
	Corchorus aff. incanus	+		0.4m	QR010.11
	Eriachne obtusa	1%		0.5m	QR010.06
	Euphorbia coghlanii	+		0.2m	QR023.01
	Frankenia pauciflora var. pauciflora	+		0.3m	QR023.04
	Hemichroa diandra	+		0.3m	QR023.03
	Indigofera linnaei	+		<0.1m	QR021.21
	Pluchea sp. B Kimberley Flora (K.F. Kenneally 9526A)	+		0.1m	QR023.02
	Pterocaulon sphaeranthoides	+		0.2m	QR021.24
	Rhynchosia minima var. australis	+		CL	QR010.15
	Solanum cleistogamum	+		0.1m	QR021.17
	Sporobolus virginicus	+		0.1m	QR008.03
	Stemodia grossa	+		0.2m	QR023.05
	Trianthera turgidifolia	+		0.3m	QR010.09
	Triodia epactia	65%		0.5m	QR021.04
	Triodia secunda	10%		0.2m	QR009.05

Quantum Flora 2 Site QR024

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex plain.

Soil Orange, brown sandy loam. Seasonally inundated.

Rock Quartz.

Vegetation Acacia ampliceps scattered shrubs over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia secunda closed hummock grassland over Chrysopogon fallax, Aristida holathera var. latifolia, Eriachne obtusa and Eragrostis falcata open tussock grassland.

Veg Very Good.

Fire Very Old.

Note Bare ground: 5%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Nearby track, weeds, railway.
 Some cryptogram - dried algae.
 Plot next to drainage line.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	1%		2m	QR024.08	
	Acacia ampliceps	+		0.2m	QR024.07	
	Acacia ampliceps	+		0.2m	QR001.11	
	Acacia stellaticeps	4%		0.5m	QR009.02	
	Aristida holathera var. latifolia	3%		0.5m	QR010.19	
	Bonamia linearis	+		CL	QR024.02	
	Cenchrus ciliaris	+		0.5m	QR010.01	
	Chrysopogon fallax	5%		0.5m	QR021.01	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Digitaria brownii	+		0.2m	QR024.03	
	Eragrostis falcata	1%		0.3m	QR024.06	
	Eriachne obtusa	10%		0.5m	QR010.06	
	Eulalia aurea	+		0.4m	QR024.01	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Indigofera trita	+		0.2m	QR024.05	
	Pterocaulon serrulatum	+		0.3m	QR024.04A	
	Ptilotus exaltatus var. exaltatus	+		0.3m	QR016.01	
	Senna glutinosa subsp. glutinosa	+		1.5m	NC	
	Senna notabilis	+		0.3m	QR024.09	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QR024.10	op
	Trianthema turgidifolia	+		0.2m	QR018.10	
	Triodia epactia	70%		0.5m	QR021.04	
	Triodia secunda	10%		0.2m	QR009.05	
	Whiteochloa airoides	+		0.5m	QR021.15	

Quantum Flora 2 Site QR025

Described CS **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand plains.

Soil Light orange brown sand.

Rock Quartz.

Vegetation Acacia stellaticeps and Hybanthus aurantiacus low open shrubland over Triodia secunda, Triodia epactia and Triodia schinzii closed hummock grassland over Eriachne obtusa, Chrysopogon fallax, Eulalia aurea, Aristida holathera var. latifolia and *Cenchrus ciliaris open tussock grassland over Pluchea tetranthera open herbland.

Veg Very Good.

Fire Old.

Note Bare ground: 8%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Weeds.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	+		<1m	QR001.11	
	Acacia ampliceps	+		1.5m	QR024.08	
	Acacia stellaticeps	4%		<0.4m	QR009.02	
	Aristida holathera var. latifolia	1%		0.35m	QR010.19	
	Bonamia linearis	+		CL	QR024.02	
	Cassytha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	1%		0.4m	QR010.01	
	Chrysopogon fallax	12%		0.5m	QR021.01	
	Corchorus aff. incanus	1%		0.5m	QR010.11	
	Cyperus blakeanus	+		0.5m	QR025.04	
	Eriachne obtusa	8%		0.4m	QR010.06	
	Eulalia aurea	1%		0.5m	QR024.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		0.2m	QR010.05	
	Hybanthus aurantiacus	1%		0.4m	QR021.08	
	Mollugo molluginea	+		0.15m	QR021.10	
	Neptunia monosperma	+		0.3m	QR025.01	
	Pluchea tetranthera	15%		0.2m	QR025.02	
	Pterocaulon serrulatum	+		0.3m	QR024.04A	
	Ptilotus fusiformis var. fusiformis	+		0.4m	QR021.19	
	Senna notabilis	+		0.3m	QR024.09	
	Sida rohlenae subsp. rohlenae	+		<0.6m	QR025.03	
	Solanum cleistogamum	+		0.1m	QR021.17	
	Tephrosia leptoclada	+		CR	QR025.06	
	Triodia epactia	20%			QR021.04	
	Triodia schinzii	1%		1m	QR025.05	
	Triodia secunda	60%		0.2m	QR009.05	

Quantum Flora 2 Site QR026

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex plain.

Soil Orange loamy sand with some clay.

Rock Quartz.

Vegetation Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia secunda, Triodia epactia and Triodia schinzii hummock grassland over Eriachne obtusa, Aristida holathera var. latifolia, Chrysopogon fallax and Digitaria brownii open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare ground: 10%

Litter cover: + Logs, + Twigs, 5% Lvs.

Disturbance type: Track, railway nearby. Algae - cryptogram - seasonal inundation.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	+		1.5m	QR001.11	op
	Acacia colei var. colei	+		0.8m	QR026.01A	
	Acacia stellaticeps	30%		0.6m	QR009.02	
	Acacia tumida var. pilbarensis	+		CL	QR021.02	
	Aristida holathera var. latifolia	5%		0.5m	QR010.19	
	Bonamia linearis	+		CL	QR024.02	
	Chrysopogon fallax	2%		0.5m	QR021.01	op
	Corchorus aff. incanus	+		0.4m	QR010.11	
	Digitaria brownii	2%		0.5m	QR026.05	
	Eriachne obtusa	5%		0.4m	QR010.06	
	Eulalia aurea	+		0.5m	QR024.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Hybanthus aurantiacus	+		0.2m	QR021.08	
	Mollugo molluginea	+		0.2m	QR021.10	
	Neptunia monosperma	+		CL	QR025.01	
	Pluchea ferdinandi-muelleri	+		0.2m	QR026.04	op
	Pluchea tetranthera	2%		0.6m	QR025.02	
	Pterocaulon sp. A Kimberley Flora (B.J. Carter 599)	+		0.1m	QR026.03	op
	Pterocaulon sphaeranthoides	+		0.1m	QR026.01C	
	Ptilotus polystachyus var. arthrotrichus	+		0.3m	QR021.14	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QR026.06	
	Sida rohlenae subsp. rohlenae	+		0.5m	QR025.03	
	Solanum cleistogamum	+		0.2m	QR021.17	
	Stemodia grossa	+		0.3m	QR026.02	op
	Triodia epactia	40%		0.6m	QR021.04	
	Triodia schinzii	3%		0.6m	QR025.05	
	Triodia secunda	5%		0.2m	QR009.05	

Quantum Flora 2 Site QR027

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Spinifex plain.

Soil Orange brown sandy loam.

Rock Quartz.

Vegetation Hakea lorea subsp. lorea scattered low trees over Acacia stellaticeps and Hybanthus aurantiacus low open shrubland over Triodia secunda, Triodia schinzii and Triodia epactia closed hummock grassland over Eriachne obtusa, Chrysopogon fallax and Aristida holathera var. latifolia very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 15%
Litter cover: + Logs, + Twigs, 5% Lvs.
Disturbance type: Emus

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	5%			QR009.02	
	Aristida holathera var. latifolia	2%		0.5m	QR010.19	
	Cassytha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	+		0.5m	QR010.01	
	Chrysopogon fallax	5%		0.5m	QR021.01	
	Corchorus aff. incanus	+		0.2m	QR010.11	
	Eriachne obtusa	5%		0.4m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Hakea lorea subsp. lorea	+		2m	QR016.07	
	Hybanthus aurantiacus	2%		0.4m	QR021.08	
	Ipomoea muelleri	+		CL	QR027.02	
	Muellerolimon salicorniaceum				QR027.03	
	Ptilotus polystachyus var. arthrotrichus	+		0.3m	QR021.14	
	Senna notabilis	+		0.5m	QR024.09	
	Sida aff. fibulifera (HD148-13)	+		0.1m	QR027.01	
	Sporobolus virginicus	+			QR027.04	
	Triodia epactia	10%			QR021.04	
	Triodia schinzii	12%		0.6m	QR025.05	
	Triodia secunda	50%			QR009.05	

Quantum Flora 2 Site QR028

Described TE **Date** 7/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand plain - minor drainage.

Soil Orange sand, with clay cracks in parts.

Rock

Vegetation Eucalyptus victrix low woodland over Acacia colei var. colei shrubland over Acacia stellaticeps and Plucheia tetranthera low open shrubland over Triodia epactia and Triodia schinzii hummock grassland over Chrysopogon fallax and Eriachne obtusa very open tussock grassland.

Veg Very Good.

Fire Old.

Note Aspect: North east
 Bare Ground: 40%
 Litter cover: + Logs, 1% Twigs, 3% Lvs.
 Algae - cryptogram.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	20%	2m	QR028.09
	Acacia sericophylla	+	3m	QR028.05
	Acacia sericophylla	+	3m	QR028.03
	Acacia stellaticeps	10%	0.6m	QR009.02
	Aristida holathera var. latifolia	+	0.5m	QR010.19
	Carissa lanceolata	+	1.2m	QR028.06
	Cassytha capillaris	+	CL	QR021.05
	Chrysopogon fallax	5%	0.5m	QR021.01
	Corchorus aff. incanus	+	0.2m	QR010.11
	Corymbia flavescens	+	2m	QR069.01
	Cyperus blakeanus			QR028.03B
	Eriachne obtusa	5%	0.4m	QR010.06
	Eucalyptus victrix	15%	1-3m	QR077.01
	Evolvulus alsinoides var. villocalyx (grey form)	+	0.1m, CL	QR028.07
	Hybanthus aurantiacus	+	0.4m	QR021.08
	Plucheia tetranthera	3%	0.5m	QR028.02
	Ptilotus astrolasius var. astrolasius	+	0.4m	QR028.08
	Ptilotus polystachyus var. arthrotrichus	+	0.2m	QR021.14
	Sida rohlenae subsp. rohlenae	+	<0.1m	QR021.09
	Solanum cleistogamum	+	0.1m	QR021.17
	Sporobolus australasicus	+	<0.1m	QR028.01
	Triodia epactia	25%	0.5m	QR021.04
	Triodia schinzii	20%	0.6m	QR025.05

Quantum Flora 2 Site QR029

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**
Habitat Sand plain next to drainage channel (tidal).
Soil Brown, orange sandy loam.
Rock Some exposed limestone.
Vegetation Dolichandrone heterophylla scattered low trees over Acacia trachycarpa scattered shrubs over Acacia stellaticeps and Acacia colei var. colei low open shrubland over Triodia schinzii, Triodia epactia and Triodia secunda hummock grassland over Eriachne obtusa scattered tussock grasses.
Veg Very Good.
Fire Old.
Note Bare Ground: 20%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Flooding, nearby road.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	+		2m	QR001.11	
	Acacia colei var. colei	1%		<1m	QR026.01A	
	Acacia stellaticeps	6%		0.3m	QR009.02	
	Acacia trachycarpa	1%		1.5m	QR029.11	
	Aristida holathera var. latifolia	+		0.4m	QR072.02	
	Boerhavia coccinea	+		CL	QR029.01	
	Cassytha capillaris	+		CL	QR021.05	
	Corchorus aff. incanus	+		0.4m	QR010.11	
	Cyperus blakeanus	+		0.1m	QR044.02	
	Dolichandrone heterophylla	1%		2-3m	QR029.07	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.5m	QR010.04	
	Eragrostis falcata	+		0.6m	QR011.01	
	Eriachne obtusa	1%		0.3m	QR029.09	
	Eriachne obtusa	1%		0.2m	QR010.06	
	Eucalyptus victrix	+		0.8m	QR077.01	
	Euphorbia australis	+		<0.1m	QR029.15	
	Euphorbia coghlanii	+		0.1m	QR029.14	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Goodenia forrestii	+		0.1m	QR029.16	
	Goodenia forrestii	+		0.1m	QR029.17	
	Hakea lorea subsp. lorea	+		0.4m	QR016.07	
	Heliotropium chrysocarpum	+		0.3m	QR029.12	
	Hybanthus aurantiacus	1%		0.4m	QR021.08	
	Mollugo molluginea	+		<0.2m	QR021.10	
	Pimelea ammocharis	+		0.5m	QR029.04	
	Pluchea tetranthera	1%		0.3m	QR028.02	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Pluchea tetranthera	+		0.4m	QR025.02	
	Polymeria calycina	+		CL	QR029.06	
	Ptilotus astrolasius var. astrolasius	1%		0.5m	QR028.08	
	Ptilotus axillaris	+		<0.1m	QR029.13	
	Ptilotus polystachyus var. arthrotrichus	+		0.1m	QR021.14	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QR003.03	
	Sida pilbarensis (ferruginous form)	+		0.6m	QR029.10	
	Solanum diversiflorum	+		0.3m	QR004.06	

<i>Trianthema pilosa</i>	+	<0.1m	QR029.02
<i>Tricoryne corynothecoides</i>	1%	0.2m	QR010.08
<i>Triodia epactia</i>	30%	0.5m	QR021.04
<i>Triodia schinzii</i>	30%	0.5m	QR029.05
<i>Triodia secunda</i>	1%	<0.1m	QR009.05
<i>Urochloa holosericea</i> subsp. <i>velutina</i>	+	0.1m	QR029.03
<i>Waltheria indica</i>	+	0.3m	QR029.08

Quantum Flora 2 Site QR030

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Low hill between drainage line.

Soil Orange loamy sand.

Rock

Vegetation Eucalyptus victrix low open woodland over Acacia ampliceps high open shrubland over Acacia stellaticeps and Pluchea ferdinandi-muelleri low open shrubland over Triodia epactia hummock grassland over Eriachne obtusa, Aristida holathera var. latifolia and *Cenchrus ciliaris open tussock grassland over Whiteochloa airoides very open herbland.

Veg Very Good.

Fire Very Old.

Note Bare Ground: 5%
 Litter cover: 1% Logs, 1% Twigs, 8% Lvs.
 Disturbance type: Nearby Track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	10%		<4m	QR001.11	
	Acacia stellaticeps	2%		0.5m	QR009.02	
	Acacia trachycarpa	+		1.5m	QR030.03	
	Acacia trachycarpa	+		1-2m	QR029.11	
	Adriana urticoides var. urticoides	+		0.2m	QR030.15	
	Aristida holathera var. latifolia	3%		0.4m	QR030.10	
	Cajanus cinereus	+		<1.5m	QR030.17	
	Cassyltha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	20%		<0.5m	QR010.01	
	Corchorus aff. incanus	1%		0.4m	QR010.11	
	Crotalaria cunninghamii	+		<1.5m	QR030.16	
	Eragrostis aff. eriopoda (WAS site 963)	3%		0.4m	QR030.06	
	Eriachne obtusa	5%		0.3m	QR010.06	
	Eucalyptus victrix	5%		8m	QR077.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CR	QR010.05	
	Glycine canescens	+		CL	QR050.02	
	Goodenia forrestii	+		0.15m	QR030.09	
	Goodenia forrestii	+		0.4m	QR030.13	
	Goodenia forrestii	+		0.15m	QR030.11	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Melaleuca glomerata	1%		2-2m	QR030.18	
	Myoporum montanum	+		1m	QR030.04	
	Pluchea ferdinandi-muelleri	1%		0.6m	QR030.02	
	Pluchea tetranthera	+		0.4m	QR049.01	
	Portulaca pilosa	+		0.2m	QR030.12	
	Santalum lanceolatum	+		1m	QR007.01	
	Sida aff. fibulifera (HD148-13)	+		CR	QR030.05	
	Sida rohlenae subsp. rohlenae	+		0.45m	QR030.07	
	Solanum cleistogamum	+		0.3m	QR021.17	
	Stemodia grossa	+		0.25m	QR030.14	
	Triodia epactia	40%		0.6m	QR021.04	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.5m	QR030.01	
	Urochloa holosericea subsp. velutina	+		0.3m	QR030.08	
	Whiteochloa airoides	5%		0.5m	QR021.15	
	Zornia muelleriana subsp. congesta	+		0.3m	QR061.06	

Quantum Flora 2 Site QR031

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Flood Plain, next to tidal/ drainage channel.

Soil Salt crusted areas, with orange fine loam/sand.

Rock

Vegetation Eucalyptus victrix low open woodland over Acacia ampliceps high open shrubland over Acacia stellaticeps, Corchorus aff. incanus and Pluchea ferdinandi-muelleri low open shrubland over Triodia epactia and Triodia secunda closed hummock grassland over Eriachne obtusa, Aristida holathera var. latifolia, *Cenchrus ciliaris and Sporobolus virginicus open tussock grassland.

Veg Very Good.

Fire Old o Very Old.

Note Bare Ground: 5%

Litter cover: + Logs, 1% Twigs, 2% Lvs.

Disturbance type: Signs of kangaroos, construction and tracks.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	4%;		3m	QR001.11	
	Acacia stellaticeps	2%		0.5m	QR009.02	
	Aerva javanica	+		0.6m	QR010.02	
	Aristida holathera var. latifolia	2%		0.4m	QR072.02	
	Cassytha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	15%		0.5m	QR010.01	
	Corchorus aff. incanus	1%		0.6m	QR010.11	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Crotalaria medicaginea	+		0.2m	QR031.08	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR031.13	
	Eriachne obtusa	2%		0.3m	QR010.06	
	Eucalyptus victrix	3%		1-6m	QR077.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Frankenia pauciflora var. pauciflora	+		0.2m	QR031.04	
	Goodenia forrestii	+		0.1m	QR031.03	
	Indigofera linifolia	+		0.1m	QR031.11	
	Melaleuca lasianandra	+		2m	QR031.14	op
	Myoporum montanum	+		1m	QR031.06	
	Paspalidium rarum	+		0.3m	QR031.05	
	Pluchea ferdinandi-muelleri	1.5%		1m	QR030.02	
	Pluchea sp. B Kimberley Flora (K.F. Kenneally 9526A)	+		0.2m	QR031.01	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Salsola tragus subsp. tragus	1%		0.5m	QR031.10	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.3m	QR031.07	
	Sida aff. fibulifera (HD148-13)	+		<0.1m	QR031.12	
	Sida rohlenae subsp. rohlenae	+		0.3m	QR031.09	
	Solanum cleistogamum	+		0.3m	QR021.17	
	Solanum diversiflorum	+		0.2m	QR004.06	
	Sporobolus virginicus	1%		0.1m	QR008.03	
	Stemodia grossa	+		0.3m	QR031.02	
	Triodia epactia	60%		0.6m	QR021.04	
	Triodia secunda	20%;		0.3m	QR009.05	
	Whiteochloa airoides	+		0.8m	QR021.15	

Quantum Flora 2 Site QR032

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Red, orange sandy loam; few scattered red round pebbles.

Rock

Vegetation Eucalyptus victrix scattered low trees over Acacia stellaticeps and Hybanthus aurantiacus low open shrubland over Triodia schinzii, Triodia epactia and Triodia secunda closed hummock grassland over Eriachne obtusa and Aristida holathera var. latifolia open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 15%
Litter cover: + Logs, + Twigs, 3% Lvs.
Disturbance type: Cows and kangaroos.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia stellaticeps	5%	0.6m	QR009.02
	Acacia tumida var. pilbarensis	+	1m	QR021.02
	Aristida holathera var. latifolia	10%	0.4m	QR072.02
	Bonamia linearis	+	CL	QR032.02B
	Cassytha capillaris	+	CL	QR021.05
	Chrysopogon fallax	+	0.3m	QR032.05
	Corchorus aff. incanus	+	0.5m	QR010.11
	Eragrostis aff. eriopoda (WAS site 963)	+	0.4m	QR010.04
	Eriachne obtusa	5%	0.5m	QR010.06
	Eucalyptus victrix	1%	2m	QR077.01
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR050.05
	Goodenia microptera	+	0.1m	QR010.18
	Hybanthus aurantiacus	1%	0.5m	QR021.08
	Mollugo molluginea	+	0.3m	QR021.10
	Pluchea tetranthera	+	0.4m	QR049.01
	Pluchea tetranthera	+	0.5m	QR049.01
	Ptilotus fusiformis var. fusiformis	+	0.3m	QR032.03
	Ptilotus polystachyus var. arthrotrichus	+	0.5m	QR021.14
	Sida aff. fibulifera (HD12-39)	+	0.2m	NC
	Sida rohlenae subsp. rohlenae			QR032.02
	Solanum cleistogamum	+	0.1m	QR032.01
	Solanum diversiflorum	+	0.4m	QR004.06
	Triodia epactia	25%	0.3m	QR021.04
	Triodia schinzii	50%	0.6m	QR032.04
	Triodia secunda	2%	0.2m	QR009.05

Quantum Flora 2 Site QR033

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange sandy loam with some dry cracking sections.

Rock

Vegetation Acacia stellaticeps low shrubland over Triodia secunda, Triodia schinzii and Triodia epactia hummock grassland over Eulalia aurea, Chrysopogon fallax, Aristida holathera var. latifolia and Eriachne obtusa open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
Litter cover: + Logs, + Twigs, 1% Lvs.
Disturbance type: Nearby tracks.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	+		0.7m	QR026.01A
	Acacia stellaticeps	15%		0.6m	QR009.02
	Aristida holathera var. latifolia	4%		0.5m	QR072.02
	Cassytha capillaris	+		CL	QR021.05
	Chrysopogon fallax	2%		1m	QR021.01
	Cyperus blakeanus	+		0.4m	QR057.10
	Eriachne obtusa	6%		0.4m	QR010.06
	Eulalia aurea	10%		0.6m	QR024.01
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05
	Hybanthus aurantiacus	+		0.3m	QR021.08
	Pluchea tetranthera	+		0.5m	QR049.01
	Pterocaulon sp. A Kimberley Flora (B.J. Carter 599)	+		0.2m	QR033.02
	Pterocaulon sphaeranthoides	+		0.1m	QR033.01
	Sida rohlenae subsp. rohlenae	+		0.3m	QR036.04
	Streptoglossa decurrens	+		0.2m	QR039.18
	Triodia epactia	5%		0.2m	QR021.04
	Triodia schinzii	30%		0.3m	QR009.14
	Triodia secunda	10%		0.6m	QR009.05

Quantum Flora 2 Site QR034

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex plain.

Soil Orange brown sandy loam.

Rock

Vegetation Acacia stellaticeps low shrubland over Triodia epactia, Triodia schinzii and Triodia secunda hummock grassland over Aristida holathera var. latifolia, Chrysopogon fallax, Chrysopogon fallax and Eulalia aurea open tussock grassland.

Veg Excellent.

Fire Old.

Note Bare Ground: 15%
Litter cover: + Logs, + Twigs, 2% Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	+	3m	QR026.01A
	Acacia sericophylla	+	2m	QR034.03
	Acacia stellaticeps	20%	0.6m	QR009.02
	Acacia tumida var. pilbarensis	+	1m	QR034.02
	Aristida holathera var. latifolia	5%	0.5m	QR072.02
	Bonamia linearis	+	CL	QR034.01
	Carissa lanceolata	+	1m	QR059.01 op
	Cassytha capillaris	+	CL	QR021.05
	Chrysopogon fallax	10%	0.5m	QR021.01
	Cyperus blakeanus	+	0.1m	QR057.10
	Eriachne obtusa	1%	0.3m	QR010.06
	Eulalia aurea	1%	0.5m	QR024.01
	Evolvulus alsinoides var. villocalyx (grey form)	+	0.1/CL	QR050.05
	Hybanthus aurantiacus	+	0.2m	QR021.08
	Mollugo molluginea	+	0.2m	QR021.10
	Pluchea tetranthera	+	0.5m	QR049.01
	Pluchea tetranthera	+	0.4m	QR025.02
	Ptilotus polystachyus var. arthrotrichus	+	0.3m	QR021.14
	Solanum cleistogamum	+	0.1m	QR021.17
	Triodia epactia	5%	0.6m	QR021.04
	Triodia schinzii	45%	0.5m	QR009.14
	Triodia secunda	2%	<0.2m	QR009.05

Quantum Flora 2 Site QR035

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Sand Plain.

Soil Red brown sandy loam.

Rock Quartz, basalt.

Vegetation Triodia epactia and Triodia secunda closed hummock grassland over Chrysopogon fallax and Eulalia aurea very open tussock grassland.

Veg Excellent.

Fire Old.

Note Bare Ground: 15%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Tracks is 50m away and is very old.
 Crytogram algae on surface.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia coleii var. coleii	+		0.5m	QR026.01A
	Acacia stellaticeps	+		0.5m	QR009.02
	Aristida holathera var. latifolia	+		0.4m	QR072.02
	Cassytha capillaris	+		CL	QR021.05
	Cassytha capillaris	+		CL	QR021.05
	Chrysopogon fallax	5%		0.5m	QR021.01
	Cyperus blakeanus	+		0.1m	QR035.02
	Eriachne obtusa	+		0.5m	QR010.06
	Eulalia aurea	1%		0.5m	QR024.01
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05
	Hybanthus aurantiacus	+		0.3m	QR021.08
	Mollugo molluginea	+		0.4m	QR021.10
	Pluchea tetranthera	+		0.4m	QR049.01
	Pterocaulon serrulatum	+		0.2m	QR035.01
	Tephrosia sp. B Kimberley Flora (C.A. Gardner 7300)	+		0.2m	QR074.09
	Triodia epactia	40%		0.3m	QR021.04
	Triodia epactia	4%		0.5m	QR007.03
	Triodia secunda	30%		0.3m	QR009.05

Quantum Flora 2 Site QR036

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange sandy loam with cracked cryotgram and clay in pools. Few scattered pebbles silicates and shells.

Rock

Vegetation Acacia stellaticeps and Acacia colei var. colei low scattered shrubs over Triodia secunda and Triodia epactia closed hummock grassland over Chrysopogon fallax, Eulalia aurea and Eriachne obtusa very open tussock grassland.

Veg Very Good.

Fire Very Old.

Note Bare Ground: 15%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia colei var. colei	1%	1.5m	QR026.01A
Acacia stellaticeps	2%	0.5-1m	QR009.02
Aristida holathera var. latifolia	+	0.5m	QR072.02
Cassytha capillaris	+	CL	QR021.05
Chrysopogon fallax	5%	0.5m	QR021.01
Commelina ensifolia	+	0.1m	QR021.03
Eriachne obtusa	1%	0.5m	QR010.06
Eulalia aurea	1%	0.5m	QR024.01
Euphorbia aff. coghlanii (QR55-07)	+	0.1m	QR036.01
Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR050.05
Fimbristylis dichotoma	+	<0.1m	QR060.03
Hybanthus aurantiacus	+	0.3m	QR021.08
Mollugo molluginea	+	0.2m	QR021.10
Pluchea tetranthera	+	0.5m	QR049.01
Sida aff. fibulifera (HD148-13)	+	0.1m	QR036.03
Sida rohlenae subsp. rohlenae	+	0.2m	QR036.04
Tephrosia leptoclada	+	0.1m	QR036.02
Tephrosia supina	+	0.2m	QR005.03
Triodia epactia	5%	0.6m	QR021.04
Triodia secunda	80%	0.3m	QR009.05

Quantum Flora 2 Site QR037

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Sand Plain.

Soil Orange cream sand.

Rock

Vegetation Acacia colei var. colei, Acacia stellaticeps and Hybanthus aurantiacus low open shrubland over Triodia secunda and Triodia epactia hummock grassland over Eriachne obtusa, Aristida holathera var. latifolia and Chrysopogon fallax very open tussock grassland over Mollugo molluginea and Commelina ensifolia scattered herbs.

Veg Very Good.

Fire Old.

Note Aspect: Slight South West
 Bare Ground: 10%
 Litter cover: 1% Twigs, 1% Lvs.
 Disturbance type: Nearby Road.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	+		0.8m	QR026.01A
	Acacia stellaticeps	3%		0.5m	QR009.02
	Aristida holathera var. latifolia	3%		<0.5m	QR072.02
	Bonamia linearis	+		CL	QR037.03
	Cassytha capillaris	+		CL	QR021.05
	Chrysopogon fallax	1%		1.5m	QR021.01
	Commelina ensifolia	1%		0.3m	QR021.03
	Crotalaria medicaginea	+		0.25m	QR037.04
	Eriachne obtusa	6%		<0.5m	QR010.06
	Euphorbia sp.	+		<0.2m	QR037.01
	Evolvulus alsinoides var. villosicalyx	+		CL	QR037.02
	Heliotropium foliatum	+		0.15m	QR037.05
	Hybanthus aurantiacus	2%		0.4m	QR021.08
	Mollugo molluginea	1%		0.25m	QR021.10
	Pluchea tetranthera	+		0.4m	QR049.01
	Solanum cleistogamum	+		0.4m	QR021.17
	Triodia epactia	35%		0.6m	QR021.04
	Triodia secunda	8%		0.4m	QR009.05

Quantum Flora 2 Site QR038

Described TE **Date** 9/05/2008 **Type** Q
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain - drainage depression.

Soil Orange sandy loam.

Rock

Vegetation Eucalyptus victrix scattered low trees over Acacia stellaticeps open shrubland over Pluchea rubelliflora low scattered shrubs over Triodia secunda hummock grassland over Eriachne obtusa scattered tussock grasses over Commelina ensifolia scattered herbs.

Veg Very Good.

Fire Old to Very Old.

Note Aspect: Slight West.
 Bare Ground: 15%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Grazed, fences.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	+ (1%)	2m	QR026.01A
	Acacia stellaticeps	3%	1.2m	QR009.02
	Cassytha capillaris	+	CL	QR021.05
	Commelina ensifolia	1%	0.2m	QR021.03
	Eragrostis falcata	(2%)	0.1m	QR038.01
	Eriachne obtusa	1%	0.4m	QR010.06
	Eucalyptus victrix	+ (1%)	3m	QR077.01
	Pluchea rubelliflora	2%	0.5m	QR115.23
	Pluchea tetranthera	+	0.5m	QR049.01
	Sclerolaena sp.	+	<0.1m	QR038.02
	Solanum cleistogamum	+	0.1m	QR021.17
	Triodia secunda	50%	0.5m	QR009.05

Quantum Flora 2 Site QR039

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain - gentle undulations, dissected by low tidal channels/ drain depressions.

Soil Orange sandy loam with scattered shells.

Rock Limestone outcroppings.

Vegetation Acacia colei var. colei and Acacia bivenosa high open shrubland over Hakea lorea subsp. lorea scattered shrubs over Corchorus aff. incanus and Scaevola amblyanthera var. centralis low open shrubland over Triodia epactia and Triodia secunda closed hummock grassland over *Cenchrus ciliaris scattered tussock grasses.

Veg Excellent to Very Good.

Fire Very Old.

Note Bare Ground: 8%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia bivenosa	6%		2-3m	QR010.03	
	Acacia colei var. colei	10%		2-3m	QR039.06	
	Acacia stellaticeps	+		1m	QR009.02	
	Adriana urticoides var. urticoides	+		1m	QR039.11	
	Adriana urticoides var. urticoides	+		0.7m	QR039.16	
	Aerva javanica	+		0.6m	QR010.02	
	Aristida holathera var. latifolia	+		0.5m	QR072.02	
	Boerhavia coccinea	+		<0.1m	QR039.10	
	Cassytha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	1%		0.5m	QR010.01	
	Chrysopogon fallax	+		0.6m	QR021.01	
	Cleome viscosa	+		0.3m	NC	
	Commelina ensifolia	+		0.4m	QR021.03	
	Corchorus aff. incanus	5%		0.5m	QR010.11	
	Enchylaena tomentosa var. tomentosa	+		0.5m	QR039.07	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR010.04	
	Eriachne obtusa	+		0.5m	QR010.06	
	Eulalia aurea	+		0.5m	QR039.15	
	Euphorbia coghlanii	+		0.1m	QR039.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Fimbristylis dichotoma	(+)		<0.1m	QR039.08	
	Hakea lorea subsp. lorea	1%		2m	QR016.07	
	Hybanthus aurantiacus	+		0.2m	QR021.08	
	Indigofera linifolia	+		<0.1m	QR050.11	
	Indigofera linnaei	+		0.3m	QR039.01	
	Indigofera trita	+		0.5m	QR039.09	
	Mukia maderaspatana	+		CL	QR001.09	
	Panicum decompositum	+		0.5m	QR049.02	
	Phyllanthus maderaspatensis	+		0.1m	QR039.12	
	Pluchea tetranthera	+		0.3m	QR049.01	
	Sarcostemma viminalis subsp. australe	+		0.5m	OP	
	Scaevola amblyanthera var. centralis	1%		0.3m	QR039.13	
	Senna notabilis	+		0.3m	QR024.09	
	Sida aff. fibulifera (HD148-13)	+		0.6m	QR039.02	
	Sida billbarkeri	+		0.1m	QR039.03	
	Sida pilbarensis (ferruginous form)	+		0.6m	QR061.01	

<i>Solanum cleistogamum</i>	+	0.3m	QR039.14
<i>Solanum cleistogamum</i>	+	0.1m	QR021.17
<i>Solanum diversiflorum</i>	+	0.2m	QR004.06
<i>Solanum phlomoides</i>	+	0.5m	QR039.17
<i>Solanum phlomoides</i>	+	0.5m	QR039.04
<i>Streptoglossa decurrens</i>	+	0.2m	QR039.18
<i>Trianthema turgidifolia</i>	+	0.6m	QR018.10
<i>Triodia epactia</i>	75%	0.5-0.8m	QR021.04
<i>Triodia secunda</i>	5%	<0.3m	QR009.05

Quantum Flora 2 Site QR040

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mangroves.

Soil Brown Mud.

Rock

Vegetation Avicennia marina open heath over Suaeda arbusculoides and Halosarcia halocnemoides subsp. nov. low open shrubland.

Veg Excellent.

Fire Old.

Note Bare Ground: 55%

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Avicennia marina	40%	1-2m	QR008.05
	Halosarcia halocnemoides subsp. nov.	5%	<0.5m	QR040.01
	Suaeda arbusculoides	1%	0.4m	QR014.01

Quantum Flora 2 Site QR041

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orangey brown loamy sand with a bit of clay on top.

Rock

Vegetation Acacia colei var. colei and Acacia stellaticeps scattered shrubs over Triodia epactia and Triodia secunda closed hummock grassland over Eriachne obtusa and Eulalia aurea very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 10%
 Litter cover: 1% Twigs, + Lvs.
 Disturbance type: Nearby Tracks.
 Weird chemical smell.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	1%		1-3m	QR039.06	
	Acacia stellaticeps	1-2%		<1m	QR009.02	
	Aristida holathera var. latifolia			0.4m	QR072.02	
	Cassytha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris			0.4m	QR010.01	
	Chrysopogon fallax			<1m	QR021.01	
	Commelina ensifolia	+		0.2m	QR021.03	
	Eriachne obtusa	1-2%		0.5m	QR041.01	
	Eriachne obtusa	4%		0.4m	QR010.06	
	Eulalia aurea	2%		0.8m	QR024.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07	
	Fimbristylis dichotoma	+		0.3m	QR039.08	
	Hybanthus aurantiacus	+		0.5m	QR021.08	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Sida rohlenae subsp. rohlenae	+		0.3m	QR041.02	
	Solanum cleistogamum	+		0.2m	QR021.17	
	Trianthema turgidifolia	+		0.4m	QR018.10	
	Triodia epactia	60%		0.6m	QR021.04	
	Triodia secunda	30%		0.4m	QR009.05	

Quantum Flora 2 Site QR042

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Samphire Flats.

Soil Orange, brown sand- water logged.

Rock Mixed basalt, quartz, granite and shells.

Vegetation Halosarcia halocnemoides subsp. catenulata, Halosarcia auriculata and Halosarcia halocnemoides subsp. nov. low open shrubland.

Veg Very Good.

Fire Old.

Note Bare Ground: 90%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Nearby tracks, fence.
 Some small pools of standing water, bird tracks in mud.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Halosarcia auriculata	2%		0.3m	QR042.02
	Halosarcia halocnemoides subsp. catenulata	3%		0.4m	QR042.01
	Halosarcia halocnemoides subsp. nov.	1%		0.3m	QR040.01
	Halosarcia halocnemoides subsp. nov.	1%		0.2m	QR042.03

Quantum Flora 2 Site QR043

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain with slight depression.

Soil Creamy orange sand.

Rock

Vegetation Acacia stellaticeps low shrubland over Triodia secunda and Triodia epactia open hummock grassland over Eragrostis falcata, Eriachne obtusa, *Cenchrus ciliaris and Cyperus blakeanus very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 45%
Litter cover: 1% Twigs, 1% Lvs.
Disturbance type: Nearby tracks.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia coleii var. coleii	+		<0.8m	QR039.06	
	Acacia stellaticeps	30%		0.6m	QR009.02	
	Aristida holathera var. latifolia	+		0.5m	QR072.02	
	Aristida holathera var. latifolia	+		<0.5m	QR043.03	
	Cenchrus ciliaris	1%		0.4m	QR010.01	
	Commelina ensifolia	+		0.1m	QR021.03	
	Cyperus blakeanus	1%		0.1m	QR057.10	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR010.04	
	Eragrostis falcata	1%		0.1m	QR015.04	
	Eriachne obtusa	+		0.4m	QR043.02	
	Eriachne obtusa	+		0.4m	QR043.04	
	Eriachne obtusa	1%		0.3m	QR010.06	
	Hybanthus aurantiacus	+		0.2m	QR021.08	
	Mollugo molluginea	+		0.2m	QR043.01	
	Mollugo molluginea	+		0.25m	QR021.10	
	Pluchea tetranthera	+		0.2m	QR049.01	
	Ptilotus exaltatus var. exaltatus	+		0.1m	QR009.07	
	Sporobolus virginicus	1%		0.1m	QR043.05	
	Triodia epactia	13%		0.4-0.5m	QR021.04	
	Triodia secunda	3%		0.2m	QR009.05	
	Zornia muelleriana subsp. congesta	+		0.15m	QR061.06	

Quantum Flora 2 Site QR044

Described TE **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange loam sand with cracked surface in places.

Rock

Vegetatio Acacia colei var. colei high open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia secunda hummock grassland over Chrysopogon fallax, Cyperus blakeanus, Eulalia aurea, Eriachne obtusa and Eragrostis speciosa tussock grassland.

Veg Very Good.

Fire Old.

Note**SPECIES**

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	3%		2-3m	QR039.06	
	Acacia stellaticeps	3%		0.6m	QR009.02	
	Aristida holathera var. latifolia	+		0.4m	QR072.02	
	Cassytha capillaris	+		CL	QR021.05	
	Chrysopogon fallax	4%		1m	QR021.01	
	Commelina ensifolia	+		0.1m	QR021.03	
	Cyperus blakeanus	2%		0.2m	QR044.02	
	Cyperus blakeanus	2%		0.2m	QR044.01	
	Eragrostis speciosa	1%		0.2m	QR044.03	
	Eriachne obtusa	10%		0.5m	QR010.06	
	Eriachne obtusa	1%		0.3m	QR044.04	
	Eulalia aurea	15%		0.6m	QR024.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		<0.1m	QR050.05	
	Fimbristylis dichotoma	+		<0.1m	QR060.03	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Marsilea hirsuta	+		<0.1m	QR115.14	
	Mimulus gracilis	+		<0.1m	QR044.05	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Triodia epactia	50%		0.5m	QR021.04	
	Triodia secunda	4%		0.2m	QR009.05	
	Zornia muelleriana subsp. congesta	+		0.3m	QR044.06	

Quantum Flora 2 Site QR045

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Sand Plain.

Soil Light brown, red, sandy loam.

Rock

Vegetation Carissa lanceolata scattered tall shrubs over Triodia epactia and Triodia schinzii hummock grassland over Aristida holathera var. latifolia, Chrysopogon fallax, *Cenchrus ciliaris and Eriachne obtusa very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 10%
Litter cover: 1% Twigs, + Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia coleii var. coleii	+	<1.5m	QR039.06
	Acacia stellaticeps	25%	0.5m	QR009.02
	Aristida holathera var. latifolia	5%	0.4m	QR072.02
	Carissa lanceolata	1%	2.5m	QR045.02
	Cassytha capillaris	+	CR	QR021.05
	Cenchrus ciliaris	1%	0.4m	QR010.01
	Chrysopogon fallax	3%	<0.5m	QR021.01
	Cyperus blakeanus	+	0.4m	QR044.02
	Eriachne obtusa	1%	0.3m	QR010.06
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR045.01
	Hybanthus aurantiacus		0.3m	QR021.08
	Pluchea tetranthera	+	0.4m	QR049.01
	Sida aff. fibulifera (HD148-13)	+	CL	QR045.04
	Sida billbarkeri	+	0.2m	QR045.03
	Stemodia lathraia			QR045.05
	Triodia epactia	40%	0.6m	QR021.04
	Triodia schinzii	2%	0.6m	QR009.14

Quantum Flora 2 Site QR046

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mud Flat - mangrove, next to deep channels.

Soil Deep mud, red brown clay.

Rock

Vegetation Avicennia marina open scrub over Halosarcia halocnemoides subsp. nov. low scattered shrubs.

Veg Excellent.

Fire Very Old.

Note Bare Ground: 85%

Litter cover: + Logs, + Twigs, 1% Lvs.

Disturbance type: Some washed on rubbish.

Mud skippers, crabs. Few dead mangroves. Tidal zone - next to big channel.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Avicennia marina	60%		2-2.5m	QR008.05	
	Avicennia marina	20%		2-2.5m	QR008.05	
	Halosarcia halocnemoides subsp. nov.	1%		0.2m	QR015.03	
	Halosarcia halocnemoides subsp. tenuis	+		0.5m	QR006.03	
	Hemichroa diandra	+		<0.1m	QR046.01	

Quantum Flora 2 Site QR047

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Mud Flats.

Soil Red, brown clay/mud with some sand. Deep grey clay.

Rock

Vegetation Halosarcia halocnemoides subsp. tenuis and Muellerolimon salicorniaceum low open shrubland.

Veg Excellent.

Fire Very Old.

Note Bare Ground: 90%
Litter cover: + Logs, + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Eragrostis falcata	+	<0.1m	QR024.06
	Halosarcia halocnemoides subsp. tenuis	5%	0.1m	QR006.03
	Indigofera trita	+	0.1m	QR024.05
	Ipomoea muelleri	1%	0.1m	QR027.02
	Muellerolimon salicorniaceum	2%	0.1m	QR027.03
	Sporobolus virginicus	+	0.1m	QR008.03
	Suaeda arbusculoides	1%	0.1m	QR014.01
	Triodia secunda	+	0.1m	QR018.04

Quantum Flora 2 Site QR048

Described CS **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Orange brown sand.

Rock

Vegetation Hakea lorea subsp. lorea burnt scattered tall shrubs over Acacia stellaticeps and Pluchea tetranthera burnt low shrubland over Triodia epactia open hummock grassland over Sorghum plumosum and Eriachne obtusa scattered tussock grasses.

Veg Very Good to Good.

Fire Very Recent.

Note Bare Ground: 85%
 Litter cover: 5% Twigs, 5% Lvs.
 Disturbance type: Fire; nearby roads.
 High intensity burn, nothing survived, only regrowth now.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	+	(20%)	0.1m	QR009.02	
	Corchorus aff. incanus	+		0.2m	QR010.11	
	Cullen cinereum	+		0.2m	QR048.01	
	Cullen graveolens	+		0.2m	QR048.03	
	Eriachne obtusa	1%		0.2m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+		0.2m	QR010.05	
	Hakea lorea subsp. lorea	+	(2%)	<2m	QR016.07	
	Pluchea tetranthera	+	(2%)	0.6m	QR025.02	
	Pluchea tetranthera	+		0.15m	QR049.01	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QR048.02	
	Sorghum plumosum	1%		0.4m	QR049.06	
	Triodia epactia	+	(20%)	0.3m	QR021.04	

Quantum Flora 2 Site QR049

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Red brown sandy loam, blackened by ash.

Rock

Vegetation Acacia colei var. colei scattered burnt shrubs over Triodia secunda and Triodia epactia open hummock grassland over Panicum decompositum, Eriachne obtusa, *Cenchrus ciliaris and Chrysopogon fallax very open tussock grassland over Trianthema turgidifolia very open herbland.

Veg Very Good.

Fire Recent.

Note Bare Ground: 65%
 Litter cover: + Logs, + Twigs, 3% Lvs.
 Disturbance type: Cows (carcasses); track nearby; fire.
 Plot burnt since last survey.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	+	(1%)	1.5m	QR039.06	
	Acacia stellaticeps	+		0.5m	QR009.02	
	Cassytha capillaris	+		CL	QR001.07	
	Cenchrus ciliaris	1%		0.3m	QR010.01	
	Chrysopogon fallax	1%		0.5m	QR021.01	
	Dactyloctenium radulans	+		<0.1m	QR112.02	
	Eragrostis falcata	+		0.2m	QR049.10	
	Eriachne obtusa	2%		0.2m	QR010.06	
	Euphorbia coghlanii	+		0.2m	QR049.07	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Fimbristylis dichotoma	(+)		<0.1m	QR049.11	dead
	Goodenia microptera	+		<0.1m	QR010.18	
	Panicum decompositum	5%		0.2m	QR049.02	
	Paspalidium rarum	+		<0.1m	QR049.08	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Portulaca oleracea	+		<0.1m	QR049.04	
	Sclerolaena hostilis	+		0.5m	QR049.12	
	Sorghum plumosum	3%		0.6m	QR049.06	
	Sporobolus virginicus	+		<0.1m	QR008.03	
	Trianthema turgidifolia	5%		0.4m	QR010.09	
	Triodia epactia	+		0.3m	QR049.09	
	Triodia epactia	15%		0.5m	QR049.03	
	Triodia secunda	10%		0.2m	QR009.05	

Quantum Flora 2 Site QR050

Described CS **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange, brown sandy loam.

Rock

Vegetation Acacia colei var. colei burnt open shrubland over Acacia stellaticeps low scattered shrubs over Triodia epactia and Triodia secunda open hummock grassland over Eriachne obtusa and Sorghum plumosum scattered tussock grasses.

Veg Very Good.

Fire Recent.

Note Bare Ground: 40%
 Litter cover: 1% Twigs, + Lvs.
 Disturbance type: Nearby tracks.
 Patchy recently burnt through site.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia colei var. colei	+ (3%)	<2m	QR050.01	
	Acacia stellaticeps	+ (2%)	0.5m	QR009.02	
	Cajanus marmoratus	+	0.15m	QR050.07	
	Cassytha capillaris	+	CL	QR050.10	
	Cassytha capillaris	+	CR	QR021.05	
	Commelina ensifolia	+	0.2m	QR021.03	
	Corchorus aff. incanus	+	0.2m	QR010.11	
	Eragrostis falcata	+	0.25m	QR049.10	
	Eriachne obtusa	1%	0.3m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+	CR	QR010.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+	CR	QR050.05	
	Glycine canescens	+	CR	QR050.02	
	Glycine tomentella	+	0.2m	QR050.03	
	Hybanthus aurantiacus	+	0.3m	QR021.08	
	Hybanthus aurantiacus	+	0.3m	QR050.08	
	Indigofera linifolia	+	0.2m	QR050.11	
	Indigofera trita	+	0.3m	QR050.09	
	Pluchea tetranthera	+	0.3m	QR049.01	
	Rhynchosia minima var. australis	+	CR	QR010.15	
	Sida aff. fibulifera (HD148-13)	+	0.2m	QR050.06	
	Solanum cunninghamii	+	0.1m	QR050.04	
	Sorghum plumosum	1%	0.6m	QR049.06	
	Triodia epactia	5%	<1.5m	QR021.04	
	Triodia epactia	1%	<0.4m	QR049.09	
	Triodia epactia	1%	0.6m	QR049.03	
	Triodia secunda	1%	0.4m	QR009.05	

Quantum Flora 2 Site QR051

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Sandy orange loam.

Rock

Vegetation Pluchea tetranthera and Acacia stellaticeps low open shrubland over Triodia secunda and Triodia epactia open hummock grassland over Eriachne obtusa, Aristida holathera var. latifolia and Sorghum plumosum open tussock grassland.

Veg Very Good.

Fire Very Old.

Note Aspect: West - slightly.
 Bareground: 15%
 Litter cover: + Logs, + Twigs + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	3%		0.5m	QR009.02	
	Aristida holathera var. latifolia	1%		0.5m	QR072.02	
	Bonamia linearis	+		CL	QR051.04	
	Cassytha capillaris	+		CL	QR001.07	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Dodonaea coriacea	+		0.5m	QR051.03	
	Dysphania plantaginella	+		<0.1m	QR051.01	op
	Eragrostis falcata	+		0.3m	QR049.10	
	Eriachne obtusa	3%		0.5m	QR010.06	
	Eulalia aurea	+		0.5m	QR024.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Hybanthus aurantiacus	1%		0.2m	QR021.08	
	Mollugo molluginea	+		0.1m	QR021.10	
	Pluchea tetranthera	5%		0.6m	QR049.01	
	Solanum phlomoides	+		0.1m	QR039.17	
	Sorghum plumosum	10%		0.5m	QR049.06	
	Tephrosia leptoclada	+		0.3m	QR051.02	
	Triodia epactia	15%		0.6m	QR026.01B	
	Triodia epactia	1%		0.5m	QR049.09	
	Triodia secunda	5%		0.2m	QR009.05	

Quantum Flora 2 Site QR052

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Spinifex Plain.

Soil Orange sandy loam.

Rock

Vegetation Acacia colei var. colei high shrubland over Acacia stellaticeps low open shrubland over Triodia epactia, Triodia secunda and Triodia schinzii hummock grassland over Aristida holathera var. latifolia scattered tussock grasses.

Veg Excellent.

Fire Old to Very Old.

Note Bare Ground: 10%
Litter cover: + Logs, + Twigs, 1% Lvs.
Disturbance type: Nearby track, fence line.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	11%		2-3m	QR039.06	
	Acacia stellaticeps	8%		0.5-0.8m	QR009.02	
	Aristida holathera var. latifolia	1%		0.5m	QR072.02	
	Bonamia media var. media	+		CL	QR053.03	
	Cassytha capillaris	+		CL	QR021.05	
	Cleome viscosa	+		0.2m	NC	
	Digitaria brownii	+		0.1m	QR052.02	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.1m	QR010.04	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Hibiscus leptocladus	+		0.4m	QR052.04	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Ipomoea muelleri	+		CL	QR027.02	
	Pluchea tetranthera	+		0.3m	QR049.01	
	Sorghum plumosum	1%		0.3m	QR049.06	
	Triodia epactia	60%		0.5m	QR021.04	
	Triodia schinzii	5%		0.5m	QR052.01	
	Triodia secunda	1%		<0.1m	QR009.05	
	Waltheria indica	+		0.4m	QR052.03	

Quantum Flora 2 Site QR053

Described **Date** 8/04/2008 **Type** Q **50x50m**
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Flat.

Soil Orange sandy.

Rock

Vegetation Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis high shrubland over Acacia stellaticeps low open shrubland over Triodia schinzii and Triodia epactia hummock grassland over *Cenchrus ciliaris and Eriachne obtusa very open tussock grasses.

Veg Excellent.

Fire Old to Very Old.

Note Bare Ground: 20%

Litter cover: + Logs, + Twigs, + Lvs.

Disturbance type: Cows.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia coleii var. coleii	+		1m	QR039.06	
	Acacia sericophylla	+		0.5m	QR053.10	
	Acacia sericophylla	+		1m	QR053.02	
	Acacia stellaticeps	5%		0.5m	QR009.02	
	Acacia tumida var. pilbarensis	15%		2-3m	QR021.02	
	Aristida holathera var. latifolia	+		0.4m	QR072.02	
	Bonamia media var. media	+		<0.1m	QR053.04	
	Bonamia media var. media	+		<0.1m	QR053.03	
	Cenchrus ciliaris	1-5%		<0.5m	QR010.01	
	Cleome uncifera subsp. uncifera	+		0.2m	QR053.06	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Eragrostis aff. eriopoda (WAS site 963)	5%		0.5m	QR009.13	
	Eriachne obtusa	1%		0.2m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		0.1m	QR053.07	
	Hakea lorea subsp. lorea	+		0.6m	QR016.07	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Merremia davenportii	+		0.2m	QR053.01	
	Owenia reticulata	2%		6m	QR105.01	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Senna notabilis	+		0.2m	QR024.09	
	Sida billbarkeri	+		0.1m	QR053.12	
	Sorghum plumosum	+		0.5m	QR049.06	
	Tephrosia aff. bidwillii (HD153-5)	+		0.2m	QR053.08	
	Triodia epactia	+		0.5m	QR053.05	
	Triodia epactia	30%		0.3m	QR021.04	
	Triodia schinzii	35%		0.6m	QR009.14	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		<0.1m	QR053.09	
	Zornia chaetophora	+		0.1m	QR053.11	

Quantum Flora 2 Site QR054

Described CS **Date** 9/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Orangey brown sand.

Rock

Vegetation Acacia sericophylla scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia schinzii hummock grassland over Chrysopogon fallax scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 25%
 Litter cover: + Logs, 1% Twigs, + Lvs.
 Disturbance type: Nearby tracks and tailing dam.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia colei var. colei			QR026.01A	outside of plot
	Acacia sericophylla	1%	<2m	QR054.01	
	Acacia stellaticeps	15%	0.5m	QR009.02	
	Acacia tumida var. pilbarensis			QR021.02	outside of plot
	Bonamia media var. media	+	CR	QR054.07	
	Bonamia media var. media	+	CR	QR054.02	
	Bonamia rosea	+	0.2m	QR054.05	
	Cenchrus ciliaris	+	0.3m	QR010.01	
	Chrysopogon fallax	2%	0.8m	QR021.01	
	Chrysopogon fallax	+	0.8m	QR054.06	
	Corchorus aff. incanus	+	0.4m	QR010.11	
	Cyperus blakeanus	+	0.4m	QR057.10	
	Digitaria brownii	+	0.6m	QR054.09	
	Eragrostis aff. eriopoda (WAS site 963)	+	0.5m	QR010.04	
	Eriachne obtusa	+	0.2m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+	CR	QR050.05	
	Hybanthus aurantiacus	+	0.4m	QR021.08	
	Indigofera monophylla	+	0.4m	NC	
	Pluchea tetranthera	+	0.35m	QR025.02	
	Ptilotus astrolasius var. astrolasius	+	0.3m	QR028.08	
	Tephrosia rosea var. venulosa			QR054.10	outside of plot
	Triodia epactia	3%	0.5m	QR054.04	
	Triodia epactia	50%	0.6m	QR021.04	
	Triodia schinzii	11%	0.6m	QR054.03	
	Triumfetta aff. chaetocarpa (PAN3/4)	+	0.4m	QR054.08	

Quantum Flora 2 Site QR055

Described CS **Date** 8/05/2008 **Type** Q
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Orange, brown sand.

Rock

Vegetation Hakea lorea subsp. lorea and Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia epactia and Triodia secunda open hummock grassland.

Veg Very Good.

Fire Old.

Note Orangey brown sand.
 Bare Ground: 60%
 Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia coleii var. coleii	+		1m	QR039.06	
	Acacia stellaticeps	25%		0.5m	QR009.02	
	Acacia tumida var. pilbarensis	1%		1m	QR021.02	
	Cassytha capillaris	+		CR	QR021.05	
	Chrysopogon fallax	1%		1.2m	QR021.01	
	Chrysopogon fallax	1%		1.2m	QR021.01	
	Corchorus aff. incanus	2%		0.5m	QR010.11	
	Digitaria brownii	+		0.5m	QR055.02	
	Eriachne mucronata (typical form)	+		0.25m	QR055.08	
	Eriachne obtusa	+		0.2m	QR010.06	
	Eulalia aurea	+		0.4m	QR024.01	
	Euphorbia aff. coghlanii (QR55-07)	+		0.3m	QR055.07	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Glycine tomentella	+		CR	QR055.03	
	Hakea lorea subsp. lorea	1%		1-2m	QR016.07	
	Hybanthus aurantiacus	+		0.2m	QR021.08	
	Ipomoea muelleri	+		CL	QR055.01	
	Ipomoea muelleri	+		CR	QR027.02	
	Pluchea tetranthera	2%		0.5m	QR025.02	
	Polymeria calycina	+		CR	QR055.06	
	Ptilotus polystachyus var. arthrotrichus	+		0.2m	QR021.14	
	Triodia epactia	30%		0.5m	QR021.04	
	Triodia secunda	1%		0.2m	QR009.05	
	Waltheria indica	+		0.4m	QR055.05	
	Zornia chaetophora	+		0.4m	QR055.04	

Quantum Flora 2 Site QR056

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Locatio

MGA **mE** **mN**

Habitat Sand Plain.

Soil Orange, sandy soil.

Rock

Vegetation Acacia stellaticeps low open burnt heath over Triodia epactia hummock grassland over Aristida holathera var. latifolia, Eriachne obtusa and Chrysopogon fallax open tussock grassland.

Veg Very Good to Good.

Fire Recent.

Note Bare Ground: 80%
 Litter cover: + Logs, 1% Twigs, + Lvs.
 Disturbance type: Fire.
 Recently burnt between assessments; post fire annuals are dominant.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia stellaticeps	1%	0.4m	QR009.02	
	Aristida holathera var. latifolia	10%	0.5m	QR072.02	
	Bonamia linearis	+	CL	QR056.09	
	Bulbostylis barbata	(+)	<0.1m	QR058.10	
	Cassytha capillaris	(+)	CL	QR021.05	
	Chrysopogon fallax	1%	0.5m	QR021.01	
	Corchorus aff. incanus	+	0.2m	QR010.11	
	Cyperus blakeanus	+	0.1m	QR056.06	
	Digitaria brownii	+	<0.1m	QR056.03	
	Eragrostis aff. eriopoda (WAS site 963)	+	0.3m	QR056.10	
	Eriachne obtusa	10%	0.4m	QR010.06	
	Eucalyptus victrix	+	3m	QR077.01	op
	Euphorbia aff. coghlanii (QR55-07)	+	<0.1m	QR056.08	
	Euphorbia australis	+	<0.1m	QR056.13	
	Evolvulus alsinoides var. villocalyx (grey form)	+	<0.1m	QR010.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR010.05	
	Fimbristylis oxystachya	+	0.2m	QR056.07	
	Hybanthus aurantiacus	+	0.1m	QR056.11	
	Hybanthus aurantiacus	+	0.5m	QR021.08	
	Leptosema anomalum	+	<0.1m	QR056.01	
	Ptilotus polystachyus var. arthrotrichus	+	0.3m	QR021.14	
	Solanum diversiflorum	+	0.2m	QR004.06	
	Tephrosia simplicifolia	+	<0.1m	QR056.02	
	Trianthema turgidifolia	+	<0.1m	QR010.09	
	Triodia epactia	30%	0.2m	QR056.05	
	Waltheria indica	+	0.1m	QR058.08B	
	Yakirra australiensis var. australiensis	+	<0.1m	QR058.15	

Quantum Flora 2 Site QR057

Described TE **Date** 8/08/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain - Drainage Line.

Soil Orange, brown alluvial washed sand.

Rock Limestone.

Vegetation Acacia colei var. colei, Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia secunda and Triodia epactia scattered hummock grasses over Eriachne obtusa and Sporobolus virginicus very open tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 70%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Cattle; litter.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia ampliceps	+	2m	QR001.11	
	Acacia colei var. colei	1%	1m	QR039.06	
	Acacia stellaticeps	8%	0.5m	QR009.02	
	Aristida holathera var. latifolia	+	0.3m	QR072.02	
	Cassytha capillaris	+	CL	QR021.05	
	Cenchrus ciliaris	+	0.5m	QR010.01	
	Corchorus aff. incanus	3%	0.5m	QR010.11	
	Crotalaria ramosissima	+	<0.1m	QR057.07	
	Cyperus blakeanus	+	0.2m	QR057.10	
	Digitaria ciliaris	+	0.3m	QR057.01	
	Eragrostis speciosa	+	0.3m	QR057.06	
	Eriachne aristidea	+	0.1m	QR057.04	
	Eriachne obtusa	2%	0.3m	QR010.06	
	Euphorbia aff. coghlanii (QR55-07)	+	0.1m	QR055.07	
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR050.05	
	Hybanthus aurantiacus	+	0.5m	QR021.08	
	Ipomoea muelleri	+	CL	QR027.02	
	Pluchea tetranthera	1%	0.3m	QR049.01	
	Pluchea tetranthera	+	0.3m	QR025.02	
	Pterocaulon sphaeranthoides	+	0.2m	QR057.03	
	Senna notabilis	+	0.5m	QR024.09	
	Sida rohlenae subsp. rohlenae	+	0.1m	QR057.08	
	Sida rohlenae subsp. rohlenae	+	0.2m	QR057.02	
	Sorghum plumosum	+	1m	QR049.06	
	Sporobolus virginicus	2%	<0.1m	QR057.09	
	Stemodia grossa	+	0.6m	QR023.05	
	Tephrosia leptoclada	+	0.1m	QR057.05	
	Triodia epactia	1%	0.5m	QR021.04	
	Triodia secunda	35%	0.3m	QR009.05	

Quantum Flora 2 Site QR058

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Drainage depression.

Soil Orange sandy loam.

Rock

Vegetation Eucalyptus victrix low open woodland over Acacia colei var. colei scattered shrubs over Triodia epactia very open hummock grassland over Chrysopogon fallax scattered tussock grasses over Marsilea hirsuta and Goodenia lamprosperma scattered herbs.

Veg Excellent.

Fire Very Old.

Note Bare Ground: 60%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Flood waters; signs of cattle.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	1%		1.2m	QR039.06	
	Acacia stellaticeps	+		0.5m	QR009.02	
	Alternanthera aff. angustifolia	+		0.1m	QR058.07	
	Aristida holathera var. latifolia	+		0.4m	QR072.02	
	Bergia henschallii	1%		<0.1m	QR058.02	
	Bulbostylis barbata	(+)		<0.1m	QR058.10	
	Chrysopogon fallax	1%		1m	QR021.01	
	Corchorus aff. incanus	+		0.1m	QR010.11	
	Cyperus blakeanus	+		0.2m	QR058.13	
	Desmodium muelleri	+		CL	QR058.11B	
	Eragrostis speciosa	+		0.5m	QR058.03	
	Eriachne benthamii	+		0.3m	QR058.04	
	Eriachne obtusa	+		0.2m	QR010.06	
	Eucalyptus victrix	6%		3-8m	QR077.01	
	Fimbristylis sp.	+		0.1m	QR058.14	
	Goodenia lamprosperma	1%		<0.1m	QR058.01	
	Hibiscus leptocladus				QR058.08A	
	Ipomoea polymorpha	+		0.1m	QR058.09	
	Marsilea hirsuta	2%		<0.1m	QR115.14	
	Paspalidium rarum	+		<0.1m	QR049.08	
	Senna notabilis	+		0.3m	QR024.09	
	Sida rohlenae subsp. rohlenae	+		0.4m	QR058.05	
	Sida rohlenae subsp. rohlenae	+		0.3m	QR058.06	
	Stemodia lathraia	+		<0.1m	QR058.12	
	Trianthena turgidifolia	+		<0.1m	QR010.09	
	Tribulopsis angustifolia				QR058.11	
	Triodia epactia	6%		0.6m	QR021.04	
	Waltheria indica	+		<0.1m	QR058.08B	
	Yakirra australiensis var. australiensis	+		<0.1m	QR009.08	
	Yakirra australiensis var. australiensis	+		<0.1m	QR058.15	

Quantum Flora 2 Site QR059

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Orange sand with some clay.

Rock

Vegetation Carissa lanceolata and Acacia colei var. colei high open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland over Eulalia aurea and Eriachne obtusa open tussock grassland.

Veg Very Good to Excellent.

Fire Old.

Note Bare Ground: 25%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	3%		2-3m	QR039.06	
	Acacia stellaticeps	4%		0.5-0.8m	QR009.02	
	Achyranthes aspera	+		0.5m	QR059.02	
	Bergia henschallii	+		<0.1m	QR058.02	
	Bonamia linearis	+		CL	QR059.04	
	Carissa lanceolata	2%		2-2.5m	QR059.01	
	Cassytha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	+		0.5m	QR010.01	
	Chrysopogon fallax	+		0.5m	QR021.01	
	Corchorus aff. incanus	1%		0.5m	QR010.11	
	Cyperus blakeanus	+		0.2m	QR056.06	
	Dactyloctenium radulans	+		<0.1m	QR112.02	op
	Eriachne obtusa	1%		0.5m	QR010.06	
	Eulalia aurea	20%		0.6m	QR024.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Fimbristylis dichotoma	+		<0.1m	QR059.06	
	Fimbristylis rara	+		0.1m	QR059.07	
	Hakea lorea subsp. lorea	+		1m	QR016.07	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Ipomoea muelleri	+		CL	QR059.09	
	Marsilea hirsuta	+		<0.1m	QR115.14	
	Phyllanthus exilis	+		<0.1m	QR059.08	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Ptilotus fusiformis var. fusiformis	+		<0.1m	QR021.19	op
	Sida rohlenae subsp. rohlenae	+		0.5m	QR059.03	
	Stemodia lathraia	+		0.1m	QR059.05	
	Triodia epactia	60%		0.5m	QR021.04	
	Waltheria indica	+		<0.1m	QR058.08B	op
	Yakirra australiensis var. australiensis	+		<0.1m	QR009.08	op

Quantum Flora 2 Site QR060

Described TE **Date** 8/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA mE mN

Habitat Spinifex Plain.

Soil Red, brown sand - hard pan present in gaps.

Rock

Vegetation Acacia stellaticeps low scattered shrubs over Triodia epactia and Triodia secunda hummock grassland over Chrysopogon fallax and Eriachne obtusa scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Bare Ground: 40%
Litter cover: + Logs, + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	+		1.2m	QR039.06
	Acacia stellaticeps	1%		0.6m	QR009.02
	Cassytha capillaris	(+)		CL	QR021.05
	Chrysopogon fallax	1%		0.6m	QR021.01
	Cyperus blakeanus	+		0.2m	QR057.10
	Eriachne obtusa	1%		0.4m	QR010.06
	Fimbristylis dichotoma	(+)		<0.1m	QR060.03
	Fimbristylis sp.	+		0.1m	QR060.02
	Hakea lorea subsp. lorea	+		1m	QR016.07
	Hybanthus aurantiacus	+		0.4m	QR021.08
	Pluchea tetranthera	+		0.6m	QR049.01
	Triodia epactia	50%		0.6m	QR021.04
	Triodia secunda	3%		0.2m	QR009.05
	Zornia muelleriana subsp. congesta	+		<0.1m	QR060.01

Quantum Flora 2 Site QR061

Described TE **Date** 8/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange sandy loam.

Rock

Vegetation Carissa lanceolata open shrubland over Triodia epactia and Triodia secunda open hummock grassland over Aristida holathera var. latifolia, Eriachne obtusa, Yakirra australiensis var. australiensis, Cyperus blakeanus and *Cenchrus ciliaris open tussock grassland.

Veg Excellent.

Fire Recent.

Note Bare Ground: 60%
Litter cover: + Logs, 1% Twigs, + Lvs.
Disturbance type: Fire; nearby road.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Aristida holathera var. latifolia	3%		0.2m	QR061.05	
	Bonamia media var. media	+		CL	QR061.09	
	Bonamia media var. media	+		CL	QR053.03	
	Carissa lanceolata	3%		1-3m	QR059.01	
	Cassytha capillaris	(+)		CL	QR021.05	
	Cenchrus ciliaris	1%		0.4m	QR010.01	
	Commelina ensifolia	+		0.1m	QR021.03	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Cyperus blakeanus	1%		0.2m	QR057.10	
	Desmodium filiforme	+		<0.1m	QR061.08	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.5m	QR010.04	
	Eriachne obtusa	10%		0.5m	QR010.06	
	Euphorbia aff. coghlanii (QR55-07)	+		<0.1m	QR061.02	
	Euphorbia australis	+		<0.1m	QR061.04	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Fimbristylis oxystachya	1%		0.1m	QR061.03	
	Goodenia nuda	+		0.1m	QR061.10	
	Hakea lorea subsp. lorea	+		0.6m	QR016.07	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Mollugo molluginea	+		0.2m	QR021.10	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Senna notabilis	+		<0.4m	QR024.09	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QR061.07	
	Sida pilbarensis (ferruginous form)	+		0.6m	QR061.01	
	Solanum cleistogamum	(+)		0.1m	QR073.04	
	Solanum diversiflorum	+		0.4m	QR004.06	
	Sorghum plumosum	5%		0.3m	QR049.06	
	Triodia epactia	10%		<0.2m	QR021.04	
	Triodia secunda	10%		0.2m	QR009.05	
	Waltheria indica	+		0.1m	QR058.08B	
	Yakirra australiensis var. australiensis	1%		<0.1m	QR071.02	
	Zornia muelleriana subsp. congesta	+		0.1m	QR061.06	

Quantum Flora 2 Site QR062

Described CS **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Brown orange sand.

Rock

Vegetation Corymbia hamersleyana scattered low trees over Acacia stellaticeps and Indigofera monophylla low shrubland over Triodia schinzii and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 20%
Litter cover: 1% Twigs, 1% Lvs.
Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	+	>1m	QR026.01A
	Acacia stellaticeps	20%	0.5-1m	QR009.02
	Acacia tumida var. pilbarensis	+	<2m	QR062.03
	Bonamia rosea	+	0.3m	QR063.02
	Chrysopogon fallax	+	0.4m	QR063.01
	Corchorus aff. incanus	1%	<1m	QR010.11
	Corymbia hamersleyana	1-2%	<4m	QR062.02
	Eragrostis aff. eriopoda (WAS site 963)	+	0.4m	QR010.04
	Eriachne obtusa	+	0.4m	QR010.06
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR010.05
	Hybanthus aurantiacus	+	0.3m	QR021.08
	Indigofera monophylla	3%	<0.7m	NC
	Pimelea ammodarid	+	0.6m	QNOP04T
	Triodia epactia	15%	0.6m	QR021.04
	Triodia epactia	1%	0.6m	QR062.01
	Triodia schinzii	40%	<1.5m	QR009.14

Quantum Flora 2 Site QR063

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange, red sandy loam.

Rock

Vegetation Corymbia flavescens low open woodland over Acacia colei var. colei open shrubland over Acacia stellaticeps low open heath over Triodia epactia, Triodia schinzii and Triodia lanigera hummock grassland over *Cenchrus ciliaris very open tussock grassland over Bonamia rosea scattered

Veg Very Good.

Fire Old to Very Old.

Note Litter cover: + Logs, 1% Twigs, 5% Lvs.
Disturbance type: Nearby road; rabbit holes (or lizards).

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	3.5%	2m	QR039.06
	Acacia stellaticeps	60%	0.6m	QR009.02
	Bonamia rosea	1%	0.2m	QR063.02
	Carissa lanceolata	+	1.2m	QR087.17
	Cenchrus ciliaris	3%	0.5m	QR010.01
	Chrysopogon fallax	+	0.4m	QR063.01
	Corchorus aff. incanus	+	0.5m	QR010.11
	Corymbia flavescens	4%	2-4m	QR069.01
	Digitaria brownii	+	0.3m	QR063.08
	Eragrostis aff. eriopoda (WAS site 963)	+	0.4m	QR010.04
	Eriachne obtusa	+	0.4m	QR010.06
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR050.05
	Hakea lorea subsp. lorea	+	1m	QR063.05
	Hybanthus aurantiacus	+	0.3m	QR021.08
	Paraneurachne muelleri	+	0.3m	QR063.04
	Paspalidium rarum	+	<0.1m	QR063.07
	Pluchea tetranthera	+	0.5m	QR049.01
	Sida rohlenae subsp. rohlenae	+	0.2m	QR063.06
	Solanum cleistogamum	+	0.2m	QR021.17
	Triodia epactia	30%	0.5m	QR021.04
	Triodia lanigera	1%	0.6m	QR105.06
	Triodia schinzii	30%	0.6m	QR009.14
	Waltheria indica	+	0.4m	QR063.03

Quantum Flora 2 Site QR064

Described CS **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Dolichandrone heterophylla scattered low trees over Acacia tumida var. pilbarensis open scrub over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland over *Cenchrus ciliaris very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 20%
Litter cover: 1% Twigs, 1% Lvs.
Disturbance type: Road and Fence nearby.
Kangaroo tracks.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia sericophylla	+		1.2m	QR064.03	
	Acacia stellaticeps	5%		<1m	QR009.02	
	Acacia tumida var. pilbarensis	50%		2-4m	QR034.02	
	Aerva javanica	+		0.5m	QR010.02	
	Aristida holathera var. latifolia	+		0.4m	QR072.02	
	Bonamia media var. media	+		CR	QR064.01	
	Bulbostylis barbata	+		0.15m	QR064.10	
	Cenchrus ciliaris	10%		0.4m	QR010.01	
	Chrysopogon fallax	+		0.5m	QR021.01	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Crotalaria ramosissima	+		0.3m	QR064.08	
	Cyperus blakeanus	+		1m	QR057.10	
	Dolichandrone heterophylla	1%		5m	QR073.10	
	Dolichandrone heterophylla	+		<0.3m	QR064.04	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR064.06	
	Eriachne obtusa	+		<0.4m	QR064.11	
	Eriachne obtusa	+		0.4m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CR	QR010.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CR	QR050.05	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Indigofera linifolia	+		0.1m	QR050.11	
	Indigofera monophylla	+		0.4m	NC	
	Ipomoea muelleri	+		CR	QR027.02	
	Mollugo molluginea	+		0.2m	QR021.10	
	Senna notabilis	+		0.2m	QR024.09	
	Sida rohlenae subsp. rohlenae	+		0.6m	QR064.09	
	Solanum lasiophyllum	+		1m	QR064.02	
	Trianthema pilosa	+		0.2m	QR064.07	
	Triodia epactia	60%		<1.2m	QR021.04	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.4m	QR064.05	
	Waltheria indica	+		0.4m	QR063.03	

Quantum Flora 2 Site QR065

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain - very low rise in centre.

Soil Brown, orange sand with some loam.

Rock Scattered iron and silicates.

Vegetation Acacia colei var. colei open shrubland over Acacia stellaticeps low scattered shrubs over Triodia epactia, Triodia secunda and Triodia longiceps hummock grassland over Eulalia aurea scattered grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 20%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon lepidum	+		0.3m	QR016.08	
	Acacia colei var. colei	3%		2-3m	QR039.06	
	Acacia colei var. colei	+		2-3m	QR065.02	
	Acacia sericophylla	+		3m	QR065.01	
	Acacia stellaticeps	1%		0.6m	QR009.02	
	Carissa lanceolata	+		2m	QR087.17	
	Cassytha capillaris	+		CL	QR021.05	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Corymbia flavescens	+		2-3m	QR069.01	
	Cyperus blakeanus	+		0.5m	QR056.06	
	Eucalyptus victrix	+		1m	QR065.03	
	Eulalia aurea	1%		0.6m	QR024.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Indigofera monophylla	+		0.4m	NC	
	Marsilea hirsuta	-		<0.1m	QR115.14	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Tephrosia sp. B Kimberley Flora (C.A. Gardner 7300)	+		0.2m	QR074.09	
	Triodia epactia	60%		0.5m	QR021.04	
	Triodia longiceps	1%		0.3m	QR084.01	
	Triodia secunda	5%		0.1m	QR009.05	
	Waltheria indica	+		0.3m	QR063.03	

Quantum Flora 2 Site QR066

Described TE **Date** 10/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA mE mN
Habitat Spinifex Plain.
Soil Orangey brown sandy loam.
Rock Few alluvial ironstone.
Vegetation Corymbia flavescens and Eucalyptus victrix scattered low trees over Acacia colei var. colei open shrubland over Acacia stellaticeps low open heath over Chrysopogon fallax scattered tussock
Veg Very Good.
Fire Old.
Note Bare Ground: 15%
 Litter cover: + Logs, + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	1%	2m	QR066.02
	Acacia colei var. colei	5%	1-2m	QR039.06
	Acacia sericophylla	+	0.3m	QR065.01
	Acacia stellaticeps	40%	1m	QR009.02
	Aristida ingrata	+	0.6m	QR066.01
	Carissa lanceolata	3%	1-1.5m	QR087.17
	Cassytha capillaris	+	CL	QR021.05
	Chrysopogon fallax	1%	0.3m	QR066.04
	Corchorus aff. incanus	+	0.3m	QR010.11
	Corymbia flavescens	2%	1-3m	QR069.01
	Cyperus blakeanus	+	0.1m	QR066.05
	Eriachne obtusa	+	0.4m	QR010.06
	Eucalyptus victrix	+	1-2m	QR077.01
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR010.05
	Evolvulus alsinoides var. villosicalyx	+	CL	QR114.07
	Hakea lorea subsp. lorea	+	1m	QR016.07
	Pluchea tetranthera	+	0.5m	QR049.01
	Ptilotus astrolasius var. astrolasius	+	0.3m	QR028.08
	Sida pilbarensis (ferruginous form)	+	0.4m	QR066.03
	Triodia epactia			QR021.04
	Triodia schinzii			QR009.14
	Triodia secunda	+(1%)	0.2m	QR009.05

Quantum Flora 2 Site QR067

Described TE **Date** 10/05/2008 **Type** Q
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain with a slight depression.

Soil Orange, sandy loam with a crytogram algae crust.

Rock

Vegetation Eucalyptus victrix and Corymbia flavescens low open woodland over Acacia tumida var. pilbarensis, Acacia colei var. colei and Carissa lanceolata high shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old to Very Old.

Note Bare Ground: 20%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	15%		2-3m	QR067.05	
	Acacia colei var. colei	2%		2m	QR067.01	
	Acacia sericophylla	+		1m	QR067.03	
	Acacia stellaticeps	15%		0.5m	QR009.02	
	Acacia tumida var. pilbarensis	2%		2-3m	QR034.02	
	Carissa lanceolata	+		1m	QR087.17	
	Carissa lanceolata	1%		3m	QR067.02	
	Cassytha capillaris	+		CL	QR021.05	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Corymbia flavescens	2%		2m	QR069.01	
	Cyperus blakeanus	+		0.2m	QR057.10	
	Eragrostis tenellula	+		<0.1m	QR115.30	
	Eucalyptus victrix	5%		2-3m	QR077.01	
	Fimbristylis dichotoma	(+)		<0.1m	QR060.03	
	Hakea lorea subsp. lorea	+		1m	QR067.04	
	Hybanthus aurantiacus	+		0.1m	QR021.08	
	Indigofera monophylla	+		0.5m	NC	
	Pluchea tetranthera	+		0.6m	QR049.01	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Triodia epactia	60%		0.8m	QR021.04	

Quantum Flora 2 Site QR068

Described CS **Date** 10/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA mE **mN**
Habitat Sand Plain.
Soil Light orange, brown sand with clay in areas.
Rock Ironstone and quartz.
Vegetation Triodia epactia and Triodia secunda hummock grassland.
Veg Very Good.
Fire Old.
Note Bare Ground: 30%
 Disturbance type: Nearby Track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	+		0.2m	QR009.02	
	Aristida holathera var. latifolia	+		0.4m	QR072.02	
	Eriachne obtusa	+		0.3m	QR043.02	
	Eriachne obtusa	+		0.3m	QR010.06	
	Fimbristylis sp.	+		0.15m	QR068.01	
	Pluchea tetranthera	+		0.3m	QR049.01	
	Triodia epactia	60%		<1m	QR021.04	
	Triodia epactia	1%		<1m	QR007.03	
	Triodia secunda	10%		0.3m	QR009.05	

Quantum Flora 2 Site QR069

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain.

Soil Orange sandy loam.

Rock

Vegetation Corymbia flavescens low open woodland over Acacia colei var. colei, Carissa lanceolata and Acacia sericophylla open scrub over Triodia epactia hummock grassland over *Cenchrus ciliaris, Chrysopogon fallax and Eriachne obtusa very open tussock grasses.

Veg Excellent.

Fire Old to Very Old.

Note Bare Ground: 5%
Litter cover: + Logs, 1% Twigs, 10% Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Abutilon otocarpum	+	0.3m	QR069.16
	Acacia colei var. colei	35%	2-5m	QR039.06
	Acacia inaequilatera	1%	2m	QR090.02
	Acacia sericophylla	1%	1-3m	QR069.12
	Achyranthes aspera	+		QR069.06
	Bonamia media var. media	+	0.1m	QR069.10
	Carissa lanceolata	+	0.3m	QR069.14
	Carissa lanceolata	2%	2-3m	QR087.17
	Cenchrus ciliaris	2%	0.5m	QR010.01
	Chrysopogon fallax	1%	0.5m	QR021.01
	Corchorus aff. incanus	1%	0.5m	QR010.11
	Corymbia flavescens	10%	2-5m	QR069.01
	Cullen stipulaceum	+	0.6m	QR069.09
	Dolichandrone heterophylla	+	4m	QR069.13
	Ehretia saligna var. saligna	+	1m	QR069.07
	Eriachne benthamii	5%	0.5m	QR069.04
	Eriachne obtusa	1%	0.2m	QR010.06
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR050.05
	Fimbristylis dichotoma	+	<0.1m	QR060.03
	Goodenia lamprosperma	+	<0.1m	QR069.15
	Goodenia lamprosperma	1%	<0.1m	QR069.11
	Grevillea pyramidalis subsp. pyramidalis	+	1m	QR069.03
	Hybanthus aurantiacus	+	0.2m	QR021.08
	Indigofera monophylla	+	0.5m	NC
	Pluchea tetranthera	+	0.6m	QR049.01
	Portulaca oleracea	+	<0.1m	QR049.04
	Rhynchosia minima var. australis	+	CL	QR069.02
	Senna notabilis	+	0.2m	QR024.09
	Sida pilbarensis (ferruginous form)	+	0.3m	QR069.08
	Sida rohlenae subsp. rohlenae	+	0.3m	QR121.06
	Solanum lasiophyllum	+	0.6m	QR069.05
	Stemodia lathraia	+	0.2m	NC
	Trianthema triquetra var. triquetra	+	0.1m	QR069.17
	Triodia epactia	50%	0.6m	QR021.04
	Waltheria indica	+	0.4m	QR063.03
	Waltheria indica	+	0.5m	QR063.03

Quantum Flora 2 Site QR070

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Slight Depression.

Soil Red, brown sandy loam - fine sand.

Rock

Vegetation Eucalyptus victrix and Corymbia flavescens low woodland over Acacia colei var. colei and Carissa lanceolata shrubland over Triodia epactia open hummock grassland over Eriachne benthamii open tussock grassland.

Veg Excellent.

Fire Old to Very Old.

Note Litter cover: + Logs, 3% Twigs, 30% Lvs.
Disturbance type: Rubbish.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	20%	2-3m	QR039.06
	Acacia stellaticeps	+	0.5m	QR009.02
	Alternanthera nana	+	0.1m	QR070.05
	Aristida holathera var. latifolia	+	0.3m	QR072.02
	Bonamia media var. media	+	<0.1m; CL	QR053.03
	Carissa lanceolata	1%	1-2m	QR087.17
	Chrysopogon fallax	+	0.3m	QR021.01
	Corchorus aff. incanus	+	0.4m	QR010.11
	Corymbia flavescens	5%	1-2.5m	QR069.01
	Cyperus blakeanus	+	0.3m	QR070.10
	Eragrostis aff. eriopoda (WAS site 963)	+	0.5m	QR010.04
	Eragrostis speciosa	+	0.3m	QR070.04
	Eriachne benthamii	40%	0.5m	QR069.04
	Eriachne obtusa	+	0.2m	QR010.06
	Eucalyptus victrix	15%	5-8m	QR077.01
	Evolvulus alsinoides var. villosicalyx	+	CL	QR114.07
	Fimbristylis dichotoma	2%	0.1m	QR070.02
	Fimbristylis sp.	2%	0.2m	QR070.03
	Goodenia lamprosperma	+(1%)	<0.1m	QR070.01
	Grevillea pyramidalis subsp. leucadendron	+	2m	QR070.08
	Grevillea pyramidalis subsp. leucadendron	+	2m	QR070.06
	Hybanthus aurantiacus	+	0.3m	QR021.08
	Marsilea hirsuta	(+)	<0.1m	QR115.14
	Pluchea tetranthera	+	0.6m	QR049.01
	Rhynchosia minima var. australis	+	CL	QR010.15
	Sida pilbarensis (ferruginous form)	+	0.3m	QR070.07
	Sida rohlena subsp. rohlena	+	0.4m	QR121.06
	Sida rohlena subsp. rohlena	+	0.3m	QR021.09
	Sida rohlena subsp. rohlena	+	0.3m	QR070.09
	Tephrosia sp. B Kimberley Flora (C.A. Gardner 7300)	+	0.2m	QR074.09
	Triodia epactia	30%	0.6m	QR021.04
	Zornia muelleriana subsp. congesta	+	<0.1m	QR061.06

Quantum Flora 2 Site QR071

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Spinifex Plain.

Soil Orange brown sandy loam with a surface crust of cryptogram algae and tiny gravel stones.

Rock

Vegetation Triodia epactia and Triodia secunda hummock grassland.

Veg Excellent.

Fire Old.

Note Bare Ground: 20%

Litter cover: + Logs, + Twigs, + Lvs.

Disturbance type: Nearby an old telegraph track; old tyres; rubbish.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	+		2m	QR039.06	op
	Acacia stellaticeps	+		0.5m	QR009.02	op
	Calandrinia sp.	+		<0.1m	QR071.03	
	Corchorus aff. incanus	+		0.4m	QR010.11	
	Cyperus pulchellus	(+)		<0.1m	NC	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR010.04	op
	Eriachne sp. Port Hedland	2%		0.1m	QR071.01	
	Marsilea hirsuta	+(1%)		<0.1m	QR115.14	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Senna notabilis	+		<0.1m	QR024.09	
	Triodia epactia	55%		<0.6m	QR021.04	
	Triodia secunda	20%		0.2m	QR009.05	
	Yakirra australiensis var. australiensis	+		<0.1m	QR071.02	

Quantum Flora 2 Site QR072

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange sandy soil.

Rock

Vegetation Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps low open heath over Triodia schinzii, Triodia epactia and Triodia secunda hummock grassland over Eriachne obtusa, Aristida holathera var. latifolia and Chrysopogon fallax open tussock grassland over Bonamia rosea scattered herbs.

Veg Very Good to Excellent.

Fire Old.

Note Bareground: 15%
Litter cover: + Logs, 1% Twigs, 20% Lvs.
Dingo and long lizard observed here.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia stellaticeps	35%		0.8m	QR009.02
	Aerva javanica	+		0.6m	QR010.02
	Aristida holathera var. latifolia	10%		0.3m	QR072.02
	Bonamia rosea	2%		0.5m	QR072.08B
	Carissa lanceolata	+		1m	QR072.08
	Cassylia capillaris	+		CL	QR021.05
	Chrysopogon fallax	1%		0.5m	QR021.01
	Corchorus aff. incanus	+		0.6m	QR010.11
	Cyperus blakeanus	+		0.3m	QR056.06
	Digitaria brownii	+		0.2m	QR072.04
	Eragrostis aff. eriopoda (WAS site 963)	+		0.5m	QR010.04
	Eriachne obtusa	10%		0.2m	QR010.06
	Eriachne obtusa	1%		0.5m	QR072.05
	Eriachne obtusa	+		0.3m	QR072.10
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05
	Evolvulus alsinoides var. villocalyx (grey form)	+		<0.1m	QR072.06
	Hakea lorea subsp. lorea	1%		2m	QR072.01
	Hakea lorea subsp. lorea	+		2m	QR016.07
	Hybanthus aurantiacus	+		0.3m	QR021.08
	Melaleuca lasiandra	+		1.2m	QR072.09
	Pluchea tetranthera	+		0.6m	QR049.01
	Ptilotus polystachyus var. arthrotrichus	+		0.1m	QR021.14
	Sida billbarkeri	+		0.5m	QR072.07
	Solanum cleistogamum	+		0.2m	QR021.17
	Triodia epactia	10%		0.5m	QR021.04
	Triodia schinzii	50%		0.6m	QR072.03
	Triodia secunda	4%		<0.1m	QR009.05

Quantum Flora 2 Site QR073

Described CS **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Dolichandrone heterophylla scattered low trees over Hakea lorea subsp. lorea scattered tall shrubs over Acacia stellaticeps scattered shrubs over Triodia schinzii hummock grasslands over Aristida holathera var. latifolia scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare ground: 20%
 Litter cover: 1% Twigs, 1% Lvs.
 Disturbance type: Nearby road.
 Dog/dingo sighted, rubbish.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia coleii var. coleii	+		<1m	QR039.06	
	Acacia stellaticeps	2%		1.5m	QR009.02	
	Aristida holathera var. latifolia	1%		0.4m	QR072.02	
	Bonamia rosea	+		0.3m	QR063.02	
	Chrysopogon fallax	+		0.4m	QR073.09	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Dolichandrone heterophylla	2%		0.3m	QR073.10	
	Dolichandrone heterophylla	+		5m	QR073.10	
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.4m	QR073.03	
	Eriachne obtusa	+		0.4m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CR	QR050.05	
	Hakea lorea subsp. lorea	1%		<3m	QR016.07	
	Hybanthus aurantiacus	+		0.35m	QR021.08	
	Indigofera monophylla	+		0.4m	NC	
	Mollugo molluginea	+		0.3m	QR021.10	
	Pluchea tetranthera	+		0.45m	QR049.01	
	Polymeria calycina	+		CR	QR073.05	
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08	
	Ptilotus polystachyus var. arthrotrichus	+		0.15m	QR073.02	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.4m	QR073.11	
	Sida billbarkeri				QR073.09B	
	Sida billbarkeri	+		CR	QR073.01	
	Sida billbarkeri	+		0.3m	QR073.06	
	Sida billbarkeri				QR073.05B	
	Sida rohlenae subsp. rohlenae	+		CR	QR073.08	
	Solanum cleistogamum	+		0.3m	QR073.04	
	Solanum diversiflorum	+		0.3m	QR004.06	
	Solanum phlomoides	+		0.3m	QR073.07	
	Triodia schinzii	40%		<1.5m	QR009.14	

Quantum Flora 2 Site QR074

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN
Habitat Drainage Line.
Soil Light orange, yellow sand, with many small pebbles and alluvial wash.
Rock Calcrete; silicates and ironstone.
Vegetation Melaleuca argentea, Acacia trachycarpa and Acacia ampliceps high shrubland over Gymnanthera cunninghamii, Pluchea ferdinandi-muelleri and Adriana urticoides var. urticoides scattered shrubs over Triodia epactia and Triodia secunda open hummock grassland over *Cenchrus ciliaris, Eriachne obtusa and Aristida holathera var. latifolia very open tussock grassland.
Veg Very Good.
Fire Old to Very Old.
Note Bareground: 80%
Litter cover: + Logs, + Twigs, 2% Lvs.
Disturbance type: Erosion.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	5%		2m	QR001.11	
	Acacia colei var. colei	+		2m	QR039.06	
	Acacia trachycarpa	3%		3m	QR074.04	
	Adriana urticoides var. urticoides	1%		1.2m	QR074.07	
	Aristida holathera var. latifolia	+		0.5m	QR072.02	
	Aristida holathera var. latifolia	1%		0.6m	QR072.02	
	Cajanus cinereus	+		0.5m	QR074.06	
	Cassyltha capillaris	+		CL	QR021.05	
	Cenchrus ciliaris	2%		0.5m	QR010.01	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Crotalaria cunninghamii	+		2m	QR074.08	
	Eriachne obtusa	2%		0.3m	QR010.06	
	Eucalyptus victrix	+		1-6m	QR077.01	op
	Gymnanthera cunninghamii	1%		1.5m	QR074.03	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Ipomoea muelleri	+		CL	QR027.02	
	Melaleuca argentea	12%		1-5m	NC	
	Phyllanthus maderaspatensis	+		0.2m	QR074.11	
	Pluchea ferdinandi-muelleri	2%		1m	QR074.01	
	Pluchea rubelliflora	+		0.3m	QR115.23	
	Pluchea tetranthera	+		0.3m	QR074.05	
	Pluchea tetranthera	+		0.5m	QR049.01	
	Solanum cleistogamum	+		0.2m	QR021.17	
	Stemodia grossa	+		0.3m	QR023.05	
	Stemodia grossa	+		0.2m	QR074.02	
	Tephrosia sp. B Kimberley Flora (C.A. Gardner 7300)	+		1m	QR074.09	
	Tricoryne corynothecoides	+		0.2m	QR074.10	
	Triodia epactia	20%		0.6m	QR021.04	
	Triodia schinzii	+		0.6m	QR009.14	
	Triodia secunda	1%		<0.2m	QR009.05	
	Yakirra australiensis var. australiensis	+		0.2m	QR009.08	

Quantum Flora 2 Site QR075

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Flood Plain.

Soil Orange sandy loam.

Rock

Vegetation Eucalyptus victrix low woodland over Acacia ampliceps and Acacia trachycarpa open shrubland over Acacia stellaticeps and Pluchea ferdinandi-muelleri low open shrubland over Triodia schinzii and Triodia epactia open hummock grassland over *Cenchrus ciliaris and Aristida holathera var. latifolia open tussock grassland.

Veg Good.

Fire Old.

Note Bare Ground: 15%

Litter cover: 1% Logs, 1% Twigs, 5% Lvs.

Disturbance type: Old well, mustering yard, rubbish, tracks, weeds.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Abutilon otocarpum	+	0.3m	QR069.16	
	Acacia ampliceps	5%	1-3m	QR001.11	
	Acacia stellaticeps	5%	0.5-1m	QR009.02	
	Acacia trachycarpa	5%	1-3m	QR029.11	
	Aerva javanica	+	0.6m	QR010.02	
	Aristida holathera var. latifolia	1%	0.6m	QR010.19	
	Bonamia media var. media	+	CL	QR053.03	
	Cassytha capillaris	+	CL	QR021.05	
	Cenchrus ciliaris	30%	0.5m	QR010.01	
	Corchorus aff. incanus	4%	0.6m	QR010.11	
	Crotalaria ramosissima	+	0.3m	QR075.07	
	Dactyloctenium radulans	+	<0.1m	QR112.02	
	Eragrostis aff. eriopoda (WAS site 963)	2%	0.5m	QR010.04	
	Eriachne obtusa	+	0.3m	QR010.06	
	Eucalyptus victrix	27%	8-10m	QR077.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR050.05	
	Gomphrena canescens subsp. canescens	+	0.1m	QR001.01	
	Goodenia forrestii	+	<0.1m	QR075.03	
	Hybanthus aurantiacus	+	0.2m	QR021.08	
	Indigofera linifolia	+	<0.1m	QR075.06	
	Indigofera monophylla	+	0.5m	NC	
	Pluchea ferdinandi-muelleri	1%	1m	QR075.01	
	Pluchea tetranthera	+	1m	QR049.01	
	Ptilotus polystachyus var. arthrotrichus	+	0.3m	QR021.14	
	Senna artemisioides subsp. oligophylla x helmsii	+	1.5m	QR121.03	
	Sida aff. fibulifera (HD12-39)	+	<0.1m	NC	
	Sida rohlenae subsp. rohlenae	+	<0.2m	QR021.09	
	Solanum cleistogamum	+	0.2m	QR021.17	
	Trianthema triquetra var. triquetra	+	<0.1m	QR075.02	
	Triodia epactia	20%	0.5m	QR021.04	
	Triodia schinzii	4%	0.6m	QR009.14	
	Triumfetta aff. chaetocarpa (PAN3/4)	+	0.2m	QR064.05	

Quantum Flora 2 Site QR076

Described TE **Date** 10/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex flood plain.

Soil Orange sand, with a clay loamy crust.

Rock

Vegetation Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia epactia and Triodia secunda hummock grassland over Eriachne obtusa scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 20%
 Litter cover: + Logs, + Twigs, 5% Lvs.
 Disturbance type: Power lines, gas nearby, tracks in site.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	+		1m	QR001.11	op
	Acacia coleii var. coleii	+		0.5m	QR039.06	
	Acacia stellaticeps	4%		0.5m	QR009.02	
	Aristida holathera var. latifolia	+		0.4m	QR072.02	
	Cassylia capillaris	+		CL	QR021.05	
	Chrysopogon fallax	+		0.2m	QR021.01	
	Corchorus aff. incanus	+		0.4m	QR010.11	
	Cyperus blakeanus	+		0.1m	QR057.10	
	Eriachne obtusa	2%		0.3m	QR076.01	
	Eucalyptus victrix	+		2m	QR077.01	op
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Pluchea tetranthera	1%		0.5m	QR049.01	
	Solanum cleistogamum	+		0.5m	QR076.02	
	Triodia epactia	60%		0.6m	QR021.04	
	Triodia schinzii	+		0.6m	QR009.14	
	Triodia secunda	10%		<0.2m	QR009.05	

Quantum Flora 2 Site QR077

Described CS **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light brown, orange sand.

Rock

Vegetation Acacia stellaticeps low open shrubland over Triodia epactia, Triodia secunda and Triodia schinzii hummock grassland over Aristida holathera var. latifolia and Eriachne obtusa scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 25%
Litter cover: 1% Twigs, 1% Lvs.
Disturbance type: Nearby major road and rail.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	5%		0.5m	QR009.02	
	Aristida holathera var. latifolia	1%		0.4m	QR072.02	
	Carissa lanceolata	+		1.5m	QR087.17	
	Cassytha capillaris	+		CL	QR021.05	
	Chrysopogon fallax	+		1m	QR021.01	
	Commelina ensifolia	+		0.25m	QR021.03	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Cyperus blakeanus	+		0.1m	QR056.06	
	Cyperus blakeanus	+		0.3m	QR025.04	
	Dodonaea coriacea	+		0.4m	QR077.03	
	Eriachne obtusa	+		0.3m	QR010.06	
	Eriachne obtusa	1%		0.4m	QR077.04	
	Eucalyptus victrix	+		2m	QR077.01	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Hakea lorea subsp. lorea	+		2m	QR016.07	
	Hybanthus aurantiacus	+		0.25m	QR021.08	
	Mollugo molluginea	+		0.25m	QR021.10	
	Mollugo molluginea	+		0.2m	QR077.02	
	Pluchea tetranthera	+		0.4m	QR049.01	
	Ptilotus fusiformis var. fusiformis	+		0.4m	QR087.16	
	Solanum cleistogamum	+		0.4m	QR021.17	
	Triodia epactia	40%		0.5m	QR021.04	
	Triodia schinzii	10%		0.5m	QR009.14	
	Triodia secunda	15%		0.2m	QR009.05	

Quantum Flora 2 Site QR078

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Spinifex Plain.

Soil Orange sandy loam with cryptogram algae on the surface.

Rock

Vegetation Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia epactia, Triodia schinzii and Triodia secunda hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 20%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Nearby track (20m away); rubbish.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	+		1m	QR039.06
	Acacia stellaticeps	5%		0.6m	QR009.02
	Chrysopogon fallax	+		0.3m	QR078.01
	Eriachne obtusa	+		0.2m	QR010.06
	Eucalyptus victrix	+		1.5m	QR077.01
	Pluchea tetranthera	1%		0.5m	QR049.01
	Triodia epactia	40%		0.5m	QR021.04
	Triodia schinzii	15%		0.5m	QR009.14
	Triodia secunda	5%		<0.2m	QR009.05

Quantum Flora 2 Site QR079

Described CS **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain.

Soil Red, light brown sandy loam.

Rock

Vegetation Melaleuca lasiandra, Corymbia flavescens and Acacia sericophylla low open woodland over Acacia colei var. colei and Acacia stellaticeps closed heath over Carissa lanceolata low scattered shrubs over Triodia schinzii and Triodia epactia open hummock grassland over *Cenchrus ciliaris, Cyperus blakeanus and Eriachne obtusa very open tussock grassland.

Veg Excellent.

Fire Old.

Note Bareground: 5%
Litter cover: + Logs, 5% Twigs, 8% Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	10%	<2m	QR087.12
	Acacia sericophylla	1%	3m	QR124.02A
	Acacia stellaticeps	90%	<1.5m	QR009.02
	Carissa lanceolata	5%	1m	QR087.17
	Cenchrus ciliaris	2%	0.4m	QR010.01
	Corchorus aff. incanus	+	0.6m	QR010.11
	Corymbia flavescens	10%	<2m	QR069.01
	Cyperus blakeanus	1%	0.4m	QR057.10
	Dysphania rhadinostachya subsp. rhadinostachya	+	0.15m	NC
	Ehretia saligna	+	2m	QR079.03
	Eragrostis aff. eriopoda (WAS site 963)	1%	0.4m	QR079.01
	Eriachne obtusa	1%	0.4m	QR010.06
	Euphorbia aff. coghlanii (QR55-07)	+	0.2m	QR055.07
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR010.05
	Hybanthus aurantiacus	+	0.3m	QR021.08
	Melaleuca lasiandra	4%	3m	QR031.14
	Mollugo molluginea	+	0.2m	QR021.10
	Mukia maderaspatana	+	CR	QR001.09
	Pluchea tetranthera	+	0.3m	QR049.01
	Sida billbarkeri	+	0.3m	QR079.02
	Sida pilbarensis (ferruginous form)	+	0.5m	QR061.01
	Solanum cleistogamum	+	0.2m	QR021.17
	Triodia epactia	10%	<1m	QR021.04
	Triodia schinzii	5%	<1.2m	QR009.14

Quantum Flora 2 Site QR080

Described CS **Date** 11/09/2005 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain - slight depression.

Soil Light orange sandy loam.

Rock Limestone.

Vegetation Corymbia flavescens low woodland over Acacia colei var. colei high shrubland over Acacia stellaticeps low scattered shrubs over Triodia epactia open hummock grassland over Eriachne obtusa and Cyperus blakeanus scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 30%
 Litter cover: 2% Logs, 1% Twigs, 20% Lvs.
 Disturbance type: Nearby tracks.
 Kangaroo tacks; site surround by low Acacia shrubland over Triodia; Euc vic outside plot.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	40%		2-3m	QR087.12	
	Acacia stellaticeps	1%		0.5-1m	QR009.02	
	Aristida holathera var. latifolia	+		0.3m	QR072.02	
	Carissa lanceolata	+		1m	QR087.17	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Corymbia flavescens	20%		1.3m	QR069.10	
	Cyperus blakeanus	1%		0.2m	QR080.01	
	Eriachne obtusa	10%		0.4m	QR010.06	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Goodenia lamprosperma	1%		0.1m	QR069.15	
	Hakea lorea subsp. lorea	+		2m	QR016.07	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Pluchea tetranthera	+		0.6m	QR049.01	
	Sida pilbarensis (ferruginous form)	+		0.2m	QR061.01	
	Solanum cleistogamum	+		0.2m	QR021.17	
	Triodia epactia	15%		1m	QR021.04	
	Waltheria indica	1%		0.4m	QR063.03	

Quantum Flora 2 Site QR081

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Drainage line - subtle.

Soil Orange brown sandy, with scattered shells and little clay; alluvial washed.

Rock

Vegetation Eucalyptus victrix scattered low trees over Acacia trachycarpa, Melaleuca argentea, Acacia colei var. colei, Acacia tumida var. pilbarensis and Adriana urticoides high open shrubland over Crotalaria cunninghamii scattered shrubs over Triodia schinzii and Triodia epactia open hummock grassland.

Veg Excellent.

Fire Old to Very Old.

Note Aspect: South-East
 Bare Ground: 75%
 Litter cover: + Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Tracks in creek bed; sign; flooding.
 Number of dead shrubs and trees.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	+		0.6m	QR001.11	
	Acacia colei var. colei	1%		2m	QR039.06	
	Acacia stellaticeps	1%		0.5m	QR009.02	
	Acacia trachycarpa	20%		2-3m	QR029.11	
	Acacia trachycarpa	+		<0.2m	QR029.11	
	Acacia tumida var. pilbarensis	1%		3m	QR034.02	
	Adriana urticoides	1%		2m	QR081.01	
	Aristida holathera var. latifolia	1%		0.2m	QR010.19	
	Bonamia media var. media	+		<0.1m	QR081.04	
	Calandrinia quadrivalvis	+		<0.1m	QR087.02	
	Cassytha capillaris	+		CL	QR021.05	
	Cleome uncifera subsp. uncifera	+		0.2m	QR081.03	
	Corchorus aff. incanus	+		0.6m	QR010.11	
	Crotalaria cunninghamii	1%		1.5m	QR081.05	
	Cynanchum sp. (MET 15,151)	+		0.3m	QR081.19	
	Cynanchum sp. (MET 15,151)	+		CL	QR081.11	
	Dactyloctenium radulans	+		<0.1m	QR112.02	
	Dodonaea coriacea	2%		1.5m	QR051.03	
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.5m	QR010.04	
	Eragrostis speciosa	+		0.5m	QR081.16	
	Eragrostis speciosa				QR081.09B	
	Eriachne obtusa	+		0.2m	QR010.06	
	Eucalyptus victrix	2%		0.5-6m	QR077.01	
	Euphorbia australis	+		<0.1m	QR081.14	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05	
	Heliotropium sp.	+		0.3m	QR081.06	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Melaleuca argentea	5%		2-3m	NC	
	Merremia davenportii	+		<0.1m	QR081.20	
	Mollugo molluginea	+		0.2m	QR021.10	
	Paspalidium rarum	+		<0.1m	QR081.09A	
	Phyllanthus maderaspatensis	+		1m	QR081.17	
	Phyllanthus maderaspatensis	+		1m	QR081.15	
	Pluchea tetranthera	+		0.5m	QR049.01	

<i>Pterocaulon sphacelatum</i>	+	0.2m	QR081.13
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>	+	0.2m	QR081.07
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>	+	0.3m	QR021.14
<i>Senna notabilis</i>	+	0.2m	QR024.09
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)	+	<0.1m	QR081.12
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+	0.2m	QR121.06
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)	+	1m	QR074.09
<i>Tinospora smilacina</i>	+	<0.1m	QR081.10
<i>Tricoryne corynothecoides</i>	+	0.3m	QR010.08
<i>Triodia epactia</i>	1%	0.5m	QR081.02
<i>Triodia epactia</i>	+	0.6m	QR081.08
<i>Triodia epactia</i>	15%	0.5m	QR021.04
<i>Triodia schinzii</i>	2%	0.6m	QR009.14
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)	+	0.4m	QR064.05
<i>Wahlenbergia tumidifruca</i>	+	0.1m	QR081.18
<i>Waltheria indica</i>	+	0.4m	QR063.03

Quantum Flora 2 Site QR082

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Spinifex Plain.

Soil Orange Brown sandy loam; Cryptogram surface.

Rock

Vegetation Acacia stellaticeps low scattered shrubs over Triodia epactia and Triodia secunda hummock grassland.

Veg Very Good.

Fire Old.

Note Litter cover: + Logs,+ Twigs, + Lvs.
 Disturbance type: Near power line track; old track in plot.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	2%		0.5m	QR009.02	
	Chrysopogon fallax	+		0.5m	QR021.01	
	Dodonaea coriacea	+		0.6m	QR051.03	
	Eriachne obtusa	+		0.3m	QR010.06	
	Fimbristylis dichotoma	(+)		<0.1m	QR060.03	
	Pluchea tetranthera	+		0.4m	QR049.01	
	Triodia epactia	60%		0.6m	QR021.04	
	Triodia secunda	10%		0.2m	QR009.05	

Quantum Flora 2 Site QR083

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat

Soil Fine orange sandy loam with a crytogram surface with very fine iron stones.

Rock

Vegetation Dodonaea coriacea low open shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Nearby drain track.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia stellaticeps	+		0.5m	QR009.02
	Bulbostylis barbata	(+)		<0.1m	QR114.11
	Cassytha capillaris	(+)		CL	QR021.05
	Dodonaea coriacea	10%		0.5-0.7m	QR051.03
	Eriachne obtusa	+		<0.1m	QR043.02
	Eucalyptus victrix	+		1m	QR083.01
	Fimbristylis dichotoma	(+)		<0.1m	QR060.03
	Triodia epactia	60%		0.6m	QR021.04

Quantum Flora 2 Site QR084

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Spinifex Plain.

Soil Orange sandy loam with tiny ironstones and crytogram algae surface.

Rock Ironstone.

Vegetation Triodia secunda and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 35%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Track Nearby.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	+		2-3m	QR039.06	op
	Acacia stellaticeps	+		0.5m	QR009.02	op
	Fimbristylis dichotoma	(+)		<0.1m	QR060.03	
	Triodia epactia	2%		0.5m	QR021.04	
	Triodia longiceps	+		0.5m	QR084.01	
	Triodia secunda	60%		0.5m	QR009.05	

Quantum Flora 2 Site QR085

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Red-brown loam.

Rock

Vegetation Corymbia flavescens low open woodland over Grevillea pyramidalis subsp. pyramidalis and Acacia tumida var. pilbarensis and Acacia colei var. colei high shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland over *Cenchrus ciliaris and Aristida holathera var. latifolia scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Bare Ground: 5%
Litter cover: 2% Logs, 2% Twigs, 10% Lvs.
Kangaroo tracks.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	22%		2m	QR026.01A
	Acacia sericophylla	+		2m	QR085.09
	Acacia sericophylla	+		0.5m	QR085.02
	Acacia stellaticeps	20%		<0.6m	QR009.02
	Acacia tumida var. pilbarensis	2%		2m	QR034.02
	Achyranthes aspera	+		0.6m	QR085.08
	Aristida holathera var. latifolia	1%		0.4m	QR010.19
	Aristida holathera var. latifolia	+		0.8m	QR085.06
	Bonamia media var. media	+		CR	QR085.05
	Carissa lanceolata	+		1-2m	QR087.17
	Cassutha capillaris	+		CL	QR021.05
	Cenchrus ciliaris	1%		0.4m	QR010.01
	Chrysopogon fallax	+		1m	QR021.01
	Corchorus aff. incanus	2%		0.6m	QR010.11
	Corymbia flavescens	10%		2.5m	QR069.01
	Ehretia saligna	+		<3m	QR085.03
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR010.04
	Eriachne obtusa	+		0.3m	QR010.06
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07
	Grevillea pyramidalis subsp. pyramidalis	1%		3m	QR085.01
	Hybanthus aurantiacus	+		0.4m	QR021.08
	Indigofera monophylla	+		0.4m	NC
	Mollugo molluginea	+		0.2m	QR021.10
	Mukia maderaspatana	+		CL	QR085.07
	Paspalidium rarum	+		0.1m	QR087.14
	Pluchea tetranthera	+		0.2m	QR049.01
	Senna notabilis	+		0.5m	QR024.09
	Sida pilbarensis (ferruginous form)	+		0.4m	QR085.04
	Sida rohlenae subsp. rohlenae	+		0.2m	QR121.06
	Triodia epactia	40%		0.5m	QR021.04
	Waltheria indica	+		0.4m	QR063.03
	Yakirra australiensis var. australiensis	+		0.2m	QR009.08

Quantum Flora 2 Site QR086

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Spinifex Plain.

Soil Orange sandy loam.

Rock

Vegetation Acacia stellaticeps low shrubland over Triodia epactia, Triodia schinzii and Triodia secunda hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 30%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Nearby powerlines, track.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	+		1m	QR026.01A
	Acacia stellaticeps	30%		0.6m	QR009.02
	Cassytha capillaris	+		CL	QR021.05
	Dodonaea coriacea	+		0.3m	QR051.03
	Eriachne obtusa	+		0.1m	QR010.06
	Fimbristylis dichotoma	(+)		<0.1m	QR060.03
	Pluchea tetranthera	+		0.5m	QR049.01
	Triodia epactia	+		0.5m	QR081.02
	Triodia epactia	50%		0.6m	QR086.01
	Triodia schinzii	10%		0.6m	QR009.14
	Triodia secunda	5%		<0.2m	QR009.05
	Yakirra australiensis var. australiensis	+		<0.1m	QR009.08 op

Quantum Flora 2 Site QR087

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Drainage Line.

Soil Light orange tanned sand with some clay and pebbles and cobbles.

Rock Chert, silica, ironstone and limestone.

Vegetation Eucalyptus victrix and Ehretia saligna low open woodland over Melaleuca argentea, Acacia trachycarpa, Acacia colei var. colei and Acacia tumida var. pilbarensis high shrubland over Adriana urticoides and Dodonaea coriacea scattered shrubs over Acacia stellaticeps low scattered shrubs over Triodia epactia hummock grassland over Eulalia aurea and Eragrostis speciosa very open tussock grassland.

Veg Very Good.

Fire Old.

Note Aspect: North-west
 Bare Ground: 70%
 Litter cover: + Logs, + Twigs, 5% Lvs.
 Disturbance type: Tracks, fence, cattle.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x trachycarpa	+		1.5m	QR087.23	
	Acacia colei var. colei	2%		2-3m	QR087.12	
	Acacia stellaticeps	1%		0.6m	QR009.02	
	Acacia trachycarpa	3%		1.5-2m	QR029.11	
	Acacia tumida var. pilbarensis	10%		2-3m	QR021.02	
	Adriana urticoides	1%		1.5m	QR081.01	
	Aeschynomene indica	+		1m	QN75.26	
	Aristida holathera var. latifolia	+		0.3m	QR072.02	
	Bonamia linearis	+		CL	QR087.19	
	Bonamia media var. media	+		0.2m	QR069.10	
	Cajanus cinereus	+		0.3m	QR087.22	
	Calandrinia quadrivalvis	1%		<0.1m	QR087.02	
	Carissa lanceolata	+		1.5m	QR087.17	
	Cassytha capillaris			CL	QR021.05	
	Chrysopogon fallax	+		0.5m	QR021.01	
	Cleome viscosa	+		0.3m	NC	
	Cleome viscosa	+		0.3m	NC	
	Commelina ensifolia	+		0.1m	QR021.03	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Crotalaria cunninghamii	+		0.3m	QR081.05	
	Crotalaria ramosissima	+		0.1m	QR087.07	
	Cyperus blakeanus	+		0.6m	QR087.01	
	Cyperus squarrosus	2%		<0.1m	QR087.03	
	Desmodium filiforme	+		CL	QR087.04	
	Digitaria ciliaris	+		<0.1m	QR087.21	
	Dodonaea coriacea	1%		1-1.5m	QR051.03	
	Ehretia saligna var. saligna	1%		0.5-5m	QR087.20	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.5m	QR010.04	
	Eragrostis cumingii	+		<0.1m	QR087.05	
	Eragrostis speciosa	1%		0.6m	QR087.11	
	Eriachne obtusa	+		0.3m	QR010.06	
	Eriachne sp. Port Hedland	+		0.3m	QR087.13	
	Eucalyptus victrix	8%		3-10m	QR077.01	

<i>Eulalia aurea</i>	3%	0.6m	QR024.01
<i>Fimbristylis rara</i>	1%	<0.1m	QR087.08
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	+	0.3m	QR087.24
<i>Goodenia lamprosperma</i>	+	0.1m	QR069.15
<i>Heliotropium</i> sp.	+	0.2m	QR081.06
<i>Hybanthus aurantiacus</i>	+	0.3m	QR021.08
<i>Ipomoea muelleri</i>	+	CL	QR027.02
<i>Lipocarpa microcephala</i>	1%	<0.1m	QR087.06
<i>Marsilea hirsuta</i>	+	<0.1m	QR115.14
<i>Melaleuca argentea</i>	10%	2-3m	NC
<i>Paspalidium rarum</i>	+	0.3m	QR087.14
<i>Paspalidium rarum</i>	+	<0.1m	QR087.14
<i>Phyllanthus exilis</i>	+	0.1m	QR087.15
<i>Phyllanthus maderaspatensis</i>	+	0.6m	QR087.10
<i>Pluchea tetranthera</i>	+	0.5m	QR049.01
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>	+	0.1m	QR087.16
<i>Schizachyrium fragile</i>	+	0.1m	QR087.18
<i>Senna notabilis</i>	+	0.3m	QR024.09
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+	0.3m	QR121.06
<i>Tinospora smilacina</i>	+	CL	QR081.10
<i>Triodia epactia</i>	40%	0.6m	QR087.09
<i>Triodia secunda</i>	+	<0.2m	QR009.05
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)	+	0.3m	QR064.05
<i>Waltheria indica</i>	+	0.3m	QR063.03
<i>Yakirra australiensis</i> var. <i>australiensis</i>	+	0.2m	QR009.08

Quantum Flora 2 Site QR088

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange brown sand.

Rock

Vegetation Corymbia zygophylla and Corymbia flavescens scattered low trees over Acacia colei var. colei and Acacia tumida var. pilbarensis high shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland over Paraneurachne muelleri and *Cenchrus ciliaris very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, 2% Twigs, 1% Lvs.
 Disturbance type: Nearby Power plant; cable through plot.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	1%		2-3m	QR026.01A
	Acacia sericophylla	+		2m	QR124.02A
	Acacia stellaticeps	30%		0.5-1m	QR009.02
	Acacia tumida var. pilbarensis	15%		2-3m	QR021.02
	Aristida holathera var. latifolia	+		0.5m	QR085.06
	Aristida holathera var. latifolia	+		0.4m	QR010.19
	Bonamia media var. media	+		CL	QR053.03
	Bonamia rosea	+		0.3m	QR063.02
	Carissa lanceolata	+		0.3m	QR087.17
	Cenchrus ciliaris	2.5%		0.5m	QR010.01
	Chrysopogon fallax	+		0.5m	QR021.01
	Corchorus aff. incanus	+		0.6m	QR010.11
	Corymbia flavescens	+		2-3m	QR069.01
	Corymbia zygophylla	2%		4-5m	QR088.01
	Dolichandrone heterophylla	+		1m	QR073.10
	Eragrostis aff. eriopoda (WAS site 963)			0.4m	QR010.04
	Eriachne obtusa	+		0.3m	QR010.06
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07
	Grevillea pyramidalis subsp. leucadendron	+		1.2m	QR070.06
	Hybanthus aurantiacus	+		0.4m	QR021.08
	Mukia maderaspatana	+		CL	QR001.09
	Paraneurachne muelleri	3%		0.3m	QR063.04
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08
	Sida rohlenae subsp. rohlenae	+		0.2m	QR121.06
	Solanum cleistogamum	+		0.5m	QR021.17
	Triodia epactia	45%		0.6m	QR021.04
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.3m	QR064.05
	Waltheria indica	+		0.6m	QR063.03

Quantum Flora 2 Site QR089

Described CS **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Orange, brown sand.

Rock

Vegetation Acacia colei var. colei open shrubland over Acacia stellaticeps low open heath over Triodia schinzii and Triodia epactia open hummock grassland over Aristida holathera var. latifolia and Chrysopogon fallax scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 15%
 Litter cover: 1% Twigs, 3% Lvs.
 Disturbance type: Tracks and Substation nearby.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia colei var. colei	3%	1.5-2m	QR087.12
	Acacia stellaticeps	65%	0.5-1m	QR009.02
	Aristida holathera var. latifolia	1%	0.4m	QR010.19
	Bonamia linearis	+	CL	QR024.02
	Bonamia media var. media	+	CL	QR069.10
	Bonamia rosea	+	0.4m	QR063.02
	Chrysopogon fallax	+	1m	QR021.01
	Chrysopogon fallax	1%	0.7m	QR089.01
	Corchorus aff. incanus	+	0.4m	QR010.11
	Eriachne helmsii	+	0.4m	QR090.01
	Eriachne obtusa	+	0.3m	QR010.06
	Hybanthus aurantiacus	+	0.3m	QR021.08
	Indigofera monophylla	+	0.5m	NC
	Ptilotus astrolasius var. astrolasius	+	0.5m	QR028.08
	Triodia epactia	25%	<1m	QR089.02
	Triodia schinzii	3%	1m	QR009.14
	Triumfetta aff. chaetocarpa (PAN3/4)	+	0.3m	QR064.05

Quantum Flora 2 Site QR090

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange sandy loam.

Rock

Vegetation Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old to Very Old.

Note Bare Ground: 40%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Old fence line; tracks; cow poo.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	+		1m	QR026.01A
	Acacia inaequilatera	+		3m	QR090.02
	Acacia inaequilatera				QR090.04
	Acacia sericophylla	+		2m	QR124.02A op
	Acacia stellaticeps	25%		0.5-1m	QR009.02
	Acacia tumida var. pilbarensis	8%		1-2m	QR034.02
	Aristida holathera var. latifolia	+		0.3m	QR072.02
	Chrysopogon fallax	+		0.1m	QR090.03
	Chrysopogon fallax	+		0.5m	QR021.01
	Corchorus aff. incanus	3%		0.5m	QR010.11
	Corymbia flavescens	+		3m	QR069.01 op
	Eriachne helmsii	5%		0.5m	QR090.01
	Eriachne obtusa	+		0.3m	QR010.06
	Indigofera monophylla	+		0.5m	NC
	Mollugo molluginea	+		0.2m	QR021.10
	Pluchea tetranthera	+		0.3m	QR049.01
	Senna notabilis	+		0.5m	QR024.09
	Triodia epactia	40%		0.8m	QR021.04

Quantum Flora 2 Site QR091

Described CS **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Plain.

Soil Red brown loam.

Rock

Vegetation *Corymbia flavescens* and *Hakea lorea* subsp. *lorea* scattered low trees over *Acacia colei* var. *colei* and *Acacia tumida* var. *pilbarensis* high shrubland over *Acacia stellaticeps* low shrubland over *Triodia epactia* and *Triodia schinzii* hummock grassland over *Aristida holathera* var. *latifolia* scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 20%
 Litter cover: + Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Old fence line through plot.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	<i>Acacia colei</i> var. <i>colei</i>	5%		<3m	QR087.12	
	<i>Acacia inaequilatera</i>	1%		3m	QR090.02	
	<i>Acacia stellaticeps</i>	20%		0.5-1m	QR009.02	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	10%		2-3m	QR034.02	
	<i>Aristida holathera</i> var. <i>latifolia</i>	1%		0.3m	QR010.19	
	<i>Bonamia linearis</i>	+		CL	QR091.01	
	<i>Corchorus</i> aff. <i>incanus</i>	1%		0.5m	QR010.11	
	<i>Corymbia flavescens</i>	1%		2-3m	QR069.01	
	<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)	+		0.4m	QR010.04	
	<i>Eragrostis cumingii</i>	(1%)		0.2m	QR115.13	
	<i>Eriachne obtusa</i>	(+)		0.1m	QR010.06	
	<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)	+		CR	QR050.05	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	1%		3m	QR016.07	
	<i>Hybanthus aurantiacus</i>	+		0.4m	QR021.08	
	<i>Leptosema anomalum</i>	+		0.25m	QR091.02	
	<i>Pluchea tetranthera</i>	+		0.4m	QR049.01	
	<i>Triodia epactia</i>	60%		1m	QR021.04	
	<i>Triodia schinzii</i>	1%		1.2m	QR009.14	

Quantum Flora 2 Site QR092

Described CS **Date** 14/05/2008 **Type** Q 100x25m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Drainage Line.

Soil Red brown loamy clay - hard clay pieces on surface.

Rock Quartz and Ironstone.

Vegetation Eucalyptus victrix low open woodland over Acacia tumida var. pilbarensis, Acacia trachycarpa and Acacia ampliceps shrubland over Acacia colei var. colei, Acacia stellaticeps and Dodonaea coriacea low open shrubland over Triodia epactia open hummock grassland over Paspalidium rarum and Aristida holathera var. latifolia scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Nearby track; cow poo.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ampliceps	3%		1-3m	QR001.11	
	Acacia colei var. colei	1%		1.5m	QR087.12	
	Acacia stellaticeps	2%		0.5m	QR009.02	
	Acacia trachycarpa	10%		1-3m	QR029.11	
	Acacia tumida var. pilbarensis	10%		2-3m	QR034.02	
	Aeschynomene indica	+		1m	QN75.26	
	Alternanthera angustifolia	+		0.4m	QR092.08	
	Aristida holathera var. latifolia	1%		0.4m	QR072.02	
	Boerhavia coccinea	+		CR	QR009.01	
	Bonamia media var. media	+		CR	QR021.11	
	Byblis liniflora	+		<0.3m	QR092.11	
	Calandrinia quadrivalvis	+		0.1m	QR087.02	
	Carissa lanceolata	+		0.4m	QR087.17	
	Cassytha capillaris	+		CL	QR021.05	
	Centipeda minima subsp. macrocephala	+		0.2m	QR092.05	
	Chrysopogon fallax	+		0.5m	QR021.01	
	Cleome viscosa	+		0.4m	NC	
	Corchorus aff. incanus	+		0.6m	QR010.11	
	Crotalaria cunninghamii	+		0.5m	QR010.10	
	Cyperus blakeanus	+		0.8m	QR056.06	
	Cyperus blakeanus	+		0.8m	QR044.02	
	Dodonaea coriacea	1%		0.5m	QR051.03	
	Eragrostis elongata	+		0.3m	QR092.03	
	Eragrostis speciosa	+		0.5m	QR092.14	
	Eriachne obtusa	+		0.4m	QR043.02	
	Eriachne obtusa	+		0.4m	QR010.06	
	Eucalyptus victrix	5%		6-8m	QR077.01	
	Euphorbia australis	+		0.1m	QR114.09	
	Euphorbia coghlanii	+		0.3m	QR092.02	
	Fimbristylis rara	+		0.4m	QR092.06	
	Goodenia lamprosperma	+		0.4m	QR092.15	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Ipomoea optica	+		CR	QR092.07	
	Ipomoea muelleri	+		CL	QR092.01	
	Mitrasacme connata	+		0.3m	QR092.13	

<i>Mukia maderaspatana</i>	+	CL	QR001.09
<i>Paspalidium rarum</i>	1%	0.3m	QR092.09
<i>Phyllanthus exilis</i>	+	0.1m	QR092.04
<i>Phyllanthus maderaspatensis</i>	+	0.5m	QR092.12
<i>Pluchea rubelliflora</i>	+	0.4m	QR092.10
<i>Pluchea tetranthera</i>	+	0.3m	QR049.01
<i>Senna notabilis</i>	+	0.2m	QR024.09
<i>Sida pilbarensis</i> (ferruginous form)	+	0.5m	QR061.01
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+	0.2m	QR121.06
<i>Suaeda arbusculoides</i>	+	0.2m	QR014.01
<i>Triodia epactia</i>	30%	0.5m	QR021.04
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)	+	0.4m	QR064.05
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)	+	0.5m	QR092.16
<i>Waltheria indica</i>	+	0.5m	QR063.03
<i>Yakirra australiensis</i> var. <i>australiensis</i>	+	0.2m	QR009.08

Quantum Flora 2 Site QR093

Described TE **Date** 14/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA mE mN

Habitat Sand Plain.

Soil Light tan, orange, brown sand.

Rock Quartz and Ironstone.

Vegetation Triodia secunda and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 55%
 Litter cover: + Twigs, + Lvs.
 Disturbance type: Nearby road.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Dodonaea coriacea	+		0.4m	QR051.03
	Eriachne obtusa	+		<0.2m	QR043.02
	Triodia epactia	5%		0.55m	QR093.01
	Triodia secunda	40%		0.4m	QR009.05

Quantum Flora 2 Site QR094

Described TE **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain - slight undulation.

Soil Orange sandy loam.

Rock

Vegetation Acacia tumida var. pilbarensis, Hakea lorea subsp. lorea and Acacia sericophylla scattered shrubs over Acacia stellaticeps low open heath over Triodia epactia, Triodia secunda and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 35%
Litter Cover: + Logs, + Twigs, 3% Lvs.
Disturbance type: Cows.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia sericophylla	1%		1m	QR094.03
	Acacia stellaticeps	40%		0.5-0.8m	QR009.02
	Acacia tumida var. pilbarensis				QR034.02
	Corchorus aff. incanus	+		0.5m	QR010.11
	Hakea lorea subsp. lorea	+		1m	QR016.07
	Indigofera monophylla	+		0.4m	NC
	Pluchea tetranthera	+		0.6m	QR049.01
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08
	Sida pilbarensis (ferruginous form)	+		0.3m	QR061.01
	Tephrosia rosea var. venulosa	+		0.5m	QR094.02
	Triodia epactia	5%		0.6m	QR094.01
	Triodia epactia	30%		0.6m	QR021.04
	Triodia secunda	5%		0.2m	QR009.05

Quantum Flora 2 Site QR095

Described CS **Date** 12/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA **mE** **mN**

Habitat Sand Plain, slight rise.

Soil Light orange brown sand.

Rock

Vegetation Corymbia zygophylla, Acacia ancistrocarpa and Acacia tumida var. pilbarensis shrubland over Acacia stellaticeps low open heath over Triodia epactia and Triodia schinzii hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 25%
Litter cover: + Twigs, 1% Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	2%	1.8m	QR105.02
	Acacia colei var. colei	+	1.5m	QR087.12
	Acacia inaequilatera	2-3%	1-3m	QR090.02
	Acacia stellaticeps	40%	0.5-1m	QR009.02
	Acacia tumida var. pilbarensis	15%	1-2m	QR034.02
	Aristida holathera var. latifolia	(+)	0.2m	QR072.02
	Bonamia media var. media	+	CL	QR021.11
	Bonamia rosea	+	0.4m	QR063.02
	Corchorus aff. incanus	+	0.4m	QR010.11
	Corymbia zygophylla	2%	1m	QR088.01
	Evolvulus alsinoides var. villocalyx (grey form)	+	CL	QR050.05
	Hybanthus aurantiacus	+	0.3m	QR021.08
	Indigofera monophylla	+	0.1m	NC
	Leptosema anomalum	+	0.2m	QR095.02B
	Paraneurachne muelleri	(+)	0.2m	QR063.04
	Pluchea tetranthera	+	0.4m	QR049.01
	Pluchea tetranthera	+	0.6m	QR025.02
	Ptilotus astrolasius var. astrolasius	+	0.5m	QR028.08
	Sida pilbarensis (ferruginous form)	+	0.1m	QR061.01
	Triodia epactia	2%	0.4m	QR089.02
	Triodia epactia			QR095.02
	Triodia epactia	40%	0.6m	QR112.01
	Triodia schinzii	2%	1.2m	QR009.14
	Triumfetta aff. chaetocarpa (PAN3/4)	+	0.4m	QR095.01

Quantum Flora 2 Site QR096

Described TE **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange sand with small gravelly stones.

Rock

Vegetation Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 30%
 Litter cover: + Logs, + Twigs, 15% Lvs.
 Disturbance type: Cows; track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	+		1m	QR117.01	
	Acacia colei var. colei	+		1.5m	QR087.12	
	Acacia inaequilatera	+		1-2m	QR090.02	
	Acacia stellaticeps	15%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	1%		2m	QR034.02	
	Bonamia rosea	+		0.1m	QR063.02	op
	Carissa lanceolata	+		3m	QR087.17	op
	Chrysopogon fallax	+		0.2m	QR021.01	op
	Hakea lorea subsp. lorea	+		1m	QR016.07	
	Hybanthus aurantiacus	+		0.2m	QR021.08	
	Pluchea tetranthera	1%		0.6m	QR049.01	
	Ptilotus astrolasius var. astrolasius	+		0.1m	QR028.08	op
	Triodia epactia	45%		0.6m	QR096.01	

Quantum Flora 2 Site QR097

Described CS **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown soil.

Rock

Vegetation Acacia tumida var. pilbarensis and Acacia inaequilatera open shrubland over Acacia stellaticeps low open heath over Triodia epactia very open hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 20%
 Litter cover: + Logs, 1% Twigs, 3% Lvs.
 Disturbance type: Nearby road.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	+		0.8m	QR097.02	
	Acacia inaequilatera	2%		1-2m	QR090.02	
	Acacia sericophylla	+		0.4m	QR124.01	
	Acacia stellaticeps	60%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	10%		1.2m	QR034.02	
	Aristida holathera var. latifolia	(+)		0.1m	QR010.19	
	Corchorus aff. incanus	+		0.6m	QR010.11	
	Dolichandrone heterophylla	+		0.6m	QR073.10	
	Indigofera monophylla	+		0.3m	NC	
	Ptilotus astrolasius var. astrolasius	+		0.4m	QR028.08	
	Sida pilbarensis (ferruginous form)	+		0.2m	QR061.01	
	Triodia epactia	3%		0.4m	QR097.01	
	Triodia epactia	5%		0.6m	QR112.01	

Quantum Flora 2 Site QR098

Described CS **Date** 12/08/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain between two very low rises.

Soil Light orange, brown sand with some clay.

Rock

Vegetation Corymbia flavescens and Hakea lorea subsp. lorea scattered tall shrubs over Acacia stellaticeps and Pluchea tetranthera low open heath over Triodia epactia and Triodia epactia very open hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 30%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	50%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	+		0.5-1m	QR034.02	
	Cassutha capillaris	(+)		CL	QR021.05	
	Corymbia flavescens	1-2%		2-3m	QR069.01	
	Eragrostis aff. eriopoda (WAS site 963)	(+)		0.1m	QR010.04	
	Hakea lorea subsp. lorea	1%		2m	QR016.07	
	Pluchea tetranthera	1%		0.4m	QR049.01	
	Triodia epactia	5%		0.6m	QR021.04	
	Triodia lanigera	5%		0.4m	QR105.06	

Quantum Flora 2 Site QR099

Described TE **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange sandy loam.

Rock

Vegetation Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis and Acacia ancistrocarpa high shrubland over Triodia epactia and Triodia lanigera open hummock grassland.

Veg Very Good.

Fire Old to Very Old.

Note Bare Ground: 30%
 Litter cover: + Logs, + Twigs, 30% Lvs.
 Disturbance type: Signs of cows.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%	2m	QR105.02	
	Acacia inaequilatera	+	1m	QR090.02	
	Acacia sericophylla	1%	1m	QR099.01	
	Acacia stellaticeps	40%	1-1.5m	QR009.02	
	Acacia tumida var. pilbarensis	10%	2-3m	QR021.02	
	Carissa lanceolata	+	2m	QR087.17	op
	Corchorus aff. incanus	+	0.4m	QR010.11	
	Eragrostis speciosa	+(1%)	0.2m	QR087.11	
	Hybanthus aurantiacus	+	0.2m	QR021.08	
	Indigofera monophylla	+	0.2m	NC	
	Owenia reticulata	1%	1-2m	QR105.01	
	Paraneurachne muelleri	(+)	0.1m	QR063.04	
	Pluchea tetranthera	+	0.3m	QR049.01	
	Pluchea tetranthera	+	0.5m	QR025.02	
	Ptilotus astrolasius var. astrolasius	+	0.3m	QR028.08	
	Sida pilbarensis (ferruginous form)	+	0.6m	QR061.01	
	Triodia epactia	20%	0.6m	QR021.04	
	Triodia lanigera	5%	<0.3m	QR105.06	

Quantum Flora 2 Site QR100

Described CS **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain.

Soil Red brown sand.

Rock

Vegetation Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis, Acacia ancistrocarpa and Acacia inaequilatera high shrubland over Acacia sericophylla, Acacia pyrifolia and Acacia colei var. colei open shrubland over Acacia stellaticeps and Dolichandrone heterophylla low shrubland over Triodia epactia and Triodia lanigera hummock grassland over Aristida holathera var. latifolia very open tussock grassland.

Veg Excellent to Very Good.

Fire Old.

Note Bare Ground: 35%
Litter: 1% Logs, 3% Twigs, 8% Lvs.
Disturbance type: Nearby road.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	1%		2-3m	QR105.02
	Acacia colei var. colei	1%		1.5m	QR026.01A
	Acacia inaequilatera	8-10%		2-4m	QR090.02
	Acacia pyrifolia	4%		1.5m	QR0P05T
	Acacia sericophylla	3%		0.4-2m	QR100.01
	Acacia stellaticeps	30%		0.5-1m	QR009.02
	Acacia tumida var. pilbarensis	5%		2-3m	QR021.02
	Aristida holathera var. latifolia	5%		0.4m	QR010.19
	Bonamia rosea	+		0.5m	QR063.02
	Corymbia flavescens	+		3m	QR100.02
	Dolichandrone heterophylla	1%		0.8m	QR073.10
	Eriachne obtusa	(+)		0.2m	QR010.06
	Hybanthus aurantiacus	+		0.4m	QR021.08
	Indigofera monophylla	+		0.5m	NC
	Owenia reticulata	1%		6-7m	QR105.01
	Pimelea ammodarid	1%		0.5m	QR0P04T
	Pluchea tetranthera	+		0.5m	QR025.02
	Polymeria calycina	+		0.05m	QR100.04
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08
	Triodia epactia	25%		0.6m	QR112.01
	Triodia lanigera	15%		0.4m	QR105.06
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.25m	QR092.16
	Waltheria indica	+		0.3m	QR100.03

Quantum Flora 2 Site QR101

Described CS **Date** 12/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Grevillea pyramidalis subsp. pyramidalis and Acacia ancistrocarpa scattered tall shrubs over Acacia tumida var. pilbarensis and Acacia inaequilatera open shrubland over Acacia stellaticeps and Pimelea ammocharis low open heath over Triodia lanigera and Triodia epactia open hummock

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Track Nearby.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		2-3m	QR105.02	
	Acacia ancistrocarpa x stellaticeps	+		0.3m	QR117.01	
	Acacia inaequilatera	1%		1-2m	QR090.02	
	Acacia stellaticeps	40%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	4%		1-2m	QR021.02	
	Carissa lanceolata	+		0.4-2m	QR087.17	
	Dolichandrone heterophylla	+		1m	QR073.10	
	Eriachne benthamii	(+)		0.1m	QR069.04	
	Gossypium australe (Burrup Peninsula form)	+		0.8m	QR101.03	
	Grevillea pyramidalis subsp. pyramidalis	1%		<3m	QR101.02	
	Hakea lorea subsp. lorea				QR101.01	
	Indigofera monophylla	+		0.5m	NC	
	Pimelea ammocharis	1%		1m	QNQP04T	
	Pluchea tetranthera	+		0.5m	QR025.02	
	Ptilotus astrolasius var. astrolasius	+		0.4m	QR028.08	
	Triodia epactia	2%		0.6m	QR112.01	
	Triodia lanigera	20%		0.4m	QR105.06	

Quantum Flora 2 Site QR102

Described TE **Date** 11/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange/sandy loam.

Rock

Vegetation Acacia tumida var. pilbarensis and Acacia inaequilatera high open shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland over Eriachne obtusa and Chrysopogon fallax very open tussock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Track; water pipe.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia inaequilatera	1%		3m	QR090.02	
	Acacia sericophylla	+		3m	QR102.04	
	Acacia stellaticeps	35%		1m	QR009.02	
	Acacia tumida var. pilbarensis	3%		2-3m	QR102.02	
	Aristida holathera var. latifolia	+		0.3m	QR072.02	
	Aristida ingrata	+		0.5m	QR102.06	
	Chrysopogon fallax	2%		0.5m	QR021.01	
	Corchorus aff. incanus	1%		0.5m	QR010.11	
	Corymbia flavescens	+		3m	QR069.01	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QR010.04	
	Eriachne helmsii	+		0.5m	QR090.01	
	Eriachne obtusa	2%		0.5m	QR102.03	
	Hakea lorea subsp. lorea	+		1m	QR102.05	
	Hybanthus aurantiacus	+		0.2m	QR021.08	
	Indigofera monophylla	+		0.5m	NC	
	Paraneurachne muelleri	+		0.2m	QR063.04	
	Triodia epactia	50%		0.6m	QR102.01	

Quantum Flora 2 Site QR103

Described CS **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain.

Soil Light orange, brown sand with some clay.

Rock

Vegetation Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low open heath open Triodia epactia and Triodia lanigera open hummock grassland over Chrysopogon fallax scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
Litter cover: + Logs, 1% Twigs, 1% Lvs.
Disturbance type: Nearby fence and highway.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia inaequilatera	+		1-2m	QR090.02	
	Acacia stellaticeps	40%		0.5-1.5m	QR009.02	
	Acacia tumida var. pilbarensis	3%		1-2m	QR103.03	
	Bonamia rosea	+		0.3m	QR063.02	
	Cenchrus ciliaris	+		0.1m	QR010.01	
	Chrysopogon fallax	1%		0.5m	QR021.01	
	Corchorus aff. incanus	1%		0.5m	QR010.11	
	Corymbia flavescens				QR069.01	Outside of plot.
	Eragrostis aff. eriopoda (WAS site 963)	1% (+)		0.4m	QR103.01	
	Euphorbia australis	+		CL	QR114.09	
	Indigofera monophylla	+		0.5m	NC	
	Paraneurachne muelleri	+		0.5m	QR063.04	
	Pluchea tetranthera	+		0.5m	QR025.02	
	Senna notabilis	+		0.3m	QR024.09	
	Sida pilbarensis (ferruginous form)	+		0.5m	QR061.01	
	Solanum cleistogamum	+		0.3m	QR021.17	
	Triodia epactia	20%		0.6m	QR103.02	
	Triodia lanigera	1%		0.4m	QR105.06	

Quantum Flora 2 Site QR104

Described CS **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Red brown sandy loam.

Rock

Vegetation Acacia tumida var. pilbarensis and Carissa lanceolata high open shrubland over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 25%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Nearby Highway.

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia colei var. colei	+	0.8m	QR087.12
Acacia sericophylla	+	1m	QR124.02A
Acacia stellaticeps	35%	0.5-1m	QR009.02
Acacia tumida var. pilbarensis	4%	2-3m	QR034.02
Aerva javanica	+	0.5m	QR010.02
Bonamia rosea	+	0.3m	QR063.02
Carissa lanceolata	2%	2m	QR087.17
Corchorus aff. incanus	+	0.5m	QR010.11
Cyperus blakeanus	+	0.4m	QR044.02
Dolichandrone heterophylla			QR073.10 Outside of plot.
Indigofera monophylla	+	0.4m	NC
Pluchea tetranthera	+	0.4m	QR049.01
Sida pilbarensis (ferruginous form)			QR061.01 Outside of plot.
Triodia epactia	35%	0.6m	QR112.01
Triodia epactia	1%	0.5m	QR021.04
Triodia lanigera	1%	0.4m	QR105.06

Quantum Flora 2 Site QR105

Described **Date** **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia inaequilatera, Acacia ancistrocarpa and Acacia colei var. colei open shrubland over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Track and railway line nearby.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	1%	3m	QR105.02
	Acacia colei var. colei	1%	1-2m	QR087.12
	Acacia inaequilatera	2-3%	2-3m	QR090.02
	Acacia stellaticeps	15%	1m	QR009.02
	Cassytha capillaris	+	CL	QR021.05
	Corchorus aff. incanus	+	0.5m	QR010.11
	Corymbia hamersleyana	+	<1m	QR105.05
	Eriachne obtusa	+	0.2m	QR010.06
	Hakea lorea subsp. lorea	+	2m	QR016.07
	Hybanthus aurantiacus	+	0.2m	QR021.08
	Indigofera monophylla	+	0.4m	NC
	Mollugo molluginea	+	0.2m	QR021.10
	Owenia reticulata	+	1.5m	QR105.01
	Pluchea tetranthera	+	0.6m	QR025.02
	Sida pilbarensis (ferruginous form)	+	0.4m	QR105.03
	Tinospora smilacina	+	CL	QR081.10
	Triodia epactia	50%	<1m	QR105.04
	Triodia lanigera	+	0.2m	QR105.06
	Triodia lanigera	3%	0.4m	QR105.06

Quantum Flora 2 Site QR106

Described TE **Date** 14/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat

Soil Brown sandy loam with some clay.

Rock Quartz.

Vegetation Acacia inaequilatera, Acacia bivenosa and Acacia ancistrocarpa high shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera, Triodia secunda and Triodia schinzii open hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 30%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Nearby road and rail.
 Cow poo.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	4%		2m	QR105.02	
	Acacia ancistrocarpa x stellaticeps	+		0.6-1.1m	QR117.01	
	Acacia bivenosa	12%		1-2.5m	QR112.08	
	Acacia inaequilatera	2%		2-3m	QR090.02	
	Acacia stellaticeps	4%		0.5-1m	QR009.02	
	Hakea lorea subsp. lorea	+		1m	QR016.07	
	Indigofera monophylla	+		0.4m	NC	
	Pluchea tetranthera	+		0.4m	QR049.01	
	Triodia lanigera	20%		0.4m	QR105.06	
	Triodia schinzii	1%		0.5m	QR009.14	
	Triodia secunda	2%		0.4m	QR009.05	

Quantum Flora 2 Site QR107

Described CS **Date** 14/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange sandy loam with cryptogram algae on the surface with scattered quartz cobbles and pebbles.

Rock Quartz and Ironstone.

Vegetation Acacia ancistrocarpa high open shrubland over Acacia ancistrocarpa and Acacia bivenosa open shrubland over Acacia stellaticeps and Acacia ancistrocarpa x stellaticeps low open shrubland over Triodia lanigera open hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 30%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Nearby fence, road and rail.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	3%		2-3m	QR105.02
	Acacia ancistrocarpa	1%		1-2m	QR105.02
	Acacia ancistrocarpa x stellaticeps	1%		0.4m	QR107.01
	Acacia bivenosa	5%		1.5-2m	QR112.08
	Acacia stellaticeps	7%		0.5-1.5m	QR009.02
	Bonamia rosea	+		0.3m	QR063.02
	Hakea lorea subsp. lorea	+		1m	QR016.07
	Indigofera monophylla	+		0.4m	NC
	Ptilotus calostachyus var. calostachyus	+		0.5m	QR110.02
	Triodia lanigera	25%		0.4m	QR105.06
	Triodia schinzii	+		0.5m	QR009.14

Quantum Flora 2 Site QR108

Described CS **Date** 14/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sandy loam with scattered quartz pebbles.

Rock Quartz and Ironstone.

Vegetation Corymbia hamersleyana scattered low trees over Acacia ancistrocarpa and Acacia bivenosa shrubland over Triodia lanigera and Triodia epactia hummock grassland over Paraneurachne muelleri scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 50%
 Litter cover: + Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Nearby road, fence and rail.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	8%		1-2.5m	QR105.02	
	Acacia bivenosa	5%		1-2.5m	QR112.08	
	Acacia inaequilatera	+		1m	QR090.02	
	Acacia stellaticeps	+		0.8m	QR009.02	
	Acacia tumida var. pilbarensis	+		2m	QR034.02	
	Bonamia linearis	+		CL	QR087.19	
	Bonamia rosea	+		0.4m	QR063.02	
	Corymbia hamersleyana	2%		4-5m	QR108.01	
	Euphorbia aff. coghlanii (QR55-07)	+		0.2m	QR055.07	
	Euphorbia australis	+		0.2m	QR114.09	
	Indigofera monophylla	+		0.5m	NC	
	Isotropis atropurpurea	+		0.3m	QR108.03	
	Paraneurachne muelleri	1%		0.4m	QR063.04	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Sida pilbarensis (ferruginous form)	+		0.3m	QR061.01	
	Tephrosia supina	+		<0.2m	QR010.12	
	Tephrosia supina	+		0.2m	QR010.12	
	Tinospora smilacina	+		CL	QR081.10	
	Triodia epactia	1%		0.4m	QR108.02	
	Triodia lanigera	30%		0.4m	QR105.06	

Quantum Flora 2 Site QR109

Described CS **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Sand Plain.

Soil Light orange brown sand with some clay.

Rock Quartz and granite.

Vegetation Acacia ancistrocarpa and Acacia bivenosa open shrubland over Acacia stellaticeps and Atalaya hemiglauca low open shrubland over Triodia epactia and Triodia schinzii very open hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 45%
Litter cover: + Twigs, + Lvs.
Disturbance type: Road and rail nearby.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	6%		1.5m	QR105.02	
	Acacia bivenosa	+		1m	QR109.01	
	Acacia bivenosa	5%		1.2m	QR112.08	
	Acacia inaequilatera	1%		2m	QR090.02	
	Acacia stellaticeps	3%		0.5m	QR009.02	
	Atalaya hemiglauca	2%		1m	QR007.02	
	Bonamia rosea	+		0.5m	QR063.02	
	Corymbia hamersleyana	+		1.5m	QR109.03	
	Eragrostis tenellula	(1%)		0.2m	QR115.30	
	Indigofera monophylla	+		0.5m	NC	
	Ptilotus astrolasius var. astrolasius	+		0.4m	QR028.08	
	Trianthema oxycalyptra var. oxycalyptra	+	(+)	0.2m	QR109.05	
	Triodia epactia	3%		0.4m	QR109.04	
	Triodia epactia	45%		0.6m	QR109.02	
	Triodia schinzii	2%		0.4m	QR009.14	

Quantum Flora 2 Site QR110

Described TE **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain.

Soil Orange sandy loam, tiny red pebbles with some clay.

Rock

Vegetation Acacia ancistrocarpa, Acacia bivenosa, Acacia ancistrocarpa x stellaticeps and Acacia inaequilatera shrubland over Acacia stellaticeps and Indigofera monophylla low open shrubland over Triodia lanigera and Triodia epactia hummock grassland over Bonamia rosea scattered

Veg Excellent.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, + Twigs, 20% Lvs.
 Disturbance type: Cows, and railway is 150m away.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	20%		2-2.5m	QR105.02	
	Acacia ancistrocarpa x stellaticeps	1%		2m	QR117.01	
	Acacia bivenosa	1%		1.2m	QR112.08	
	Acacia inaequilatera	1%		2m	QR090.02	
	Acacia stellaticeps	3%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	+		2m	QR034.02	
	Bonamia rosea	1%		0.3m	QR063.02	
	Hakea lorea subsp. lorea	+		1-5m	QR016.07	
	Indigofera monophylla	1%		0.5m	NC	
	Ptilotus calostachyus var. calostachyus	+		0.6m	QR110.02	
	Senna symonii	+		1m	QR110.01	
	Triodia epactia	3%		0.4m	QR112.01	
	Triodia lanigera	35%		<0.5m	QR105.06	

Quantum Flora 2 Site QR111

Described TE **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA mE mN

Habitat Plain - slight rise/hill slope.

Soil Orange sand loam - some pebbles everywhere.

Rock Quartz and Ironstone.

Vegetation Acacia ancistrocarpa and Acacia inaequilatera shrubland over Acacia stellaticeps and Indigofera monophylla low open shrubland over Triodia lanigera hummock grassland.

Veg Very Good.

Fire Old.

Note Aspect: South-east.
 Bare Ground: 40%
 Litter cover: + Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Cows, railway.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	20%		2-3m	QR105.02	
	Acacia inaequilatera	3%		2-3.5m	QR090.02	
	Acacia maitlandii	+		<1.5m	QR111.01	
	Acacia stellaticeps	3%		0.5-1m	QR009.02	
	Bonamia rosea	+		0.4m	QR063.02	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Gossypium australe (Burrup Peninsula form)	+		0.2m	QR112.04	
	Indigofera monophylla	1%		0.5m	NC	
	Senna glutinosa subsp. glutinosa	+		2m	NC	
	Sida pilbarensis (ferruginous form)	+		0.3m	QR061.01	
	Tephrosia supina	+		0.2m	QR010.12	
	Triodia lanigera	55%		<0.3m	QR105.06	
	Yakirra australiensis var. australiensis	+		<0.1m	QR071.02	

Quantum Flora 2 Site QR112

Described TE **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain.

Soil Orange sandy loam, with little clay and scattered silica cobbles and pebbles.

Rock Silica.

Vegetation Acacia ancistrocarpa x stellaticeps, Senna glutinosa subsp. pruinosa and Acacia ancistrocarpa open shrubland over Acacia stellaticeps low scattered shrubs over Triodia epactia hummock grassland over *Cenchrus ciliaris scattered tussock grasses over Cyperus iria and Marsilea hirsuta scattered herbs.

Veg Very Good.

Fire Old.

Note Bare Ground: 60%

Litter cover: + Logs, 1% Twigs, + Lvs.

Disturbance type: Cows; Nearby railway; cow poo; kangaroos.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		1-2m	QR105.02	
	Acacia ancistrocarpa x stellaticeps	2%		2m	QR117.01	
	Acacia bivenosa	+		2m	QR112.08	
	Acacia colei var. colei	+		2m	QR087.12	
	Acacia inaequilatera	+		1.5m	QR090.02	
	Acacia stellaticeps	2%		0.5-1m	QR009.02	
	Aerva javanica	+		0.5-1m	QR010.02	
	Bonamia rosea	+		0.3m	QR063.02	
	Bulbostylis barbata	+(1%)		<0.1m	QR114.11	
	Cenchrus ciliaris	1%		0.2m	QR010.01	
	Chloris pumilio	+		0.5m	QR115.24	
	Corchorus incanus subsp. incanus	+		0.7m	QR114.08	
	Cyperus iria	1%		<0.1m	QR112.07	
	Dactyloctenium radulans	+(10%)		0.2m	QR112.02	
	Dodonaea coriacea	+		0.3m	QR051.03	
	Eragrostis tenellula	+(20%)		0.1-0.2m	QR115.30	
	Eragrostis xerophila	+		<0.1m	QR112.13	
	Evolvulus alsinoides var. villosicalyx	+		<0.1m	QR114.07	
	Fimbristylis sp.	+		0.3m	QR112.12	
	Gossypium australe (Burrup Peninsula form)	+		0.6m	QR112.04	
	Indigofera monophylla	+		0.6m	NC	
	Marsilea hirsuta	1%		<0.1m	QR115.14	
	Neptunia monosperma	+		<0.1m	QR112.06	
	Pimelea ammodaridifolia	+		1m	QNOP04T	
	Pluchea tetranthera	+		0.3m	QR049.01	
	Portulaca conspicua	+(1%)		<0.1m	QR112.05	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Salsola tragus subsp. tragus	1%		0.5-1m	QR112.03	
	Schizachyrium fragile	+(1%)		<0.1m	QR087.18	
	Senna glutinosa subsp. pruinosa	1%		1.5m	QR112.11	
	Senna notabilis	+		0.2m	QR024.09	
	Setaria verticillata	+(1%)		0.1m	QR113.05	
	Sida clementii			1m	QR114.03	
	Sida rohlenae subsp. rohlenae	+		0.6m	QR121.06	
	Solanum phlomoides	+		0.2m	QR112.09	

Tephrosia supina	+	0.3m	QR010.12
Triodia epactia	45%	0.6m	QR112.01
Triodia longiceps	(+)	0.3m	QR112.10

Quantum Flora 2 Site QR113

Described CS **Date** 13/05/2008 **Type** Q **Uniformity** 50x50m

Location Next to BHP railway.

MGA mE **mN**

Habitat Sand Plain.

Soil Light orange brown sand with some clay.

Rock Quartz, ironstone and silica.

Vegetation Corymbia zygophylla scattered low trees over Acacia ancistrocarpa and Acacia inaequilatera shrubland over Acacia stellaticeps and Indigofera monophylla low open shrubland over Triodia lanigera and Triodia epactia hummock grassland over Aristida holathera var. latifolia scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Aspect: East - very slight.
Rock type: Quartz, Ironstone and Silica.
Bare Ground: 40%
Litter cover: + Logs. 1% Twigs, 1% Lvs.
Disturbance type: Near Railway.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	10%		2-3m	QR105.02	
	Acacia colei var. colei	+		2m	QR039.06	
	Acacia inaequilatera	3%		1-2.3m	QR090.02	
	Acacia stellaticeps	3%		0.6m	QR009.02	
	Aerva javanica	+		0.6m	QR010.02	
	Aristida holathera var. latifolia	1%		0.4m	QR072.02	
	Boerhavia coccinea	+		CL	QR113.03	
	Bonamia linearis	+		CL	QR114.05	
	Bonamia linearis	+		CL	QR113.04	
	Bulbostylis barbata	+		<0.1m	QR114.11	
	Cassutha capillaris	+		0.1m	QR021.05	
	Cenchrus ciliaris	+		0.4m	QR010.01	
	Corchorus incanus subsp. incanus	1%		0.5m	QR114.08	
	Corymbia zygophylla	1%		4m	QR088.01	
	Cyperus ixiocarpus	+		0.5m	QR115.10	
	Eragrostis speciosa	+		0.4m	QR087.11	
	Eragrostis tenellula	+		0.4m	QR115.30	
	Euphorbia australis	+		<0.1m	QR114.09	
	Euphorbia australis	+		0.1m	QR114.09	
	Euphorbia coghlanii	+		0.3m	QR113.06	
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07	
	Gomphrena leptoclada subsp. leptoclada	+		0.5m	QR009.06	
	Indigofera monophylla	1%		0.6m	NC	
	Leptopus decaisnei var. orbicularis	+		0.6m	QR114.13	
	Mukia maderaspatana	+		CL	QR001.09	
	Pluchea tetranthera	+		0.4m	QR049.01	
	Polymeria calycina	+		CL	QR113.02	
	Schizachyrium fragile	+		<0.1m	QR087.18	
	Senna notabilis	+		0.4m	QR024.09	
	Setaria verticillata	+		0.5m	QR113.05	
	Sida pilbarensis (ferruginous form)	+		0.5m	QR061.01	
	Sida rohlenae subsp. rohlenae	+		0.4m	QR121.06	
	Tephrosia aff. supina (HD133-20)	+		0.35m	QR113.01	

Triodia epactia	30%	0.6m	QR114.01
Triodia lanigera	30%	0.6m	QR105.06
Triumfetta aff. chaetocarpa (PAN3/4)	+	0.6m	QR092.16

Quantum Flora 2 Site QR114

Described TE **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**
Habitat Plain - sight water pooling depression.
Soil Sandy orange loam with cryptogram algae clay surface.
Rock Chert, silica, ironstone.
Vegetation Acacia ancistrocarpa and Acacia inaequilatera high shrubland over Corchorus incanus subsp. incanus and Indigofera monophylla low scattered shrubs over Triodia epactia hummock grassland over Paraneurachne muelleri and Eragrostis aff. eriopoda (WAS site 963) scattered tussock
Veg Very Good.
Fire Old.
Note Bare Ground: 45%
Litter cover: + Logs, 1% Twigs, 1% lvs.
Disturbance type: Nearby railway; cow poo.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	10%		2-3m	QR105.02	
	Acacia inaequilatera	5%		2-4m	QR090.02	
	Aerva javanica	+		0.6m	QR010.02	
	Aristida holathera var. latifolia	+		0.3m	QR072.02	
	Bonamia linearis	+		CL	QR114.05	
	Bulbostylis barbata	+		<0.1m	QR114.11	
	Cenchrus ciliaris	+		0.1m	QR010.01	
	Cenchrus ciliaris	+		0.1m	QR114.02	
	Corchorus aff. incanus	+		0.1m	QR010.11	
	Corchorus incanus subsp. incanus	2%		0.3-0.5m	QR114.08	
	Cullen lachnostachys	+		1m	QR114.16	
	Dactyloctenium radulans	+		<0.1m	QR112.02	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.2m	QR010.04	
	Eragrostis aff. eriopoda (WAS site 963)	2%		0.1m	QR114.04	
	Eragrostis tenellula	+		0.1m	QR115.30	
	Euphorbia australis	+		<0.1m	QR114.09	
	Euphorbia coghlanii	+		0.6m	QR114.10	
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07	
	Gossypium australe (Burrup Peninsula form)	+		0.3m	QR101.03	
	Heliotropium sp.	+		0.1m	QR114.12	
	Indigofera monophylla	1%		0.6m	NC	
	Leptopus decaisnei var. orbicularis	+		<0.1m	QR114.13	
	Mollugo molluginea	+		0.2m	QR021.10	
	Mukia maderaspatana	+		CL	QR001.09	
	Paraneurachne muelleri	1%		0.1m	QR063.04	
	Perotis rara	+		<0.1m	QR114.15	
	Pluchea rubelliflora	+		0.2m	QR115.23	
	Polymeria calycina	+		CL	QR114.06	
	Rhynchosia minima var. australis	grasses.		+	CL QR010.15	
	Senna notabilis	+		0.3m	QR024.09	
	Sida clementii	+		0.6-1m	QR114.03	
	Sida pilbarensis (ferruginous form)	+		0.6m	QR061.01	
	Sida pilbarensis (ferruginous form)	+		0.2m	QR114.14	
	Triodia epactia	60%		0.6m	QR114.01	
	Yakirra australiensis var. australiensis	+		<0.1m	QR071.02	

Quantum Flora 2 Site QR115

Described CS **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**
Habitat Drainage Line.
Soil Brown, orange clay sand with alluvial deposits scattered with rocks, cobbles and pebbles.
Rock Basalt, chert, quartz and ironstone.
Vegetation Corymbia flavescens low open woodland over Acacia tumida var. pilbarensis high open shrubland over Acacia trachycarpa, Crotalaria cunninghamii, Acacia ampliceps and Acacia trachycarpa shrubland over Eulalia aurea scattered tussock grasses.
Veg Good to Poor.
Fire Old.
Note Litter cover: 1% Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Nearby rail and road, fence, rubbish.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia ampliceps	3%	0.5-4m	QR001.11	
	Acacia colei var. colei	+	2m	QR087.12	
	Acacia trachycarpa	2%	1m	QR115.03	
	Acacia trachycarpa	5%	1-3m	QR029.11	
	Acacia tumida var. pilbarensis	4%	3-4m	QR034.02	
	Aerva javanica	+	0.7m	QR010.02	
	Amaranthus pallidiflorus	1%	0.4m	QR115.09	
	Ammannia baccifera	+	0.2m	QR115.19	
	Calandrinia quadrivalvis	1%	<0.1m	QR087.02	
	Cenchrus ciliaris	40%	0.5m	QR010.01	
	Chloris pumilio	+	0.5m	QR115.24	
	Citrullus colocynthis	+	CL	QR115.07	
	Citrullus colocynthis	+	CL	QR115.22	
	Cleome viscosa	+	0.35m	NC	
	Corchorus aff. incanus	+	0.5m	QR010.11	
	Corchorus incanus subsp. incanus	+	0.3m	QR115.02	
	Corymbia flavescens	10%	5-7m	QR069.01	
	Crotalaria cunninghamii	3%	1-1.5m	QR115.01	
	Cucumis melo subsp. agrestis	+	CR	QR115.26	
	Cynanchum sp. (MET 15,151)	+	CR	QR115.25	
	Cyperus concinnus	1%	0.8m	QR115.11	
	Cyperus ixiocarpus	1%	0.8m	QR115.10	
	Cyperus squarrosus	+	0.2m	QR115.15	
	Dactyloctenium radulans	+	0.25m	QR112.02	
	Diplachne fusca subsp. fusca	1%	0.4m	QR115.17	
	Dodonaea coriacea	+	0.3m	QR051.03	
	Eragrostis cumingii	+	0.3m	QR115.13	
	Eragrostis tenellula	+	0.2m	QR115.30	
	Eriachne benthamii	1%	0.8m	QR115.04	
	Eulalia aurea	2%	0.4m	QR024.01	
	Euphorbia coghlanii	+	0.2m	QR115.05	
	Fimbristylis microcarya	+	0.1m	QR115.29	
	Hibiscus austrinus var. austrinus	+	<1m	QR115.06	
	Indigofera hirsuta	+	0.2m	QR115.20	
	Ipomoea optica	+	CR	QR115.27	
	Ipomoea muelleri	+	CL	QR115.21	
	Marsilea hirsuta	+	CL	QR115.14	

<i>Mukia maderaspatana</i>	+	CL	QR001.09
<i>Panicum decompositum</i>	+	0.2m	QR049.02
<i>Pluchea rubelliflora</i>	+	0.3m	QR115.12
<i>Pluchea rubelliflora</i>	+	0.25m	QR115.23
<i>Pluchea tetranthera</i>	+	0.4m	QR049.01
<i>Polymeria calycina</i>	+	CL	QR115.28
<i>Portulaca oleracea</i>	+	0.1m	QR049.04
<i>Pterocaulon sphaeranthoides</i>	+	0.3m	QR115.18
<i>Rhynchosia minima</i> var. <i>australis</i>	+	CR	QR010.15
<i>Senna notabilis</i>	+	0.4m	QR024.09
<i>Senna venusta</i>	1%	0.5m	QR115.08
<i>Sida pilbarensis</i> (ferruginous form)	+	0.6m	QR061.01
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+	0.4m	QR121.06
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+	0.3m	QR121.06
<i>Stemodia grossa</i>	1%	0.4m	QR115.16
<i>Triodia epactia</i>	1%	0.6m	QR021.04
<i>Waltheria indica</i>	+	0.5m	QR063.03

Quantum Flora 2 Site QR116

Described CS **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Dolichandrone heterophylla scattered low trees over Acacia inaequilatera scattered tall shrubs over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock

Veg Very Good.

Fire Old.

Note Bare Ground: 45%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Track nearby.
 Cryptogam on surface; termite mounds.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		1m	QR105.02	
	Acacia inaequilatera	1%		3m	QR090.02	
	Acacia stellaticeps	10%		0.5-1m	QR009.02	
	Cassytha capillaris	+		CL	QR021.05	
	Corymbia flavescens	+		0.5m	QR116.03	
	Dolichandrone heterophylla	1%		1-3m	QR073.10	
	Hakea lorea subsp. lorea	+		0.5M	QR116.02	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Indigofera monophylla			0.5m	NC	
	Paraneurachne muelleri	+		0.2-0.4m	QR063.04	
	Pterocaulon serrulatum	+		0.3m	QR116.01	
	Senna notabilis	+		1m	QR024.09	
	Sida pilbarensis (ferruginous form)	+		0.5m	QR061.01	
	Triodia epactia	2%		0.6m	QR021.04	
	Triodia lanigera	30%		0.4m	QR105.06	

Quantum Flora 2 Site QR117

Described CS **Date** 12/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis and Acacia inaequilatera scattered tall shrubs over Acacia ancistrocarpa open heath over Acacia stellaticeps low scattered shrubs over Triodia lanigera and Triodia epactia open hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
Litter cover: + Logs, + Twigs, 1% Lvs.
Disturbance type: Track and rail line nearby.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	50%	1-2m	QR105.02
	Acacia ancistrocarpa x stellaticeps	+	0.7m	QR117.01
	Acacia colei var. colei	+	0.5m	QR087.12
	Acacia inaequilatera	1%	2-3m	QR090.02
	Acacia sericophylla	+	5m	QR124.02A
	Acacia stellaticeps	2%	0.5-0.7m	QR009.02
	Acacia tumida var. pilbarensis	1%	2-3m	QR034.02
	Cassytha capillaris	+	CL	QR021.05
	Corchorus aff. incanus	+	0.5m	QR010.11
	Eragrostis aff. eriopoda (WAS site 963)	(+)	0.2m	QR010.04
	Hybanthus aurantiacus	+	0.4m	QR021.08
	Mollugo molluginea	+	0.2m	QR021.10
	Paraneurachne muelleri	+	0.1m	QR063.04
	Senna notabilis	+	<0.4m	QR024.09
	Sida pilbarensis (ferruginous form)	+	0.4m	QR061.01
	Triodia epactia	1%	0.6m	QR021.04
	Triodia lanigera	20%	0.4m	QR105.06

Quantum Flora 2 Site QR118

Described CS **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Red, orange brown sandy loam.

Rock

Vegetation Acacia tumida var. pilbarensis, Acacia inaequilatera and Acacia ancistrocarpa high shrubland over Acacia sericophylla and Hakea lorea subsp. lorea scattered shrubs over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia schinzii hummock grassland over Bonamia rosea scattered herbs.

Veg Excellent to Very Good.

Fire Old.

Note Bare Ground: 55%
Litter cover: + Logs, 1% Twigs, 1% Lvs.
Disturbance type: Nearby fence and road.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	10%		2-3m	QR105.02
	Acacia ancistrocarpa x stellaticeps	+		0.5-1m	QR117.01
	Acacia inaequilatera	2%		2-3m	QR090.02
	Acacia sericophylla	2%		1-2m	QR124.02A
	Acacia stellaticeps	6%		0.5-1m	QR009.02
	Acacia tumida var. pilbarensis	5%		2-3m	QR034.02
	Aristida holathera var. latifolia	+		0.4m	QR126.02
	Bonamia rosea	1%		0.5m	QR063.02
	Cassylia capillaris	+		CL	QR021.05
	Cleome uncifera subsp. uncifera	+		0.2m	QR126.03
	Corchorus aff. incanus	+		0.5m	QR010.11
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR010.04
	Eriachne obtusa	+		0.4m	QR010.06
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05
	Hakea lorea subsp. lorea	1%		0.5-2m	QR118.01
	Hybanthus aurantiacus	+		0.4m	QR021.08
	Indigofera monophylla	+		0.5m	NC
	Mollugo molluginea	+		0.2m	QR021.10
	Paraneurachne muelleri	+		0.4m	QR063.04
	Pluchea tetranthera	+		0.5m	QR025.02
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08
	Scaevola parvifolia subsp. pilbarae	+		0.3m	QR124.03
	Senna artemisioides subsp. oligophylla x helmsii	+		0.5m	QR118.03
	Sida arenicola	+		0.3m	QR118.02
	Sida pilbarensis (ferruginous form)	+		0.5m	QR061.01
	Tephrosia aff. bidwillii (HD153-5)	+		0.35m	QR118.04
	Triodia epactia	35%		0.6m	QR007.03
	Triodia schinzii	25%		0.4m	QR009.14

Quantum Flora 2 Site QR119

Described CS **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Red, orange, brown loamy sand with some clay in parts.

Rock

Vegetation Dolichandrone heterophylla and Acacia inaequilatera scattered tall shrubs over Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Very Good.

Fire Old.

Note Bare Ground: 55%
 Litter cover: + Twigs, + Lvs.
 Disturbance type: Nearby fence and track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia inaequilatera	2%		2-3m	QR090.02	
	Acacia stellaticeps	20%		0.5-1m	QR009.02	
	Bonamia rosea	+		0.3m	QR063.02	
	Cassytha capillaris	+		CL	QR021.05	
	Chrysopogon fallax	+		0.4m	QR021.01	
	Dolichandrone heterophylla	2%		0.5m	QR119.01	
	Hakea lorea subsp. lorea	+		0.5m	QR016.07	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Indigofera monophylla	+		0.4m	NC	
	Paraneurachne muelleri	+		0.4m	QR063.04	
	Ptilotus astrolasius var. astrolasius	+		0.4m	QR028.08	
	Triodia epactia	2%		0.4m	QR021.04	
	Triodia lanigera	50%		0.4m	QR105.06	
	Triodia schinzii	+		0.4m	QR009.14	

Quantum Flora 2 Site QR120

Described CS **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Red Brown loam.

Rock

Vegetation Corymbia flavescens low open woodland over Acacia tumida var. pilbarensis, Hakea lorea subsp. lorea, Acacia inaequilatera and Acacia ancistrocarpa high open shrubland over Acacia stellaticeps, Carissa lanceolata and Acacia colei var. colei shrubland over Indigofera monophylla and Acacia sericophylla low scattered shrubs over Triodia epactia and Triodia lanigera open hummock grassland over Eriachne obtusa scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 15%
Litter cover: 1% Logs, 2% Twigs, 3% Lvs.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Abutilon otocarpum	+	0.1m	QR069.16
	Acacia ancistrocarpa	10%	2-3m	QR105.02
	Acacia ancistrocarpa x stellaticeps	1%	0.7m	QR117.01
	Acacia ancistrocarpa x stellaticeps	+	0.4m	QR117.01
	Acacia colei var. colei	3%	1-2m	QR087.12
	Acacia inaequilatera	2%	1-3m	QR090.02
	Acacia sericophylla	1%	1m	QR124.02A
	Acacia stellaticeps	30%	1-1.5m	QR009.02
	Acacia tumida var. pilbarensis	4%	2-3m	QR034.02
	Alternanthera nana	+	0.2m	QR120.01
	Carissa lanceolata	1%	1-2m	QR087.17
	Cenchrus ciliaris	+	0.4m	QR010.01
	Corymbia flavescens	10%	2-6m	QR069.01
	Dolichandrone heterophylla	+	1m	QR073.10
	Ehretia saligna	+	0.4m	QR120.02
	Ehretia saligna	+	0.5m	QR120.02
	Eragrostis speciosa	+	0.5m	QR087.11
	Eriachne obtusa	1%	0.4m	QR010.06
	Hakea lorea subsp. lorea	2%	2m	QR016.07
	Indigofera monophylla	1%	0.5m	NC
	Paraneurachne muelleri	+	0.4m	QR063.04
	Polymeria calycina	+	CL	QR113.02
	Ptilotus astrolasius var. astrolasius	+	0.5m	QR028.08
	Senna notabilis	+	0.5m	QR024.09
	Sida pilbarensis (ferruginous form)	+	0.5m	QR061.01
	Sida rohlenae subsp. rohlenae	+	0.4m	QR121.06
	Triodia epactia	20%	0.8m	QR021.04
	Triodia lanigera	12%	0.5m	QR105.06
	Waltheria indica	+	0.2m	QR063.03
	Waltheria indica	+	0.5m	QR063.03

Quantum Flora 2 Site QR121

Described CS **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Plain.

Soil Red brown loam.

Rock

Vegetation Corymbia zygophylla low open woodland over Acacia inaequilatera, Hakea lorea subsp. lorea and Acacia ancistrocarpa high shrubland over Ptilotus astrolasius var. astrolasius, Acacia stellaticeps, Pluchea tetranthera and Indigofera monophylla low shrubland over Triodia epactia and Triodia lanigera hummock grassland over Eriachne obtusa very open tussock grassland.

Veg Excellent to Very Good.

Fire Old.

Note Bare Ground: 30%
Litter cover: 1% Logs, 3% Twigs, 7% Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	15%		2-3m	QR105.02
	Acacia ancistrocarpa x stellaticeps	+		0.5m	QR117.01
	Acacia colei var. colei	+		0.4m	QR087.12
	Acacia inaequilatera	2%		2-4m	QR090.02
	Acacia sericophylla	+		1.2m	QR124.02A
	Acacia stellaticeps	10%		0.5m	QR009.02
	Acacia tumida var. pilbarensis	3%		0.5-1m	QR034.02
	Achyranthes aspera	+		0.4m	NC
	Aristida ingrata	+		0.6m	QR121.04
	Boerhavia coccinea	+		0.3m	QR009.01
	Bonamia linearis	+		CL	QR121.05
	Bonamia media var. media	+		0.2m	QR121.08
	Bonamia rosea	+		0.2m	QR063.02
	Chrysopogon fallax	+		0.5m	QR021.01
	Corchorus aff. incanus				QR010.11
	Corymbia zygophylla	8%		8m	QR088.01
	Eragrostis aff. eriopoda (WAS site 963)				QR121.03B
	Eragrostis aff. eriopoda (WAS site 963)	5%		0.25m	QR121.01
	Eragrostis cumingii	+		0.4m	QR115.13
	Eriachne obtusa	1%		0.4m	QR010.06
	Eriachne obtusa	8%		0.2m	QR121.02
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR050.05
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07
	Hakea lorea subsp. lorea	3%		2m	QR016.07
	Hibiscus brachychlaenus	+		0.15m	QR121.07
	Hybanthus aurantiacus	+		0.4m	QR021.08
	Indigofera monophylla	1%		0.4m	NC
	Mukia maderaspatana	+		CL	QR001.09
	Pluchea tetranthera	1%		0.4m	QR025.02
	Portulaca pilosa				QR121.04B
	Ptilotus astrolasius var. astrolasius	3%		0.5m	QR028.08
	Ptilotus calostachyus var. calostachyus	+		1.2m	QR110.02
	Ptilotus fusiformis var. fusiformis	+		0.3m	QR087.16
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QR124.03
	Senna artemisioides subsp. oligophylla x helmsii	+		0.6m	QR121.03
	Senna notabilis	+		0.4m	QR024.09

<i>Sida pilbarensis</i> (ferruginous form)	+	0.5m	QR061.01
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+	0.25m	QR121.06
<i>Solanum cleistogamum</i>	+	0.2m	QR021.17
<i>Tinospora smilacina</i>	+	CL	QR081.10
<i>Triodia epactia</i>	30%	0.5m	QR021.04
<i>Triodia lanigera</i>	10%	<0.4m	QR105.06

Quantum Flora 2 Site QR122

Described TE **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Corymbia zygophylla low open woodland over Acacia ancistrocarpa, Acacia tumida var. pilbarensis, Acacia stellaticeps and Indigofera monophylla shrubland over Triodia epactia open hummock grassland over Eriachne obtusa, Eragrostis aff. eriopoda (WAS site 963) and Chrysopogon fallax very open tussock grassland.

Veg Excellent.

Fire Old.

Note Bare Ground: 40%
Litter cover: 1% Logs, % Twigs, 5% Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	25%		1-3m	QR105.02	
	Acacia inaequilatera	+		1m	QR090.02	
	Acacia sericophylla	+		1.5m	QR124.02A	
	Acacia stellaticeps	3%		1m	QR009.02	
	Acacia tumida var. pilbarensis	1%		2m	QR034.02	
	Aerva javanica	+		0.4m	QR010.02	
	Aristida holathera var. latifolia	+		0.4m	QR010.19	
	Aristida ingrata	+		0.5m	QR121.04	
	Carissa lanceolata	+		1.5m	QR087.17	
	Chrysopogon fallax	1%		1m	QR021.01	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Corymbia zygophylla	5%		0.5-5m	QR088.01	
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.4m	QR122.03	
	Eragrostis aff. eriopoda (WAS site 963)	5%		0.4m	QR121.01	
	Eriachne obtusa	+		0.5m	QR121.02	
	Eriachne obtusa	5%		0.4m	QR010.06	
	Gossypium australe (Burrup Peninsula form)	+		0.6m	QR101.03	
	Indigofera monophylla	1%		0.5m	NC	
	Paraneurachne muelleri	+		0.4m	QR063.04	
	Pluchea tetranthera	+		0.3m	QR049.01	
	Pluchea tetranthera	+		0.5m	QR025.02	
	Portulaca pilosa	+		0.25m	QR122.04	
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08	
	Rhynchosia minima var. australis	+		CL	QR010.15	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QR124.03	
	Senna glutinosa subsp. x luerssenii	+		1.6m	QR122.01A	
	Triodia epactia	15%		0.4m	QR007.03	
	Triodia epactia	30%		0.6m	QR021.04	
	Triodia epactia	1%		1.2m	QR122.01	

Quantum Flora 2 Site QR123

Described CS **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Orange brown sand.

Rock

Vegetation Acacia inaequilatera, Acacia tumida var. pilbarensis and Carissa lanceolata high open shrubland over Acacia sericophylla, Acacia ancistrocarpa, Dolichandrone heterophylla and Acacia stellaticeps shrubland over Triodia epactia, Triodia lanigera and Triodia schinzii hummock grassland over Bonamia rosea scattered herbs.

Veg Excellent.

Fire Old.

Note Bare Ground: 40%
 Litter cover: + Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Fence nearby.
 Lots of kangaroo poo and cow poo and tracks.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	3%		1-2m	QR105.02
	Acacia inaequilatera	5%		2-3m	QR090.02
	Acacia sericophylla	4%		1-1.5m	QR124.02A
	Acacia sericophylla	+		1.6m	QR028.05
	Acacia stellaticeps	10%		0.5-1.5m	QR009.02
	Acacia tumida var. pilbarensis	3%		2-3m	QR034.02
	Bonamia rosea	2.5%		0.5m	QR063.02
	Carissa lanceolata	2%		2m	QR087.17
	Chrysopogon fallax	+		0.2m	QR021.01
	Corchorus aff. incanus	+		0.5m	QR010.11
	Corymbia zygophylla	+		1.5-5m	QR088.01
	Dolichandrone heterophylla	1%		1-2m	QR073.10
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.1m	QR121.01
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QR121.03B
	Eriachne obtusa	+		0.4m	QR010.06
	Gossypium australe (Burrup Peninsula form)	+		0.6m	QR101.03
	Hakea lorea subsp. lorea	+		2.5m	QR123.01
	Hybanthus aurantiacus	+		0.5m	QR021.08
	Indigofera monophylla	+		0.5m	NC
	Paraneurachne muelleri	+		0.4m	QR063.04
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QR124.03
	Senna artemisioides subsp. oligophylla x helmsii	+		0.8m	QR121.03
	Triodia epactia	60%		0.8m	QR021.04
	Triodia epactia	1%		0.5m	QR021.04
	Triodia lanigera	6%		0.5m	QR105.06
	Triodia schinzii	1%		0.5m	QR009.14

Quantum Flora 2 Site QR124

Described TE **Date** 12/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Spinifex Plain.

Soil Orange Brown sandy loam.

Rock

Vegetation Corymbia zygophylla scattered low trees over Acacia ancistrocarpa, Acacia tumida var. pilbarensis, Acacia inaequilatera, Acacia sericophylla and Acacia colei var. colei high shrubland over Acacia stellaticeps low shrubland over Triodia epactia, Triodia lanigera and Triodia schinzii hummock grassland over Eriachne obtusa scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 40%
Litter cover: + Logs, 1% Twigs, 1% Lvs.
Disturbance type: Kangaroos and cows.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	4%		2-3m	QR105.02	
	Acacia ancistrocarpa x stellaticeps	+		0.5m	QR117.01	
	Acacia colei var. colei	2%		3m	QR087.12	
	Acacia inaequilatera	3%		2-3m	QR090.02	
	Acacia sericophylla	2%		2m	QR124.01	
	Acacia sericophylla	1%		2m	QR124.02A	
	Acacia sericophylla	+		3m	QR028.03	
	Acacia stellaticeps	20%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	3%		2-3m	QR034.02	
	Aerva javanica	+		0.5m	QR010.02	op
	Aristida holathera var. latifolia	+		0.4m	QR072.02	op
	Bonamia rosea	+		0.4m	QR063.02	
	Carissa lanceolata	+		2m	QR087.17	op
	Cassytha capillaris	+		CL	QR021.05	
	Chrysopogon fallax	+		0.6m	QR021.01	
	Cleome uncifera subsp. uncifera	+		0.1m	QR124.02B	
	Corchorus aff. incanus	+		0.3m	QR010.11	
	Corymbia flavescens	+		3m	QR069.01	op
	Corymbia zygophylla	1%		2-3m	QR088.01	
	Eragrostis aff. eriopoda (WAS site 963)	1%		<0.1m	QR122.03	
	Eragrostis speciosa	+		0.6m	QR087.11	op
	Eriachne obtusa	1%		0.1m	QR010.06	
	Goodenia forrestii	+		<0.1m	QR125.03	
	Gossypium australe (Burrup Peninsula form)	+		0.5m	QR101.03	
	Hybanthus aurantiacus	+		0.4m	QR021.08	
	Indigofera monophylla	+		0.3m	NC	
	Paraneurachne muelleri	+		0.4m	QR063.04	
	Pluchea tetranthera	+		0.5m	QR025.02	
	Ptilotus astrolasius var. astrolasius	+		0.5m	QR028.08	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QR124.03	
	Sida pilbarensis (ferruginous form)	+		0.6m	QR061.01	
	Triodia epactia	25%		<0.5m	QR021.04	
	Triodia epactia	+		0.6m	QR094.01	
	Triodia lanigera	15%		0.3m	QR105.06	
	Triodia schinzii	10%		0.6m	QR009.14	

Quantum Flora 2 Site QR125

Described CS **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange brown sand with some clay.

Rock

Vegetation Acacia inaequilatera, Acacia tumida var. pilbarensis and Acacia ancistrocarpa high shrubland over Acacia sericophylla, Acacia stellaticeps, Acacia ancistrocarpa and Ptilotus astrolasius var. astrolasius low open shrubland over Triodia schinzii, Triodia epactia and Triodia lanigera hummock grassland over Eriachne obtusa, Aristida holathera var. latifolia and Paraneurachne muelleri scattered tussock grasses.

Veg Excellent to Very Good.

Fire Old.

Note Bare Ground: 45%
 Litter cover: + Logs, 1% Twigs, 1% Lvs.
 Disturbance type: Nearby track, fence.
 Some surface crytogram algae, cow poo.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	10%		2-3m	QR105.02	
	Acacia inaequilatera	5%		2-3m	QR090.02	
	Acacia sabulosa				QR125.06	
	Acacia sericophylla	1%		1-2m	QR124.02A	
	Acacia stellaticeps	5%		0.5m	QR009.02	
	Acacia tumida var. pilbarensis	10%		2-3m	QR034.02	
	Aristida holathera var. latifolia	1%		0.4m	QR072.02	
	Bonamia rosea	+		0.2m	QR063.02	
	Cassyltha capillaris	+		CL	QR021.05	
	Chrysopogon fallax	+		0.6m	QR021.01	
	Corchorus aff. incanus	+		0.5m	QR010.11	
	Corymbia hamersleyana	+		1.5m	QR125.01	
	Digitaria brownii	+		0.4m	QR125.04	
	Eragrostis aff. eriopoda (WAS site 963)	5%		0.4m	QR010.04	
	Eragrostis falcata	1%		0.4m	NC	
	Eriachne obtusa	2%		0.4m	QR010.06	
	Euphorbia sp. (B170-4)	+		0.15m	QR125.02	
	Evolvulus alsinoides var. villocalyx (grey form)	+		CL	QR010.05	
	Goodenia forrestii	+		0.15m	QR125.03	
	Hibiscus sturtii var. campylochlamys	+		0.3m	QR125.05	
	Hybanthus aurantiacus	+		0.3m	QR021.08	
	Indigofera monophylla	1%		0.2m	NC	
	Paraneurachne muelleri	1%		0.1m	QR063.04	
	Ptilotus astrolasius var. astrolasius	1%		0.6m	QR028.08	
	Sida pilbarensis (ferruginous form)	+		0.4m	QR061.01	
	Sida rohlenae subsp. rohlenae	+		0.2m	QR121.06	
	Triodia epactia	30%		0.5m	QR021.04	
	Triodia lanigera	25%		<0.5m	QR105.06	
	Triodia schinzii	5%		0.6m	QR009.14	
	Waltheria indica	+		0.2m	QR063.03	

Quantum Flora 2 Site QR126

Described CS **Date** 13/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA **mE** **mN**

Habitat Sand Plain.

Soil Light orange sandy loam.

Rock

Vegetation Acacia tumida var. pilbarensis, Acacia inaequilatera, Acacia colei var. colei and Acacia ancistrocarpa high shrubland over Acacia stellaticeps, Ptilotus astrolasius var. astrolasius, Senna notabilis and Indigofera monophylla low open shrubland over Triodia epactia and Triodia lanigera hummock grassland over Chrysopogon fallax and Paraneurachne muelleri scattered tussock grasses.

Veg Excellent to Very Good.

Fire Old.

Note Bare Ground: 50%
 Litter cover: + Twigs, + Lvs.
 Disturbance type: Nearby track and fence.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	15%		2-4m	QR105.02	
	Acacia ancistrocarpa	+		2.5m	QR105.02	
	Acacia colei var. colei	6%		2-3m	QR087.12	
	Acacia inaequilatera	5%		2-5m	QR090.02	
	Acacia sericophylla	+		2m	QR124.01	
	Acacia stellaticeps	5%		0.5-1m	QR009.02	
	Acacia tumida var. pilbarensis	3%		2-3m	QR034.02	
	Aristida holathera	+		0.4m	QR126.02	
	Bonamia linearis	+		CL	QR126.07	
	Bonamia rosea	+		0.3m	QR063.02	
	Cassyltha capillaris	+		CL	QR021.05	
	Chrysopogon fallax	1%		0.5m	QR021.01	
	Cleome uncifera subsp. uncifera	+		0.4m	QR126.03	
	Corchorus aff. incanus	1%		0.5m	QR010.11	
	Corchorus incanus subsp. incanus	+		0.2m	QR114.08	
	Eriachne obtusa	+		0.3m	QR010.06	
	Euphorbia sp. (B170-4)	+		0.1m	QR125.02	
	Evolvulus alsinoides var. villosicalyx	+		CL	QR114.07	
	Goodenia forrestii	+		0.1m	QR125.03	
	Goodenia microptera	+		0.4m	QR126.06	
	Hakea lorea subsp. lorea	+		2m	QR016.07	
	Heliotropium muticum	+		0.3m	QR126.05	
	Hybanthus aurantiacus	+		0.2m	QR021.08	
	Indigofera monophylla	1%		0.4m	NC	
	Mollugo molluginea	+		0.2m	QR021.10	
	Paraneurachne muelleri	1%		0.3m	QR063.04	
	Paspalidium rarum	+		0.4m	QR087.14	
	Pimelea ammocharis	+		<0.4m	QNOP04T	
	Pluchea tetranthera	+		0.5m	QR025.02	
	Pterocaulon sphacelatum	+		0.2m	QR126.01	
	Ptilotus astrolasius var. astrolasius	2%		0.4m	QR028.08	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QR124.03	
	Schizachyrium fragile	+		0.1m	QR087.18	
	Senna notabilis	1%		0.3m	QR024.09	
	Sida pilbarensis (ferruginous form)	+		0.2m	QR126.04	

<i>Sida pilbarensis</i> (ferruginous form)	+	0.5m	QR061.01
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+	0.3m	QR121.06
<i>Triodia epactia</i>	6%	0.6m	QR021.04
<i>Triodia lanigera</i>	40%	0.6m	QR105.06
<i>Waltheria indica</i>	+	0.3m	QR063.03
<i>Yakirra australiensis</i> var. <i>australiensis</i>	+	0.2m	QR071.02

Appendix F3 - Additional Winter Survey Areas

Quantum Flora 3 Site QN001

Described	ML	Date	8/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Between FMG and BHP Rail.					
MGA	50		668042	mE		7726654 mN
Habitat	Sand plain.					
Soil	Red/ brown clayey loam.					
Rock						
Vegetation	Corymbia hamersleyana scattered low trees over Acacia colei var. colei scattered tall shrubs over Acacia inaequilatera scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera open hummock grassland over Eragrostis aff. eriopoda (WAS site 963), Aristida holathera var. latifolia and Aristida inaequiglumis very open tussock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 20%. Litter cover: + logs; 2% twigs; 4% leaves. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Abutilon sp.	+	0.2m	QN01.11	
	Acacia colei var. colei	2%	2.0-3.0m	QN01.13	
	Acacia inaequilatera	2%	1.0-2.0m	QN01.12	
	Acacia stellaticeps	30%	0.5-1m	QN01.01	
	Aristida holathera var. latifolia	2%	<0.3m	QN01.03	
	Aristida inaequiglumis	1%	0.5m	QN01.10	
	Corchorus elachocarpus	+	0.2m	QN01.06	
	Corymbia hamersleyana	1%	4.0m	QN01.14	
	Eragrostis aff. eriopoda (WAS site 963)	2%	<0.3m	QN01.08	
	Euphorbia sp. (B170-4)	1%	<0.1m	QN01.05	
	Indigofera monophylla (small calyx form)	+	<0.3m	QN01.07	
	Indigofera monophylla (small calyx form)	+	0.3m	QN01.09	
	Owenia reticulata	+	3.0m	QN01.15	
	Pluchea tetranthera	+	<0.5m	QN01.16	
	Solanum lasiophyllum	+	<0.4m	QN04.19	
	Triodia epactia	20%	<0.5m	QN01.02	
	Triodia lanigera	10%	<0.5m	QN01.04	

Quantum Flora 3 Site QN002

Described EC **Date** 8/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Bottom of rail line option.

MGA 50 **667577 mE** **7726629 mN**

Habitat Sand plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia stellaticeps low open heath over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 30%.
Litter cover: - logs; 3% twigs; 2% lvs.
Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia sabulosa	+		2.0-3.0m	QN02.04
	Acacia sabulosa	+		1.0m	QN02.02
	Acacia stellaticeps	35%		0.5-0.7m	QN02.01
	Acacia trudgeniana	+		1.5m	QN02.03
	Acacia tumida var. pilbarensis	+		1.2m	QN02.08
	Aristida ingrata	+		0.3m	QN02.05
	Cenchrus ciliaris	+		0.3m	NC
	Chrysopogon fallax	+		0.4m	QN02.06
	Indigofera monophylla (small calyx form)	+		0.3m	QN02.09
	Triodia epactia	40%		0.3-0.5m	QN02.07

Quantum Flora 3 Site QN003

Described EC **Date** 8/05/2008 **Type** Q **Uniformity** 50 x 50 m

Locatio

MGA 50 **667066 mE** **7726695 mN**

Habitat Open sandy plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia trudgeniana, Acacia colei var. colei, Abutilon sp. (HD164) and Acacia ancistrocarpa open shrubland over Solanum lasiophyllum and Abutilon sp. (HD164) low scattered shrubs over Triodia epactia and Triodia lanigera very open hummock grassland over Paraneurachne muelleri and Eragrostis aff. eriopoda (WAS site 963) scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 45%.
Litter over: + logs; 2% twigs; 2% lvs.
Disturbance type: Kangaroos.

SPECIES

Quad	Name	Cover	C	Height	Specimet	Notes
	Abutilon sp. (HD164)	1%		1.5m	QN03.06	
	Acacia ancistrocarpa	1%		1.5m	QN03.10	
	Acacia colei var. colei	2%		1.5m	QN03.12	
	Acacia sericophylla	+		2.0m	QN03.01	
	Acacia trudgeniana	1%		1.0-3.0m	QN02.03	
	Aristida holathera var. latifolia	+		0.3m	QN03.07	
	Bulbostylis barbata	+		0.2m	QN03.02	
	Corchorus incanus subsp. incanus	+		0.5m	QN03.11	
	Dysphania rhadinostachya subsp. rhadinostachya	+		0.2m	QN03.14	
	Eragrostis aff. eriopoda (WAS site 963)	2%		0.3m	QN03.03	
	Hibiscus sturtii var. campylochlamys	+		0.3m	QN03.16	
	Paraneurachne muelleri	2%		0.3m	QN03.04	
	Pimelea ammocharis	+		0.7m	QN03.15	
	Senna notabilis	+		0.3m	QN03.08	
	Solanum lasiophyllum	1%		0.6m	QN03.13	
	Sporobolus australasicus	+		0.1m	QN03.09	
	Triodia epactia	5%		0.3m	QN02.07	
	Triodia lanigera	1%		0.4m	QN03.05	

Quantum Flora 3 Site QN004

Described	ML	Date	8/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Bottom of rail line option.					
MGA	50		666424	mE		7727160 mN
Habitat	Sand plain.					
Soil	Red/ brown clayey loam.					
Rock	Quartz.					
Vegetation	Acacia colei var. colei, Acacia inaequilatera, Acacia sericophylla and Acacia ancistrocarpa high shrubland over Scaevola parvifolia subsp. pilbarae, Ptilotus astrolasius var. astrolasius, Pluchea tetranthera, Acacia trudgeniana and Indigofera monophylla (small calyx form) low open shrubland over Triodia lanigera and Triodia epactia open hummock grassland over Chrysopogon fallax scattered tussock grasses.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 25% Litter cover: 1% logs; 3% twigs; 6% lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	10%		1.0-2.0m	QN04.05	
	Acacia colei var. colei	5%		2.0-3.0m	QN01.13	
	Acacia inaequilatera	3%		2.0-3.0m	QN01.12	
	Acacia sericophylla	3%		1.0-3.0m	QN04.03	
	Acacia stellaticeps	3%		<0.5m	QN01.01	
	Acacia trudgeniana	1%		0.4m	QN04.07	
	Acacia tumida var. pilbarensis	+		1.0m	QN04.12	
	Aristida holathera var. latifolia	+		0.1m	QN01.03	
	Bonamia linearis	+		CL	QN04.15	
	Cassytha capillaris	2%		CL	QN04.10	
	Chrysopogon fallax	1%		<0.5m	QN04.06	
	Cleome uncifera subsp. uncifera	+		0.3m	QN04.17	
	Corchorus incanus subsp. incanus	1%		<0.3m	QN04.01	
	Eriachne pulchella subsp. dominii	+		0.2m	QN04.18	
	Gossypium australe (Burrup Peninsula form)	+		0.3m	QN04.08	
	Gossypium australe (Burrup Peninsula form)	+		0.4m	QN04.13	
	Hibiscus sturtii var. campylochlamys	+		0.2m	QN04.14	
	Indigofera monophylla (small calyx form)	1%		<0.5m	QN01.07	
	Pluchea tetranthera	1%		<0.5m	QN01.16	
	Ptilotus astrolasius var. astrolasius	1%		<0.4m	QN04.11	
	Scaevola parvifolia subsp. pilbarae	1%		<0.3m	QN04.09	
	Scaevola spinescens (broad form)	+		0.4m	QN04.16	
	Senna notabilis	+		0.05m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		0.4m	QN04.04	
	Solanum lasiophyllum	+		0.3m	QN04.19	
	Triodia epactia	25%		<0.5m	QN01.02	
	Triodia lanigera	8%		<0.4m	QN01.04	
	Yakirra australiensis var. australiensis	+		0.3m	QN04.02	

Quantum Flora 3 Site QN005

Described ML **Date** 8/05/2008 **Type** Q
Season **Uniformity**

Location Bottom of rail line option.

MGA 50 666424 **mE** 7727160 **mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia trudgeniana, Acacia tumida var. pilbarensis and Acacia ancistrocarpa open shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: + logs; 1% twigs; 1% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		1.0-2.0m	QN03.10	
	Acacia sericophylla	+		1.5m	QN03.01	
	Acacia stellaticeps	8%		0.5m	QN02.01	
	Acacia trudgeniana	5%		1.0-3.0m	QN02.03	
	Acacia tumida var. pilbarensis	1%		1.5m	QN02.08	
	Cassyltha capillaris	+		CR	QN05.01	
	Chrysopogon fallax	+		0.3m	QN02.06	
	Digitaria brownii	+		0.3m	QN05.06	
	Eriachne obtusa	+		0.3m	QN05.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN05.02	
	Ptilotus astrolasius var. astrolasius	+		0.4m	QN05.03	
	Senna artemisioides aff subsp oligophylla (thinly sericeous)	+		0.5m	QN05.05	
	Triodia epactia	2%		0.4m	QN02.07	
	Triodia lanigera	50%		0.4m	QN03.05	

Quantum Flora 3 Site QN006

Described	EC	Date	10/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Bottom of rail line option.					
MGA	50		666136	mE		7727503 mN
Habitat	Sand plain.					
Soil	Orange brown sand.					
Rock						
Vegetation	Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis, Acacia ancistrocarpa and Acacia trudgeniana open heath over Acacia stellaticeps low scattered shrubs over Triodia epactia and Triodia lanigera open hummock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 30%. Litter over: + logs; + twigs; + lvs. Disturbance type: Nearby track.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	35%		1.5m	QN08.02	
	Acacia sericophylla	+		0.4-1m	QN03.01	
	Acacia stellaticeps	2%		0.6m	QN02.01	
	Acacia trudgeniana	1%		1.5m	QN02.03	
	Acacia tumida var. pilbarensis	2%		1.0-2.5m	QN02.08	
	Cenchrus ciliaris	+		0.3m	NC	
	Chrysopogon fallax	+		1.0m	QN07.06	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QN06.06	
	Indigofera monophylla (small calyx form)	+		0.4m	QN11.03	
	Owenia reticulata	+		5.0m	QN52.02	
	Paraneurachne muelleri	+		0.3m	QN06.04	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QN06.02	
	Scaevola parvifolia subsp. pilbarae	+		0.1m	QN06.03	
	Scaevola spinescens (broad form)	+		0.4m	QN06.05	
	Triodia epactia	15%		0.6m	QN02.07	
	Triodia lanigera	15%		0.4m	QN06.01	

Quantum Flora 3 Site QN007

Described	EC	Date	8/05/2008	Type	Q
Season				Uniformity	
Location	Bottom of rail line option.				
MGA	50		666245	mE	7727858 mN
Habitat	Sand plain.				
Soil	Light orange/ brown sand.				
Rock					
Vegetation	Acacia tumida var. pilbarensis, Acacia ancistrocarpa and Acacia trudgeniana high open shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera open hummock grassland over Aristida holathera var. latifolia and Eriachne obtusa scattered tussock grasses.				
Veg	Excellent.				
Fire	Old.				
Note	Aspect: N/A. Bare ground: 30%. Litter cover: + logs; 1% twigs; 1% lvs. Disturbance type: Nil.				

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		1.5m	QN03.10	
	Acacia stellaticeps	6%		0.2-0.8m	QN02.01	
	Acacia trudgeniana	1%		2.0-3.0m	QN02.03	
	Acacia tumida var. pilbarensis	6%		2.0-4.0m	QN02.08	
	Aristida holathera var. latifolia	2%		0.3m	QN03.07	
	Aristida ingrata	+		0.2m	QN07.08	
	Bonamia linearis	+		0.1m	QN07.12	
	Cassylia capillaris	+		CR	QN05.01	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.3m	QN07.10	
	Eriachne obtusa	1%		0.3m	QN05.04	
	Euphorbia australis	+		0.1m	QN07.11	
	Paraneurachne muelleri	+		0.3m	QN07.04	
	Paraneurachne muelleri	+		0.3m	QN07.03	
	Polymeria calycina	+		0.2m	QN07.13	
	Senna notabilis	+		0.2m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		0.4m	QN07.05	
	Solanum lasiophyllum	+		0.5m	QN03.13	
	Triodia epactia	+		0.3m	QN07.09	
	Triodia epactia	+		0.3m	QN07.02	
	Triodia lanigera	20%		0.3m	QN07.01	

Quantum Flora 3 Site QN008

Described EC **Date** 8/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Along BHP rail line.

MGA 50 **671103 mE** **7732367 mN**

Habitat Sand plain.

Soil Light orange/ brown loamy sand.

Rock Granite.

Vegetation Acacia bivenosa, Acacia trudgeniana and Acacia ancistrocarpa shrubland over Acacia stellaticeps low open shrubland over Triodia epactia and Triodia lanigera open hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 20%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	15%		1.0-2.0m	QN08.02	
	Acacia ancistrocarpa x stellaticeps	+		0.5m	QN08.04	
	Acacia bivenosa	10%		1.0-1.5m	QN08.01	
	Acacia sericophylla	+		1.5m	QN03.01	
	Acacia stellaticeps	3%		0.7m	QN02.01	
	Acacia trachycarpa	+		0.5m	QN08.03	
	Acacia trudgeniana	1%		1.0-2.0m	QN02.03	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Senna notabilis	+		0.3m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		0.2m	QN08.06	
	Sida pilbarensis (ferruginous form)	+		0.2m	QN08.07	
	Triodia epactia	1%		0.3m	QN07.09	
	Triodia epactia	5%		0.3m	QN02.07	
	Triodia lanigera	25%		0.3m	QN08.05	

Quantum Flora 3 Site QN009

Described ML **Date** 8/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Along BHP rail line.

MGA 50 **670974 mE** **7733004 mN**

Habitat Sand plain.

Soil Light orange/ brown loamy sand.

Rock

Vegetation Acacia ancistrocarpa and Acacia bivenosa shrubland over Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	10%	1.5m	QN08.02
	Acacia ancistrocarpa x stellaticeps	+	1.0m	QN08.04
	Acacia bivenosa	5%	1.0-1.5m	QN08.01
	Acacia stellaticeps	25%	0.6m	QN02.01
	Indigofera monophylla (small calyx form)	+	0.3m	QN02.09
	Triodia epactia	1%	0.3m	QN02.07
	Triodia lanigera	50%	0.3m	QN08.05

Quantum Flora 3 Site QN010

Described	ML	Date	8/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	BHP rail.					
MGA	50		678908	mE		7733946 mN
Habitat	Sand plain.					
Soil	Light orange/ brown loamy sand.					
Rock	Quartz.					
Vegetation	Corymbia flavescens low open woodland over Acacia trudgeniana scattered tall shrubs over Acacia bivenosa and Acacia trachycarpa open shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 30%. Litter cover: -logs; + twigs; + lvs. Disturbance type: Weeds, rubbish and nearby track, fence and rail line.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		1.2m	QN08.02	
	Acacia bivenosa	3%		1.0-1.5m	QN08.01	
	Acacia sericophylla	+		1.0m	QN03.01	
	Acacia stellaticeps	5%		0.7m	QN02.01	
	Acacia trachycarpa	1%		1.0m	QN10.12	
	Acacia trudgeniana	2%		2.0-3.0m	QN02.03	
	Acacia tumida var. pilbarensis	+		1.0m	QN02.08	
	Bonamia linearis	+		0.1m	QN10.05	
	Cenchrus ciliaris	+		0.3m	NC	
	Cleome uncifera subsp. uncifera	+		0.3m	QN10.13	
	Corymbia flavescens	2%		3.0-4.0m	QN10.03	
	Cucumis melo subsp. agrestis	+		CL	QN10.01	
	Dentella minutissima	+		0.1m	QN10.16	
	Euphorbia sp. (FMR70-12)	+		0.1m	QN10.07	
	Euphorbia sp. (site 1089)	+		0.2m	QN10.02	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Pluchea tetranthera	+		0.3m	QN10.14	
	Pterocaulon sphacelatum	+		0.3m	QN10.15	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Ptilotus calostachyus var. calostachyus	+		0.3m	QN10.08	
	Ptilotus fusiformis var. fusiformis	+		0.3m	QN10.09	
	Senna notabilis	+		0.2m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		0.5m	QN10.06	
	Solanum lasiophyllum	+		0.3m	QN03.13	
	Sporobolus actinocladus	+		0.2m	QN10.18	
	Streptoglossa decurrens	+		0.4m	QN10.11	
	Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)	+		0.3m	QN10.04	
	Tinospora smilacina	+		CL	QN10.17	
	Triodia epactia	3%		0.3m	QN02.07	
	Triodia lanigera	35%		0.4m	QN08.05	

Quantum Flora 3 Site QN011

Described EC **Date** 8/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Along BHP rail line.

MGA 50 **670540 mE** **7734720 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia trudgeniana and Acacia ancistrocarpa scattered shrubs over Acacia stellaticeps low scattered shrubs over Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%	1.0m	QN08.02	
	Acacia bivenosa	+	0.5m	QN08.01	
	Acacia stellaticeps	2%	0.6m	QN02.01	
	Acacia trachycarpa	+	2.0m	QN10.12	
	Acacia trudgeniana	2%	1.5m	QN02.03	
	Acacia tumida var. pilbarensis	+	0.5m	QN02.08	
	Bonamia linearis	+	0.3m	QN11.01	
	Bonamia rosea	+	0.3m	QN11.05	
	Cleome uncifera subsp. uncifera	+	0.3m	QN11.04	
	Corymbia flavescens	+	3.0m	QN10.03	
	Cucumis melo subsp. agrestis	+	CL	QN10.01	
	Heliotropium muticum	+	0.3m	QN11.02	
	Indigofera monophylla (small calyx form)	+	0.3m	QN11.03	
	Pluchea tetranthera	+	0.2m	QN10.14	
	Senna notabilis	+	0.3m	QN07.07	
	Sida pilbarensis (ferruginous form)	+	0.5m	QN10.06	
	Triodia lanigera	65%	0.3m	QN08.05	

Quantum Flora 3 Site QN012

Described ML **Date** 9/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Between FMG and BHP rail lines.

MGA 50 **669840 mE** **7726286 mN**

Habitat Sand plain.

Soil Red/ brown clayey loam.

Rock

Vegetation Acacia colei var. colei, Acacia ancistrocarpa and Acacia inaequilatera shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia open hummock grassland over Aristida holathera var. latifolia scattered tussock grasses over Portulaca conspicua and Goodenia lamprosperma scattered herbs.

Veg Excellent.

Fire Old.

Note Aspect: North west.
Bare ground: 25%.
Litter cover: 1% logs; 8% twigs; 10% lvs.
Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon sp.	+		0.2m	QN01.11	
	Acacia ancistrocarpa	8%		0.5-2m	QN04.05	
	Acacia colei var. colei	20%		1.0-3.0m	QN01.13	
	Acacia inaequilatera	3%		1.0-2.0m	QN01.12	
	Acacia stellaticeps	10%		0.5-1m	QN01.01	
	Aristida holathera var. latifolia	2%		<0.5m	QN01.03	
	Bonamia linearis	+		CL	QN12.05	
	Chrysopogon fallax	+		0.4m	QN04.06	
	Corchorus elachocarpus	1%		<0.5m	QN13.14	
	Corchorus incanus subsp. incanus	1%		<0.4m	QN13.07	
	Cullen stipulaceum	+		0.3m	QN12.08	
	Eragrostis aff. eriopoda (WAS site 963)	+		<0.3m	QN01.08	
	Eriachne aristidea	+		<0.1m	QN12.06	
	Euphorbia sp. (B170-4)	+		<0.1m	QN01.05	
	Goodenia lamprosperma	1%		<0.2m	QN13.01	
	Hybanthus aurantiacus	+		<0.3m	QN13.08	
	Indigofera monophylla (small calyx form)	1%		<0.5m	QN01.07	
	Mukia maderaspatana	+		CL	QN12.04	
	Pluchea tetranthera	1%		<0.5m	QN01.16	
	Portulaca conspicua	2%		<0.4m	QN12.07	
	Portulaca conspicua	+		<0.05m	QN12.07	
	Senna notabilis	+		0.1m	QN03.08	
	Sida pilbarensis (ferruginous form)	+		0.4m	QN12.02	
	Triodia epactia	30%		<0.5m	QN14.01	
	Triodia lanigera	1%		<0.5m	QN12.03	
	Triodia lanigera	5%		<0.4m	QN14.05	

Quantum Flora 3 Site QN013

Described ML **Date** 9/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Between FMG and BHP rail lines.

MGA 50 **670315 mE** **7726151 mN**

Habitat Sand plain.

Soil Red/ brown clayey loam.

Rock

Vegetation Acacia colei var. colei high shrubland over Acacia stellaticeps low shrubland over Triodia epactia hummock grassland over Paspalidium rarum, Chrysopogon fallax and Aristida holathera var. latifolia scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 35%.
 Litter cover: + logs; 5% twigs; 8% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	12%		0.5-3m	QN01.13	
	Acacia stellaticeps	20%		<0.5m	QN01.01	
	Aristida holathera var. latifolia	1%		<0.3m	QN01.03	
	Byblis liniflora	+		0.2m	QN13.06	
	Cassytha capillaris	+		CL	QN04.10	
	Chrysopogon fallax	1%		0.3m	QN04.06	
	Corchorus elachocarpus	1%		<0.4m	QN13.14	
	Corchorus incanus subsp. incanus	+		0.4m	QN13.07	
	Cyperus iria	+		<0.3m	QN13.03	
	Eragrostis aff. eriopoda (WAS site 963)	1%		<0.3m	QN01.08	
	Eragrostis speciosa	1%		<0.3m	QN13.10	
	Eriachne sulcata	+		<0.3m	QN13.02	
	Eriachne sulcata	2%		<0.4m	QN13.04	
	Goodenia lamprosperma	2%		<0.3m	QN13.01	
	Heliotropium cunninghamii	+		0.3m	QN13.13	
	Hybanthus aurantiacus	+		0.3m	QN13.08	
	Isotropis atropurpurea	+		<0.2m	QN13.09	
	Marsilea hirsuta	+		<0.3m	QN14.14	
	Paspalidium rarum	1%		<0.2m	QN13.05	
	Pluchea tetranthera	1%		<0.7m	QN01.16	
	Polymeria sp. (site 1365)	+		0.2m	QN13.12	
	Sida pilbarensis (ferruginous form)	+		0.2m	QN04.04	
	Tephrosia aff. uniovulata (HD76)	+		0.2m	QN13.11	
	Triodia epactia	38%		<0.5m	QN14.01	

Quantum Flora 3 Site QN014

Described	ML	Date	9/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	Between FMG and BHP rail lines.					
MGA	50	670754	mE	7726092	mN	
Habitat	Sand plain.					
Soil	Red/ brown clayey loam.					
Rock						
Vegetation	Eucalyptus victrix scattered low trees over Acacia ancistrocarpa and Carissa lanceolata open shrubland over Acacia inaequilatera, Acacia stellaticeps and Pluchea tetranthera low shrubland over Triodia lanigera and Triodia epactia hummock grassland.					
Veg	Excellent.					
Fire	Moderate.					
Note	Aspect: N/A. Bare ground: 25%. Litter cover: - logs; 1% twigs; 2% lvs. Disturbance type: Nil.					

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia ancistrocarpa	2%	1.0-1.5m	QN14.07
Acacia colei var. colei	1%	1.0m	QN01.13
Acacia inaequilatera	2%	0.5-1m	QN01.12
Acacia stellaticeps	15%	<0.75m	QN01.01
Bonamia linearis	+	<0.3m	QN14.04
Carissa lanceolata	2%	1.0-1.5m	QN14.15
Chloris pumilio	+	0.2m	QN14.12
Chrysopogon fallax	1%	<0.5m	QN04.06
Cleome uncifera subsp. uncifera	+	0.3m	QN14.06
Corchorus incanus subsp. incanus	7%	<0.3m	QN13.07
Cyperus concinnus	1%	<0.5m	QN14.10
Eragrostis cumingii	+	0.2m	QN14.13
Eucalyptus victrix	2%	6.0m	QN14.08
Heliotropium muticum	+	0.3m	QN14.03
Indigofera monophylla (small calyx form)	+	<0.3m	QN01.07
Isotropis atropurpurea	+	0.4m	QN14.02
Marsilea hirsuta	+	0.1m	QN14.14
Pluchea tetranthera	1%	<0.5m	QN01.16
Stemodia grossa	+	0.3m	QN14.11
Triodia epactia	3%	<0.5m	QN14.09
Triodia epactia	35%	<0.3m	QN14.01
Triodia lanigera	5%	<0.4m	QN14.05

Quantum Flora 3 Site QN015

Described Season	EC	Date	9/05/2008	Type	Q		50 x 50 m
				Uniformity			
Location	Bottom of rail line option.						
MGA	50		669393	mE			7725988 mN
Habitat	Sand plain.						
Soil	Light orange brown loamy sand with cracked clay surface in depressed areas.						
Rock							
Vegetation	Acacia tumida var. pilbarensis, Acacia trudgeniana and Carissa lanceolata open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland.						
Veg	Excellent.						
Fire	Old.						
Note	Aspect: N/A. Bare ground: 40%. Litter cover: - logs; + twigs; + lvs. Disturbance type: Nearby track.						

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	5%		0.6m	QN02.01	
	Acacia trudgeniana	2%		1.0-1.5m	QN02.03	
	Acacia tumida var. pilbarensis	2%		1.0-1.5m	QN02.08	
	Achyranthes aspera	+		0.3m	QN16.07	
	Bonamia linearis	+		0.2m	QN15.11	
	Bulbostylis barbata	+		0.01m	QN15.10	
	Carissa lanceolata	1%		2.0m	QN15.06	
	Chrysopogon fallax	+		0.4m	QN07.06	
	Cyperus iria	+		0.1m	QN15.03	
	Eragrostis cumingii	+		0.1m	QN15.04	
	Eriachne sulcata	1%		0.2m	QN15.01	
	Fimbristylis dichotoma	+		0.2m	QN15.09	
	Goodenia lamprosperma	+		0.2m	QN15.07	
	Hybanthus aurantiacus	+		0.1m	QN15.08	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Marsilea hirsuta	+		0.1m	QN15.05	
	Pluchea tetranthera	+		0.3m	QN10.14	
	Portulaca oleracea	+		0.1m	QN16.02	
	Trianthema triquetra	+		0.2m	QN15.02	
	Triodia epactia	55%		0.3m	QN02.07	

Quantum Flora 3 Site QN016

Described EC **Date** 8/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Bottom of rail line option.

MGA 50 **mE** 668915 **mN** 7726269

Habitat Sand plain.

Soil Light orange/ brown loamy sand.

Rock

Vegetation Eucalyptus victrix scattered low trees over Acacia ancistrocarpa scattered shrubs over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 40%.
Litter cover: - logs; + twigs; + lvs.
Disturbance type: Cattle and camel tracks.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	1%	1.0-2.0m	QN16.09
	Acacia stellaticeps	5%	0.4m	QN02.01
	Acacia synchronicia	+	1.5m	QN16.10
	Acacia trudgeniana	+	1.0-1.5m	QN02.03
	Acacia tumida var. pilbarensis	+	1.0m	QN02.08
	Achyranthes aspera	+	0.3m	QN16.07
	Cucumis melo subsp. agrestis	+	CL	QN10.01
	Eriachne aristidea	+	0.1m	QN16.04
	Eucalyptus victrix	1%	5.0m	QN16.06
	Fimbristylis dichotoma	+	0.2m	QN16.01
	Indigofera monophylla (small calyx form)	+	0.4m	QN11.03
	Paspalidium rarum	+	0.1m	QN16.03
	Pluchea tetranthera	+	0.3m	QN16.05
	Portulaca oleracea	+	0.1m	QN16.02
	Senna notabilis	+	0.2m	QN07.07
	Triodia epactia	65-70%	0.3m	QN16.08

Quantum Flora 3 Site QN017

Described EC **Date** 9/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Bottom of rail line option.

MGA 50 **668455 mE** **7726377 mN**

Habitat Sandy floodplain.

Soil Light orange/ brown clayey sand.

Rock

Vegetation Eucalyptus victrix and Corymbia flavescens low open woodland over Acacia tumida var. pilbarensis and Acacia ancistrocarpa open shrubland over Pluchea tetranthera low scattered shrubs over Triodia epactia hummock grassland over Chrysopogon fallax scattered tussock

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 20%.
Litter cover: + logs; 2% twigs; 10% lvs.
Disturbance type: Nil.
Notes: Lots of dead Triodia.

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia ancistrocarpa	2%	1.0-1.5m	QN16.09
Acacia stellaticeps	+	0.5m	QN02.01
Acacia tumida var. pilbarensis	10%	1.0-2.0m	QN02.08
Aristida holathera var. latifolia	+	0.3m	QN03.07
Bergia trimera	+	0.1m	QN17.03
Bergia trimera	+	0.1m	QN17.07A
Chrysopogon fallax	1%	0.5m	QN07.06
Cleome viscosa	+	0.2m	QN17.06
Corymbia flavescens	2%	6.0m	QN10.03
Eucalyptus victrix	5%	4.0-8.0m	QN17.05
Goodenia lamprosperma			QN17.07B
Goodenia lamprosperma	1%	0.3m	QN17.01
Indigofera monophylla (small calyx form)	+	0.4m	QN11.03
Phyllanthus maderaspatensis	+	0.3m	QN17.02
Pluchea rubelliflora	+	0.2m	QN17.04
Pluchea tetranthera	3%	0.3m	QN10.14
Senna notabilis	+	0.1m	QN07.07
Stemodia lathraia	+	0.1m	QN17.09
Triodia epactia	50%	0.3m	QN02.07
Waltheria indica	+	0.3m	QN17.08

Quantum Flora 3 Site QN018

Described ML **Date** 9/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Near BHP rail line.

MGA 50 **671152 mE** **7725636 mN**

Habitat Sand plain.

Soil Orange/ red sandy loam with surface of pebbles.

Rock Quartz and Chert.

Vegetation Acacia inaequilatera an Acacia ancistrocarpa scattered shrubs over Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia longiceps and Triodia lanigera hummock grassland over Trianthema triquetra scattered herbs.

Veg Excellent.

Fire Moderate.

Note Aspect: N/A.
Bare ground: 35%.
Litter cover: + logs; 1% twigs; 1% lvs.
Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	2%		1.0-2.0m	QN04.05	
	Acacia inaequilatera	1%		1.0-2.0m	QN01.12	
	Acacia stellaticeps	2%		<0.3m	QN01.01	
	Eriachne sulcata	1%		<0.1m	QN13.02	
	Hybanthus aurantiacus	+		0.3m	QN13.08	
	Indigofera monophylla (small calyx form)	1%		<0.3m	QN01.07	
	Pluchea tetranthera	2%		<0.5m	QN01.16	
	Portulaca conspicua	+		0.1m	QN18.04	
	Portulaca conspicua	1%		<0.1m	QN12.07	
	Sporobolus australasicus	+		<0.2m	QN18.03	
	Trianthema triquetra	+		<0.1m	QN18.05	
	Trianthema triquetra	3%		<0.2m	QN18.02	
	Triodia lanigera	8%		<0.5m	QN12.03	
	Triodia longiceps	60%		<0.4m	QN18.01	

Quantum Flora 3		Site	QN19	
Described	EC	Date	9/05/2008	Type Q
Season				50 x 50 m
			Uniformity	
Location	Bottom of rail line option.			
MGA	50	672032	mE	7725889 mN
Habitat	Sand plain.			
Soil	Light orange/ brown sand.			
Rock				
Vegetation	Corymbia hamersleyana scattered low trees over Acacia trudgeniana and Acacia ancistrocarpa shrubland over low scattered shrubs over Triodia lanigera hummock grassland.			
Veg	Excellent.			
Fire	Old.			
Note	Aspect: N/A. Bare ground: 30%. Litter cover: + logs; 2% twigs; 3% lvs. Disturbance type: Nil.			

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	15%		1.0-2.5m	QN19.01	
	Acacia bivenosa	+		1.2m	QN08.01	
	Acacia sericophylla	+		1.0m	QN03.01	
	Acacia stellaticeps	1%		0.5m	QN02.01	
	Acacia trudgeniana	1%		3.0m	QN02.03	
	Acacia tumida var. pilbarensis	+		1.0-2.0m	QN02.08	
	Bonamia linearis	+		0.3m	QN15.11	
	Corymbia hamersleyana	+		2.0m	QN19.03	
	Goodenia forrestii	+		0.3m	QN53.04	
	Indigofera monophylla (small calyx form)	1%		0.3m	QN11.03	
	Triodia lanigera	65%		0.3m	QN08.05	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.3m	QN19.02	

Quantum Flora 3**Site** QN020

Described EC **Date** 9/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Bottom of rail line option.

MGA 50 **672292 mE** **7726225 mN**

Habitat Sand plain.

Soil Orange/ brown loamy sand surface with clay crust in some areas.

Rock

Vegetation Acacia trudgeniana and Acacia bivenosa open shrubland over Acacia ancistrocarpa, Acacia sericophylla and Acacia stellaticeps low open shrubland over Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 40%.
Litter cover: - logs; 1% twigs; 3% lvs.
Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	3%		1.0m	QN08.02	
	Acacia bivenosa	4%		0.5-1.5m	QN08.01	
	Acacia sericophylla	1%		1.0m	QN03.01	
	Acacia stellaticeps	1%		0.6m	QN02.01	
	Acacia trudgeniana	3%		0.5-3m	QN02.03	
	Bonamia linearis	+		0.2m	QN15.11	
	Goodenia forrestii	+		0.2m	QN53.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Triodia lanigera	55%		0.3m	QN08.05	

Quantum Flora 3

Site QN021

Described EC **Date** 9/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Along BHP rail line.

MGA 50 **672926 mE** **7725446 mN**

Habitat Sand plain.

Soil Light orange/ brown loamy sand.

Rock Quartz.

Vegetation Acacia bivenosa and Acacia ancistrocarpa open shrubland over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 25%.
Litter cover: - logs; 1% twigs; 1% lvs.
Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		1.5m	QN08.02	
	Acacia ancistrocarpa x stellaticeps	+		1.0m	QN21.01	
	Acacia bivenosa	10%		1.0-1.5m	QN08.01	
	Acacia sericophylla	+		1.0m	QN03.01	
	Acacia stellaticeps	10%		0.6m	QN02.01	
	Acacia trudgeniana	+		1.5m	QN02.03	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Salsola tragus subsp. tragus	+		0.3m	QN21.03	
	Triodia epactia	3%		0.3m	QN21.02	
	Triodia lanigera	35%		0.3m	QN08.05	

Quantum Flora 3 Site QN022

Described ML **Date** 9/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Near Cooliarina pool.

MGA 50 **668726 mE** **7733934 mN**

Habitat Sand plain.

Soil Red/ brown clayey loam.

Rock

Vegetation Eucalyptus victrix, Corymbia hamersleyana and Corymbia flavescens low open woodland over Acacia colei var. colei and Hakea lorea subsp. lorea open shrubland over Acacia stellaticeps and Pluchea tetranthera low open shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 28%.
 Litter cover: 2% logs; 8% twigs; 10% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	2%		1.0-3.0m	QN01.13
	Acacia inaequilatera	1%		0.4m	QN01.12
	Acacia stellaticeps	15%		<0.5m	QN01.01
	Alternanthera nana	+		0.4m	QN22.04
	Corymbia flavescens	3%		2.0-5.0m	QN22.01
	Corymbia hamersleyana	1%		1.0-2.0m	QN22.03
	Eucalyptus victrix	3%		6.0-7.0m	QN14.08
	Euphorbia australis	+		0.1m	QN22.05
	Goodenia lamprosperma	+		0.1m	QN13.01
	Hakea lorea subsp. lorea	2%		1.0-2.0m	QN22.02
	Indigofera monophylla (small calyx form)	1%		<0.5m	QN01.07
	Pluchea tetranthera	1%		<0.4m	QN01.16
	Triodia epactia	55%		<0.4m	QN14.01

Quantum Flora 3 Site QN023

Described EC **Date** 9/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Top of rail line option.

MGA 50 669193 **mE** 7733921 **mN**

Habitat Sand plain.

Soil Light orange/ brown sand with clay surface crust.

Rock Quartz.

Vegetation Acacia ancistrocarpa, Acacia bivenosa and Acacia trudgeniana shrubland over Acacia stellaticeps low scattered shrubs over Triodia lanigera hummock grassland.

Veg Very good.

Fire Old.

Note Aspect: N/A.
 Bare ground: 55%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nearby track and some rubbish.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	7%		1.0-1.2.0m	QN08.02
	Acacia bivenosa	5%		0.5-1.5m	QN08.01
	Acacia stellaticeps	1%		0.6m	QN02.01
	Acacia trudgeniana	1%		1.0-2.0m	QN02.03
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03
	Triodia lanigera	35-40%		0.3m	QN08.05

Quantum Flora 3 Site QN024

Described ML **Date** 10/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Top of rail line option.

MGA 50 **668141 mE** **7733748 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia trudgeniana scattered tall shrubs over Acacia ancistrocarpa and Acacia synchronicia scattered shrubs over Acacia stellaticeps low open shrubland over Triodia epactia closed

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 30%.
Litter cover: - logs; + twigs; + lvs.
Disturbance type: Nearby dirt bike track.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	1%	1.5m	QN08.02
	Acacia stellaticeps	3%	0.6m	QN02.01
	Acacia synchronicia	1%	1.5m	QN24.02
	Acacia trudgeniana	1%	3.0m	QN02.03
	Fimbristylis dichotoma	+	0.1m	QN24.03
	Triodia epactia	75%	0.3m	QN24.01

Quantum Flora 3 Site QN025

Described EC **Date** 10/05/2008 **Type** Q **Uniformity** 50 x 50 m

Season

Location Top of rail option.

MGA 50 **667723 mE** **7734020 mN**

Habitat Slightly undulating sand plain.

Soil Light orange/ brown loamy sand with clay surface crust.

Rock

Vegetation Eucalyptus victrix scattered low trees over Acacia ancistrocarpa, Acacia ancistrocarpa x stellaticeps and Acacia trudgeniana open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Recent.

Note Aspect: N/A.
Bare ground: 20%.
Litter cover: 1% logs; + twigs; + lvs.
Disturbance type: Nearby dirt bike track and fire.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	2%		1.0m	QN08.02
	Acacia ancistrocarpa x stellaticeps	1%		1.5m	QN25.01
	Acacia stellaticeps	5%		0.6m	QN02.01
	Acacia trudgeniana	4%		0.5-1.5m	QN02.03
	Eucalyptus victrix	1%		4.0m	QN25.02
	Fimbristylis dichotoma	+		0.1m	QN24.03
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03
	Triodia epactia	65%		0.3m	QN24.01

Quantum Flora 3 Site QN026

Described EC **Date** 10/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Top of rail line option.

MGA 50 **667276 mE** **7733993 mN**

Habitat Sand plain.

Soil Orange/ brown deep sand.

Rock

Vegetation Corymbia hamersleyana low open woodland over Acacia tumida var. pilbarensis and Acacia ancistrocarpa shrubland over Acacia stellaticeps low scattered shrubs over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 20%.
 Litter cover: + logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	1%	1.5m	QN08.02
	Acacia stellaticeps	2%	0.6m	QN02.01
	Acacia tumida var. pilbarensis	12%	1.0-2.0m	QN02.08
	Bonamia linearis	+	CL	QN26.04
	Cassytha capillaris	+	CL	QN05.01
	Chrysopogon fallax	+	0.3m	QN26.03
	Corymbia hamersleyana	4%	2.0-3.0m	QN26.01
	Hybanthus aurantiacus	+	0.1m	QN26.02
	Indigofera monophylla (small calyx form)	+	0.3m	QN11.03
	Melaleuca lasiandra	+	1.0m	QN26.05
	Triodia epactia	50%	0.5m	QN24.01

Quantum Flora 3 Site QN027

Described ML **Date** 10/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Top of rail line alignment.

MGA 50 666918 **mE** 7733797 **mN**

Habitat Sand plain.

Soil Orange/ brown loamy sand.

Rock

Vegetation Acacia trudgeniana, Acacia ancistrocarpa and Acacia sericophylla scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 25%.
 Litter cover: - logs; 1% twigs; 1% lvs.
 Disturbance type: Nearby fence.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		1.2m	QN08.02	
	Acacia sericophylla	+		1.0m	QN03.01	
	Acacia stellaticeps	30%		0.5m	QN02.01	
	Acacia trudgeniana	+		1.0m	QN02.03	
	Acacia tumida var. pilbarensis	+		1.5m	QN02.08	
	Bonamia linearis	+		0.1m	QN15.11	
	Cassytha capillaris	+		CR	QN05.01	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Eriachne obtusa	+		0.3m	QN27.02	
	Eriachne obtusa	+		0.2m	QN27.01	
	Goodenia forrestii	+		0.3m	QN53.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Triodia epactia	35%		0.3m	QN24.01	
	Triodia lanigera	10%		0.3m	QN08.05	

Quantum Flora 3 Site QN028

Described ML **Date** 10/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Along FMG rail line.

MGA 50 666330 **mE** 7728728 **mN**

Habitat Sand plain.

Soil Red/ brown sandy loam.

Rock

Vegetation Corymbia zygophylla and Acacia colei var. colei low open woodland over Acacia ancistrocarpa scattered tall shrubs over Acacia sericophylla and Acacia inaequilatera scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera open hummock grassland over Paraneurachne muelleri and Eriachne obtusa very open tussock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 20%.
 Litter cover: -logs; + twigs;+ lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia ancistrocarpa	2%	2.0-4.0m	QN39.02	
	Acacia colei var. colei	3%	4.0-6.0m	QN01.13	
	Acacia inaequilatera	2%	1.2m	QN01.12	
	Acacia sericophylla	1%	1.5m	QN28.09	
	Acacia stellaticeps	35%	0.5-1.5m	QN01.01	
	Achyranthes aspera	+	<0.2m	QN28.08	
	Aerva javanica	+	0.4m	QN28.10	
	Aristida ingrata	+	0.4m	QN28.04	
	Bonamia linearis	+	CL	QN12.05	
	Bonamia media var. media	+	0.1m	QN28.06	
	Bonamia rosea	1%	<0.4m	QN12.01	
	Carissa lanceolata	+	0.4m	QN28.07	
	Chrysopogon fallax	+	<0.5m	QN04.06	
	Corchorus incanus subsp. incanus	+	<0.4m	QN13.07	
	Corymbia zygophylla	4%	4.0-5.0m	QN28.02	
	Eragrostis aff. eriopoda (WAS site 963)	1%	<0.3m	QN54.04	
	Eriachne obtusa	3%	<0.4m	QN28.01	
	Indigofera monophylla (small calyx form)	+	<0.5-0.6m	QN01.07	
	Mukia maderaspatana	+	CL	QN12.04	
	Paraneurachne muelleri	3%	<0.3m	QN06.04	
	Pimelea ammocharis	1%	0.5-1m	QN28.12	
	Ptilotus calostachyus var. calostachyus	+	0.3m	QN28.14	
	Ptilotus calostachyus var. calostachyus	+	0.75m	QN28.13	
	Sida pilbarensis (ferruginous form)	+	0.3m	QN04.04	
	Sida rohlenae subsp. rohlenae	+	0.3m	QN28.05	
	Triodia epactia	3%	<0.5m	QN28.11	
	Triodia epactia	5%	<0.5m	QN14.01	
	Triodia lanigera	18%	<0.5m	QN28.03	

Quantum Flora 3 Site QN029

Described EC **Date** 10/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Along FMG rail line.

MGA 50 666179 **mE** 7728242 **mN**

Habitat Sand plain.

Soil Light orange sandy loam.

Rock

Vegetation Corymbia zygophylla scattered low trees over Acacia trudgeniana scattered shrubs over Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 40%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		2.0m	QN08.02	
	Acacia sericophylla	+		1.5m	QN03.01	
	Acacia stellaticeps	15%		0.5m	QN02.01	
	Acacia trudgeniana	1%		1.0-2.0m	QN02.03	
	Acacia tumida var. pilbarensis	+		1.0m	QN02.08	
	Cassytha capillaris	+		CL	QN05.01	
	Chrysopogon fallax	+		0.4m	QN07.06	
	Corymbia zygophylla	1%		2.0-3.0m	QN29.01	
	Owenia reticulata	+		1.0m	QN52.02	
	Paraneurachne muelleri	+		0.2m	QN06.04	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Triodia epactia	+		0.3m	QN29.02	
	Triodia epactia	10%		0.4m	QN02.07	
	Triodia lanigera	20%		0.3m	QN06.01	

Quantum Flora 3**Site**

QN030

Described EC**Date** 10/05/2008 **Type** Q

50 x 50 m

Season**Uniformity****Location** Top rail line option.**MGA** 50666493 **mE**7734183 **mN****Habitat** Sand plain.**Soil** Light orange/ brown sand with clay surface crust in places.**Rock****Vegetation** Acacia trudgeniana scattered shrubs over Acacia trudgeniana low open heath over Triodia epactia and Triodia lanigera very open hummock grassland.**Veg** Excellent.**Fire** Old.**Note** Aspect: N/A.

Bare ground: 30%.

Litter cover: - logs; + twigs; + lvs.

Disturbance type: Nearby fence and track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	45%		0.5m	QN02.01	
	Acacia trudgeniana	1%		1.5m	QN02.03	
	Acacia tumida var. pilbarensis	+		1.0m	QN02.08	
	Eucalyptus victrix	+		1.5m	QN25.02	
	Goodenia forrestii	+		0.2m	QN53.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Pluchea tetranthera	+		0.5m	QN30.01	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN30.02	
	Triodia epactia	10%		0.3m	QN24.01	
	Triodia lanigera	1%		0.3m	QN08.05	

Quantum Flora 3 Site QN031

Described ML **Date** 10/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location Top rail line option.

MGA 50 **665991 mE** **7734232 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia trudgeniana scattered shrubs over Acacia stellaticeps low open heath over Triodia lanigera hummock grassland.

Veg Very good.

Fire Old.

Note Aspect: N/A.
Bare ground: 35%.
Litter cover: - logs; + twigs; + lvs.
Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		1.5m	QN08.02	
	Acacia sericophylla	+		0.5m	QN03.01	
	Acacia stellaticeps	35%		0.6m	QN02.01	
	Acacia trudgeniana	1%		1.2m	QN02.03	
	Acacia tumida var. pilbarensis	+		1.0m	QN02.08	
	Aristida holathera var. latifolia	+		0.3m	QN31.04	
	Bonamia linearis	+		0.2m	QN15.11	
	Bonamia pannosa	+		0.3m	QN31.01	
	Corchorus elachocarpus	+		0.3m	QN31.02	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QN31.12	
	Euphorbia australis	+		0.1m	QN31.06	
	Goodenia forrestii	+		0.3m	QN53.04	
	Goodenia microptera	+		0.2m	QN31.11	
	Heliotropium muticum	+		0.2m	QN31.05	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Mollugo molluginea	+		0.2m	QN31.03	
	Senna notabilis	+		0.2m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN30.02	
	Triodia lanigera	30%		0.3m	QN08.05	

Quantum Flora 3 Site QN032

Described	EC	Date	10/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Top of rail line option.					
MGA	50		665398	mE		7733941 mN
Habitat	Sand plain.					
Soil	Light orange/ brown sand.					
Rock						
Vegetatio	Acacia ancistrocarpa, Acacia tumida var. pilbarensis and Acacia inaequilatera scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera hummock					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 30%. Litter cover: - logs; + twigs; + lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		1.2m	QN08.02	
	Acacia inaequilatera	+		1.0m	QN01.12	
	Acacia sericophylla	+		0.5m	QN32.08	
	Acacia stellaticeps	20%		0.5m	QN02.01	
	Acacia tumida var. pilbarensis	+		1.5m	QN02.08	
	Bonamia linearis	+		0.3m	QN15.11	
	Cassytha capillaris	+		CL	QN05.01	
	Corchorus incanus subsp. incanus	+		0.3m	QN32.05	
	Dodonaea coriacea	+		0.5m	QN32.06	
	Eriachne obtusa	+		0.3m	QN05.04	
	Goodenia forrestii	+		0.2m	QN53.04	
	Gossypium australe (Burrup Peninsula form)	+		0.3m	QN32.03	
	Hybanthus aurantiacus	+		0.2m	QN32.07	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Paraneurachne muelleri	+		0.3m	QN06.04	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN32.04	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.4m	QN32.10	
	Senna glutinosa subsp. glutinosa	+		1.0m	QN32.01	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN32.02	
	Triodia epactia	20%		0.4m	QN24.01	
	Triodia lanigera	15%		0.3m	QN08.05	
	Waltheria indica	+		0.3m	QN32.09	

Quantum Flora 3 Site QN033

Described	ML	Date	10/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Along FMG rail line.					
MGA	50		664934	mE		7733794 mN
Habitat	Sand plain.					
Soil	Red/ brown clayey loam.					
Rock						
Vegetation	Owenia reticulata scattered low trees over Acacia colei var. colei, Acacia inaequilatera and Acacia sericophylla open shrubland over Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia hummock grassland over Aristida holathera var. latifolia scattered tussock grasses.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 20%. Litter cover: + logs; + twigs; 2% lvs. Disturbance type: Nil.					

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia colei var. colei	2%	1.0-3.0m	QN01.13
Acacia inaequilatera	1%	1.5m	QN01.12
Acacia sericophylla	1%	1.5m	QN28.09
Acacia stellaticeps	35%	0.5-0.75m	QN01.01
Aristida holathera var. latifolia	1%	<0.5m	QN01.03
Bonamia linearis	+	0.4m	QN12.05
Carissa lanceolata	+	<0.4m	QN14.15
Cassytha capillaris	+	CL	QN04.10
Chrysopogon fallax	+	<0.5m	QN04.06
Cleome uncifera subsp. uncifera	+	0.2m	QN33.02
Corchorus incanus subsp. incanus	+	0.5m	QN13.07
Dodonaea coriacea	+	0.5m	QN33.03
Evolvulus alsinoides var. villocalyx (grey form)	+	<0.3m	QR050.05
Hybanthus aurantiacus	+	0.4m	QN13.08
Owenia reticulata	1%	6.0m	QN01.15
Polymeria calycina	+	<0.3m	QN33.04
Ptilotus astrolasius var. astrolasius	+	0.3m	QN04.11
Scaevola parvifolia subsp. pilbarae	+	<0.3m	QN04.09
Senna artemisioides aff subsp oligophylla (thinly sericeous)	+	0.2m	QN33.05
Sida pilbarensis (ferruginous form)	+	<0.5m	QN33.01
Triodia epactia	4%	<0.5m	QN14.01
Triodia lanigera	40%	<0.5m	QN01.04

Quantum Flora 3 Site QN034

Described EC **Date** 10/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Top of rail line option.

MGA 50 **664322 mE** **7733905 mN**

Habitat Sand plain.

Soil Light orange/ brown loamy sand.

Rock

Vegetation Acacia tumida var. pilbarensis and Acacia trudgeniana scattered shrubs over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: - logs; + twigs; + leaves.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		1.5m	QN08.02	
	Acacia stellaticeps	10%		0.5m	QN02.01	
	Acacia trudgeniana	+		1.0m	QN02.03	
	Acacia tumida var. pilbarensis	1%		1.5m	QN02.08	
	Bonamia linearis	+		0.1m	QN15.11	
	Cassytha capillaris	+		CL	QN05.01	
	Corchorus incanus subsp. incanus	+		0.3m	QN32.05	
	Eriachne obtusa	+		0.3m	QN34.02	
	Eriachne obtusa	+		0.3m	QN05.04	
	Goodenia forrestii	+		0.2m	QN53.04	
	Hibiscus brachychlaenus	+		1.0m	QN34.01	
	Hybanthus aurantiacus	+		0.2m	QN32.07	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Senna glutinosa subsp. glutinosa	+		0.4m	QN32.01	
	Sida pilbarensis (ferruginous form)	+		0.4m	QN32.02	
	Triodia epactia	10%		0.3m	QN24.01	
	Triodia lanigera	30%		0.3m	QN03.05	

Quantum Flora 3 Site QN035

Described ML **Date** 11/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Top of rail line option.

MGA 50 **663764 mE** **7733782 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia and Triodia lanigera open hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 35-45%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	20%		0.6m	QN02.01	
	Acacia tumida var. pilbarensis	1%		1.5-2.0m	QN02.08	
	Cassytha capillaris	+		CL	QN05.01	
	Eriachne obtusa	+		0.3m	QN05.04	
	Goodenia forrestii	+		0.2m	QN53.04	
	Hybanthus aurantiacus	+		0.2m	QN32.07	
	Keraudrenia nephrosperma	+		0.3m	QN35.01	
	Paraneurachne muelleri	+		0.3m	QN06.04	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Scaevola parvifolia subsp. pilbarae	+		0.2m	QN06.02	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN35.02	
	Triodia epactia	5%		0.3m	QN35.04	
	Triodia lanigera	25%		0.3m	QN35.03	

Quantum Flora 3 Site QN036

Described EC **Date** 11/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location New rail line option.

MGA 50 **663194 mE** **7733713 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia open hummock

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 40%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	+	1.0m	QN08.02
	Acacia ancistrocarpa x stellaticeps	+	1.0m	QN36.01
	Acacia sericophylla	+	0.4m	QN36.02
	Acacia stellaticeps	15%	0.5m	QN02.01
	Acacia trudgeniana	+	1.0m	QN02.03
	Acacia tumida var. pilbarensis	+	1.0m	QN02.08
	Chrysopogon fallax	+	0.4m	QN07.06
	Eriachne obtusa	+	0.3m	QN05.04
	Goodenia forrestii	+	0.2m	QN53.04
	Indigofera monophylla (small calyx form)	+	0.3m	QN11.03
	Paraneurachne muelleri	+	0.3m	QN06.04
	Scaevola parvifolia subsp. pilbarae	+	0.2m	QN06.02
	Senna artemisioides subsp. oligophylla x helmsii	+	0.5m	QN32.10
	Triodia epactia	10%	0.3m	QN35.04
	Triodia lanigera	20%	0.3m	QN35.03

Quantum Flora 3 Site QN037

Described EC **Date** 11/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 662801 **mE** 7733770 **mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Corymbia flavescens scattered low trees over Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia open hummock

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 35%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia sericophylla	+		1.0m	QN32.08	
	Acacia stellaticeps	30%		<0.5m	QN02.01	
	Acacia trudgeniana	+		3.0m	QN02.03	
	Acacia tumida var. pilbarensis	1%		1.0-1.5m	QN02.08	
	Aerva javanica	+		0.3m	QN28.10	
	Corymbia flavescens	1%		3.0m	QN10.03	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Triodia epactia	1%		0.3m	QN35.04	
	Triodia lanigera	20%		0.3m	QN35.03	

Quantum Flora 3 Site QN038

Described ML **Date** 11/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location West along FMG rail line.

MGA 50 **mE** 662250 **mN** 7733951

Habitat Sand plain.

Soil Red/ brown clayey loam surface covered with pebbles and cobbles.

Rock Ironstone, Quartz and Chert.

Vegetation Acacia inaequilatera scattered shrubs over Acacia stellaticeps low open heath over Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: + logs; + twigs; 1% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia inaequilatera	1%		1.0-1.5m	QN01.12	
	Acacia sericophylla	+		1.2m	QN28.09	
	Acacia stellaticeps	45%		0.5-1m	QN01.01	
	Cassytha capillaris	+		CL	QN04.10	
	Eragrostis falcata	+		0.4m	QN38.01	
	Indigofera monophylla (small calyx form)	+		0.2m	QN01.09	
	Ptilotus astrolasius var. astrolasius	+		<0.5m	QN04.11	
	Triodia epactia	+		1.0m	QN14.01	
	Triodia lanigera	35%		<0.5m	QN01.04	

Quantum Flora 3 Site QN039

Described ML **Date** 11/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Near Great Northern Highway.

MGA 50 661789 **mE** 7733861 **mN**

Habitat Sand plain.

Soil Red/ brown sandy loam.

Rock

Vegetation Corymbia zygophylla low open woodland over Acacia colei var. colei, Acacia inaequilatera and Acacia ancistrocarpa open shrubland over Acacia sericophylla, Acacia stellaticeps, Senna artemisioides aff subsp oligophylla (thinly sericeous) and Dodonaea coriacea low open heath over Triodia lanigera and Triodia epactia very open hummock grassland over Chrysopogon fallax and Aristida holathera var. latifolia scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 25%.
 Litter cover: 1% logs; 3% twigs; 3% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	2%	1.0-1.5m	QN39.02
	Acacia colei var. colei	5%	1.0-3.0m	QN01.13
	Acacia inaequilatera	1%	1.0-1.5m	QN01.12
	Acacia sericophylla	2%	0.4-1m	QN28.09
	Acacia stellaticeps	35%	0.5-0.75m	QN01.01
	Aerva javanica	1%	<0.3m	QN39.03
	Aristida holathera var. latifolia	1%	<0.5m	QN01.03
	Bonamia rosea	+	<0.3m	QN12.01
	Cassytha capillaris	+	CL	QN04.10
	Chrysopogon fallax	1%	<0.5m	QN04.06
	Corchorus incanus subsp. incanus	+	0.3m	QN13.07
	Corymbia zygophylla	12%	1.0-4.0m	QN28.02
	Dodonaea coriacea	1%	<0.4m	QN39.04
	Eragrostis aff. eriopoda (WAS site 963)	1%	<0.4m	QN54.04
	Evolvulus alsinoides var. villocalyx (grey form)	+	<0.2m	QN41.03
	Evolvulus alsinoides var. villocalyx (grey form)	+	0.3m	QN41.03
	Indigofera monophylla (small calyx form)	+	<0.3m	QN01.09
	Mukia maderaspatana	+	CL	QN12.04
	Owenia reticulata	+	1.0m	QN01.15
	Scaevola spinescens (broad form)	+	0.4m	QN39.05
	Senna artemisioides aff subsp oligophylla (thinly sericeous)	1%	<0.7m	QN33.05
	Tinospora smilacina	+	CL	QN39.01
	Triodia epactia	2%	<0.5m	QN14.01
	Triodia lanigera	8%	<0.5m	QN01.04

Quantum Flora 3 Site QN040

Described EC **Date** 11/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 661247 **mE** 7733861 **mN**

Habitat Sand plain.

Soil Light orange/ brown loamy sand with a hard clay surface in some areas.

Rock

Vegetation Acacia trudgeniana scattered shrubs over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia open hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 40%.
 Litter cover: - logs; 1% twigs; 2% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia sericophylla	+		1.0m	QN32.08	
	Acacia stellaticeps	10%		0.5m	QN02.01	
	Acacia trudgeniana	1%		1.5m	QN02.03	
	Acacia tumida var. pilbarensis	+		0.5m	QN02.08	
	Bonamia linearis	+		0.2m	QN15.11	
	Cassytha capillaris	+		CL	QN05.01	
	Dodonaea coriacea	+		0.3m	QN40.02	
	Pluchea tetranthera	+		0.3m	QN40.01	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Triodia epactia	1%		0.3m	QN35.04	
	Triodia lanigera	25%		0.3m	QN35.03	

Quantum Flora 3 Site QN041

Described ML **Date** 11/05/2008 **Type** Q **Uniformity** 50 x 50 m

Season

Location Near Great Northern Highway.

MGA 50 **660779 mE** **7733661 mN**

Habitat Sand plain.

Soil Red/ brown sandy loam.

Rock

Vegetation Acacia colei var. colei and Acacia inaequilatera scattered shrubs over Ptilotus astrolasius var. astrolasius and Acacia stellaticeps low shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: West.
Bare ground: 30%.
Litter cover: + logs; + twigs; 1% lvs.
Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	1%		1.0-2.0m	QN01.13	
	Acacia inaequilatera	1%		1.0-2.0m	QN01.12	
	Acacia stellaticeps	30%		<0.5m	QN01.01	
	Aristida holathera var. latifolia	+		0.4m	QN01.03	
	Bonamia rosea	+		<0.2m	QN12.01	
	Cassytha capillaris	2%		CL	QN04.10	
	Dolichandrone heterophylla	+		0.3m	QN41.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		<0.1m	QN41.03	
	Gossypium australe (Burrup Peninsula form)	+		0.3m	QN41.04	
	Hibiscus leptocladus	+		0.2m	QN41.01	
	Ptilotus astrolasius var. astrolasius	1%		<0.5m	QN04.11	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN41.02	
	Triodia epactia	3%		<0.5m	QN14.01	
	Triodia lanigera	35%		<0.4m	QN01.04	

Quantum Flora 3 Site QN042

Described	EC	Date	11/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	New rail line option.					
MGA	50		660192	mE		7733932 mN
Habitat	Sand plain.					
Soil	Light orange/ brown sand with a hard clay crust in some areas.					
Rock						
Vegetation	Acacia trudgeniana and Acacia tumida var. pilbarensis high open shrubland over Acacia ancistrocarpa scattered shrubs over Acacia stellaticeps low scattered shrubs over Triodia lanigera and Triodia epactia very open hummock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 50%. Litter cover: + logs; + twigs; 1% lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	2%		1.0-1.5m	QN42.02	
	Acacia ancistrocarpa x stellaticeps	+		0.5m	QN36.01	
	Acacia sericophylla	+		0.5m	QN36.02	
	Acacia stellaticeps	2%		0.5m	QN02.01	
	Acacia trudgeniana	3%		1.0-3.0m	QN02.03	
	Acacia tumida var. pilbarensis	+		1.0m	QN42.01	
	Acacia tumida var. pilbarensis	6%		1.0-3.5m	QN02.08	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Eriachne obtusa	+		0.3m	QN05.04	
	Goodenia forrestii	+		0.3m	QN53.04	
	Gossypium australe (Burrup Peninsula form)	+		0.1m	QN42.03	
	Hybanthus aurantiacus	+		0.3m	QN32.07	
	Indigofera monophylla (small calyx form)	+		0.3m	QN01.09	
	Leptosema anomalum	+		0.2m	QN42.04	
	Paraneurachne muelleri	+		0.3m	QN06.04	
	Senna glutinosa subsp. glutinosa	+		1.0m	QN32.01	
	Triodia epactia	2%		0.3m	QN35.04	
	Triodia lanigera	5%		0.3m	QN35.03	

Quantum Flora 3 Site QN043

Described EC **Date** 11/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location New rail line option.

MGA 50 **659691 mE** **7733923 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis scattered shrubs over Acacia trudgeniana and Acacia stellaticeps low shrubland over Triodia lanigera very open hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: + logs; + twigs; + lvs.
 Disturbance type: Nearby Highway.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia stellaticeps	40%		0.4m	QN02.01
	Acacia trudgeniana	1%		0.5-1m	QN02.03
	Acacia tumida var. pilbarensis	1%		1.0-1.5m	QN02.08
	Cassytha capillaris	+		CL	QN05.01
	Chrysopogon fallax	+		0.4m	QN07.06
	Owenia reticulata	1%		6.0m	QN52.02
	Ptilotus astrolasius var. astrolasius	+		0.2m	QN05.03
	Triodia epactia	+		0.3m	QN35.04
	Triodia lanigera	10%		0.3m	QN35.03

Quantum Flora 3 Site QN044

Described EC **Date** 11/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 659095 **mE** 7734292 **mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia stellaticeps low shrubland over Triodia epactia open hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 25%.
 Litter cover: + logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia stellaticeps	30%		0.5m	QN02.01
	Acacia trudgeniana	+		2.0m	QN02.03
	Acacia tumida var. pilbarensis	+		1.0m	QN02.08
	Cassyltha capillaris	+		CL	QN05.01
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03
	Triodia epactia	2%		0.3m	QN35.04
	Triodia epactia	20%		0.3m	QN45.02

Quantum Flora 3 Site QN045

Described	ML	Date	11/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	New rail line option.					
MGA	50	658565	mE	7734682	mN	
Habitat	Sand plain.					
Soil	Orange/ brown sandy loam.					
Rock						
Vegetation	Corymbia flavescens and Melaleuca lasiandra scattered tall trees over Carissa lanceolata scattered tall shrubs over Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia open hummock grassland over Eriachne obtusa scattered tussock grasses.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 25%. Litter cover: 1% logs; + twigs; + lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia sericophylla	+	1.0m	QN32.08
	Acacia sericophylla	+	0.5m	QN36.02
	Acacia stellaticeps	15%	0.5m	QN02.01
	Acacia tumida var. pilbarensis	3%	1.5m	QN02.08
	Achyranthes aspera	+	0.2m	QN54.05
	Bonamia linearis	+	0.2m	QN15.11
	Carissa lanceolata	1%	3.0m	QN45.07
	Cassyltha capillaris	+	CL	QN05.01
	Chrysopogon fallax	+	0.3m	QN07.06
	Corchorus incanus subsp. incanus	+	0.3m	QN03.11
	Corymbia flavescens	1%	2.0-3.0m	QN45.03
	Cucumis melo subsp. agrestis	+	CL	QN10.01
	Ehretia saligna var. saligna	+	1.0-3.0m	QN45.01
	Eriachne obtusa	2%	0.3m	QN05.04
	Melaleuca lasiandra	1%	3.0m	QN45.04
	Ptilotus astrolasius var. astrolasius	+	0.3m	QN05.03
	Sida pilbarensis (ferruginous form)	+	0.3m	QN32.02
	Triodia epactia	20%	0.5m	QN45.02
	Waltheria indica	+	0.3m	QN45.06
	Waltheria indica	+	0.3m	QN45.05

Quantum Flora 3 Site QN046

Described ML **Date** 12/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 658170 **mE** 7735278 **mN**

Habitat Sand plain.
Soil Red/ brown sandy loam.
Rock
Vegetation Owenia reticulata, Acacia sericophylla and Dolichandrone heterophylla scattered low trees over Acacia colei var. colei, Acacia inaequilatera, Acacia inaequilatera, Acacia ancistrocarpa and Grevillea pyramidalis subsp. pyramidalis high shrubland over Acacia stellaticeps and Triumfetta aff. chaetocarpa (PAN3/4) low shrubland over Triodia epactia open hummock grassland over Eragrostis aff. eriopoda (WAS site 963) very open tussock grassland.

Veg Excellent.
Fire Old.
Note Aspect: N/A.
 Bare ground: 18%.
 Litter cover: 2% logs; 4% twigs; 4% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	1%	1.0-5.0m	QN39.02
	Acacia colei var. colei	10%	2.0-3.0m	QN01.13
	Acacia inaequilatera	5%	2.0-3.0m	QN01.12
	Acacia sericophylla	2%	5.0m	QN46.04
	Acacia stellaticeps	15%	<0.75m	QN01.01
	Aerva javanica	+	<0.4m	QN28.10
	Chrysopogon fallax	+	0.4m	QN04.06
	Dolichandrone heterophylla	1%	3.0-5.0m	QN46.06
	Dolichandrone heterophylla	1%	<0.5m	QN46.05
	Eragrostis aff. eriopoda (WAS site 963)	5%	<0.3m	QN54.04
	Grevillea pyramidalis subsp. pyramidalis	1%	1.0-3.0m	QN46.01
	Owenia reticulata	2%	4.0m	QN01.15
	Pimelea ammodarid	+	0.4m	QN28.12
	Triodia epactia	20%	<0.3m	QN45.02
	Triodia epactia	+	0.4m	QN46.02
	Triumfetta aff. chaetocarpa (PAN3/4)	4%	<0.5m	QN46.03

Quantum Flora 3 Site QN047

Described EC **Date** 12/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location New rail line option.

MGA 50 **657513 mE** **7735588 mN**

Habitat Sand plain on lower slope of low rise.
Soil Light orange/ brown sand.
Rock
Vegetation Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low open heath over Triodia lanigera and Triodia epactia open hummock grassland over Eriachne obtusa scattered
Veg Excellent.
Fire Old.
Note Aspect: N/A.
 Bare ground: 25%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia stellaticeps	35%	0.5m	QN02.01
	Acacia tumida var. pilbarensis	1%	1.0m	QN02.08
	Bonamia linearis	+	0.2m	QN15.11
	Eriachne obtusa	1%	0.3m	QN05.04
	Sida pilbarensis (ferruginous form)	+	0.3m	QN08.06
	Triodia epactia	15%	0.3m	QN35.04
	Triodia lanigera	2%	0.3m	QN08.05

Quantum Flora 3 Site QN048

Described EC **Date** 12/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location New rail line option.

MGA 50 **657432 mE** **7735981 mN**

Habitat Sand plain on lower slope of very low rise.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low open heath over QN48.01 open hummock grassland over Eriachne obtusa scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 40%.
 Litter cover: + logs; 1% twigs; 2% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia stellaticeps	35%		0.5m	QN02.01
	Acacia tumida var. pilbarensis	1%		1.0m	QN02.08
	Chrysopogon fallax	+		0.3m	QN07.06
	Eriachne obtusa	1%		0.3m	QN05.04
	Ptilotus astrolasius var. astrolasius	+		0.4m	QN05.03
	Sida pilbarensis (ferruginous form)	+		0.3m	QN32.02
	Triodia epactia	15%		0.3m	QN48.01

Quantum Flora 3 Site QN049

Described	Date	12/05/2008	Type	Q	50 x 50 m
Season			Uniformity		
Location	New rail line option.				
MGA	50	656733	mE		7736389 mN
Habitat	Sand plain.				
Soil	Light orange/ brown sand.				
Rock					
Vegetation	Acacia sericophylla scattered tall shrubs over Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low shrubland over Triodia epactia very open hummock grassland over Eriachne obtusa scattered tussock grasses.				
Veg	Excellent.				
Fire	Old.				
Note	Aspect: N/A. Bare ground: 30%. Litter cover: + logs; 1% twigs; 1% lvs. Disturbance type: Nil.				

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		0.3m	QN19.01	
	Acacia sericophylla	1%		3.0m	QN49.06	
	Acacia sericophylla	+		0.5m	QN36.02	
	Acacia stellaticeps	30%		0.5m	QN02.01	
	Acacia tumida var. pilbarensis	4%		1.5m	QN02.08	
	Aristida ingrata	+		0.3m	QN49.08	
	Bonamia linearis	+		0.2m	QN49.02	
	Bonamia linearis	+		0.2m	QN15.11	
	Corchorus incanus subsp. incanus	+		0.3m	QN03.11	
	Eriachne obtusa	1%		0.3m	QN05.04	
	Euphorbia sp. (B170-4)	+		0.1m	QN49.07	
	Evolvulus alsinoides var. villocalyx (grey form)	+		0.2m	QN49.03	
	Hakea lorea subsp. lorea	+		2.0m	QN49.04	
	Hybanthus aurantiacus	+		0.2m	QN32.07	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.4m	QN49.05	
	Triodia epactia	10%		0.4m	QN48.01	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.3m	QN49.09	

Quantum Flora 3 Site QN050

Described ML **Date** 12/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location New rail line option.

MGA 50 **656630 mE** **7736994 mN**

Habitat Sand plain on lower slope of low rise.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia open tussock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 35%.
Litter cover: + logs; + twigs; + lvs
Disturbance type: Nil.

SPECIES

Quad	Name	Cover C	Heigh	Specime	Notes
	Acacia stellaticeps	30%	0.5m	QN02.01	
	Acacia tumida var. pilbarensis	1%	1.0-2.0m	QN02.08	
	Aristida ingrata	+	0.3m	QN49.08	
	Chrysopogon fallax	+	0.3m	QN07.06	
	Eriachne obtusa	+	0.3m	QN05.04	
	Evolvulus alsinoides var. villocalyx (grey form)	+	0.1m	QN49.03	
	Triodia epactia	15%	0.3m	QN48.01	

Quantum Flora 3 Site QN051

Described EC **Date** 11/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**
Location New rail line option.
MGA 50 656497 **mE** 7737805 **mN**
Habitat Sand plain.
Soil Light orange/ brown sand.
Rock
Vegetation Acacia stellaticeps low open heath over Triodia epactia open hummock grassland.
Veg Very good.
Fire Old.
Note Aspect: N/A.
 Bare ground: 10%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nearby track and gas pipeline.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa x tumida	+		0.5m	QN51.02
	Acacia stellaticeps	45%		0.4m	QN02.01
	Acacia tumida var. pilbarensis	+		1.0m	QN02.08
	Chrysopogon fallax	+		0.4m	QN07.06
	Triodia epactia	20%		0.3m	QN51.01

Quantum Flora 3 Site QN052

Described ML **Date** 13/05/2008 **Type** Q **Uniformity** 50 x 50 m

Season

Location New rail line option.

MGA 50 **656332 mE** **7738288 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low shrubland over Triodia epactia very open hummock grassland over Waltheria indica scattered herbs.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
Bare ground: 35%.
Litter cover: + logs; + twigs; + lvs.
Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia sericophylla	+		1.5m	QN52.03
	Acacia stellaticeps	30%		0.5m	QN02.01
	Acacia tumida var. pilbarensis	4%		1.5m	QN02.08
	Bonamia linearis	+		0.1m	QN52.01
	Cenchrus ciliaris	+		0.3m	NC
	Chrysopogon fallax	+		0.3m	QN07.06
	Corchorus incanus subsp. incanus	+		0.3m	QN03.11
	Cucumis melo subsp. agrestis	+		CL	QN10.01
	Eriachne obtusa	+		0.3m	QN05.04
	Eriachne obtusa	+		0.2m	QN05.04
	Hakea lorea subsp. lorea	+		1.0m	QN49.04
	Owenia reticulata	2%		7.0m	QN52.02
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03
	Sida rohlenae subsp. rohlenae	+		0.3m	QN52.05
	Triodia epactia	5%		0.3m	QN53.01
	Waltheria indica	1%		0.3m	QN52.04

Quantum Flora 3 Site QN053

Described	EC	Date	13/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	New rail line option.					
MGA	50		656620	mE		7738691 mN
Habitat	Sand plain on low rise.					
Soil	Light orange/ brown sand.					
Rock						
Vegetation	Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low open heath over Triodia epactia very open hummock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 25%. Litter cover: + logs; + twigs; + lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	40%		0.5m	QN02.01	
	Acacia tumida var. pilbarensis	2%		1.5m	QN02.08	
	Corchorus incanus subsp. incanus	+		0.3m	QN03.11	
	Eriachne obtusa	+		0.3m	QN05.04	
	Eriachne obtusa	+		0.3m	QN53.02	
	Evolvulus alsinoides var. villocalyx (grey form)	+		0.2m	QN53.03	
	Goodenia forrestii	+		0.2m	QN53.04	
	Hybanthus aurantiacus	+		0.3m	QN32.07	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Triodia epactia	10%		0.3m	QN53.01	

Quantum Flora 3 Site QN54

Described ML **Date** 13/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location New rail line option.

MGA 50 **656538 mE** **7739181 mN**

Habitat Sand plain.

Soil Red/ brown sandy loam.

Rock

Vegetation Corymbia flavescens scattered low trees over Acacia stellaticeps and Senna notabilis low open shrubland over Aristida holathera var. latifolia, QN54.04, Chrysopogon fallax and *Cenchrus ciliaris very open tussock grassland over Bulbostylis barbata scattered herbs.

Veg Very good.

Fire Young.

Note Aspect: N/A.
 Bare ground: 65%.
 Litter cover: + logs; 2% twigs; 1% lvs.
 Disturbance type: Weeds.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon sp. (HD164)	+		<0.5m	QN54.06	
	Acacia colei var. colei	1%		<0.3m	QN01.13	
	Acacia stellaticeps	2%		0.5-0.75m	QN01.01	
	Achyranthes aspera	+		0.4m	QN54.05	
	Aristida holathera var. latifolia	5%		<0.5m	QN01.03	
	Bonamia linearis	+		<0.1m	QN15.11	
	Bulbostylis barbata	2%		<0.3m	QN54.01	
	Cenchrus ciliaris	1%		<0.3m	NC	
	Chrysopogon fallax	1%		<0.5m	QN04.06	
	Corchorus incanus subsp. incanus	+		<0.4m	QN13.07	
	Corymbia flavescens	1%		2.5m	QN22.01	
	Eragrostis aff. eriopoda (WAS site 963)	2%		<0.4m	QN54.04	
	Fimbristylis oxystachya	+		<0.2m	QN58.01	
	Hibiscus leptocladus	+		0.1m	QN58.03	
	Ipomoea polymorpha	+		0.1m	QN54.07	
	Mukia maderaspatana	+		CL	QN12.04	
	Paraneurachne muelleri	+		<0.05m	QN06.04	
	Senna notabilis	20%		<0.4m	QN07.07	
	Sida rohlenae subsp. rohlenae	+		<0.4m	QN54.03	
	Triodia lanigera	+		<0.2m	QN14.05	
	Waltheria indica	+		0.1m	QN52.04	

Quantum Flora 3 Site QN055

Described	Date	13/05/2008	Type	Q	50 x 50 m
Season			Uniformity		
Location	New rail line option.				
MGA	50	656803	mE		7739725 mN
Habitat	Sand plain on lower slope of low rise.				
Soil	Light orange/ brown sand.				
Rock					
Vegetation	Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps and Senna notabilis low open shrubland over Triodia secunda very open hummock grassland over Aristida holathera var. latifolia scattered tussock grasses.				
Veg	Excellent.				
Fire	Recent.				
Note	Aspect: N/A. Bare ground: 75%. Litter cover: + logs; + twigs; + lvs. Disturbance type: Fire. Notes: Small unburnt patch in centre of Quadrat.				

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	5%		0.5m	QN02.01	
	Acacia tumida var. pilbarensis	1%		1.5m	QN02.08	
	Aristida holathera var. latifolia	2%		0.3m	QN63.08	
	Bonamia linearis	+		0.1m	QN15.11	
	Bulbostylis barbata	+		0.2m	QN63.02	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Corchorus elachocarpus	+		0.2m	QN31.02	
	Corchorus incanus subsp. incanus	+		0.2m	QN03.11	
	Eriachne aristidea	+		0.3m	QN64.01	
	Eriachne sp.	+		0.3m	QN55.03	
	Fimbristylis sp.	+		0.1m	QN55.04	
	Grevillea pyramidalis subsp. pyramidalis	+		0.2m	QN55.02	
	Hybanthus aurantiacus	+		0.3m	QN64.06	
	Paraneurachne muelleri	+		0.3m	QN55.01	
	Senna notabilis	1%		0.2m	QN07.07	
	Triodia secunda	3%		0.3m	QN56.05	

Quantum Flora 3 Site QN056

Described ML **Date** 13/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location New rail line option.

MGA 50 **656707 mE** **7740226 mN**

Habitat Sand plain.

Soil Red/ brown sandy loam.

Rock

Vegetation Corymbia flavescens scattered low trees over Senna notabilis, Pluchea tetranthera and Hybanthus aurantiacus low open shrubland over Triodia secunda and Triodia epactia very open hummock grassland over Aristida holathera var. latifolia, Eragrostis cumingii and Yakirra australiensis var. australiensis very open tussock grassland.

Veg Excellent.

Fire Recent.

Note Aspect: N/A.
Bare ground: 80%.
Litter cover: - logs; + twigs; - lvs.
Disturbance type: Fire.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Aristida holathera var. latifolia	3%		0.4m	QN01.03	
	Bonamia linearis	+		<0.1m	QN15.11	
	Calandrinia sp.	1%		<0.05m	QN56.02	
	Corymbia flavescens	+		2.0m	QN56.07	
	Eragrostis aff. eriopoda (WAS site 963)	+		<0.2m	QN54.04	
	Eragrostis cumingii	+		0.1m	QN66.04	
	Eragrostis cumingii	1%		<0.1m	QN14.13	
	Eragrostis dielsii	+		<0.1m	QN56.03	
	Eriachne sulcata	+		<0.1m	QN57.02	
	Fimbristylis rara	1%		<0.2m	QN66.01	
	Hibiscus leptocladus	+		0.1m	QN58.03	
	Hybanthus aurantiacus	1%		<0.1m	QN13.08	
	Pluchea tetranthera	1%		<0.4m	QN56.06	
	Portulaca conspicua	+		<0.1m	QN18.04	
	Ptilotus gaudichaudii var. gaudichaudii	+		0.1m	QN56.08	
	Senna notabilis	3%		<0.3m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		<0.2m	QN04.04	
	Synaptantha tillaeacea var. tillaeacea	+		<0.1m	QN56.04	
	Triodia epactia	4%		<0.3m	QN14.01	
	Triodia secunda	5%		<0.2m	QN56.05	
	Yakirra australiensis var. australiensis	1%		<0.1m	QN56.01	

Quantum Flora 3 Site QN057

Described EC **Date** 13/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season
Location New rail line option.
MGA 50 **565904 mE** **7740656 mN**
Habitat Sand plain on lower plain.
Soil Light orange/ brown sand.
Rock
Vegetation *Triodia epactia* low open hummock grassland.
Veg Excellent.
Fire Recent.
Note Aspect: N/A.
 Bare ground: 85%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Fire.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	+		0.2m	QN02.08
	<i>Aristida holathera</i> var. <i>latifolia</i>	+		0.3m	QN63.08
	<i>Bulbostylis barbata</i>	+		0.2m	QN63.02
	<i>Eriachne sulcata</i>	1%		0.1m	QN57.02
	<i>Fimbristylis dichotoma</i>	+		0.2m	QN57.03
	<i>Marsilea hirsuta</i>	+		0.1m	QN15.05
	<i>Senna notabilis</i>	+		0.2m	QN07.07
	<i>Solanum lasiophyllum</i>	+		0.2m	QN03.13
	<i>Triodia epactia</i>	4%		0.3m	QN57.01

Quantum Flora 3 Site QN058

Described	ML	Date	13/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	New rail line option.					
MGA	50		656723	mE		7741288 mN
Habitat	Sand plain on low rise.					
Soil	Red/ brown sandy loam.					
Rock						
Vegetation	Senna notabilis low open shrubland over Triodia low scattered hummock grasses over Paraneurachne muelleri, Aristida holathera var. latifolia and Eragrostis aff. eriopoda (WAS site 963) open tussock grassland over Bulbostylis barbata and Paspalidium rarum scattered herbs.					
Veg	Very good.					
Fire	Recent.					
Note	Aspect: North. Bare ground: 50%. Litter cover: + logs; + twigs; - lvs. Disturbance type: Weeds and fire.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	+		<0.1m	QN01.13	
	Aristida holathera var. latifolia	15%		<0.3m	QN01.03	
	Bonamia linearis	+		<0.2m	QN15.11	
	Bonamia media var. media	+		0.2m	QN58.02	
	Bulbostylis barbata	2%		<0.1m	QN54.01	
	Carissa lanceolata	+		0.4m	QN14.15	
	Chrysopogon fallax	+		<0.5m	QN04.06	
	Corchorus incanus subsp. incanus	+		<0.3m	QN13.07	
	Eragrostis aff. eriopoda (WAS site 963)	1%		<0.3m	QN54.04	
	Eriachne benthamii	+		<0.2m	QN66.03	
	Euphorbia sp. (B170-4)	+		<0.1m	QN01.05	
	Evolvulus alsinoides var. villocalyx (grey form)	+		<0.1m	QN41.03	
	Fimbristylis oxystachya	+		<0.2m	QN58.01	
	Hibiscus leptocladus	+		0.2m	QN58.03	
	Hybanthus aurantiacus	+		<0.3m	QN13.08	
	Paraneurachne muelleri	2%		<0.3m	QN06.04	
	Paspalidium rarum	1%		<0.1m	QN13.05	
	Pluchea tetranthera	+		0.1m	QN67.07	
	Senna notabilis	10%		<0.3m	QN07.07	
	Triodia epactia	2%		<0.5m	QN14.01	

Quantum Flora 3 Site QN059

Described	EC	Date	13/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Boodarie hill.					
MGA	50		657107	mE		7737932 mN
Habitat	Sand plain.					
Soil	Light orange/ brown sand.					
Rock						
Vegetation	Owenia reticulata low open woodland over Acacia trudgeniana scattered tall shrubs over Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low open shrubland over Eriachne obtusa and *Cenchrus ciliaris open tussock grassland over *Aerva javanica scattered herbs.					
Veg	Good to Very good.					
Fire	Moderate to Old.					
Note	Aspect: N/A. Bare ground: 35%. Litter cover: + logs; 1% twigs; 1% lvs. Disturbance type: Weeds and kangaroos.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia sericophylla	+		2.0m	QN59.02	
	Acacia stellaticeps	3%		0.5m	QN02.01	
	Acacia trudgeniana	1%		4.0m	QN02.03	
	Acacia tumida var. pilbarensis	10%		1.0-2.0m	QN02.08	
	Achyranthes aspera	+		0.3m	QN54.05	
	Aerva javanica	3%		0.3m	QN28.10	
	Bonamia media var. media	+		0.1m	QN64.07	
	Cenchrus ciliaris	3%		0.3m	NC	
	Dolichandrone heterophylla	+		2.0m	QN59.01	
	Ehretia saligna var. saligna	+		4.0m	QN59.03	
	Eriachne obtusa	30%		0.3m	QN05.04	
	Merremia davenportii	+		CL	QN59.04	
	Owenia reticulata	3%		6.0m	QN52.02	
	Pimelea ammodarid	+		0.4m	QN28.12	
	Tinospora smilacina	+		CL	QN39.01	
	Triodia epactia	1%		0.3m	QN35.04	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.3m	QN49.09	
	Waltheria indica	+		0.3m	QN52.04	

Quantum Flora 3 Site QN060

Described Season	EC	Date	14/05/2008	Type	Q	Uniformity	50 x 50 m
Location	Along BHP rail line.						
MGA	50		669778	mE		7733809	mN
Habitat	Sand plain.						
Soil	Light orange/ brown sand.						
Rock							
Vegetation	Acacia ancistrocarpa, Acacia trudgeniana and Acacia bivenosa shrubland over Triodia lanigera hummock grassland.						
Veg	Excellent.						
Fire	Old.						
Note	Aspect: N/A. Bare ground: 35%. Litter cover: + logs; + twigs; + lvs. Disturbance type: Nil.						

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	10%		1.0-1.5m	QN60.01	
	Acacia bivenosa	1%		1.0m	QN08.01	
	Acacia stellaticeps	+		0.5m	QN02.01	
	Acacia trachycarpa	+		0.5m	QN60.02	
	Acacia trudgeniana	2%		0.5-2m	QN02.03	
	Bonamia linearis	+		0.2m	QN60.03	
	Goodenia forrestii	+		0.3m	QN53.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Mollugo molluginea	+		0.2m	QN60.04	
	Triodia lanigera	35%		0.3m	QN08.05	

Quantum Flora 3 Site QN061

Described	EC	Date	13/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	New rail line option.					
MGA	50		656821	mE		7741699 mN
Habitat	Sand plain.					
Soil	Light orange/ brown sand.					
Rock						
Vegetation	Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low scattered shrubs over Triodia epactia scattered hummock grasses over Aristida holathera var. latifolia and Eriachne aristidea very open tussock grassland.					
Veg	Excellent.					
Fire	Recent to Young.					
Note	Aspect: N/A. Bare ground: 75%. Litter cover: 1% logs; 1% twigs; + lvs. Disturbance type: Fire.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	2%		0.1-0.5m	QN02.01	
	Acacia tumida var. pilbarensis	2%		1.0m	QN02.08	
	Aristida holathera var. latifolia	3%		0.3m	QN63.08	
	Boerhavia coccinea	+		0.3m	QN61.05	
	Bonamia linearis	+		0.2m	QN15.11	
	Bonamia media var. media	+		0.1m	QN61.03	
	Bulbostylis barbata	+		0.2m	QN63.02	
	Bulbostylis barbata	+		0.1m	QN63.02	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Corchorus incanus subsp. incanus	+		0.3m	QN03.11	
	Eriachne aristidea	1%		0.3m	QN64.01	
	Eriachne sp. Port Hedland	+		0.3m	QN63.09	
	Euphorbia australis (mid-green form)	+		0.1m	QN64.09	
	Hibiscus leptocladus	+		0.2m	QN64.03	
	Hibiscus leptocladus	+		0.2m	QN58.03	
	Hybanthus aurantiacus	+		0.3m	QN64.06	
	Marsilea hirsuta	+		0.1m	QN15.05	
	Polymeria sp. (site 1365)	+		0.1m	QN61.01	
	Senna notabilis	+		0.2m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN61.04	
	Triodia epactia	2%		0.3m	QN35.04	
	Yakirra australiensis var. australiensis	+		0.1m	QN61.02	

Quantum Flora 3 Site QN062

Described ML **Date** 13/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location New rail line option.

MGA 50 **656776 mE** **7742171 mN**

Habitat Sand plain.

Soil Red/ brown sandy loam.

Rock

Vegetation Acacia colei var. colei scattered shrubs over Acacia stellaticeps and Pluchea ferdinandi-muelleri low scattered shrubs over Triodia epactia and Triodia secunda hummock grassland.

Veg Excellent.

Fire Young to Moderate.

Note Aspect: N/A.
 Bare ground: 35%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	1%		1.0-2.0m	QN01.13
	Acacia stellaticeps	1%		<0.5m	QN01.01
	Eriachne sp. Port Hedland	+		0.2m	QN62.04
	Fimbristylis dichotoma	1%		<0.1m	QN62.02
	Pluchea ferdinandi-muelleri	1%		<0.5m	QN62.03
	Triodia epactia	30%		<0.3m	QN14.01
	Triodia secunda	25%		<0.3m	QN62.01

Quantum Flora 3 Site QN063

Described EC **Date** 12/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location Where rail line and meets development area.

MGA 50 **656763 mE** **7742834 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Triodia epactia very open hummock grassland over Eriachne sp. Port Hedland scattered tussock grasses.

Veg Good.

Fire Recent.

Note Aspect: N/A.
 Bare ground: 80%.
 Litter cover: - logs; - twigs; + lvs.
 Disturbance type: Fenced paddock and fire.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Aristida holathera var. latifolia	+		0.3m	QN63.08
	Bulbostylis barbata	+		0.1m	QN63.02
	Calandrinia quadrivalvis	+		0.2m	QN63.11
	Calandrinia sp.	+		0.1m	QN63.05
	Commelina ensifolia	+		0.2m	QN63.14
	Eriachne aristidea	+		0.2m	QN63.15
	Eriachne obtusa	+		0.3m	QN63.16
	Eriachne sp. Port Hedland	1%		0.2m	QN63.09
	Fimbristylis sp.	+		0.1m	QN63.06
	Heliotropium foliatum	+		0.2m	QN63.18
	Mollugo molluginea	+		0.1m	QN63.10
	Pluchea ferdinandi-muelleri	+		0.5m	QN63.12
	Pluchea tetranthera	+		0.3m	QN69.01
	Ptilotus fusiformis var. fusiformis	+		0.3m	QN63.17
	Senna notabilis	+		0.3m	QN07.07
	Sida aff. fibulifera (HD148-13)	+		0.1m	QN63.13
	Synaptantha tillaeacea var. tillaeacea	+		0.1m	QN63.04
	Triodia epactia	5%		0.2m	QN63.01
	Triodia epactia	+		0.4m	QN63.07
	Triodia secunda	+		0.2m	QN63.03

Quantum Flora 3 Site QN064

Described	ML	Date	12/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	New rail line option.					
MGA	50	656100	mE	7743639	mN	
Habitat	Sand plain.					
Soil	Light orange/ brown sand.					
Rock						
Vegetation	Chrysopogon fallax, Aristida holathera var. latifolia and Yakirra australiensis var. australiensis scattered grasses over Evolvulus alsinoides var. villosicalyx, Pluchea ferdinandi-muelleri, Tribulopsis angustifolia and Bulbostylis barbata scattered herbs.					
Veg	Very good.					
Fire	Recent.					
Note	Aspect: N/A. Bare ground: 70%. Litter cover: - logs; + twigs; + lvs. Disturbance type: Fire and grazing. Notes: Lots of burnt Acacia stellaticeps.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	+		0.1m	QN02.01	
	Acacia tumida var. pilbarensis	+		0.2m	QN02.08	
	Aristida holathera var. latifolia	+		0.3m	QN63.08	
	Bonamia linearis	+		0.2m	QN15.11	
	Bonamia media var. media	+		0.1m	QN64.07	
	Bulbostylis barbata	+		0.1m	QN63.02	
	Bulbostylis barbata	+		0.1m	QN15.10	
	Chrysopogon fallax	+		0.5m	QN64.10	
	Corchorus incanus subsp. incanus	+		0.2m	QN32.05	
	Desmodium filiforme	+		0.1m	QN64.08	
	Eriachne aristidea	+		0.2m	QN64.01	
	Eriachne sp. Port Hedland	+		0.3m	QN63.09	
	Euphorbia australis (mid-green form)	+		0.1m	QN64.09	
	Evolvulus alsinoides var. villosicalyx	+		0.3m	QN64.12	
	Fimbristylis oxystachya	+		0.3m	QN64.05	
	Hibiscus leptocladus	+		0.2m	QN64.14	
	Hibiscus leptocladus	+		0.2m	QN64.03	
	Hybanthus aurantiacus	+		0.3m	QN64.06	
	Pluchea ferdinandi-muelleri	+		0.3m	QN63.12	
	Senna notabilis	+		0.2m	QN07.07	
	Sida aff. fibulifera (HD148-13)	+		0.3m	QN64.15	
	Sida aff. fibulifera (HD148-13)	+		0.1m	QN64.11	
	Sida aff. fibulifera (HD148-13)	+		0.2m	QN63.13	
	Sida pilbarensis (ferruginous form)	+		0.2m	QN64.04	
	Tribulopsis angustifolia	+		0.3m	QN64.13	
	Yakirra australiensis var. australiensis	+		0.2m	QN64.02	

Quantum Flora 3 Site QN065

Described EC **Date** 12/05/2008 **Type** Q **Uniformity** 50 x 50 m
Season

Location New rail line option.

MGA 50 **657725 mE** **7743512 mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low shrubland over Triodia epactia and Triodia schinzii very open hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: + logs; + twigs; + leaves.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	30%		0.5m	QN02.01	
	Acacia tumida var. pilbarensis	3%		1.5m	QN02.08	
	Cenchrus ciliaris	+		0.3m	NC	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Eriachne obtusa	+		0.3m	QN05.04	
	Evolvulus alsinoides var. villocalyx (grey form)	+		0.2m	QN65.01	
	Hybanthus aurantiacus	+		0.2m	QN32.07	
	Paraneurachne muelleri	+		0.3m	QN06.04	
	Triodia epactia	10%		0.3m	QN07.09	
	Triodia schinzii	1%		0.3m	QN65.02	
	Waltheria indica	+		0.3m	QN49.01	

Quantum Flora 3 Site QN066

Described	ML	Date	12/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Boodarie Iron.					
MGA	50		657246	mE		7744050 mN
Habitat	Sand plain.					
Soil	Red/ light brown sandy loam.					
Rock						
Vegetation	Eucalyptus victrix low woodland over Acacia colei var. colei scattered shrubs over Triodia epactia scattered hummock grasses over *Cenchrus ciliaris, Eriachne benthamii, Eriachne obtusa and Chrysopogon fallax tussock grassland over Marsilea hirsuta and Paspalidium rarum scattered herbs.					
Veg	Very good.					
Fire	Moderate.					
Note	Aspect: N/A. Bare ground: 40%. Litter cover: 1% logs; 1% twigs; 2% lvs. Disturbance type: Weeds and cattle.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia colei var. colei	2%		1.0-3.0m	QN01.13	
	Alternanthera nana	+		<0.3m	QN66.09	
	Aristida holathera var. latifolia	2%		<0.3m	QN01.03	
	Boerhavia coccinea	+		<0.05m	QN66.17	
	Bonamia linearis	+		<0.2m	QN15.11	
	Cenchrus ciliaris	7%		<0.3m	NC	
	Chrysopogon fallax	1%		<0.75m	QN04.06	
	Cleome viscosa	+		0.2m	QN17.06	
	Corchorus incanus subsp. incanus	+		<0.05m	QN13.07	
	Crotalaria ramosissima	+		<0.2m	QN66.15	
	Cyperus blakeanus	+		<0.3m	QN66.12	
	Eragrostis aff. eriopoda (WAS site 963)	2%		<0.3m	QN54.04	
	Eragrostis cumingii	+		0.1m	QN66.04	
	Eragrostis speciosa	+		<0.4m	QN66.08	
	Eriachne benthamii	30%		<0.3m	QN66.03	
	Eriachne obtusa	2%		<0.3m	QN66.13	
	Eucalyptus victrix	15%		6.0-8.0m	QN66.10	
	Fimbristylis rara	1%		0.1m	QN66.01	
	Hibiscus leptocladus	+		<0.2m	QN66.06	
	Hybanthus aurantiacus	+		0.3m	QN13.08	
	Indigofera colutea	+		0.1m	QN66.11	
	Marsilea hirsuta	1%		<0.05m	QN66.02	
	Melaleuca lasiandra	+		0.2m	QN66.14	
	Mukia maderaspatana	1%		CL	QN12.04	
	Paspalidium rarum	1%		<0.2m	QN66.05	
	Senna notabilis	+		0.2m	QN07.07	
	Sida rohlenae subsp. rohlenae	+		<0.3m	QN66.16	
	Solanum phlomoides	+		0.1m	QN66.07	
	Triodia epactia	1%		<0.5m	QN14.01	

Quantum Flora 3 Site QN067

Described **Date** 12/05/2008 **Type** Q **50 x 50 m**
Season **Uniformity**

Location Boodarie Iron.

MGA 50 **656613 mE** **7744425 mN**

Habitat Sand plain.

Soil Red/ light brown sandy loam surface covered with pebbles and cobbles.

Rock Quartz, Chert and Ironstone.

Vegetation Triodia epactia scattered hummock grasses over Commelina ensifolia very open herbland.

Veg Very good.

Fire Recent to Young.

Note Aspect: N/A.
 Bare ground: 70%.
 Litter cover: -logs; + twigs; + lvs.
 Disturbance type: Fire.
 Notes: Many coloniser species.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia stellaticeps	+		0.3m	QN01.01	
	Aristida holathera var. latifolia	+		<0.3m	QN01.03	
	Bonamia linearis	+		<0.2m	QN15.11	
	Bulbostylis barbata	+		<0.2m	QN67.06	
	Chrysopogon fallax	+		<0.75m	QN04.06	
	Commelina ensifolia	4%		0.1m	QN63.14	
	Fimbristylis dichotoma	+		<0.2m	QN67.03	
	Fimbristylis oxystachya	1%		<0.3m	QN67.05	
	Hybanthus aurantiacus	+		0.2m	QN13.08	
	Pluchea tetranthera	+		0.1m	QN67.07	
	Polygala linariifolia	+		<0.1m	QN67.01	
	Schizachyrium fragile	+		<0.2m	QN67.04	
	Senna notabilis	+		<0.2m	QN07.07	
	Stackhousia intermedia	+		<0.1m	QN67.02	
	Triodia epactia	2%		<0.3m	QN14.01	
	Triodia epactia	+		0.2m	QN67.08	

Quantum Flora 3 Site QN068

Described EC **Date** 14/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Top rail line option.

MGA 50 670199 **mE** 7734095 **mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Corymbia flavescens scattered low trees over Acacia ancistrocarpa, Acacia bivenosa, Acacia trudgeniana and Acacia trachycarpa open shrubland over Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 35%.
 Litter cover: - logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	5%		1.0-1.5m	QN60.01	
	Acacia ancistrocarpa x stellaticeps	+		0.7m	QN68.01	
	Acacia bivenosa	1%		1.5m	QN08.01	
	Acacia stellaticeps	1%		1.0m	QN02.01	
	Acacia trachycarpa	1%		1.5m	QN60.02	
	Acacia trudgeniana	1%		1.5m	QN02.03	
	Corymbia flavescens	1%		3.0m	QN10.03	
	Cucumis melo subsp. agrestis	+		CL	QN10.01	
	Goodenia forrestii	+		0.2m	QN53.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Triodia lanigera	35%		0.3m	QN08.05	

Quantum Flora 3 Site QN069

Described ML **Date** 14/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Top of rail ine option.

MGA 50 670543 **mE** 7733686 **mN**

Habitat Sand plain.

Soil Light orange/ brown sand.

Rock

Vegetation Acacia bivenosa, Acacia trachycarpa and Acacia ancistrocarpa open shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 25%.
 Litter cover: + logs; + twigs; + lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		1.0-1.5m	QN60.01	
	Acacia bivenosa	5%		0.5-1.5m	QN08.01	
	Acacia trachycarpa	2%		1.5m	QN60.02	
	Acacia trudgeniana	+		2.0m	QN02.03	
	Euphorbia sp. (B170-4)	+		0.3m	QN01.05	
	Hakea lorea subsp. lorea	+		1.0m	QN49.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Pluchea tetranthera	+		0.2m	QN69.01	
	Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)	+		0.3m	QN69.02	
	Triodia epactia	10%		0.3m	QN53.01	
	Triodia lanigera	25%		0.3m	QN08.05	

Quantum Flora 3 Site QN070

Described	CS	Date	26/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Along BHP rail line.					
MGA	50		671332	mE		7727799 mN
Habitat	Sand plain.					
Soil	Red/ orange loamy sand with hard clay surface in some areas and scattered pebbles and cobbles.					
Rock	Quartz and Ironstone.					
Vegetation	Acacia trudgeniana and Hakea lorea subsp. lorea high open shrubland over Acacia ancistrocarpa and Acacia bivenosa scattered shrubs over Acacia ancistrocarpa x stellaticeps low open shrubland over Triodia epactia and Triodia lanigera hummock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 35%. Litter cover: + logs; + twigs; + lvs. Disturbance type: Nearby fence and track.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	3%		1.0-1.5m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	7%		0.5m	QN74.07	
	Acacia bivenosa	1%		1.5m	QN74.06	
	Acacia colei var. colei	+		1.5-2.0m	QN74.08	
	Acacia trudgeniana	1-2%		2.5-3.0m	QN02.03	
	Bonamia linearis	+		CL	QN70.04	
	Cassytha capillaris	+		CL	QN106.06	
	Goodenia lamprosperma	+		0.3m	QN70.07	
	Hakea lorea subsp. lorea	1%		2.0m	QN70.01	
	Heliotropium muticum	+		0.3m	QN70.09	
	Indigofera monophylla (small calyx form)	+		0.4m	QN74.03	
	Isotropis atropurpurea	+		0.25m	QN70.08	
	Mollugo molluginea	+		0.1m	QN70.13	
	Pluchea tetranthera	+		0.35m	QN74.01	
	Polymeria calycina	+		CR	QN70.10	
	Polymeria sp. (site 1365)	+		CR	QN70.11	
	Ptilotus calostachyus var. calostachyus	+		1.5m	QN70.12	
	Scaevola aff. browniana	+		0.35m	QN70.06	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.3m	QN84.04	
	Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)	+		0.3m	QN70.05	
	Triodia epactia	35%		0.4m	QN70.03	
	Triodia lanigera	25%		0.8m	QN70.02	

Quantum Flora 3 Site QN071

Described	CS	Date	26/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	Along BHP rail line.					
MGA	50	670970	mE	7727612	mN	
Habitat	Sand plain with drainage line running through.					
Soil	Orange/ brown sand surface covered with pebbles.					
Rock	Quartz and Ironstone.					
Vegetation	Eucalyptus victrix scattered low trees over Acacia colei var. colei open shrubland over Acacia ancistrocarpa x stellaticeps low scattered shrubs over Triodia secunda and Triodia epactia hummock grassland over Eriachne obtusa and Chrysopogon fallax and Eriachne benthamii very open tussock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 50%. Litter cover: 1% logs; 1% twigs; 1% lvs. Disturbance type: Nearby track and grazing.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		0.6m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	1%		0.5m	QN74.07	
	Acacia colei var. colei	5%		1.0-2.0m	QN71.05	
	Acacia maitlandii	+		0.6m	QN71.07	
	Acacia trudgeniana	+		0.5m	QN02.03	
	Alternanthera nana	+		0.3m	QN71.03	
	Bonamia linearis	+		CL	QN70.04	
	Cassytha capillaris	+		CL	QN106.06	
	Chrysopogon fallax	2%		0.6m	QN71.06	
	Cyperus blakeanus	+		0.6m	QN71.11	
	Eragrostis dielsii	+		0.1m	QN71.10	
	Eriachne benthamii	1%		0.4m	QN71.04	
	Eriachne obtusa	2%		0.4m	QN71.01	
	Eucalyptus victrix	2%		5.0m	QN71.02	
	Goodenia lamprosperma	+		0.2m	QN71.12	
	Hybanthus aurantiacus	+		0.4m	QN74.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN74.03	
	Isotropis atropurpurea	+		0.3m	QN70.08	
	Pluchea tetranthera	+		0.4m	QN74.01	
	Portulaca oleracea	+		0.05m	QN71.08	
	Ptilotus calostachyus var. calostachyus	+		0.6m	QN70.12	
	Trianthema triquetra	+		0.1m	QN71.09	
	Triodia epactia	30%		0.4m	QN70.03	
	Triodia secunda	5%		0.4m	QN62.01	

Quantum Flora 3 Site QN072

Described	KC	Date	26/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	Between FMG and BHP rail lines.					
MGA	50		669238	mE		7727489 mN
Habitat	Sand plain.					
Soil	Orange/ brown loamy sand with hard clay crust in some areas.					
Rock						
Vegetation	Corymbia hamersleyana low open woodland over Acacia tumida var. pilbarensis open shrubland over Acacia ancistrocarpa x stellaticeps, Scaevola aff. browniana, QN74.03 and Pluchea tetranthera low open heath over Triodia lanigera and Triodia epactia hummock grassland over Aristida holathera var. latifolia and Eriachne obtusa very open tussock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 30%. Litter cover: 1% logs; 1% twigs; 3% lvs. Disturbance type: Cattle.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	30%		0.5-1m	QN74.07	
	Acacia inaequilatera	+		1.5m	QN81.02	
	Acacia tumida var. pilbarensis	10%		1.0-3.0m	QN72.02	
	Alternanthera nana	+		0.1m	QN72.10	
	Aristida holathera var. latifolia	3%		0.4m	QN72.03	
	Bonamia linearis	+		CL	QN70.04	
	Carissa lanceolata	+		0.5m	QN72.05	
	Corymbia hamersleyana	5%		2.0-6.0m	QN72.01	
	Cyperus blakeanus	+		0.5m	QN71.11	
	Eriachne obtusa	1%		0.4m	QN71.01	
	Euphorbia australis	+		CR	QN72.11	
	Goodenia lamprosperma	+		0.2m	QN70.07	
	Hakea lorea subsp. lorea	1%		1.0-1.5m	QN72.04	
	Heliotropium muticum	+		1.5m	QN72.07	
	Hibiscus sturtii var. campylochlamys	+		0.4m	QN72.12	
	Hybanthus aurantiacus	+		0.4m	QN15.08	
	Indigofera monophylla (small calyx form)	2%		0.6m	QN74.03	
	Mukia maderaspatana	+		CL	QN72.06	
	Pluchea tetranthera	1%		0.3m	QN74.01	
	Scaevola aff. browniana	3%		1.0m	QN70.06	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.3m	QN84.04	
	Sida pilbarensis (ferruginous form)	+		0.5m	QN72.08	
	Sida rohlenae subsp. rohlenae	+		0.4m	QN72.09	
	Triodia epactia	25%		0.6m	QN70.03	
	Triodia lanigera	30%		0.5m	QN70.02	

Quantum Flora 3 Site QN073

Described	Date 26/05/2008	Type Q	50 x 50 m
Season		Uniformity	
Location	Between FMG and BHP rail lines.		
MGA	50	667095 mE	7727671 mN
Habitat	Sand plain.		
Soil	Orange/ brown loamy sand.		
Rock			
Vegetation	Acacia sabulosa, Acacia sericophylla, Acacia ancistrocarpa and Acacia tumida var. pilbarensis shrubland over Acacia ancistrocarpa x stellaticeps, Scaevola aff. browniana and Hakea lorea subsp. lorea low shrubland over Triodia lanigera and Triodia epactia hummock grassland over Paraneurachne muelleri scattered tussock grasses.		
Veg	Very good.		
Fire	Old.		
Note	Aspect: N/A. Bare ground: 30%. Litter cover: 1% logs; 1% twigs; 3% lvs. Disturbance type: Nearby fence and track.		

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia ancistrocarpa	3%	1.5-2.0m	QN74.05
Acacia ancistrocarpa x stellaticeps	10%	0.5m	QN74.07
Acacia sabulosa	2%	0.5-2m	QN73.06
Acacia sericophylla	2%	0.5-2m	QN73.09
Acacia tumida var. pilbarensis	5%	0.5-2m	QN72.02
Cenchrus ciliaris	+	0.4m	NC
Clerodendrum tomentosum var. lanceolatum	+	0.6m	QN73.05
Clerodendrum tomentosum var. lanceolatum	+	0.25m	QN73.04
Dolichandrone heterophylla	+	0.4m	QN73.11
Eragrostis aff. eriopoda (WAS site 963)	+	0.2m	QN73.10
Hakea lorea subsp. lorea	1%	0.5-1.5m	QN72.04
Heliotropium muticum	+	0.3m	QN70.09
Hybanthus aurantiacus	+	0.4m	QN74.04
Indigofera monophylla (small calyx form)	+	0.4m	QN01.07
Mukia maderaspatana	+	CL	QN72.06
Owenia reticulata	+	4.0m	QN73.01
Paraneurachne muelleri	1%	0.4m	QN73.07
Paraneurachne muelleri	1%	0.2m	QN73.08
Ptilotus astrolasius var. astrolasius	+	0.5m	QN04.11
Scaevola aff. browniana	1%	0.5m	QN70.06
Scaevola parvifolia subsp. pilbarae	+	0.3m	QN73.02
Senna artemisioides subsp. oligophylla x helmsii	+	0.3m	QN84.04
Tinospora smilacina	+	CL	QN73.03
Triodia epactia	10%	0.4m	QN70.03
Triodia lanigera	50%	0.6m	QN70.02

Quantum Flora 3 Site QN074

Described	KC	Date	27/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	Between FMG and BHP rail lines.					
MGA	50	670673	mE	7730279	mN	
Habitat	Sand plain.					
Soil	Red/ brown sandy loam with hard clay surface in some areas.					
Rock	Quartz and Ironstone.					
Vegetation	Corymbia hamersleyana scattered low trees over Acacia colei var. colei and Acacia ancistrocarpa shrubland over Acacia ancistrocarpa x stellaticeps, Pluchea tetranthera and Indigofera monophylla (small calyx form) low open shrubland over Triodia epactia hummock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 30%. Litter cover: 1% logs; + twigs; + lvs. Disturbance type: Old tracks through site and cattle.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	25%		1.5-2.0m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	4%		0.5-1m	QN74.07	
	Acacia bivenosa	+		1.0m	QN74.06	
	Acacia colei var. colei	1%		2.0m	QN74.08	
	Acacia sericophylla	+		2.0m	QN84.02	
	Bonamia linearis	+		CR	QN70.04	
	Cassytha capillaris	+		CR	QN106.06	
	Corymbia hamersleyana	1%		2.0-4.0m	QN74.11	
	Euphorbia sp. (FMR70-12)	+		0.2m	QN74.02	
	Goodenia lamprosperma	+		0.2m	QN77.02	
	Hybanthus aurantiacus	+		0.4m	QN74.04	
	Indigofera monophylla (small calyx form)	5%		0.5m	QN74.03	
	Isotropis atropurpurea	+		0.4m	QN70.08	
	Pluchea tetranthera	1%		0.3-0.5m	QN74.01	
	Polymeria calycina	+		0.25m	QN74.10	
	Polymeria calycina	+		0.25m	QN74.09	
	Triodia epactia	70%		0.5m	QN74.12	

Quantum Flora 3 Site QN075

Described	Date	28/05/2008	Type	Q	50 x 50 m
Season			Uniformity		
Location	Around billabong.				
MGA	50	669089	mE		7731798 mN
Habitat	Sand plain.				
Soil	Red/ brown sandy loam.				
Rock					
Vegetation	Eucalyptus victrix high open shrubland over Acacia colei var. colei and Acacia ancistrocarpa open shrubland over Triodia epactia hummock grassland over Paraneurachne muelleri and Eriachne benthamii open tussock grassland.				
Veg	Good.				
Fire	Old.				
Note	Aspect: N/A. Bare ground: 50%. Litter cover: - logs; + twigs; 2% lvs. Disturbance type: Weeds, cattle rubbish and tracks.				

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		1.5-2.0m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	+		0.5m	QN74.07	
	Acacia colei var. colei	8%		1.0-3.0m	QN74.08	
	Aeschynomene indica	+		0.3m	QN75.26	
	Alternanthera angustifolia				QN75.24B	
	Alternanthera nana	+		0.2m	QN75.24	
	Boerhavia coccinea	+		CR	QN75.09	
	Centipeda minima subsp. macrocephala	+		0.1m	QN75.22	
	Cleome viscosa	+		0.1m	QN75.11	
	Corchorus incanus subsp. incanus	+		0.5m	QN75.08	
	Cyperus iria	+		0.2m	QN75.15	
	Cyperus squarrosus	+		0.05m	QN75.25	
	Drosera indica	+		0.1m	QN75.13	
	Eragrostis cumingii	+		0.2m	QN75.19	
	Eriachne benthamii	10%		0.5m	QN75.01	
	Eriachne benthamii	+		0.3m	QN75.16	
	Eriachne sulcata	+		0.1m	QN75.14	
	Eriachne sulcata	+		0.3m	QN75.17	
	Eucalyptus victrix	6%		4.0-6.0m	QN75.02	
	Goodenia lamprosperma	+		0.2m	QN77.02	
	Goodenia lamprosperma	+		0.2m	QN75.03	
	Hybanthus aurantiacus	+		CR	QN74.04	
	Indigofera hirsuta	+		0.05m	QN75.12	
	Lipocarpa microcephala	+		0.1m	QN75.20	
	Marsilea hirsuta	+		CR	QN75.21	
	Neptunia monosperma	+		CR	QN75.05	
	Oldenlandia galioides	+		0.1m	QN75.18	
	Paraneurachne muelleri	2%		0.4m	QN90.02	
	Pluchea tetranthera	+		0.3m	QN74.01	
	Polycarpaea corymbosa var. corymbosa	+		0.3m	QN75.27	
	Schoenoplectus lateriflorus	+		0.1m	QN75.23	
	Triodia epactia	35%		0.5m	QN75.04	
	Triodia epactia	5%		0.5m	QN75.06	
	Vigna lanceolata var. lanceolata	+		0.05m	QN75.10	
	Waltheria indica	+		0.5m	QN75.07	

Quantum Flora 3 Site QN076

Described CS **Date** 27/05/2008 **Type** Q **Uniformity** 50 x 50 m

Location New rail line option.

MGA 50 **668860 mE** **7731361 mN**

Habitat Drainage line.

Soil Red/ brown sandy loam.

Rock

Vegetation Eucalyptus victrix low open woodland over Acacia tumida var. pilbarensis, Acacia colei var. colei and Scaevola aff. browniana shrubland over Pluchea tetranthera and QN74.03 scattered shrubs over Triodia epactia very open hummock grassland over Eragrostis speciosa and Eriachne benthamii scattered tussock grasses.

Veg Very good.

Fire Old.

Note Aspect: N/A.
Bare ground: 30%.
Litter cover: 1% logs; 1% twigs; 2% lvs.
Disturbance type: Weeds.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa x stellaticeps	+		0.5m	QN74.07
	Acacia colei var. colei	2-3%		1.0m	QN74.08
	Acacia tumida var. pilbarensis	1-3%		1.5m	QN74.02
	Bergia henschallii	+		CR	QN76.15
	Bonamia rosea	+		CR	QN78.08
	Cassythia capillaris	+		CL	QN106.06
	Corchorus incanus subsp. incanus	+		0.4m	QN75.08
	Dentella minutissima	+		CR	QN76.03
	Desmodium muelleri	+		CR	QN76.16
	Eragrostis cumingii	+		0.25m	QN76.06
	Eragrostis cumingii	+		0.2m	QN76.24
	Eragrostis cumingii	+		0.1m	QN76.05
	Eragrostis speciosa	5%		0.8m	QN76.08
	Eragrostis tenellula	+		0.3m	QN76.22
	Eriachne benthamii	1%		1.0m	QN76.21
	Eucalyptus victrix	7%		3.0-6.0m	QN71.02
	Euphorbia coghlanii	+		0.3m	QN76.14
	Goodenia lamprosperma	+		0.3m	QN77.02
	Hybanthus aurantiacus	+		0.4m	QN74.04
	Indigofera monophylla (small calyx form)	1%		0.4m	QN74.03
	Phyllanthus exilis	+		0.15m	QN76.07
	Phyllanthus exilis	+		0.1m	QN76.12
	Phyllanthus maderaspatensis	+		0.2m	QN76.19
	Pluchea rubelliflora	+		0.5m	QN76.11
	Pluchea tetranthera	2%		0.4m	QN74.01
	Pluchea tetranthera	+		0.4m	QN76.18
	Pluchea tetranthera	+		0.4m	QN74.01
	Scaevola aff. browniana	2%		1.0m	QN70.06
	Senna artemisioides subsp. oligophylla x helmsii	+		0.3m	QN84.04
	Sesbania cannabina	+		0.5-1m	QN76.02
	Stemodia grossa	+		0.3m	QN76.20
	Stemodia lathraia	+		CL	QN76.10
	Stemodia lathraia	+		0.3m	QN76.01
	Triodia epactia	9%		0.4m	QN76.09

Triodia epactia	+	0.15m	QN76.04
Triodia epactia	1%	0.9m	QN76.25
Vigna lanceolata var. lanceolata	+	CR	QN76.17
Vigna lanceolata var. latifolia	+	CR	QN76.23
Wahlenbergia tumidifructa	+	0.4m	QN76.13

Quantum Flora 3 Site QN077

Described Season	CS	Date	27/05/2008	Type	Q	Uniformity	50 x 50 m
Location	New rail line option.						
MGA	50		668910	mE			7733088 mN
Habitat	Floodplain.						
Soil	Orange/ brown loamy sand.						
Rock							
Vegetation	Eucalyptus victix and Corymbia hamersleyana low open woodland over Acacia tumida var. pilbarensis, Acacia colei var. colei and Acacia bivenosa shrubland over Acacia ancistrocarpa x stellaticeps, QN74.03 and Acacia sericophylla low scattered shrubs over Triodia epactia hummock grassland over Goodenia lamprosperma scattered herbs.						
Veg	Very good.						
Fire	Old.						
Note	Aspect: N/A. Bare ground: 30%. Litter cover: 1% logs; 3% twigs; 8% lvs. Disturbance type: Nearby track.						

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia ancistrocarpa x stellaticeps	2%	0.5m	QN74.07
Acacia bivenosa	1%	1.0-1.5m	QN74.06
Acacia colei var. colei	15%	1.0-2.0m	QN74.08
Acacia sericophylla	1%	0.5-1.5m	QN82.02
Acacia tumida var. pilbarensis	5%	1.0-2.0m	QN72.02
Corymbia hamersleyana	2%	1.0-1.5m	QN77.03
Corymbia sp.	+	0.5m	QN77.04
Eucalyptus victrix	8%	2.0-8.0m	QN71.02
Goodenia lamprosperma	1%	0.3m	QN77.02
Indigofera monophylla (small calyx form)	2%	0.4m	QN74.03
Pluchea tetranthera	+	0.2m	QN74.01
Scaevola aff. browniana	+	0.3m	QN70.06
Triodia epactia	70%	0.6m	QN77.01

Quantum Flora 3 Site QN078

Described	Date 27/05/2008	Type Q	50 x 50 m
Season		Uniformity	
Location	New rail line option.		
MGA	50	669398 mE	7732582 mN
Habitat	Sand plain.		
Soil	Orange/ brown sandy loam with hard clay surface in some areas and scattered pebbles and		
Rock			
Vegetation	Corymbia flavescens low open woodland over Acacia ancistrocarpa scattered shrubs over Acacia bivenosa and Acacia stellaticeps low open heath over Triodia hummock grassland.		
Veg	Very good.		
Fire	Old.		
Note	Aspect: N/A. Bare ground: 40%. Litter cover: - logs; + twigs; 1% lvs. Disturbance type: Nearby track.		

SPECIES

Quad	Name	Cover C	Height	Specimen Notes
	Acacia ancistrocarpa	3%	2.0m	QN74.05
	Acacia ancistrocarpa x stellaticeps	20%	0.4m	QN74.07
	Acacia bivenosa	40%	1.0m	QN78.02
	Acacia colei var. colei	+	0.4m	QN78.13
	Acacia inaequilatera	+	1.0m	QN01.12
	Acacia maitlandii	+	1.0m	QN79.04
	Bonamia rosea	+	0.3m	QN78.08
	Corymbia flavescens	5%	2.0-4.0m	QN78.01
	Grevillea wickhamii subsp. hispidula	+	2.0m	QN78.09
	Hakea lorea subsp. lorea	+	1.0m	QN81.05
	Hibiscus leptocladus	+	0.2m	QN78.05
	Hybanthus aurantiacus	+	0.2m	QN78.10
	Indigofera monophylla (small calyx form)	+	0.5m	QN74.03
	Mukia maderaspatana	+	CR	QN78.06
	Rhynchosia minima var. australis	+	CR	QN78.14
	Scaevola aff. cunninghamii	+	0.2m	QN78.04
	Senna artemisioides subsp. oligophylla x helmsii	+	0.2m	QN78.12
	Tinospora smilacina	+	CR	QN78.11
	Tinospora smilacina	+	CR	QN78.07
	Triodia epactia	60%	0.5m	QN78.03

Quantum Flora 3 Site QN079

Described KC **Date** 27/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 670012 **mE** 7731345 **mN**

Habitat Sand plain.

Soil Orange/ brown sandy loam with hard clay surface and scattered pebbles on surface.

Rock Ironstone.

Vegetation Corymbia hamersleyana scattered low trees over Acacia bivenosa and Acacia ancistrocarpa x stellaticeps low open shrubland over Triodia lanigera hummock grassland.

Veg Very good.

Fire Moderate.

Note Aspect: N/A.
 Bare ground: N/A.
 Litter cover: - logs; + twigs; 1% lvs.
 Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	5%		0.5m	QN74.07	
	Acacia bivenosa	5%		1.0m	QN74.06	
	Acacia colei var. colei	+		2.0m	QN79.06	
	Acacia inaequilatera	+		0.8m	QN79.05	
	Acacia maitlandii	+		1.0m	QN79.04	
	Acacia sericophylla	+		1.5m	QN79.03	
	Cassytha capillaris	+		CR	QN106.06	
	Corymbia hamersleyana	1%		4.0m	QN79.01	
	Hakea lorea subsp. lorea	+		1.0m	QN79.07	
	Indigofera monophylla (small calyx form)	+		0.3m	QN74.03	
	Tinospora smilacina	+		CR	QN79.02	
	Triodia lanigera	40%		0.4m	QN79.08	

Quantum Flora 3 Site QN080

Described	CS	Date	27/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	New rail line option.					
MGA	50		671490	mE		7729034 mN
Habitat	Sand plain.					
Soil	Orange/ brown sandy loam with scattered pebbles and cobbles on surface.					
Rock	Limestone and Quartz.					
Vegetation	Corymbia hamersleyana low open woodland over Acacia ancistrocarpa shrubland over Acacia ancistrocarpa x stellaticeps low scattered shrubs over Triodia epactia and Triodia lanigera hummock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 20%. Litter cover: + logs; + twigs; + lvs. Disturbance type: Nearby fence.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	15%		1.0-1.5m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	2%		0.5-1m	QN74.07	
	Acacia ancistrocarpa x stellaticeps	+		1.0m	QN80.01	
	Acacia bivenosa	10%		1.0-1.5m	QN74.06	
	Acacia inaequilatera	1%		0.5-1m	QN01.12	
	Aerva javanica	+		0.4m	QN39.03	
	Corchorus incanus subsp. incanus	+		0.4m	QN75.08	
	Corymbia hamersleyana	3%		4.5m	QN80.02	
	Cullen stipulaceum	+		0.25m	QN80.11	
	Euphorbia coghlanii	+		0.15m	QN80.12	
	Evolvulus alsinoides var. villosicalyx	+		CL	QN80.10	
	Goodenia lamprosperma	+		0.3m	QN77.02	
	Indigofera monophylla (small calyx form)	+		0.4m	QN74.03	
	Isotropis atropurpurea	+		0.2m	QN80.08	
	Melhania sp. Cape Preston (M77-10)	+		0.5m	QN80.06	
	Polymeria calycina	+		0.3m	QN80.07	
	Pterocaulon sphaeranthoides	+		1.0m	QN80.04	
	Rhynchosia minima var. australis	+		CL	QN80.03	
	Triodia epactia	70%		0.6m	QN80.05	
	Triodia lanigera	5%		0.2m	QN80.09	

Quantum Flora 3 Site QN081

Described KC **Date** 27/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 668612 **mE** 7730751 **mN**

Habitat Sand plain.

Soil Orange/ brown sandy loam with hard clay surface.

Rock

Vegetation Eucalyptus victrix scattered low trees over Acacia inaequilatera scattered shrubs over Acacia ancistrocarpa x stellaticeps open heath and Triodia epactia hummock grassland.

Veg Very good.

Fire Moderate.

Note Aspect: N/A.
 Bare ground: 40%.
 Litter cover: - logs; + twigs; 1% lvs.
 Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	40%		0.5m	QN74.07	
	Acacia ancistrocarpa x trachycarpa	+		2.0m	QN81.04	
	Acacia colei var. colei	+		2.0m	QN81.01	
	Acacia inaequilatera	1%		1.0-2.0m	QN81.02	
	Bonamia rosea	+		0.2m	QN81.06	
	Cassyltha capillaris	+		CR	QN106.06	
	Eucalyptus victrix	1%		8.0m	QN81.07	
	Hakea lorea subsp. lorea	+		1.0m	QN81.05	
	Pluchea tetranthera	+		0.3m	QN74.01	
	Triodia epactia	50%		0.4m	QN81.03	

Quantum Flora 3 Site QN082

Described CS **Date** 27/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 668242 **mE** 7730814 **mN**

Habitat Sand plain.

Soil Orange/ brown loamy sand with hard clay crust in some areas.

Rock

Vegetation Corymbia flavescens scattered low trees over Acacia inaequilatera and Acacia ancistrocarpa scattered shrubs over Acacia ancistrocarpa x stellaticeps and Grevillea pyramidalis subsp. pyramidalis low open heath over Triodia epactia hummock grassland.

Veg Very good.

Fire Old.

Note Aspect: N/A.
 Bare ground: 10%.
 Litter cover: + logs; 1% twigs; 1% lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	1%		1.5m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	+		1.5m	QN80.01	
	Acacia ancistrocarpa x stellaticeps	40%		0.5m	QN74.07	
	Acacia colei var. colei	+		1.0-1.5m	QN74.08	
	Acacia inaequilatera	2%		1.0-2.0m	QN81.02	
	Acacia sericophylla	+		2.0m	QN82.02	
	Acacia tumida var. pilbarensis	+		1.0-2.0m	QN72.02	
	Corymbia flavescens	1%		1.0-2.5m	QN82.03	
	Grevillea pyramidalis subsp. pyramidalis	1%		0.5-1.5m	QN82.01	
	Scaevola aff. browniana	+		0.35m	QN70.06	
	Triodia epactia	5%		0.4m	QN82.05	
	Triodia epactia	50%		0.5m	QN82.04	

Quantum Flora 3 Site QN083

Described KC **Date** 28/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 660294 **mE** 7734543 **mN**

Habitat Sand plain.
Soil Orange/ brown loamy sand.
Rock
Vegetation Acacia inaequilatera and Acacia tumida var. pilbarensis open shrubland over Acacia ancistrocarpa x stellaticeps low shrubland over Triodia lanigera open hummock grassland.

Veg Excellent.
Fire Old.
Note Aspect: N/A.
 Bare ground: 60%.
 Litter cover: + logs; + twigs; 2% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	35%		0.5m	QN74.07	
	Acacia inaequilatera	1%		1.0-2.0m	QN81.02	
	Acacia tumida var. pilbarensis	5%		1.5m	QN72.02	
	Bonamia linearis	+		CR	QN70.04	
	Bonamia rosea	+	(+)	0.2m	QN106.04	
	Cassytha capillaris	+		CR	QN106.06	
	Hibiscus sturtii var. campylochlamys	+		1.0m	QN83.02	
	Indigofera monophylla (small calyx form)	+		0.4m	QN74.03	
	Leptosema anomalum	1%		0.3m	QN83.01	
	Paraneurachne muelleri	+		0.3m	QN83.04	
	Ptilotus astrolasius var. astrolasius	+		0.4m	QN05.03	
	Triodia lanigera	20%		0.3m	QN83.03	

Quantum Flora 3 Site QN084

Described	KC	Date	28/05/2008	Type	Q	50 x 50 m
Season				Uniformity		
Location	New rail line option.					
MGA	50		661141	mE		7734861 mN
Habitat	Sand plain.					
Soil	Orange/ brown sandy loam.					
Rock						
Vegetation	Corymbia zygophylla scattered low trees over Acacia tumida var. pilbarensis scattered shrubs over Acacia ancistrocarpa x stellaticeps low shrubland over Triodia epactia hummock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 20%. Litter cover: + logs; 1% twigs; 1% lvs. Disturbance type: Cattle.					

SPECIES

Quad	Name	Cover C	Height	Specimen	Notes
	Acacia ancistrocarpa	+	2.0m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	25%	0.5m	QN74.07	
	Acacia inaequilatera	+	2.0m	QN81.02	
	Acacia sericophylla	+	0.5m	QN84.02	
	Acacia tumida var. pilbarensis	2%	1.0-3.0m	QN72.02	
	Aerva javanica	+	0.5m	QN39.03	
	Bonamia rosea	+	0.2m	QN106.04	
	Corchorus incanus subsp. incanus	+	0.4m	QN75.08	
	Corymbia zygophylla	1%	3.0m	QN84.08	
	Evolvulus alsinoides var. villocalyx (grey form)	+	0.2m	QN84.07	
	Indigofera monophylla (small calyx form)	+	1.0m	QN74.03	
	Mukia maderaspatana	+	CR	QN78.06	
	Owenia reticulata	+	0.5-2m	QN84.03	
	Paraneurachne muelleri	+	0.3m	QN83.04	
	Ptilotus astrolasius var. astrolasius	+	0.3m	NC	
	Senna artemisioides subsp. oligophylla x helmsii	+	1.0m	QN84.04	
	Tinospora smilacina	+	CR	QN84.09	
	Tinospora smilacina	+	0.4m	QN84.06	
	Triodia epactia	30%	0.5m	QN84.05	
	Triodia epactia	1%	0.3m	QN84.01	

Quantum Flora 3 Site QN085

Described	CS	Date	28/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	New rail line option.					
MGA	50	662239	mE	7734800	mN	
Habitat	Sand plain.					
Soil	Orange/ brown sandy loam with hard clay surface in areas.					
Rock	Ironstone.					
Vegetation	Acacia tumida var. pilbarensis, Acacia ancistrocarpa and Acacia inaequilatera open shrubland over Acacia ancistrocarpa x stellaticeps low shrubland over Triodia lanigera and Triodia epactia open hummock grassland over Eragrostis aff. eriopoda (WAS site 963) scattered tussock grasses.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 20% Litter cover: + logs; 1% twigs; 1% lvs. Disturbance type: Cattle.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	2%		1.5m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	20%		0.5m	QN74.07	
	Acacia inaequilatera	2%		1.5-3.0m	QN81.02	
	Acacia sericophylla	+		2.0m	QN82.02	
	Acacia tumida var. pilbarensis	5%		2.0m	QN72.02	
	Carissa lanceolata	+		2m	QN72.05	
	Eragrostis aff. eriopoda (WAS site 963)	2%		0.3m	QN85.02	
	Indigofera monophylla (small calyx form)	+		1.0m	QN74.03	
	Paraneurachne muelleri	+		0.3m	QN83.04	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.1m	QN84.04	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN85.04	
	Triodia epactia	2%		0.2m	QN85.03	
	Triodia lanigera	25%		0.4m	QN85.01	

Quantum Flora 3 Site QN086

Described	Date	28/05/2008	Type	Q	50 x 50 m
Season			Uniformity		
Location	New rail line option.				
MGA	50	663281	mE		7734954 mN
Habitat	Sand plain.				
Soil	Orange/ brown loamy sand.				
Rock					
Vegetation	Acacia ancistrocarpa and Acacia tumida var. pilbarensis open shrubland over Acacia ancistrocarpa x stellaticeps low shrubland over Triodia epactia and Triodia lanigera open hummock grassland over Eriachne obtusa, Eriachne helmsii and Eragrostis aff. eriopoda (WAS site 963) scattered tussock grasses.				
Veg	Very good.				
Fire	Old.				
Note	Aspect: N/A. Bare ground: 80%. Litter cover: + logs; 1% twigs; 1% lvs. Disturbance type: Nearby track.				

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	5%		1.0-2.0m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	15%		0.5-1m	QN74.07	
	Acacia inaequilatera	+		2m	QN01.12	
	Acacia sericophylla	+		0.5m	QN86.06	
	Acacia tumida var. pilbarensis	2%		1.0-1.5m	QN72.02	
	Aristida holathera var. latifolia	+		0.3m	QN86.12	
	Aristida ingrata	+		0.5m	QN86.09	
	Bonamia rosea	+		0.1m	QN86.08	
	Dolichandrone heterophylla	+		0.3m	QN80.15	
	Eragrostis aff. eriopoda (WAS site 963)	1%		0.4m	QN85.02	
	Eriachne helmsii	1% (+)		0.4m	QN86.13	
	Eriachne obtusa	1% (+)		0.5m	QN86.05	
	Indigofera monophylla (small calyx form)	+		0.3m	QN74.03	
	Leptosema anomalum	+		0.3m	QN83.01	
	Paraneurachne muelleri	+		0.4m	QN86.14	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.3m	QN84.04	
	Sida pilbarensis (ferruginous form)	+		0.7m	QN86.04	
	Sida pilbarensis (ferruginous form)	+		0.5m	QN86.11	
	Solanum lasiophyllum	+		0.4m	QN86.10	
	Triodia epactia	7%		0.5m	QN86.02	
	Triodia epactia	7%		0.4m	QN86.01	
	Triodia lanigera	2%		0.3m	QN86.07	
	Waltheria indica	+		0.2m	QN86.03	

Quantum Flora 3 Site QN087

Described CS **Date** 28/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 664057 **mE** 7734589 **mN**

Habitat Sand plain.

Soil Orange/ brown sandy loam.

Rock

Vegetation Acacia tumida var. pilbarensis Acacia inaequilatera and Acacia ancistrocarpa open shrubland over Triodia lanigera and Triodia epactia open hummock grassland.

Veg Very good.

Fire Old.

Note Aspect: N/A.
 Bare ground: 70%.
 Litter cover: + logs; 1% twigs; 1% lvs.
 Disturbance type: Nearby track.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	7%		1.0-1.5m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	5%		0.5-1m	QN74.07	
	Acacia inaequilatera	1%		1.0-2.0m	QN81.02	
	Acacia sericophylla	+		1.5m	QN82.02	
	Acacia sericophylla	+		0.5m	QN87.01	
	Acacia tumida var. pilbarensis	1%		2.0m	QN72.02	
	Bonamia linearis	+		CR	QN70.04	
	Cassyltha capillaris	+		CR	QN106.06	
	Corchorus incanus subsp. incanus	+		0.8m	QN75.08	
	Corymbia flavescens	+		4.0m	QN87.05	
	Dolichandrone heterophylla	+		0.4m	QN80.15	
	Eragrostis aff. eriopoda (WAS site 963)	+	(+)	0.3m	QN85.02	
	Hybanthus aurantiacus	+		0.2m	QN74.04	
	Indigofera monophylla (small calyx form)	+		0.3m	QN74.03	
	Paraneurachne muelleri	(+)		0.4m	QN90.02	
	Ptilotus astrolasius var. astrolasius	+		0.4m	QN05.03	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN86.04	
	Solanum lasiophyllum	+		0.4m	QN86.10	
	Tinospora smilacina	+		CR	QN87.04	
	Triodia epactia	+		0.4m	QN87.02	
	Triodia epactia	10%		0.3m	QN86.02	
	Triodia lanigera	3%		0.2m	QN87.06	
	Triodia lanigera	1%		0.15m	QN87.03	

Quantum Flora 3 Site QN088

Described	KC	Date	28/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	New rail line option.					
MGA	50	663030	mE	7735725	mN	
Habitat	Sand plain.					
Soil	Orange/ brown sandy loam.					
Rock						
Vegetation	Acacia inaequilatera and Acacia tumida var. pilbarensis open shrubland over Acacia ancistrocarpa x stellaticeps low open shrubland over Triodia epactia open hummock grassland.					
Veg	Very good.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 60%. Litter cover: + logs; 1% twigs; 2% lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	10%		0.5m	QN74.07	
	Acacia inaequilatera	5%		1.0-3.0m	QN81.02	
	Acacia tumida var. pilbarensis	1%		1.5m	QN72.02	
	Achyranthes aspera	+		0.4m	QN88.08	
	Aerva javanica	+		0.3m	QN88.09	
	Aristida ingrata	+	(+)	0.4m	QN86.09	
	Cassytha capillaris	+		CR	QN106.06	
	Chrysopogon fallax	+	(+)	0.3m	QN88.06	
	Corymbia flavescens	+		2.0m	QN88.01	
	Grevillea pyramidalis	+		2.0m	QN88.03	
	Hakea lorea subsp. lorea	+		0.5-1.5m	QN88.02	
	Indigofera monophylla (small calyx form)	+	(+)	0.4m	QN74.03	
	Rhynchosia minima var. australis	+		0.1m	QN88.07	
	Sida pilbarensis (ferruginous form)	+		0.5m	QN88.05	
	Triodia epactia	25%		0.4m	QN88.04	

Quantum Flora 3 Site QN089

Described CS **Date** 28/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 660940 **mE** 7736142 **mN**

Habitat Sand plain.

Soil Orange/ brown loamy sand.

Rock

Vegetation Acacia tumida var. pilbarensis and Acacia inaequilatera open shrubland over Acacia ancistrocarpa x stellaticeps low shrubland over Triodia epactia hummock grassland.

Veg Very good.

Fire Old.

Note Aspect: N/A.
 Bare ground: 20%.
 Litter cover: + logs; 1% twigs; 1% lvs.
 Disturbance type: Nearby Highway.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	30%		0.5m	QN74.07	
	Acacia colei var. colei	+		1.2m	QN74.08	
	Acacia inaequilatera	1%		2.0m	QN81.02	
	Acacia sericophylla	+		1.0m	QN84.02	
	Acacia sericophylla	+		1.5m	QN82.02	
	Acacia tumida var. pilbarensis	3%		0.5-1.5m	QN72.02	
	Aristida ingrata	+		0.5m	QN86.09	
	Eriachne benthamii	+		0.3m	QN89.01	
	Grevillea pyramidalis subsp. pyramidalis	+		1.5m	QN82.01	
	Indigofera monophylla (small calyx form)	+		0.3m	QN74.03	
	Mukia maderaspatana	+		CL	QN78.06	
	Paraneurachne muelleri	+		0.25m	QN83.04	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.4m	QN84.04	
	Triodia epactia	30%		0.3m	QN86.02	
	Triodia epactia	40%		0.3m	QN86.01	

Quantum Flora 3 Site QN090

Described	CS	Date	28/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	New rail line option.					
MGA	50	662135	mE	7735647	mN	
Habitat	Sand plain.					
Soil	Orange/ brown loamy sand.					
Rock						
Vegetation	Acacia tumida var. pilbarensis open shrubland over Acacia ancistrocarpa x stellaticeps low open heath over Triodia epactia hummock grassland over Eragrostis aff. eriopoda (WAS site 963) and Paraneurachne muelleri scattered tussock grasses.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 30%. Litter cover: + logs; 1% twigs; 1% lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	+		0.6m	QN90.01	
	Acacia ancistrocarpa x stellaticeps	45%		0.5m	QN74.07	
	Acacia inaequilatera	+		0.5-2m	QN81.02	
	Acacia sericophylla	+		0.4m	QN82.02	
	Acacia tumida var. pilbarensis	5%		1.0-1.5m	QN72.02	
	Aristida ingrata	1% (+)		0.35m	QN86.09	
	Corchorus incanus subsp. incanus	+		0.5m	QN75.08	
	Eragrostis aff. eriopoda (WAS site 963)	1% (+)		0.4m	QN85.02	
	Indigofera monophylla (small calyx form)	+		0.4m	QN74.03	
	Paraneurachne muelleri	1% (+)		0.3m	QN90.02	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03	
	Sida pilbarensis (ferruginous form)	+		0.4m	QN90.03	
	Sida pilbarensis (ferruginous form)	+		0.55m	QN86.04	
	Triodia epactia	10%		0.4m	QN86.02	
	Triodia epactia	60%		0.4m	QN86.01	

Quantum Flora 3 Site QN091

Described Season	CS	Date	29/05/2008	Type	Q	Uniformity	50 x 50 m
Location	New rail line option.						
MGA	50		657548	mE		7740652	mN
Habitat	Sand plain.						
Soil	Orange/ brown sand.						
Rock							
Vegetation	Acacia tumida var. pilbarensis shrubland over Triodia epactia open hummock grassland over Eragrostis aff. eriopoda (WAS site 963) very open tussock grassland.						
Veg	Excellent.						
Fire	Old.						
Note	Aspect: N/A. Bare ground: 40%. Litter cover: 1% logs; 2% twigs; 5% lvs. Disturbance type: Nil. Notes: Many dead shrubs (1m).						

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon otocarpum	+		0.6m	QN91.01	
	Acacia ancistrocarpa x stellaticeps	+		0.5m	QN74.07	
	Acacia tumida var. pilbarensis	25%		1.5-2.0m	QN72.02	
	Bonamia media var. media	+		CL	QN91.15	
	Bonamia media var. media	+		0.1m	QN91.09	
	Cassytha capillaris	+		CL	QN91.16	
	Corchorus incanus subsp. incanus	+		0.4m	QN75.08	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.4m	QN91.11	
	Eragrostis aff. eriopoda (WAS site 963)	5%		0.3m	QN91.02	
	Eragrostis sp.	+		CL	QN91.10	
	Evolvulus alsinoides var. villosicalyx	+		CL	QN91.13	
	Hakea lorea subsp. lorea	+		0.5m	QN91.06	
	Hibiscus sturtii var. campylochlamys	+		0.4m	QN91.07	
	Indigofera linifolia	+		0.15m	QN91.05	
	Indigofera monophylla (small calyx form)	+		0.5m	QN74.03	
	Mollugo molluginea	+		0.15m	QN91.14	
	Sida rohlenae subsp. rohlenae	+		0.3m	QN91.08	
	Tephrosia sp.	+		0.1m	QN91.12	
	Triodia epactia	5%		0.4m	QN91.04	
	Triodia epactia	15%		0.4m	QN91.03	

Quantum Flora 3 Site QN092

Described EC **Date** 28/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA 50 658757 **mE** 7736325 **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia trudgeniana, Acacia tumida var. pilbarensis, Acacia sericophylla and Acacia colei var. colei high open shrubland over Acacia stellaticeps and Sida pilbarensis (ferruginous form) low open shrubland over Triodia epactia and Triodia schinzii open hummock grassland over Paraneurachne muelleri scattered tussock grasses.

Veg Very Good.

Fire Old.

Note Bare Ground: 50%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Powerlines nearby.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia colei var. colei	1%		2.0m	QN92.07
	Acacia sericophylla	1%		2.0-3.0m	QN92.09
	Acacia stellaticeps	4%		0.5m	QN02.01
	Acacia trudgeniana	3%		3.0m	QN02.03
	Acacia tumida var. pilbarensis	1%		2.0m	QN02.08
	Corymbia flavescens	+		1.0m	QN92.10
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QN92.02
	Indigofera monophylla (small calyx form)	+		0.4m	QN11.03
	Paraneurachne muelleri	2%		0.2m	QN06.04
	Pimelea ammocharis	+		0.8m	QN92.04
	Pluchea tetranthera	+		0.3m	QN92.11
	Ptilotus astrolasius var. astrolasius	+		0.2m	QN92.06
	Senna notabilis	+		0.4m	QN92.08
	Sida pilbarensis (ferruginous form)	1%		0.3m	QN92.01
	Solanum lasiophyllum	+		0.5m	QN04.19
	Triodia epactia	15%		0.3m	QN92.03
	Triodia schinzii	1%		0.4m	QN92.05

Quantum Flora 3 Site QN093

Described EC **Date** 28/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA 50 657859 **mE** 7736445 **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia colei var. colei and Acacia tumida var. pilbarensis high open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia very open hummock grassland over Paraneurachne muelleri scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Bare Ground: 30%
Litter cover: + Logs, +Twigs, + Lvs.

SPECIES

Quad Name	Cover C	Height	Specimen Notes
Acacia colei var. colei	2%	3.0m	QN92.07
Acacia sericophylla	+	2.0m	QN93.01
Acacia stellaticeps	10%	0.5m	QN02.01
Acacia tumida var. pilbarensis	6%	1.0-3.0m	QN02.08
Aristida holathera var. latifolia	+	0.3m	QN93.03
Bonamia rosea	+	0.2m	QN12.01
Chrysopogon fallax	+	0.3m	QN07.06
Corchorus incanus subsp. incanus	+	0.5m	QN13.07
Eragrostis aff. eriopoda (WAS site 963)	+	0.3m	QN54.04
Eriachne obtusa	+	0.3m	QN93.04
Hibiscus leptocladus	+	0.3m	QN93.06
Kennedia prorepens	+	0.3m	QN93.05
Owenia reticulata	+	0.5m	QN52.02
Paraneurachne muelleri	1%	0.3m	QN06.04
Senna notabilis	+	0.4m	QN07.07
Solanum lasiophyllum	+	0.4m	QN04.19
Triodia epactia	5%	0.4m	QN92.03
Waltheria indica	+	0.2m	QN93.02

Quantum Flora 3 Site QN094

Described EC **Date** 28/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA 50 659729 **mE** 7735182 **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Owenia reticulata scattered low trees over Acacia tumida var. pilbarensis scattered shrubs over Acacia stellaticeps low shrubland over Triodia epactia very open hummock grassland over Paraneurachne muelleri and Eriachne obtusa scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Bare Ground: 30%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia sericophylla	+		0.5m	QN94.01
	Acacia stellaticeps	25%		0.5-0.7m	QN02.01
	Acacia trudgeniana	+		1.0m	QN02.03
	Acacia tumida var. pilbarensis	2%		1.0-1.5m	QN02.08
	Cassytha capillaris	+		CL	QN05.01
	Chrysopogon fallax	+		0.3m	QN07.06
	Corchorus incanus subsp. incanus	+		0.3m	QN13.07
	Eriachne obtusa	1%		0.3m	QN66.13
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03
	Owenia reticulata	+		2.0m	QN52.02
	Paraneurachne muelleri	1%		0.3m	QN06.04
	Sida pilbarensis (ferruginous form)	+		0.3m	QN85.04
	Triodia epactia	8%		0.3m	QN92.03
	Waltheria indica	+		0.3m	QN93.02

Quantum Flora 3 Site QN095

Described EC **Date** 28/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA 50 660231 **mE** 7736443 **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low shrubland over Triodia epactia very open hummock grassland over Paraneurachne muelleri scattered tussock grasses.

Veg Excellent.

Fire Old.

Note Bare Ground: 20%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon aff. dioicum (HD195)	+		0.3m	QN95.02	
	Acacia sericophylla	+		3.0m	QN32.08	
	Acacia stellaticeps	25%		0.5-0.8m	QN02.01	
	Acacia trudgeniana	+		2.0m	QN02.03	
	Acacia tumida var. pilbarensis	5%		1.0-2.5m	QN02.08	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Corchorus incanus subsp. incanus	+		0.5m	QN03.11	
	Eriachne obtusa	+		0.3m	QN66.13	
	Paraneurachne muelleri	1%		0.3m	QN06.04	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN95.01	
	Triodia epactia	10%		0.3m	QN92.03	

Quantum Flora 3 Site QN096

Described EC **Date** 28/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA 50 **659482 mE** **7735681 mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis high open shrubland over Acacia stellaticeps low shrubland over Triodia epactia very open hummock grassland over Paraneurachne muelleri scattered tussock

Veg Excellent.

Fire Old.

Note Bare Ground: 25%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia sericophylla	+		0.5m	QN32.08
	Acacia stellaticeps	35%		0.6m	QN02.01
	Acacia tumida var. pilbarensis	10%		2.5m	QN02.08
	Chrysopogon fallax	+		0.4m	QN07.06
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03
	Paraneurachne muelleri	2%		0.3m	QN06.04
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN05.03
	Sida pilbarensis (ferruginous form)	+		0.2m	QN85.04
	Triodia epactia	10%		0.4m	QN92.03

Quantum Flora 3 Site QN097

Described	CS	Date	29/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	New rail line option.					
MGA	50	657607	mE	7742212	mN	
Habitat	Sand plain.					
Soil	Orange/ brown loamy sand.					
Rock						
Vegetation	Acacia tumida var. pilbarensis shrubland over Sida rohlenae subsp. rohlenae, Acacia ancistrocarpa x stellaticeps and Abutilon otocarpum low shrubland over Eragrostis aff. eriopoda (WAS site 963) very open tussock grassland over Bonamia media var. media very open herbland.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 40%. Litter cover: 1% logs; 2% twigs; 10% lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon otocarpum	1%		0.15m	QN97.07	
	Acacia ancistrocarpa x stellaticeps	30%		0.5-0.7m	QN74.07	
	Acacia sericophylla	+		2.0m	QN82.02	
	Acacia tumida var. pilbarensis	25%		1.0-1.5m	QN72.02	
	Bonamia linearis	+		CL	QN97.06	
	Bonamia media var. media	+		CL	QN97.02	
	Bonamia media var. media	10%		0.4m	QN99.04	
	Chrysopogon fallax	+		0.3m	QN97.03	
	Corchorus incanus subsp. incanus	+		0.4m	QN75.08	
	Eragrostis aff. eriopoda (WAS site 963)	5%		0.3m	QN91.02	
	Evolvulus alsinoides var. villosicalyx	+		CL	QN91.13	
	Hakea lorea subsp. lorea	+		0.5m	QN97.04	
	Hibiscus sturtii var. campylochlamys	+		0.3m	QN97.01	
	Hybanthus aurantiacus	+		0.1m	QN74.04	
	Indigofera monophylla (small calyx form)	+		0.4m	QN74.03	
	Indigofera monophylla (small calyx form)	+		0.4m	QN98.05	
	Mollugo molluginea	+		0.1m	QN97.05	
	Mukia maderaspatana	+		CL	QN78.06	
	Sida rohlenae subsp. rohlenae	5%		0.3m	QN99.03	
	Waltheria indica	+		0.4m	QN98.03	

Quantum Flora 3 Site QN098

Described	KC	Date	29/05/2008	Type	Q	50 x 50 m
Season		Uniformity				
Location	New rail line option.					
MGA	50		657476	mE		7741579
Habitat	Sand plain.					
Soil	Orange/ brown loamy sand.					
Rock						
Vegetation	Owenia reticulata scattered low trees over Acacia inaequilatera and Acacia tumida var. pilbarensis open shrubland over Acacia ancistrocarpa x stellaticeps and Pimelea ammocharis low open shrubland over Triodia epactia open hummock grassland.					
Veg	Excellent.					
Fire	Old.					
Note	Aspect: N/A. Bare ground: 30%. Litter cover: + logs; 1% twigs; 5% lvs. Disturbance type: Nil.					

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	2%		0.5m	QN74.07	
	Acacia inaequilatera	1%		2.5m	QN81.02	
	Acacia sericophylla	+		2.0m	QN99.01	
	Acacia tumida var. pilbarensis	10%		0.5-2m	QN72.02	
	Chrysopogon fallax	+		0.3m	QN98.04	
	Corchorus incanus subsp. incanus	+		0.4m	QN75.08	
	Evolvulus alsinoides var. villosicalyx	+		CL	QN91.13	
	Grevillea pyramidalis subsp. pyramidalis	+		2.0m	QN99.05	
	Hybanthus aurantiacus	+		0.15m	QN99.02	
	Hybanthus aurantiacus	+		0.4m	QN74.04	
	Indigofera monophylla (small calyx form)	+		0.25m	QN98.05	
	Indigofera monophylla (small calyx form)	1%		0.3m	QN74.03	
	Ipomoea muelleri	+		CL	QN98.06	
	Mukia maderaspatana	+		CL	QN78.06	
	Owenia reticulata	1%		5.0-6.0m	QN84.03	
	Pimelea ammocharis	5%		0.4m	QN92.04	
	Pluchea tetranthera	+		0.5m	QN74.01	
	Sida rohlenae subsp. rohlenae	+		0.8m	QN91.08	
	Triodia epactia	20%		0.35m	QN92.03	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.5m	QN98.02	
	Waltheria indica	+		0.2m	QN98.07	
	Waltheria indica	+		0.4m	QN98.03	

Quantum Flora 3 Site QN099

Described KC **Date** 29/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location New rail line option.

MGA 50 657372 **mE** 7741108 **mN**

Habitat Sand plain.
Soil Orange/ brown sand.
Rock
Vegetation Acacia tumida var. pilbarensis and Acacia inaequilatera open shrubland over Acacia ancistrocarpa x stellaticeps, Pimelea ammocharis and Isotropis atropurpurea low shrubland over Triodia epactia very open hummock grassland.

Veg Excellent.
Fire Old.
Note Aspect: N/A.
 Bare ground: 40%.
 Litter cover: + logs; 1% twigs; 2% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa x stellaticeps	30%		0.5-1m	QN74.07	
	Acacia inaequilatera	1%		1.5m	QN81.02	
	Acacia sericophylla	+		0.5-1m	QN99.01	
	Acacia tumida var. pilbarensis	7%		1.5-2.0m	QN72.02	
	Aerva javanica	+		0.4m	QN39.03	
	Bonamia media var. media	+		CL	QN99.04	
	Corchorus incanus subsp. incanus	+		0.3m	QN75.08	
	Eriachne benthamii	+		0.4m	QN75.01	
	Grevillea pyramidalis subsp. pyramidalis	+		0.2m	QN99.05	
	Hybanthus aurantiacus	+		0.4m	QN74.04	
	Hybanthus aurantiacus	+		0.15m	QN99.02	
	Indigofera monophylla (small calyx form)	+		0.4m	QN74.03	
	Isotropis atropurpurea	2%		1.0m	QN70.08	
	Mukia maderaspatana	+		CL	QN78.06	
	Pimelea ammocharis	10%		0.5m	QN92.04	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN86.04	
	Sida rohlenae subsp. rohlenae	+		0.35m	QN99.03	
	Triodia epactia	5%		0.3m	QN92.03	

Quantum Flora 3 Site QN100

Described EC **Date** 29/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA 50 **657565 mE** **7738777 mN**
Habitat Sand Plain.
Soil Light orange brown sand.
Rock
Vegetation Acacia trudgeniana open shrubland over Senna notabilis low open shrubland.
Veg Very Good.
Fire Recent.
Note Bare Ground: 50%
 Litter cover: + Logs, + Twigs, + Lvs.
 Disturbance type: Fire.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia pyrifolia	+		0.4m	QN103.15	
	Acacia sericophylla	+		1.0m	QN100.01	
	Acacia trudgeniana	3%		1.0-2.5m	QN02.03	
	Aristida holathera var. latifolia	+		0.3m	QN63.08	
	Bonamia linearis	+		0.1m	QN100.03	
	Bonamia linearis	+		0.2m	QN100.08	
	Bonamia linearis	+		0.2m	QN15.11	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Corchorus incanus subsp. incanus	+		0.3m	QN13.07	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QN100.06	
	Eriachne obtusa	+		0.3m	QN66.13	
	Fimbristylis sp.	+		0.1m	QN63.06	
	Grevillea pyramidalis subsp. pyramidalis	+		0.3m	QN46.01	
	Hibiscus leptocladus	+		0.4m	QN100.09	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Paraneurachne muelleri	+		0.3m	QN06.04	
	Ptilotus astrolasius var. astrolasius	+		0.3m	QN100.10	
	Senna notabilis	10%		0.3m	QN07.07	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN100.05	
	Sida pilbarensis (ferruginous form)	+		0.3m	QN100.02	
	Trianthema pilosa	+		0.3m	QN100.07	
	Triumfetta aff. chaetocarpa (PAN3/4)	+		0.3m	QN100.04	
	Waltheria indica	+		0.3m	QN52.04	

Quantum Flora 3 Site QN101

Described EC **Date** 29/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA 50 657593 **mE** 7739391 **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Owenia reticulata scattered low trees over Acacia trudgeniana and Senna notabilis low shrubland over Aristida holathera var. latifolia scattered tussock grasses.

Veg Very Good.

Fire Recent.

Note Bare Ground: 70%
Litter cover: + Logs, + Twigs, + Lvs.
Disturbance type: Fire.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia sericophylla	+		0.5m	QN103.11
	Acacia trudgeniana	2%		0.3-1m	QN02.03
	Aristida holathera var. latifolia	1%		0.3m	QN103.03
	Bonamia linearis	+		0.2m	QN15.11
	Bonamia media var. media	+		0.2m	QN101.04
	Bulbostylis barbata	+		0.2m	QN103.04
	Corchorus incanus subsp. incanus	+		0.1m	QN13.07
	Cucumis melo subsp. agrestis	+		0.1m	QN10.01
	Eragrostis aff. eriopoda (WAS site 963)	+		0.3m	QN103.02
	Euphorbia australis	+		0.1m	QN103.05
	Grevillea pyramidalis subsp. pyramidalis	+		0.4m	QN101.02
	Indigofera linifolia	+		0.2m	QN103.01
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03
	Owenia reticulata	2%		6.0m	QN52.02
	Polycarpha corymbosa var. corymbosa	+		0.1m	QN103.10
	Polymeria sp. (site 1365)	+		0.3m	QN103.08
	Schizachyrium fragile	+		0.1m	QN101.01
	Senna notabilis	10%		0.3m	QN07.07
	Sida rohlenae subsp. rohlenae	+		0.2m	QN101.03
	Triodia epactia	+		0.2m	QN102.02

Quantum Flora 3 Site QN102

Described EC **Date** 29/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA 50 **657434 mE** **7739983 mN**

Habitat Sand Plain (low hill).

Soil Light orange brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis open shrubland over Acacia stellaticeps low shrubland over Triodia epactia scattered hummock grasses.

Veg Excellent.

Fire Old.

Note Bare Ground: 25%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia sericophylla	+		0.3m	QN102.03
	Acacia stellaticeps	30%		0.4m	QN02.01
	Acacia tumida var. pilbarensis	5%		1.5m	QN02.08
	Aristida holathera var. latifolia	+		0.2m	QN103.03
	Chrysopogon fallax	+		0.3m	QN07.06
	Corchorus incanus subsp. incanus	+		0.3m	QN13.07
	Eragrostis aff. eriopoda (WAS site 963)	+		0.2m	QN103.02
	Evolvulus alsinoides var. villocalyx (grey form)	+		0.1m	QN102.01
	Paraneurachne muelleri	+		0.3m	QN06.04
	Senna notabilis	+		0.3m	QN07.07
	Solanum lasiophyllum	+		0.2m	QN03.13
	Triodia epactia	2%		0.3m	QN102.02

Quantum Flora 3 Site QN103

Described EC **Date** 29/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA 50 **657568 mE** **7740266 mN**

Habitat Sand Plain on a low hill.

Soil Light orange brown sand.

Rock

Vegetation Acacia tumida var. pilbarensis low burnt scattered shrubs over Senna notabilis low shrubland.

Veg Very Good.

Fire Recent.

Note Bare Ground: 75%
 Litter cover: + Logs, + Twigs, 1% Lvs.
 Disturbance type: Fire.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia pyrifolia	+		0.3m	QN103.15	
	Acacia sericophylla	+		3.0m	QN103.11	
	Acacia stellaticeps	+		0.2m	QN02.01	
	Acacia trudgeniana	+		0.5m	QN02.03	
	Acacia tumida var. pilbarensis	+		0.3m	QN02.08	
	Aristida holathera var. latifolia	+		0.3m	QN103.03	
	Bonamia linearis	+		0.2m	QN15.11	
	Bonamia media var. media	+		0.1m	QN103.06	
	Bulbostylis barbata	+		0.1m	QN103.04	
	Chrysopogon fallax	+		0.3m	QN07.06	
	Corchorus incanus subsp. incanus	+		0.1m	QN13.07	
	Eragrostis aff. eriopoda (WAS site 963)	+		0.2m	QN103.02	
	Euphorbia australis	+		0.1m	QN103.05	
	Grevillea pyramidalis subsp. pyramidalis	+		0.3m	QN103.14	
	Heliotropium foliatum	+		0.2m	QN103.12	
	Hibiscus leptocladus	+		0.1m	QN103.09	
	Indigofera linifolia	+		0.2m	QN103.01	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Paraneurachne muelleri	+		0.2m	QN06.04	
	Polycarpaea corymbosa var. corymbosa	+		0.1m	QN103.10	
	Polymeria sp. (site 1365)	+		0.1m	QN103.08	
	Ptilotus fusiformis var. fusiformis	+		0.2m	QN103.07	
	Senna notabilis	15%		0.3m	QN07.07	
	Waltheria indica	+		0.4m	QN103.13	

Quantum Flora 3 Site QN104

Described EC **Date** 30/05/2008 **Type** Q 50x50m
Season **Uniformity**

Location

MGA 50 668675 **mE** 7730041 **mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Acacia trudgeniana scattered tall shrubs over Acacia stellaticeps low open shrubland over Triodia lanigera and Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bare Ground: 30%
Litter Cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Abutilon aff. dioicum (HD195)	+		0.3m	QN104.02	
	Acacia stellaticeps	10%		0.5m	QN02.01	
	Acacia trudgeniana	1%		2.0-3.0m	QN02.03	
	Cassyltha capillaris	+		CL	QN05.01	
	Hakea lorea subsp. lorea	+		2.0m	QN105.03	
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03	
	Triodia epactia	2%		0.3m	QN105.02	
	Triodia lanigera	35%		0.3m	QN104.01	

Quantum Flora 3 Site QN105

Described EC **Date** 30/05/2008 **Type** Q **Uniformity** 50x50m

Location

MGA 50 **669161 mE** **7730074 mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Eucalyptus victrix scattered low trees over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bare Ground: 35%
Litter cover: + Logs, + Twigs, + Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	+		1.5m	QN08.02
	Acacia stellaticeps	8%		0.4m	QN02.01
	Corymbia zygophylla	+		2.0m	QN28.02
	Eucalyptus victrix	2%		1.0-6.0m	QN105.01
	Fimbristylis dichotoma	+		0.1m	QN105.05
	Hakea lorea subsp. lorea	+		1.0m	QN105.03
	Pluchea tetranthera	+		0.2m	QN105.04
	Triodia epactia	40%		0.5m	QN105.02

Quantum Flora 3 Site QN106

Described CS **Date** 30/05/2008 **Type** Q 50 x 50 m
Season **Uniformity**

Location Near billabong.

MGA 50 668388 **mE** 7729882 **mN**

Habitat Sand plain.

Soil

Rock

Vegetation Corymbia hamersleyana scattered low trees over Acacia tumida var. pilbarensis, Acacia ancistrocarpa and Acacia inaequilatera open shrubland over Acacia maitlandii, Acacia sericophylla and Carissa lanceolata low shrubland over Triodia epactia and Triodia lanigera hummock grassland.

Veg Excellent.

Fire Old.

Note Aspect: N/A.
 Bare ground: 30%.
 Litter cover: + logs; 1% twigs; 2% lvs.
 Disturbance type: Nil.

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	3%		1.0-1.5m	QN74.05	
	Acacia colei var. colei	+ (+)		0.8m	QN74.08	
	Acacia inaequilatera	1-2%		0.5-2m	QN81.02	
	Acacia maitlandii	35%		0.5m	QN71.07	
	Acacia sericophylla	1%		0.5-1m	QN82.02	
	Acacia tumida var. pilbarensis	1%		1.5m	QN72.02	
	Achyranthes aspera	+		0.3m	QN106.07	
	Bonamia rosea	+		0.3m	QN106.04	
	Carissa lanceolata	1%		1m		
	Cassytha capillaris	+		CL	QN106.06	
	Corymbia hamersleyana	1%		4.0m	QN106.09	
	Evolvulus alsinoides var. villosicalyx	+		CL	QN91.13	
	Grevillea wickhamii subsp. hispidula	+ (+)		1.5m	QN106.05	
	Hybanthus aurantiacus	+		0.4m	QN74.04	
	Mukia maderaspatana	1%		CL	QN78.06	
	Paraneurachne muelleri	+ (+)		0.3m	QN83.04	
	Scaevola aff. browniana	+		0.3m	QN70.06	
	Senna artemisioides subsp. oligophylla x helmsii	+		0.4m	QN84.04	
	Sida rohlenae subsp. rohlenae	+		0.3m	QN106.08	
	Triodia epactia	55%		0.4m	QN106.01	
	Triodia lanigera	5%		0.3m	QN106.03	

Quantum Flora 3 Site QN107

Described Season	CS	Date	30/05/2008	Type	Q	Uniformity	50 x 50 m
Location	New rail line option.						
MGA	50		668837	mE			7729457 mN
Habitat	Sand plain.						
Soil	Orange/ brown loamy sand with hard clay crust in some areas.						
Rock							
Vegetation	Acacia inaequilatera and Acacia tumida var. pilbarensis scattered shrubs over Acacia ancistrocarpa x stellaticeps low shrubland over Triodia lanigera and Triodia epactia hummock						
Veg	Excellent.						
Fire	Old.						
Note	Aspect: N/A. Bare ground: 40%. Litter cover: + logs; 1% twigs; + lvs. Disturbance type: Nil.						

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia ancistrocarpa	+		1.5m	QN74.05	
	Acacia ancistrocarpa x stellaticeps	25%		0.5m	QN74.07	
	Acacia inaequilatera	1%		0.5-2m	QN81.02	
	Acacia sericophylla	+		0.5m	QN84.02	
	Acacia tumida var. pilbarensis	1%		0.5-1.5m	QN72.02	
	Bonamia linearis	+		CL	QN70.04	
	Cassyltha capillaris	+		CL	QN106.06	
	Hybanthus aurantiacus	+		0.2m	QN74.04	
	Paraneurachne muelleri	+		0.4m	QN107.02	
	Triodia epactia	40%		0.4m	QN106.01	
	Triodia lanigera	5%		0.2m	QN106.03	
	Triodia lanigera	15%		0.3m	QN107.01	

Quantum Flora 3 Site QN108

Described EC **Date** 30/05/2008 **Type** Q **Uniformity** 50x50m
Season

Location

MGA 50 **669211 mE** **7730900 mN**

Habitat Sand Plain.

Soil Light orange brown sand.

Rock

Vegetation Corymbia hamersleyana scattered low trees over Acacia ancistrocarpa, Acacia colei var. colei and Acacia tumida var. pilbarensis high open shrubland over Acacia stellaticeps low open shrubland over Triodia epactia hummock grassland.

Veg Excellent.

Fire Old.

Note Bare Ground: 10%
Litter cover: 2% Logs, 3% Twigs, 5% Lvs.

SPECIES

Quad	Name	Cover	C	Height	Specimen Notes
	Acacia ancistrocarpa	1%		2.0m	QN08.02
	Acacia colei var. colei	3%		2.5m	QN74.08
	Acacia stellaticeps	3%		0.5m	QN02.01
	Acacia trudgeniana	+		1.0m	QN02.03
	Acacia tumida var. pilbarensis	3%		2.0m	QN02.08
	Bonamia linearis	+		0.2m	QN108.02
	Corchorus elachocarpus	+		0.3m	QN108.05
	Corymbia hamersleyana	2%		2.0-3.0m	QN108.01
	Euphorbia coghlanii	+		0.3m	QN108.06
	Goodenia forrestii	+		0.2m	QN53.04
	Goodenia lamprosperma	+		0.2m	QN108.03
	Gossypium australe (Burrup Peninsula form)	+		0.3m	QN108.07
	Indigofera monophylla (small calyx form)	+		0.3m	QN11.03
	Pterocaulon serrulatum	+		0.1m	QN108.08
	Sida aff. echinocarpa (MET 15,350)	+		0.3m	QN108.04
	Triodia epactia	50%		0.3m	QN105.02

Quantum Flora 3	Date	Site	QNOP
Described		Type	
Season			Uniformity
Location			
MGA			mE
Habitat			mN
Soil			
Rock			
Vegetation			
Veg			
Fire			
Note			

SPECIES

Quad	Name	Cover	C	Height	Specimen	Notes
	Acacia maitlandii				QNOP.15	
	Alysicarpus muelleri				QNOP.14	
	Amaranthus pallidiflorus				QNMAL	
	Amaranthus sp.				QNOP.10	
	Carissa lanceolata				QNO3	Rock pile.
	Cleome viscosa				QNOP.09	
	Clerodendrum tomentosum var. lanceolatum				QNR2	
	Clerodendrum tomentosum var. lanceolatum				QNTREE2	
	Corchorus elachocarpus				QNOP.03b	
	Corymbia zygophylla				QNOPEC5	
	Cullen stipulaceum				QNOPEC03a	
	Eriachne sulcata				QNOPEC02	
	Evolvulus alsinoides var. villocalyx (grey form)				QNOPEC04	
	Evolvulus alsinoides var. villosicalyx				QNOP.04	
	Ficus brachypoda				QNTREE1	
	Ficus brachypoda				QNR1	
	Fimbristylis simulans				QNOP.17	
	Gomphrena cunninghamii				QNOP.13	
	Goodenia lamprosperma				QNOPEC01	
	Goodenia stobbsiana				QNOP.18	
	Grevillea pyramidalis subsp. pyramidalis				QNOP.16	
	Hibiscus brachychlaenus				QNOPEC06	
	Hybanthus aurantiacus				QNOP.02	
	Indigofera hirsuta				QNOP.12	
	Perotis rara				QNOP.07	
	Pimelea ammocharis				QNOPErem	
	Pimelea ammocharis				QNOP.04	
	Portulaca conspicua				QNOPKC.01	
	Portulaca conspicua				QNOPEC04	
	Rhynchosia minima var. australis				QNOP.05	
	Rhynchosia minima var. australis				QNOPEC03c	
	Sarcostemma viminale subsp. australe				QNO3T	
	Senna notabilis				QNOP.03	
	Sesbania cannabina				QNOPI	
	Sida rohlenae subsp. rohlenae				QNOP.08	
	Streptoglossa odora				QNOPCS.01	
	Themeda triandra				QNOP.11	
	Trianthema pilosa				QNOPFluffy	
	Waltheria indica				QNOP.01	
	Waltheria indica				QNOP.06	

APPENDIX G

FLORA SPECIES INVENTORY

OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX G

Flora Species Inventory

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Marsileaceae	<i>Marsilea hirsuta</i>	✓	✓	✓
Poaceae	<i>Aristida contorta</i>	✓		
Poaceae	<i>Aristida holathera</i>	✓	✓	
Poaceae	<i>Aristida holathera</i> var. <i>holathera</i>	✓		
Poaceae	<i>Aristida holathera</i> var. <i>latifolia</i>	✓	✓	✓
Poaceae	<i>Aristida inaequiglumis</i>	✓		✓
Poaceae	<i>Aristida</i> sp.	✓		
Poaceae	<i>Aristida ingrata</i>		✓	✓
Poaceae	<i>Chloris pumilio</i>		✓	✓
Poaceae	* <i>Chloris virgata</i>	✓		
Poaceae	<i>Chrysopogon fallax</i>	✓	✓	✓
Poaceae	<i>Dactyloctenium radulans</i>		✓	
Poaceae	<i>Digitaria brownii</i>	✓	✓	✓
Poaceae	<i>Diplachne fusca</i> subsp. <i>fusca</i>		✓	
Poaceae	<i>Elytrophorus spicatus</i>	✓		
Poaceae	<i>Enneapogon polyphyllus</i>		✓	
Poaceae	<i>Eragrostis</i> aff. <i>eripoda</i> (WAS site 963)	✓	✓	✓
Poaceae	<i>Eragrostis cumingii</i>	✓	✓	✓
Poaceae	<i>Eragrostis dielsii</i>			✓
Poaceae	<i>Eragrostis elongata</i>		✓	
Poaceae	<i>Eragrostis falcata</i>	✓	✓	✓
Poaceae	<i>Eragrostis</i> sp.			✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Poaceae	* <i>Chloris virgata</i>	✓		
Poaceae	<i>Eragrostis speciosa</i>	✓	✓	✓
Poaceae	<i>Eragrostis tenellula</i>		✓	✓
Poaceae	<i>Eragrostis xerophila</i>		✓	
Poaceae	<i>Eriachne aristidea</i>	✓	✓	✓
Poaceae	<i>Eriachne benthamii</i>	✓	✓	✓
Poaceae	<i>Eriachne helmsii</i>		✓	✓
Poaceae	<i>Eriachne mucronata</i> (typical form)	✓	✓	
Poaceae	<i>Eriachne obtusa</i>	✓	✓	✓
Poaceae	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	✓		✓
Poaceae	<i>Eriachne</i> sp.			✓
Poaceae	<i>Eriachne</i> sp. Port Hedland	✓	✓	✓
Poaceae	<i>Eriachne sulcata</i>			✓
Poaceae	<i>Eulalia aurea</i>	✓	✓	
Poaceae	<i>Panicum decompositum</i>	✓	✓	
Poaceae	<i>Paraneurachne muelleri</i>	✓	✓	✓
Poaceae	<i>Paspalidium rarum</i>	✓	✓	✓
Poaceae	<i>Perotis rara</i>		✓	✓
Poaceae	<i>Schizachyrium fragile</i>	✓	✓	✓
Poaceae	<i>Sorghum plumosum</i>		✓	
Poaceae	<i>Spinifex longifolius</i>	✓	✓	
Poaceae	<i>Sporobolus actinocladius</i>			✓
Poaceae	<i>Sporobolus australasicus</i>	✓	✓	✓
Poaceae	<i>Sporobolus virginicus</i>	✓	✓	
Poaceae	<i>Themeda triandra</i>			✓
Poaceae	<i>Triodia epactia</i>	✓	✓	✓
Poaceae	<i>Triodia lanigera</i>	✓	✓	✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Poaceae	<i>Triodia longiceps</i>	✓	✓	✓
Poaceae	<i>Triodia pungens</i>	✓		
Poaceae	<i>Triodia schinzii</i>	✓	✓	✓
Poaceae	<i>Triodia secunda</i>	✓	✓	✓
Poaceae	<i>Triodia</i> sp.	✓		
Poaceae	<i>Urochloa holosericea</i> subsp. <i>velutina</i>		✓	
Poaceae	<i>Whiteochloa airoides</i>	✓	✓	
Poaceae	<i>Yakirra australiensis</i> var. <i>australiensis</i>	✓	✓	✓
Poaceae	* <i>Cenchrus ciliaris</i>	✓	✓	✓
Poaceae	* <i>Digitaria ciliaris</i>		✓	
Poaceae	* <i>Setaria verticillata</i>		✓	
Cyperaceae	<i>Bulbostylis barbata</i>	✓	✓	✓
Cyperaceae	<i>Cyperus blakeanus</i>	✓	✓	✓
Cyperaceae	<i>Cyperus concinnus</i>		✓	✓
Cyperaceae	<i>Cyperus iria</i>		✓	✓
Cyperaceae	<i>Cyperus ixiocarpus</i>		✓	
Cyperaceae	<i>Cyperus pulchellus</i>	✓	✓	
Cyperaceae	<i>Cyperus squarrosus</i>	✓	✓	✓
Cyperaceae	<i>Fimbristylis dichotoma</i>		✓	✓
Cyperaceae	<i>Fimbristylis microcarya</i>		✓	
Cyperaceae	<i>Fimbristylis oxystachya</i>		✓	✓
Cyperaceae	<i>Fimbristylis rara</i>		✓	✓
Cyperaceae	<i>Fimbristylis simulans</i>			✓
Cyperaceae	<i>Fimbristylis</i> sp.	✓	✓	✓
Cyperaceae	<i>Lipocarpha microcephala</i>		✓	✓
Cyperaceae	<i>Schoenoplectus lateriflorus</i>			✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Commelinaceae	<i>Commelina ensifolia</i>		✓	✓
Commelinaceae	<i>Murdannia graminea</i>		✓	
Anthericaceae	<i>Tricoryne corynothecoides</i>	✓	✓	
Moraceae	<i>Ficus brachypoda</i>			✓
Proteaceae	<i>Grevillea pyramidalis</i>			✓
Proteaceae	<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>	✓	✓	✓
Proteaceae	<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>		✓	
Proteaceae	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>			✓
Proteaceae	<i>Hakea lorea</i> subsp. <i>lorea</i>	✓	✓	✓
Santalaceae	<i>Santalum lanceolatum</i>	✓	✓	
Chenopodiaceae	<i>Dysphania plantaginella</i>		✓	
Chenopodiaceae	<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	✓	✓	✓
Chenopodiaceae	<i>Dysphania sphaerosperma</i>	✓		
Chenopodiaceae	<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>		✓	
Chenopodiaceae	<i>Halosarcia auriculata</i>	✓	✓	
Chenopodiaceae	<i>Halosarcia halocnemoides</i>	✓		
Chenopodiaceae	<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>	✓	✓	
Chenopodiaceae	<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>		✓	
Chenopodiaceae	<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>	✓	✓	
Chenopodiaceae	<i>Halosarcia indica</i> subsp. <i>leiostachya</i>	✓	✓	

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Chenopodiaceae	<i>Halosarcia pterygosperma</i> subsp. <i>denticulata</i>	✓		
Chenopodiaceae	<i>Halosarcia</i> sp.	✓		
Chenopodiaceae	<i>Maireana</i> sp.	✓		
Chenopodiaceae	<i>Neobassia astrocarpa</i>	✓	✓	
Chenopodiaceae	<i>Rhagodia eremaea</i>	✓	✓	
Chenopodiaceae	<i>Salsola tragus</i> subsp. <i>grandiflora</i>	✓		
Chenopodiaceae	<i>Salsola tragus</i> subsp. <i>tragus</i>		✓	✓
Chenopodiaceae	<i>Sclerolaena hostilis</i>		✓	
Chenopodiaceae	<i>Sclerolaena</i> sp.		✓	
Chenopodiaceae	<i>Suaeda arbusculoides</i>		✓	
Chenopodiaceae	<i>Threlkeldia diffusa</i>	✓	✓	
Amaranthaceae	<i>Achyranthes aspera</i>	✓	✓	✓
Amaranthaceae	<i>Alternanthera</i> aff. <i>angustifolia</i>		✓	
Amaranthaceae	<i>Alternanthera angustifolia</i>		✓	✓
Amaranthaceae	<i>Alternanthera nana</i>	✓	✓	✓
Amaranthaceae	<i>Amaranthus mitchellii</i>		✓	
Amaranthaceae	<i>Amaranthus pallidiflorus</i>		✓	✓
Amaranthaceae	<i>Amaranthus</i> sp.			✓
Amaranthaceae	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		✓	
Amaranthaceae	<i>Gomphrena canescens</i>	✓		
Amaranthaceae	<i>Gomphrena canescens</i> subsp. <i>canescens</i>		✓	
Amaranthaceae	<i>Gomphrena cunninghamii</i>			✓
Amaranthaceae	<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>		✓	
Amaranthaceae	<i>Gomphrena sordida</i>	✓		

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Amaranthaceae	<i>Gomphrena</i> sp.	✓		
Amaranthaceae	<i>Hemichroa diandra</i>	✓	✓	
Amaranthaceae	<i>Ptilotus arthrolasius</i>	✓		
Amaranthaceae	<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>	✓	✓	✓
Amaranthaceae	<i>Ptilotus axillaris</i>	✓	✓	
Amaranthaceae	<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>	✓	✓	✓
Amaranthaceae	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	✓	✓	
Amaranthaceae	<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>	✓	✓	✓
Amaranthaceae	<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>			✓
Amaranthaceae	<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>	✓	✓	
Amaranthaceae	* <i>Aerva javanica</i>	✓	✓	✓
Nyctaginaceae	<i>Boerhavia coccinea</i>		✓	✓
Nyctaginaceae	<i>Boerhavia</i> sp.	✓		
Aizoaceae	<i>Sesuvium portulacastrum</i>	✓	✓	
Aizoaceae	<i>Trianthema oxycalyptra</i> var. <i>oxycalyptra</i>		✓	
Aizoaceae	<i>Trianthema pilosa</i>	✓	✓	✓
Aizoaceae	<i>Trianthema triquetra</i>	✓		✓
Aizoaceae	<i>Trianthema triquetra</i> var. <i>triquetra</i>		✓	
Aizoaceae	<i>Trianthema turgidifolia</i>	✓	✓	
Molluginaceae	<i>Glinus lotoides</i>	✓		
Molluginaceae	<i>Mollugo molluginea</i>	✓	✓	✓
Portulacaceae	<i>Calandrinia pumila</i>	✓		
Portulacaceae	<i>Calandrinia quadrivalvis</i>	✓	✓	✓
Portulacaceae	<i>Calandrinia</i> sp.	✓	✓	✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Portulacaceae	<i>Calandrinia</i> sp. Pinga (T.R. Lally TRL 722)			
Portulacaceae	<i>Portulaca conspicua</i>		✓	✓
Portulacaceae	<i>Portulaca pilosa</i>		✓	
Portulacaceae	* <i>Portulaca oleracea</i>		✓	✓
Caryophyllaceae	<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	✓		✓
Caryophyllaceae	<i>Polycarpaea longiflora</i>	✓		
Menispermaceae	<i>Tinospora smilacina</i>	✓	✓	✓
Lauraceae	<i>Cassytha capillaris</i>	✓	✓	✓
Capparaceae	<i>Cleome uncifera</i> subsp. <i>uncifera</i>	✓	✓	✓
Capparaceae	<i>Cleome viscosa</i>	✓	✓	✓
Droseraceae	<i>Drosera indica</i>			✓
Byblidaceae	<i>Byblis liniflora</i>		✓	✓
Mimosaceae	<i>Acacia ampliceps</i>	✓	✓	
Mimosaceae	<i>Acacia ancistrocarpa</i>	✓	✓	✓
Mimosaceae	<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>		✓	✓
Mimosaceae	<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>	✓	✓	✓
Mimosaceae	<i>Acacia ancistrocarpa</i> x <i>tumida</i>			✓
Mimosaceae	<i>Acacia bivenosa</i>	✓	✓	✓
Mimosaceae	<i>Acacia colei</i> var. <i>colei</i>	✓	✓	✓
Mimosaceae	<i>Acacia coriacea</i> subsp. <i>coriacea</i>	✓		
Mimosaceae	<i>Acacia inaequilatera</i>	✓	✓	✓
Mimosaceae	<i>Acacia maitlandii</i>	✓	✓	✓
Mimosaceae	<i>Acacia pyrifolia</i>	✓	✓	✓
Mimosaceae	<i>Acacia sabulosa</i>		✓	✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Mimosaceae	<i>Acacia sericocarpa</i>	✓		✓
Mimosaceae	<i>Acacia sericophylla</i>	✓	✓	✓
Mimosaceae	<i>Acacia</i> sp.	✓		
Mimosaceae	<i>Acacia stellaticeps</i>	✓	✓	✓
Mimosaceae	<i>Acacia synchronicia</i>			✓
Mimosaceae	<i>Acacia trachycarpa</i>	✓	✓	✓
Mimosaceae	<i>Acacia trachycarpa</i> subsp. <i>tumida</i> var. <i>pilbarensis</i>	✓		
Mimosaceae	<i>Acacia trudgeniana</i>			✓
Mimosaceae	<i>Acacia tumida</i> var. <i>pilbarensis</i>	✓	✓	✓
Mimosaceae	<i>Neptunia dimorphantha</i>	✓		
Mimosaceae	<i>Neptunia monosperma</i>		✓	✓
Caesalpiaceae	<i>Senna artemisioides</i> aff subsp. <i>oligophylla</i> (thinly sericeous)	✓		✓
Caesalpiaceae	<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>	✓	✓	✓
Caesalpiaceae	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	✓	✓	✓
Caesalpiaceae	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>		✓	
Caesalpiaceae	<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	✓	✓	
Caesalpiaceae	<i>Senna notabilis</i>	✓	✓	✓
Caesalpiaceae	<i>Senna symonii</i>		✓	
Caesalpiaceae	<i>Senna venusta</i>	✓	✓	
Papilionaceae	<i>Aeschynomene indica</i>		✓	✓
Papilionaceae	<i>Alysicarpus muelleri</i>			✓
Papilionaceae	<i>Cajanus cinereus</i>	✓	✓	
Papilionaceae	<i>Cajanus marmoratus</i>	✓	✓	
Papilionaceae	<i>Crotalaria cunninghamii</i>	✓	✓	

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Papilionaceae	<i>Crotalaria medicaginea</i>	✓	✓	
Papilionaceae	<i>Crotalaria ramosissima</i>	✓	✓	✓
Papilionaceae	<i>Cullen cinereum</i>		✓	
Papilionaceae	<i>Cullen graveolens</i>		✓	
Papilionaceae	<i>Cullen lachnostachys</i>		✓	
Papilionaceae	<i>Cullen martinii</i>	✓		
Papilionaceae	<i>Cullen pogonocarpum</i>	✓		
Papilionaceae	<i>Cullen stipulaceum</i>	✓	✓	✓
Papilionaceae	<i>Desmodium filiforme</i>		✓	✓
Papilionaceae	<i>Desmodium muelleri</i>		✓	✓
Papilionaceae	<i>Glycine canescens</i>	✓	✓	
Papilionaceae	<i>Glycine tomentella</i>		✓	
Papilionaceae	<i>Indigofera colutea</i>	✓	✓	✓
Papilionaceae	<i>Indigofera hirsuta</i>		✓	✓
Papilionaceae	<i>Indigofera linifolia</i>		✓	✓
Papilionaceae	<i>Indigofera linnaei</i>	✓	✓	
Papilionaceae	<i>Indigofera monophylla</i>	✓	✓	
Papilionaceae	<i>Indigofera monophylla</i> (small calyx form)			✓
Papilionaceae	<i>Indigofera trita</i>	✓	✓	
Papilionaceae	<i>Isotropis atropurpurea</i>		✓	✓
Papilionaceae	<i>Kennedia prorepens</i>			✓
Papilionaceae	<i>Leptosema anomalum</i>	✓	✓	✓
Papilionaceae	<i>Rhynchosia minima</i> var. <i>australis</i>	✓	✓	✓
Papilionaceae	<i>Sesbania cannabina</i>	✓		✓
Papilionaceae	<i>Swainsona pterostylis</i>	✓		
Papilionaceae	<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)		✓	
Papilionaceae	<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)		✓	

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Papilionaceae	<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)			✓
Papilionaceae	<i>Tephrosia leptoclada</i>	✓	✓	
Papilionaceae	<i>Tephrosia rosea</i> var. <i>venulosa</i>	✓	✓	
Papilionaceae	<i>Tephrosia simplicifolia</i>	✓	✓	
Papilionaceae	<i>Tephrosia</i> sp.	✓		✓
Papilionaceae	<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)	✓	✓	
Papilionaceae	<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)			✓
Papilionaceae	<i>Tephrosia supina</i>	✓	✓	
Papilionaceae	<i>Vigna lanceolata</i> var. <i>lanceolata</i>			✓
Papilionaceae	<i>Vigna lanceolata</i> var. <i>latifolia</i>			✓
Papilionaceae	<i>Zornia chaetophora</i>		✓	
Papilionaceae	<i>Zornia muelleriana</i> subsp. <i>congesta</i>	✓	✓	
Papilionaceae	* <i>Stylosanthes hamata</i>		✓	
Zygophyllaceae	<i>Tribulopsis angustifolia</i>		✓	✓
Zygophyllaceae	<i>Tribulus occidentalis</i>		✓	
Zygophyllaceae	<i>Tribulus</i> sp.	✓		
Meliaceae	<i>Owenia reticulata</i>	✓	✓	✓
Polygalaceae	<i>Polygala linariifolia</i>			✓
Euphorbiaceae	<i>Adriana urticoides</i>		✓	
Euphorbiaceae	<i>Adriana urticoides</i> var. <i>urticoides</i>	✓	✓	
Euphorbiaceae	<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)		✓	
Euphorbiaceae	<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)		✓	
Euphorbiaceae	<i>Euphorbia australis</i>		✓	✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Euphorbiaceae	<i>Euphorbia australis</i> (mid-green form)			✓
Euphorbiaceae	<i>Euphorbia coghlanii</i>	✓	✓	✓
Euphorbiaceae	<i>Euphorbia</i> sp.	✓	✓	
Euphorbiaceae	<i>Euphorbia</i> sp. (B170-4)		✓	✓
Euphorbiaceae	<i>Euphorbia</i> sp. (FMR70-12)			✓
Euphorbiaceae	<i>Euphorbia</i> sp. (site 1089)			✓
Euphorbiaceae	<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)		✓	
Euphorbiaceae	<i>Leptopus decaisnei</i> var. <i>orbicularis</i>		✓	
Euphorbiaceae	<i>Phyllanthus exilis</i>		✓	✓
Euphorbiaceae	<i>Phyllanthus maderaspatensis</i>	✓	✓	✓
Stackhousiaceae	<i>Stackhousia intermedia</i>			✓
Sapindaceae	<i>Atalaya hemiglauca</i>	✓	✓	
Sapindaceae	<i>Dodonaea concinna</i>	✓		
Sapindaceae	<i>Dodonaea coriacea</i>	✓	✓	✓
Tiliaceae	<i>Corchorus</i> aff. <i>incanus</i>		✓	
Tiliaceae	<i>Corchorus elachocarpus</i>	✓		✓
Tiliaceae	<i>Corchorus incanus</i> subsp. <i>incanus</i>	✓	✓	✓
Tiliaceae	<i>Triumfetta</i> aff. <i>chaetocarpa</i> (HD123)	✓		
Tiliaceae	<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)		✓	✓
Tiliaceae	<i>Triumfetta chaetocarpa</i>	✓		
Malvaceae	<i>Abutilon</i> aff. <i>dioicum</i> (HD195)			✓
Malvaceae	<i>Abutilon lepidum</i>	✓	✓	
Malvaceae	<i>Abutilon otocarpum</i>	✓	✓	✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Malvaceae	<i>Abutilon</i> sp.	✓		✓
Malvaceae	<i>Abutilon</i> sp. (HD164)			✓
Malvaceae	<i>Abutilon trudgenii</i> MS	✓		
Malvaceae	<i>Gossypium australe</i> (Burrup Peninsula form)	✓	✓	✓
Malvaceae	<i>Hibiscus austrinus</i> var. <i>austrinus</i>	✓	✓	
Malvaceae	<i>Hibiscus brachychlaenus</i>	✓	✓	✓
Malvaceae	<i>Hibiscus leptocladus</i>	✓	✓	✓
Malvaceae	<i>Hibiscus</i> sp.	✓		
Malvaceae	<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	✓	✓	✓
Malvaceae	<i>Malvastrum</i> sp.	✓		
Malvaceae	<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)	✓		✓
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i>	✓		
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)		✓	
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)		✓	
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)	✓	✓	✓
Malvaceae	<i>Sida arenicola</i>		✓	
Malvaceae	<i>Sida billbarkeri</i>	✓	✓	
Malvaceae	<i>Sida clementii</i>	✓	✓	
Malvaceae	<i>Sida pilbarensis</i> (ferruginous form)	✓	✓	✓
Malvaceae	<i>Sida rohlena</i>		✓	
Malvaceae	<i>Sida rohlena</i> subsp. <i>rohlena</i>	✓	✓	✓
Malvaceae	<i>Sida</i> sp.	✓		
Sterculiaceae	<i>Keraudrenia nephrosperma</i>			✓
Sterculiaceae	<i>Melhania</i> sp. Cape Preston (M77-10)		✓	✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Sterculiaceae	<i>Waltheria indica</i>	✓	✓	✓
Elatinaceae	<i>Bergia henshallii</i>	✓	✓	✓
Elatinaceae	<i>Bergia pedicellaris</i>	✓		
Elatinaceae	<i>Bergia trimera</i>			✓
Frankeniaceae	<i>Frankenia pauciflora</i>	✓	✓	
Frankeniaceae	<i>Frankenia pauciflora</i> var. <i>pauciflora</i>	✓	✓	
Violaceae	<i>Hybanthus aurantiacus</i>	✓	✓	✓
Thymelaeaceae	<i>Pimelea ammocharis</i>	✓	✓	✓
Lythraceae	<i>Ammannia baccifera</i>	✓	✓	
Lythraceae	<i>Rotala diandra</i>	✓		
Rhizophoraceae	<i>Ceriops tagal</i>	✓	✓	
Myrtaceae	<i>Corymbia flavescens</i>	✓	✓	✓
Myrtaceae	<i>Corymbia hamersleyana</i>		✓	✓
Myrtaceae	<i>Corymbia</i> sp.	✓		✓
Myrtaceae	<i>Corymbia zygophylla</i>	✓	✓	✓
Myrtaceae	<i>Eucalyptus</i> sp.	✓		
Myrtaceae	<i>Eucalyptus victrix</i>	✓	✓	✓
Myrtaceae	<i>Melaleuca argentea</i>	✓	✓	
Myrtaceae	<i>Melaleuca glomerata</i>	✓	✓	
Myrtaceae	<i>Melaleuca lasiandra</i>	✓	✓	✓
Plumbaginaceae	<i>Muellerolimon salicorniaceum</i>	✓	✓	
Loganiaceae	<i>Mitrasacme connata</i>	✓	✓	
Gentianaceae	<i>Centaurium spicatum</i>	✓		
Apocynaceae	<i>Carissa lanceolata</i>	✓	✓	✓
Asclepiadaceae	<i>Cynanchum</i> sp. (MET 15,151)		✓	
Asclepiadaceae	<i>Gymnanthera cunninghamii</i>	✓	✓	

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Asclepiadaceae	<i>Sarcostemma viminale</i> subsp. <i>australe</i>		✓	✓
Convolvulaceae	<i>Bonamia linearis</i>	✓	✓	✓
Convolvulaceae	<i>Bonamia media</i>	✓		
Convolvulaceae	<i>Bonamia media</i> var. <i>media</i>		✓	✓
Convolvulaceae	<i>Bonamia pannosa</i>			✓
Convolvulaceae	<i>Bonamia rosea</i>	✓	✓	✓
Convolvulaceae	<i>Bonamia</i> sp. (HD94-6)	✓		
Convolvulaceae	<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	✓		
Convolvulaceae	<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)		✓	✓
Convolvulaceae	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		✓	✓
Convolvulaceae	<i>Ipomoea coptica</i>	✓	✓	
Convolvulaceae	<i>Ipomoea costata</i>		✓	
Convolvulaceae	<i>Ipomoea muelleri</i>	✓	✓	✓
Convolvulaceae	<i>Ipomoea pes-caprae</i>	✓		
Convolvulaceae	<i>Ipomoea polymorpha</i>		✓	✓
Convolvulaceae	<i>Merremia davenportii</i>	✓	✓	✓
Convolvulaceae	<i>Polymeria</i> aff. <i>calycina</i>	✓		
Convolvulaceae	<i>Polymeria calycina</i>	✓	✓	✓
Convolvulaceae	<i>Polymeria</i> sp.	✓		
Convolvulaceae	<i>Polymeria</i> sp. (site 1365)			✓
Convolvulaceae	* <i>Merremia dissecta</i>		✓	
Boraginaceae	<i>Ehretia saligna</i>	✓	✓	
Boraginaceae	<i>Ehretia saligna</i> var. <i>saligna</i>		✓	✓
Boraginaceae	<i>Heliotropium chrysocarpum</i>	✓	✓	

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Boraginaceae	<i>Heliotropium cunninghamii</i>	✓		✓
Boraginaceae	<i>Heliotropium foliatum</i>		✓	✓
Boraginaceae	<i>Heliotropium muticum</i>		✓	✓
Boraginaceae	<i>Heliotropium</i> sp.	✓	✓	
Boraginaceae	<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>	✓	✓	
Verbenaceae	<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>			✓
Avicenniaceae	<i>Avicennia marina</i>	✓	✓	
Solanaceae	<i>Solanum cleistogamum</i>	✓	✓	
Solanaceae	<i>Solanum cunninghamii</i>		✓	
Solanaceae	<i>Solanum diversiflorum</i>	✓	✓	
Solanaceae	<i>Solanum lasiophyllum</i>	✓	✓	✓
Solanaceae	<i>Solanum phlomoides</i>	✓	✓	✓
Solanaceae	<i>Solanum</i> sp.	✓		
Scrophulariaceae	<i>Mimulus gracilis</i>	✓	✓	
Scrophulariaceae	<i>Stemodia grossa</i>	✓	✓	✓
Scrophulariaceae	<i>Stemodia lathraia</i>	✓	✓	✓
Bignoniaceae	<i>Dolichandrone heterophylla</i>	✓	✓	✓
Myoporaceae	<i>Myoporum montanum</i>	✓	✓	
Rubiaceae	<i>Dentella minutissima</i>	✓		✓
Rubiaceae	<i>Oldenlandia galioides</i>			✓
Rubiaceae	<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	✓		✓
Cucurbitaceae	<i>Mukia maderaspatana</i>	✓	✓	✓
Cucurbitaceae	* <i>Citrullus colocynthis</i>	✓	✓	
Cucurbitaceae	* <i>Cucumis melo</i> subsp. <i>agrestis</i>		✓	✓
Campanulaceae	<i>Wahlenbergia tumidifructa</i>	✓	✓	✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Goodeniaceae	<i>Goodenia armitiana</i>	✓		
Goodeniaceae	<i>Goodenia forrestii</i>	✓	✓	✓
Goodeniaceae	<i>Goodenia lamprosperma</i>	✓	✓	✓
Goodeniaceae	<i>Goodenia microptera</i>	✓	✓	✓
Goodeniaceae	<i>Goodenia muelleriana</i>	✓		
Goodeniaceae	<i>Goodenia nuda</i>		✓	
Goodeniaceae	<i>Goodenia</i> sp.	✓		
Goodeniaceae	<i>Goodenia stobbsiana</i>			✓
Goodeniaceae	<i>Scaevola</i> aff. <i>browniana</i>			✓
Goodeniaceae	<i>Scaevola</i> aff. <i>cunninghamii</i>			✓
Goodeniaceae	<i>Scaevola amblyanthera</i> var. <i>centralis</i>	✓	✓	
Goodeniaceae	<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	✓	✓	✓
Goodeniaceae	<i>Scaevola</i> sp.	✓		
Goodeniaceae	<i>Scaevola spinescens</i>		✓	
Goodeniaceae	<i>Scaevola spinescens</i> (broad form)		✓	✓
Goodeniaceae	<i>Scaevola spinescens</i> (narrow form)	✓		
Stylidiaceae	<i>Stylidium desertorum</i>	✓		
Asteraceae	<i>Centipeda minima</i> subsp. <i>macrocephala</i>	✓	✓	✓
Asteraceae	<i>Flaveria australasica</i>	✓		
Asteraceae	<i>Pluchea ferdinandi-muelleri</i>	✓	✓	✓
Asteraceae	<i>Pluchea rubelliflora</i>	✓	✓	✓
Asteraceae	<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)		✓	
Asteraceae	<i>Pluchea tetranthera</i>	✓	✓	✓
Asteraceae	<i>Pterocaulon serrulatum</i>	✓		✓

Family	Species Name	Summer Season Survey (QT)	Winter Season Survey (QR)	Additional Winter Survey Areas (QN)
Asteraceae	<i>Pterocaulon</i> sp.	✓		
Asteraceae	<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599)		✓	
Asteraceae	<i>Pterocaulon sphacelatum</i>	✓	✓	✓
Asteraceae	<i>Pterocaulon sphaeranthoides</i>		✓	✓
Asteraceae	<i>Streptoglossa bubakii</i>	✓		
Asteraceae	<i>Streptoglossa decurrens</i>	✓	✓	✓
Asteraceae	<i>Streptoglossa odora</i>			✓

APPENDIX H

FLORA SPECIES-BY-SITE MATRIX

APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT01	OT02	QT03	QT04	QT05	QT06	QT07	QT08	QT09	QT10	QT11	QT12	QT13	QT14	QT15	QT16	QT17	QT18	QT19	QT20	QT21	QT22	QT23	QT24	QT25	QT26	QT27	
<i>Triodia schinzii</i>																												
<i>Triodia secunda</i>				3%		1%			2%							2%		80%			30%		10%	10%		4%	4%	40%
<i>Triodia</i> sp.																									4%		1%	
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (H123-10)																												
<i>Triumfetta chaetocarpa</i>																												
<i>Wahlenbergia tumidifructa</i>																												
<i>Waltheria indica</i>																												
<i>Whiteochloa airoides</i>		+	1%	+	+			+	1%	+																		
<i>Yakirra australiensis</i> var. <i>australiensis</i>																												
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																												

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT28	QT29	QT30	QT31	QT32	QT33	QT34	QT35	QT36	QT37	QT38	QT39	QT40	QT41	QT42	QT43	QT44	QT45	QT46	QT47	QT48	QT49	QT50	QT51	QT52	QT53	QT54
<i>Triodia schinzii</i>						1%	30%											1%							+	20%	
<i>Triodia secunda</i>				10%	2%	+		20%	75%	5%	70-80%			20%		1%	2%					18%	+	5%			
<i>Triodia</i> sp.							3%																				
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (H123-10)																											
<i>Triumfetta chaetocarpa</i>		+	+																							1%	+
<i>Wahlenbergia tumidifructa</i>																											
<i>Waltheria indica</i>	+																									+	
<i>Whiteochloa airoides</i>			+	+																							
<i>Yakirra australiensis</i> var. <i>australiensis</i>																											
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																											

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APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT55	QT56	QT57	QT58	QT59	QT60	QT61	QT62	QT63	QT64	QT65	QT66	QT67	QT68	QT69	QT70	QT71	QT72	QT73	QT74	QT75	QT76	QT77	QT78	QT79	QT80	QT81
<i>Triodia schinzii</i>		15%					20%	20%	1%			3%							30%		3%				1%		
<i>Triodia secunda</i>	+		15-20%			3%					5%			60%			20%	4%				5%	10%	1%			
<i>Triodia</i> sp.																											10%
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (H123-10)																											
<i>Triumfetta chaetocarpa</i>										+																	1%
<i>Wahlenbergia tumidifruca</i>																							+				
<i>Waltheria indica</i>					+					+						1%							+				+
<i>Whiteochloa airoides</i>																											1%
<i>Yakirra australiensis</i> var. <i>australiensis</i>																											
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																											

+ denotes a percentage cover of less than 1%
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OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT82	QT83	QT84	QT85	QT86	QT87	QT88	QT89	QT90	QT91	QT92	QT93	QT94	QT95	QT96	QT97	QT98	QT99	QT100	QT101	QT102	QT103	QT104	QT105	QT106	QT107	QT108
<i>Triodia schinzii</i>					30%	20%		20%		+	1%	30%			35%	1%	3%		1%		35%	20%	1%		4%		+
<i>Triodia secunda</i>	5%		40%									15%															
<i>Triodia</i> sp.		+																									
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (H123-10)																				+							
<i>Triumfetta chaetocarpa</i>						+	+	+			3%		+							+							
<i>Wahlenbergia tumidifructa</i>						+																					
<i>Waltheria indica</i>				1%		+	+				+									+	+						
<i>Whiteochloa airoides</i>																											
<i>Yakirra australiensis</i> var. <i>australiensis</i>																										+	
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																											

+ denotes a percentage cover of less than 1%
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APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Abutilon lepidum</i>				+														
<i>Abutilon otocarpum</i>																		
<i>Abutilon</i> sp.																		
<i>Abutilon trudgenii</i>						+												
<i>Acacia ampliceps</i>							+											
<i>Acacia ancistrocarpa</i>	6%	10%	20%		8%	10%		+	50%	10%		10%	15%	20%	2%	3%		5%
<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>	+	3%			+							+						
<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>																		
<i>Acacia bivenosa</i>	3%	+																1%
<i>Acacia colei</i> var. <i>colei</i>				1%	+		8%					5%	+			2%		10%
<i>Acacia coriacea</i> subsp. <i>coriacea</i>										+						+		1%
<i>Acacia inaequilatera</i>	1%	1%	3%	+	3%	5%		1%	1%	2%	1%	5%	2%	+	5%	3%	5%	5%
<i>Acacia maitlandii</i>			+															
<i>Acacia pyrifolia</i>																		
<i>Acacia sericocarpa</i>												2%						
<i>Acacia sericophylla</i>									2%	+	1%		+	3%	2%	1%		
<i>Acacia</i> sp.																		2%
<i>Acacia stellaticeps</i>		+		1%	2%			20%		3%	8%	10%	10%	3%	8%	3%	8%	8%
<i>Acacia trachycarpa</i>							5%											
<i>Acacia tumida</i> var. <i>pilbarensis</i>		+					4%		1%	4%		2%	3%	1%	5%		5%	3%
<i>Achyranthes aspera</i>																		
<i>Adriana urticoides</i> var. <i>urticoides</i>																		
* <i>Aerva javanica</i>				+	+													
<i>Alteranthera nana</i>												+						
<i>Ammannia baccifera</i>								+										
<i>Aristida contorta</i>			2%	+														
<i>Aristida holathera</i>												+						2%
<i>Aristida holathera</i> var. <i>holathera</i>																		
<i>Aristida holathera</i> var. <i>latifolia</i>							+		+					+				
<i>Aristida inaequiglumis</i>					+												+	
<i>Aristida</i> sp.																		
<i>Atalaya hemiglauca</i>	2%																	
<i>Avicennia marina</i>																		
<i>Bergia henshallii</i>																		
<i>Bergia pedicellaris</i>																		
<i>Boerhavia</i> sp.																		
<i>Bonamia linearis</i>	+					+				+		+	+					
<i>Bonamia media</i> var. <i>media</i>																		
<i>Bonamia rosea</i>	+	+								+		+	+		2%	+	1%	+
<i>Bonamia</i> sp. (HD94-6)																		
<i>Bulbostylis barbata</i>					+			+	+		+				+			
<i>Cajanus cinereus</i>																		
<i>Cajanus marmoratus</i>																		
<i>Calandrinia pumila</i>						+												
<i>Calandrinia quadrivalvis</i>							+											
<i>Calandrinia</i> sp.																		
<i>Calandrinia</i> sp. Pinga (T.R. Lally TRL 722)																		
<i>Carissa lanceolata</i>												1%						
<i>Cassytha capillaris</i>											+					+	+	+
* <i>Cenchrus ciliaris</i>				1%	+	1%	35%					+				+		
<i>Centaurium spicatum</i>																		
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																		
<i>Ceriops tagal</i>																		
* <i>Chloris virgata</i>																		
<i>Chrysopogon fallax</i>						+								+		+		
* <i>Citrullus colocynthis</i>							+											
<i>Cleome uncifera</i> subsp. <i>uncifera</i>										+								
<i>Cleome viscosa</i>																		
<i>Corchorus elachocarpus</i>					+		+					+	1%					
<i>Corchorus incanus</i>																		
<i>Corchorus incanus</i> subsp. <i>incanus</i>			+				+		+	+			1%	+	+	+	+	+

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Corymbia flavescens</i>							5%					5%						
<i>Corymbia</i> sp.	+																	
<i>Corymbia zygophylla</i>					1%							8%	5%	+	1%			
<i>Crotalaria cunninghamii</i>																		
<i>Crotalaria medicaginea</i>																		
<i>Crotalaria ramosissima</i>																		
<i>Cullen martinii</i>					+													
<i>Cullen pogonocarpum</i>																		
<i>Cullen stipulaceum</i>																		
<i>Cyperus blakeanus</i>							+											
<i>Cyperus pulchellus</i>																		
<i>Cyperus squarrosus</i>																		
<i>Dentella minutissima</i>																		
<i>Digitaria brownii</i>																		
<i>Dodonaea coriacea</i>									+			+			+			2%
<i>Dolichandrone heterophylla</i>										1%	+	+			3%			
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>									+			+		+				
<i>Dysphania sphaerosperma</i>							+											
<i>Ehretia saligna</i>												1%						
<i>Elytrophorus spicatus</i>																		
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)					+								2%	+		+		
<i>Eragrostis cumingii</i>			1%									1%	+					+
<i>Eragrostis falcata</i>																		
<i>Eragrostis speciosa</i>																		
<i>Eriachne aristidea</i>																		
<i>Eriachne benthamii</i>																		
<i>Eriachne mucronata</i> (typical form)																		
<i>Eriachne obtusa</i>					+							8%	+	+	1%	+		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																		
<i>Eriachne</i> sp. Port Hedland																		
<i>Eucalyptus</i> sp.																		
<i>Eucalyptus victrix</i>																		
<i>Eulalia aurea</i>																		
<i>Euphorbia coghlanii</i>				+			+					+						
<i>Euphorbia</i> sp.			1%	+		+	#		+			+	+					+
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>						+												+
<i>Fimbristylis</i> sp.				+								8%						
<i>Flaveria australasica</i>																		
<i>Frankenia pauciflora</i>																		
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																		
<i>Glinus lotoides</i>							+											
<i>Glycine canescens</i>																		
<i>Gomphrena canescens</i>																		
<i>Gomphrena sordida</i>																		
<i>Gomphrena</i> sp.																		
<i>Goodenia armitiana</i>																		
<i>Goodenia forrestii</i>															+			+
<i>Goodenia lamprosperma</i>																		
<i>Goodenia microptera</i>					+													
<i>Goodenia muelleriana</i>																		
<i>Goodenia</i> sp.																		
<i>Gossypium australe</i> (Burrup Peninsula form)			+												+			
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>															+	+		
<i>Gymnanthera cunninghamii</i>																		
<i>Hakea lorea</i> subsp. <i>lorea</i>		+							+			2%	3%					+
<i>Halosarcia auriculata</i>																		
<i>Halosarcia halocnemoides</i>																		
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																		
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																		
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																		

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APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Halosarcia pterygosperma</i> subsp. <i>denticulata</i>																		
<i>Halosarcia</i> sp.																		
<i>Heliotropium chrysocarpum</i>																		
<i>Heliotropium cunninghamii</i>																		
<i>Heliotropium</i> sp.					+	+												
<i>Hemichroa diandra</i>																		
<i>Hibiscus austrinus</i> var. <i>austrinus</i>								+										
<i>Hibiscus brachychlaenus</i>																		
<i>Hibiscus leptocladus</i>														+				
<i>Hibiscus</i> sp.							+											
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																		
<i>Hybanthus aurantiacus</i>								+	+		+		+		+	+	+	+
<i>Indigofera colutea</i>																		
<i>Indigofera linnaei</i>																		
<i>Indigofera monophylla</i>	+	+	2%		1%	+		+			+	2%	1%	+		+	+	1%
<i>Indigofera trita</i>																		
<i>Ipomoea coptica</i>																		
<i>Ipomoea muelleri</i>																		
<i>Ipomoea pes-caprae</i>																		
<i>Leptosema anomalum</i>																	+	
<i>Maireana</i> sp.																		
<i>Malvastrum</i> sp.																		
<i>Marsilea hirsuta</i>																		
<i>Melaleuca argentea</i>																		
<i>Melaleuca glomerata</i>																		
<i>Melaleuca lasiandra</i>																		
<i>Merremia davenportii</i>																		
<i>Mimulus gracilis</i>																		
<i>Mitrasacme connata</i>																		
<i>Mollugo molluginis</i>					+	+			+	+			+	+	+	+	+	+
<i>Muellerolimon salicorniaceum</i>																		
<i>Mukia maderaspatana</i>					+		+					+	+	+				
<i>Myoporum montanum</i>																		
<i>Neobassia astrocarpa</i>																		
<i>Neptunia dimorphantha</i>				+														
<i>Owenia reticulata</i>																		
<i>Panicum decompositum</i>							+											
<i>Paraneurachne muelleri</i>						1%				+	+	+			+			
<i>Paspalidium rarum</i>																		
<i>Phyllanthus maderaspatensis</i>																		
<i>Pimelea ammocharis</i>					+													
<i>Pluchea ferdinandi-muelleri</i>					+		+											
<i>Pluchea rubelliflora</i>					+		+											
<i>Pluchea tetranthera</i>					1%													
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>									+									
<i>Polycarpaea longiflora</i>														+		+		
<i>Polymeria aff. calycina</i>																		
<i>Polymeria calycina</i>					+	+												
<i>Polymeria</i> sp.		+																
<i>Portulaca</i> sp.																		
<i>Pterocaulon serrulatum</i>									+									
<i>Pterocaulon sphacelatum</i>					+													
<i>Ptilotus arthrolasius</i>																		
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>	+							+		1%	+	+	3%	+	+	+	2%	2%
<i>Ptilotus axillaris</i>																		
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>													+					
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>																		
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>																		
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>																		
<i>Rhagodia eremaea</i>																		
<i>Rhynchosia minima</i> var. <i>australis</i>							+											

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126		
<i>Rotala diandra</i>																				
<i>Salsola tragus</i> subsp. <i>grandiflora</i>				+																
<i>Santalum lanceolatum</i>																				
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																				
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>										+			+	+	+	+	+	+		
<i>Scaevola</i> sp.																				
<i>Scaevola spinescens</i> (narrow form)																				
<i>Schizachyrium fragile</i>														+	+			+		
<i>Senna artemisioides</i> aff subsp. <i>oligophylla</i> (thinly sericeous)										3%				+			2%			
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																				
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>																				
<i>Senna glutinosa</i> subsp. <i>luerssenii</i>				+										+						
<i>Senna notabilis</i>		+		+	+			+	+	+		+	+	+						
<i>Senna venusta</i>									+											
<i>Sesbania cannabina</i>									+											
<i>Sesuvium portulacastrum</i>																				
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)					+															
<i>Sida</i> aff. <i>fibulifera</i>																				
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)														+						
<i>Sida billbarkeri</i>				+	+	+														
<i>Sida clementii</i>				+		+														
<i>Sida pilbarensis</i> (ferruginous form)					+					+	+				+		+			
<i>Sida rohlena</i> subsp. <i>rohlena</i>			+		+	+	+											+		
<i>Sida</i> sp.																				
<i>Solanum cleistogamum</i>																				
<i>Solanum diversiflorum</i>																				
<i>Solanum lasiophyllum</i>																				
<i>Solanum phlomoides</i>													+							
<i>Solanum</i> sp.																				
<i>Spinifex longifolius</i>																				
<i>Sporobolus australasicus</i>	+		+	+	+															
<i>Sporobolus virginicus</i>																				
<i>Stemodia grossa</i>									+											
<i>Stemodia lathraia</i>																				
<i>Streptoglossa bubakii</i>																				
<i>Streptoglossa decurrens</i>																				
<i>Streptoglossa odora</i>																				
<i>Stylidium desertorum</i>																				
<i>Swainsona pterostylis</i>																				
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>										+										
<i>Tephrosia leptoclada</i>													+							
<i>Tephrosia rosea</i> var. <i>venulosa</i>																				
<i>Tephrosia simplicifolia</i>																				
<i>Tephrosia</i> sp.																				
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)																				
<i>Tephrosia supina</i>						+														
<i>Threlkeldia diffusa</i>																				
<i>Tinospora smilacina</i>																				
<i>Trianthema pilosa</i>																				
<i>Trianthema triquetra</i>																				
<i>Trianthema turgidifolia</i>																				
<i>Tribulus</i> sp.																				
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																				
<i>Tricoryne corynothecoides</i>																				
<i>Triodia epactia</i>									1%		1%	18%	2%	12%	20%	25%	40%	2%	25%	3%
<i>Triodia lanigera</i>	25%	50%	45%	10%	10%	2%			30%	30%	30%	40%	8%	3%	10%	5%	25%	15%	30%	
<i>Triodia longiceps</i>																				
<i>Triodia pungens</i>																				

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H1

Matrix of Species Found Within Each Site - Summer Survey

Species Name	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Triodia schinzii</i>	25%	+	+	30%	30%	40%		+								5%		
<i>Triodia secunda</i>																		
<i>Triodia</i> sp.																		
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (H123-10)																		
<i>Triumfetta chaetocarpa</i>					+													
<i>Wahlenbergia tumidifructa</i>																		
<i>Waltheria indica</i>								+										
<i>Whiteochloa airoides</i>																		
<i>Yakirra australiensis</i> var. <i>australiensis</i>																		
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																		

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN01	QN02	QN03	QN04	QN05	QN06	QN07	QN08	QN09	QN10	QN11	QN12	QN13	QN14	QN15	QN16	QN17	QN18	QN19	QN20	QN21	QN22	QN23	QN24
* <i>Citrullus colocynthis</i>																								
<i>Cleome uncifera</i> subsp. <i>uncifera</i>				+						+	+			+										
<i>Cleome viscosa</i>																	+							
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>																								
<i>Commelina ensifolia</i>																								
<i>Corchorus</i> aff. <i>incanus</i>																								
<i>Corchorus elachocarpus</i>	+											1%	1%											
<i>Corchorus incanus</i> subsp. <i>incanus</i>			+	1%								1%	+	7%										
<i>Corymbia flavescens</i>										2%	+						2%						3%	
<i>Corymbia hamersleyana</i>	1%																		+				1%	
<i>Corymbia</i> sp.																								
<i>Corymbia zygophylla</i>																								
<i>Crotalaria cunninghamii</i>																								
<i>Crotalaria medicaginea</i>																								
<i>Crotalaria ramosissima</i>																								
* <i>Cucumis melo</i> subsp. <i>agrestis</i>										+	+						+							
<i>Cullen cinereum</i>																								
<i>Cullen graveolens</i>																								
<i>Cullen lachnostachys</i>																								
<i>Cullen stipulaceum</i>												+												
<i>Cynanchum</i> sp. (MET 15,151)																								
<i>Cyperus blakeanus</i>																								
<i>Cyperus concinnus</i>																								
<i>Cyperus iria</i>																								
<i>Cyperus ixiocarpus</i>																								
<i>Cyperus pulchellus</i>																								
<i>Cyperus squarrosus</i>																								
<i>Dactyloctenium radulans</i>																								
<i>Dentella minutissima</i>										+														
<i>Desmodium filiforme</i>																								
<i>Desmodium muelleri</i>																								
<i>Digitaria brownii</i>					+																			
* <i>Digitaria ciliaris</i>																								
<i>Diplachne fusca</i> subsp. <i>fusca</i>																								
<i>Dodonaea coriacea</i>																								
<i>Dolichandrone heterophylla</i>																								
<i>Drosera indica</i>																								
<i>Dysphania plantaginella</i>																								
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>				+																				
<i>Ehretia saligna</i>																								
<i>Ehretia saligna</i> var. <i>saligna</i>																								
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>																								
<i>Enneapogon polyphyllus</i>																								
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)	2%		1%				+					+	1%											
<i>Eragrostis cumingii</i>																								
<i>Eragrostis dielsii</i>																								
<i>Eragrostis elongata</i>																								
<i>Eragrostis falcata</i>																								
<i>Eragrostis</i> sp.																								
<i>Eragrostis speciosa</i>																								
<i>Eragrostis tenellula</i>																								
<i>Eragrostis xerophila</i>																								
<i>Eriachne aristidea</i>																								
<i>Eriachne benthamii</i>																								
<i>Eriachne helmsii</i>																								
<i>Eriachne mucronata</i> (typical form)																								
<i>Eriachne obtusa</i>							+																	
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																								
<i>Eriachne</i> sp.																								
<i>Eriachne</i> sp. Port Hedland																								
<i>Eriachne sulcata</i>																								

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN01	QN02	QN03	QN04	QN05	QN06	QN07	QN08	QN09	QN10	QN11	QN12	QN13	QN14	QN15	QN16	QN17	QN18	QN19	QN20	QN21	QN22	QN23	QN24
<i>Eucalyptus victrix</i>														2%		1%	5%					3%		
<i>Eulalia aurea</i>																								
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)																								
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)																								
<i>Euphorbia australis</i>							+															+		
<i>Euphorbia australis</i> (mid-green form)																								
<i>Euphorbia coghlanii</i>																								
<i>Euphorbia</i> sp.																								
<i>Euphorbia</i> sp. (B170-4)	1%										+													
<i>Euphorbia</i> sp. (FMR70-12)										+														
<i>Euphorbia</i> sp. (site 1089)										+														
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																								
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)																								
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>																								
<i>Ficus brachypoda</i>																								
<i>Fimbristylis dichotoma</i>															+	+								+
<i>Fimbristylis microcarya</i>																								
<i>Fimbristylis oxystachya</i>																								
<i>Fimbristylis rara</i>																								
<i>Fimbristylis simulans</i>																								
<i>Fimbristylis</i> sp.																								
<i>Frankenia pauciflora</i>																								
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																								
<i>Glycine canescens</i>																								
<i>Glycine tomentella</i>																								
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>																								
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																								
<i>Gomphrena cunninghamii</i>																								
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>																								
<i>Goodenia forrestii</i>																								
<i>Goodenia lamprosperma</i>												1%	2%		+		1%			+	+			+
<i>Goodenia microptera</i>																								
<i>Goodenia nuda</i>																								
<i>Goodenia stobbsiana</i>																								
<i>Gossypium australe</i> (Burrup Peninsula form)				+																				
<i>Grevillea pyramidalis</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>																								
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																								
<i>Gymnanthera cunninghamii</i>																								
<i>Hakea lorea</i> subsp. <i>lorea</i>																								2%
<i>Halosarcia auriculata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																								
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																								
<i>Heliotropium chrysocarpum</i>																								
<i>Heliotropium cunninghamii</i>															+									
<i>Heliotropium foliatum</i>																								
<i>Heliotropium muticum</i>											+					+								
<i>Heliotropium</i> sp.																								
<i>Hemichroa diandra</i>																								
<i>Hibiscus austrinus</i> var. <i>austrinus</i>																								
<i>Hibiscus brachychlaenus</i>																								
<i>Hibiscus leptocladus</i>																								
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>				+	+																			
<i>Hybanthus aurantiacus</i>															+	+								
<i>Indigofera colutea</i>																								
<i>Indigofera hirsuta</i>																								
<i>Indigofera linifolia</i>																								
<i>Indigofera linnaei</i>																								

+ denotes a percentage cover of less than 1%
 # denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN01	QN02	QN03	QN04	QN05	QN06	QN07	QN08	QN09	QN10	QN11	QN12	QN13	QN14	QN15	QN16	QN17	QN18	QN19	QN20	QN21	QN22	QN23	QN24
<i>Indigofera monophylla</i>																								
<i>Indigofera monophylla</i> (small calyx form)	+	+		1%	+	+		+	+	+	+	1%		+	+	+	+	1%	1%	+	+	1%	+	
<i>Indigofera trita</i>																								
<i>Ipomoea coptica</i>																								
<i>Ipomoea costata</i>																								
<i>Ipomoea muelleri</i>																								
<i>Ipomoea polymorpha</i>																								
<i>Isotropis atropurpurea</i>													+	+										
<i>Kennedia prorepens</i>																								
<i>Keraudrenia nephrosperma</i>																								
<i>Leptopus decaisnei</i> var. <i>orbicularis</i>																								
<i>Leptosema anomalum</i>																								
<i>Lipocarpa microcephala</i>																								
<i>Marsilea hirsuta</i>													+	+	+									
<i>Melaleuca argentea</i>																								
<i>Melaleuca glomerata</i>																								
<i>Melaleuca lasiandra</i>																								
<i>Melhania</i> sp. Cape Preston (M77-10)																								
<i>Merremia davenportii</i>																								
* <i>Merremia dissecta</i>																								
<i>Mimulus gracilis</i>																								
<i>Mitrasacme connata</i>																								
<i>Mollugo molluginea</i>																								
<i>Muellerolimon salicorniaceum</i>																								
<i>Mukia maderaspatana</i>												+												
<i>Murdannia graminea</i>																								
<i>Myoporum montanum</i>																								
<i>Neobassia astrocarpa</i>																								
<i>Neptunia monosperma</i>																								
<i>Oldenlandia galioides</i>																								
<i>Owenia reticulata</i>	+																							
<i>Panicum decompositum</i>																								
<i>Paraneurachne muelleri</i>				2%																				
<i>Paspalidium rarum</i>																								
<i>Perotis rara</i>																								
<i>Phyllanthus exilis</i>																								
<i>Phyllanthus maderaspatensis</i>																								
<i>Pimelea ammocharis</i>																								
<i>Pluchea ferdinandi-muelleri</i>																								
<i>Pluchea rubelliflora</i>																								
<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)																								
<i>Pluchea tetranthera</i>	+			1%																				
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>																								
<i>Polygala linariifolia</i>																								
<i>Polymeria calycina</i>																								
<i>Polymeria</i> sp. (site 1365)																								
<i>Portulaca conspicua</i>																								
* <i>Portulaca oleracea</i>																								
<i>Portulaca pilosa</i>																								
<i>Pterocaulon serrulatum</i>																								
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) PN																								
<i>Pterocaulon sphacelatum</i>																								
<i>Pterocaulon sphaeranthoides</i>																								
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>				1%	+																			
<i>Ptilotus axillaris</i>																								
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>																								
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>																								
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>																								
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>																								
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>																								
<i>Rhagodia eremaea</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN01	QN02	QN03	QN04	QN05	QN06	QN07	QN08	QN09	QN10	QN11	QN12	QN13	QN14	QN15	QN16	QN17	QN18	QN19	QN20	QN21	QN22	QN23	QN24
<i>Rhynchosia minima</i> var. <i>australis</i>																								
<i>Salsola tragus</i> subsp. <i>tragus</i>																					+			
<i>Santalum lanceolatum</i>																								
<i>Sarcostemma viminalis</i> subsp. <i>australe</i>																								
<i>Scaevola</i> aff. <i>browniana</i>																								
<i>Scaevola</i> aff. <i>cunninghamii</i>																								
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																								
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>				1%		+																		
<i>Scaevola spinescens</i>																								
<i>Scaevola spinescens</i> (broad form)				+		+																		
<i>Schizachyrium fragile</i>																								
<i>Schoenoplectus lateriflorus</i>																								
<i>Sclerolaena hostilis</i>																								
<i>Sclerolaena</i> sp.																								
<i>Senna artemisioides</i> aff. subsp. <i>oligophylla</i> (thinly)					+																			
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																								
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>																								
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																								
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>																								
<i>Senna notabilis</i>			+	+			+	+		+	+	+				+	+							
<i>Senna symonii</i>																								
<i>Senna venusta</i>																								
<i>Sesbania cannabina</i>																								
<i>Sesuvium portulacastrum</i>																								
* <i>Setaria verticillata</i>																								
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)																								
<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)																								
<i>Sida arenicola</i>																								
<i>Sida billbarkeri</i>																								
<i>Sida clementii</i>																								
<i>Sida pilbarensis</i> (ferruginous form)				+			+	+		+	+	+	+											
<i>Sida rohlenae</i>																								
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>																								
<i>Solanum cleistogamum</i>																								
<i>Solanum cunninghamii</i>																								
<i>Solanum diversiflorum</i>																								
<i>Solanum lasiophyllum</i>	+		1%	+			+			+														
<i>Solanum phlomoides</i>																								
<i>Sorghum plumosum</i>																								
<i>Spinifex longifolius</i>																								
<i>Sporobolus actinocladus</i>												+												
<i>Sporobolus australasicus</i>				+																				
<i>Sporobolus virginicus</i>																								
<i>Stackhousia intermedia</i>																								
<i>Stemodia grossa</i>																								
<i>Stemodia lathraia</i>																								
<i>Streptoglossa decurrens</i>																								
<i>Streptoglossa odora</i>																								
* <i>Stylosanthes hamata</i>																								
<i>Suaeda arbusculoides</i>																								
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																								
<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)																								
<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)																								
<i>Tephrosia</i> aff. <i>uniouolata</i> (HD76)																								
<i>Tephrosia leptoclada</i>																								
<i>Tephrosia simplicifolia</i>																								
<i>Tephrosia</i> sp.																								
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)																								
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)																								

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denotes species associated with the quadrat

OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN01	QN02	QN03	QN04	QN05	QN06	QN07	QN08	QN09	QN10	QN11	QN12	QN13	QN14	QN15	QN16	QN17	QN18	QN19	QN20	QN21	QN22	QN23	QN24	
<i>Tephrosia</i> sp. Finicane Island																									
<i>Tephrosia supina</i>																									
<i>Themeda triandra</i>																									
<i>Threlkeldia diffusa</i>																									
<i>Tinospora smilacina</i>										+															
<i>Trianthema oxycalyptra</i> var. <i>oxycalyptra</i>																									
<i>Trianthema pilosa</i>																									
<i>Trianthema triquetra</i>															+				3%						
<i>Trianthema triquetra</i> var. <i>triquetra</i>																									
<i>Trianthema turgidifolia</i>																									
<i>Tribulopsis angustifolia</i>																									
<i>Tribulus occidentalis</i>																									
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																									
<i>Tricoryne corynothecoides</i>																									
<i>Triodia epactia</i>	20%	40%	5%	25%	2%	15%	+	1%	1%	3%		30%	38%	3%	55%	65-70%	50%					3%	55%	75%	
<i>Triodia lanigera</i>	10%		1%	8%	50%	15%	20%	25%	50%	35%	65%	1%		5%					8%	65%	55%	35%		35-40%	
<i>Triodia longiceps</i>																				60%					
<i>Triodia schinzii</i>																									
<i>Triodia secunda</i>																									
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)																									
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																									
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																									
<i>Vigna lanceolata</i> var. <i>latifolia</i>																									
<i>Wahlenbergia tumidifruca</i>																									
<i>Waltheria indica</i>																									
<i>Whiteochloa airoides</i>																		+							
<i>Yakirra australiensis</i> var. <i>australiensis</i>																									
<i>Zornia chaetophora</i>																									
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																									

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN25	QN26	QN27	QN28	QN29	Q30	QN31	QN32	QN33	QN34	QN35	QN36	QN37	QN38	QN39	QN40	QN41	QN42	QN43	QN44	QN45	QN46	QN47	QN48
<i>Abutilon</i> aff. <i>dioicum</i> (HD195)																								
<i>Abutilon lepidum</i>																								
<i>Abutilon otocarpum</i>																								
<i>Abutilon</i> sp.																								
<i>Abutilon</i> sp. (HD164)																								
<i>Acacia ampliceps</i>																								
<i>Acacia ancistrocarpa</i>	2%	1%	+	2%	+		+	+		+		+		2%				2%				1%		
<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>	1%											+						+						
<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>																								
<i>Acacia ancistrocarpa</i> x <i>tumida</i>																								
<i>Acacia bivenosa</i>																								
<i>Acacia colei</i> var. <i>colei</i>				3%					2%					5%			1%					10%		
<i>Acacia inaequilatera</i>				2%				+	1%					1%	1%		1%					5%		
<i>Acacia maitlandii</i>																								
<i>Acacia pyrifolia</i>																								
<i>Acacia sabulosa</i>																								
<i>Acacia sericophylla</i>			+	1%	+		+	+	1%			+	+	+	2%	+		+			+	2%		
<i>Acacia stellaticeps</i>	5%	2%	30%	35%	15%	45%	35%	20%	35%	10%	20%	15%	30%	45%	35%	10%	30%	2%	40%	30%	15%	15%	35%	35%
<i>Acacia synchronicia</i>																								
<i>Acacia trachycarpa</i>																								
<i>Acacia trudgeniana</i>	4%		+		1%	1%	1%			+	+	+				1%		3%	1%	+				
<i>Acacia tumida</i> var. <i>pilbarensis</i>		12%	+		+	+	+	+		1%	1%	+	1%			+		+	1%	+	3%		1%	1%
<i>Achyranthes aspera</i>				+																				
<i>Adriana urticoides</i>																								
<i>Adriana urticoides</i> var. <i>urticoides</i>																								
* <i>Aerva javanica</i>				+									+		1%							+		
<i>Aeschynomene indica</i>																								
<i>Alternanthera</i> aff. <i>angustifolia</i>																								
<i>Alternanthera angustifolia</i>																								
<i>Alternanthera nana</i>																								
<i>Alysicarpus muelleri</i>																								
<i>Amaranthus mitchellii</i>																								
<i>Amaranthus pallidiflorus</i>																								
<i>Amaranthus</i> sp.																								
<i>Ammannia baccifera</i>																								
<i>Aristida holathera</i>																								
<i>Aristida holathera</i> var. <i>latifolia</i>								+		1%								+						
<i>Aristida inaequiglumis</i>																								
<i>Aristida ingrata</i>				+																				
<i>Atalaya hemiglauca</i>																								
<i>Avicennia marina</i>																								
<i>Bergia henschallii</i>																								
<i>Bergia trimera</i>																								
<i>Boerhavia coccinea</i>																								
<i>Bonamia linearis</i>		+	+	+			+	+	+	+						+					+		+	
<i>Bonamia media</i> var. <i>media</i>				+																				
<i>Bonamia pannosa</i>							+																	
<i>Bonamia rosea</i>				1%											+		+							
<i>Bulbostylis barbata</i>																								
<i>Byblis liniflora</i>																								
<i>Cajanus cinereus</i>																								
<i>Cajanus marmoratus</i>																								
<i>Calandrinia quadrivalvis</i>																								
<i>Calandrinia</i> sp.																								
<i>Carissa lanceolata</i>				+					+															1%
<i>Cassytha capillaris</i>		+	+		+			+	+	+	+			+	+	+	2%		+	+	+			
* <i>Cenchrus ciliaris</i>																								
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																								
<i>Ceriops tagal</i>																								
<i>Chloris pumilio</i>																								
<i>Chrysopogon fallax</i>		+	+	+	+				+			+			1%			+	+		+	+		+

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denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN25	QN26	QN27	QN28	QN29	Q30	QN31	QN32	QN33	QN34	QN35	QN36	QN37	QN38	QN39	QN40	QN41	QN42	QN43	QN44	QN45	QN46	QN47	QN48
* <i>Citrullus colocynthis</i>																								
<i>Cleome uncifera</i> subsp. <i>uncifera</i>									+															
<i>Cleome viscosa</i>																								
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>																								
<i>Commelina ensifolia</i>																								
<i>Corchorus</i> aff. <i>incanus</i>																								
<i>Corchorus elachocarpus</i>							+																	
<i>Corchorus incanus</i> subsp. <i>incanus</i>				+				+	+	+														
<i>Corymbia flavescens</i>																1%							+	
<i>Corymbia hamersleyana</i>		4%																						1%
<i>Corymbia</i> sp.																								
<i>Corymbia zygophylla</i>				4%	1%											12%								
<i>Crotalaria cunninghamii</i>																								
<i>Crotalaria medicaginea</i>																								
<i>Crotalaria ramosissima</i>																								
* <i>Cucumis melo</i> subsp. <i>agrestis</i>																								+
<i>Cullen cinereum</i>																								
<i>Cullen graveolens</i>																								
<i>Cullen lachnostachys</i>																								
<i>Cullen stipulaceum</i>																								
<i>Cynanchum</i> sp. (MET 15,151)																								
<i>Cyperus blakeanus</i>																								
<i>Cyperus concinnus</i>																								
<i>Cyperus iria</i>																								
<i>Cyperus ixiocarpus</i>																								
<i>Cyperus pulchellus</i>																								
<i>Cyperus squarrosus</i>																								
<i>Dactyloctenium radulans</i>																								
<i>Dentella minutissima</i>																								
<i>Desmodium filiforme</i>																								
<i>Desmodium muelleri</i>																								
<i>Digitaria brownii</i>																								
* <i>Digitaria ciliaris</i>																								
<i>Diplachne fusca</i> subsp. <i>fusca</i>																								
<i>Dodonaea coriacea</i>																								
<i>Dolichandrone heterophylla</i>																								
<i>Drosera indica</i>																								
<i>Dysphania plantaginella</i>																								
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																								
<i>Ehretia saligna</i>																								
<i>Ehretia saligna</i> var. <i>saligna</i>																								+
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>																								
<i>Enneapogon polyphyllus</i>																								
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)				1%																				5%
<i>Eragrostis cumingii</i>																								
<i>Eragrostis dielsii</i>																								
<i>Eragrostis elongata</i>																								
<i>Eragrostis falcata</i>																								
<i>Eragrostis</i> sp.																								
<i>Eragrostis speciosa</i>																								
<i>Eragrostis tenellula</i>																								
<i>Eragrostis xerophila</i>																								
<i>Eriachne aristidea</i>																								
<i>Eriachne benthamii</i>																								
<i>Eriachne helmsii</i>																								
<i>Eriachne mucronata</i> (typical form)																								
<i>Eriachne obtusa</i>																								
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																								
<i>Eriachne</i> sp.																								
<i>Eriachne</i> sp. Port Hedland																								
<i>Eriachne sulcata</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN25	QN26	QN27	QN28	QN29	Q30	QN31	QN32	QN33	QN34	QN35	QN36	QN37	QN38	QN39	QN40	QN41	QN42	QN43	QN44	QN45	QN46	QN47	QN48
<i>Eucalyptus victrix</i>	1%					+																		
<i>Eulalia aurea</i>																								
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)																								
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)																								
<i>Euphorbia australis</i>							+																	
<i>Euphorbia australis</i> (mid-green form)																								
<i>Euphorbia coghlanii</i>																								
<i>Euphorbia</i> sp.																								
<i>Euphorbia</i> sp. (B170-4)																								
<i>Euphorbia</i> sp. (FMR70-12)																								
<i>Euphorbia</i> sp. (site 1089)																								
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																								
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)										+					+		+							
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>																								
<i>Ficus brachypoda</i>																								
<i>Fimbristylis dichotoma</i>	+																							
<i>Fimbristylis microcarya</i>																								
<i>Fimbristylis oxystachya</i>																								
<i>Fimbristylis rara</i>																								
<i>Fimbristylis simulans</i>																								
<i>Fimbristylis</i> sp.																								
<i>Frankenia pauciflora</i>																								
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																								
<i>Glycine canescens</i>																								
<i>Glycine tomentella</i>																								
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>																								
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																								
<i>Gomphrena cunninghamii</i>																								
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>																								
<i>Goodenia forrestii</i>			+			+	+	+		+	+	+											+	
<i>Goodenia lamprosperma</i>																								
<i>Goodenia microptera</i>										+														
<i>Goodenia nuda</i>																								
<i>Goodenia stobbsiana</i>																								
<i>Gossypium australe</i> (Burrup Peninsula form)										+								+		+				
<i>Grevillea pyramidalis</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>																								1%
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																								
<i>Gymnanthera cunninghamii</i>																								
<i>Hakea lorea</i> subsp. <i>lorea</i>																								
<i>Halosarcia auriculata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																								
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																								
<i>Heliotropium chrysocarpum</i>																								
<i>Heliotropium cunninghamii</i>																								
<i>Heliotropium foliatum</i>																								
<i>Heliotropium muticum</i>											+													
<i>Heliotropium</i> sp.																								
<i>Hemichroa diandra</i>																								
<i>Hibiscus austrinus</i> var. <i>austrinus</i>																								
<i>Hibiscus brachychlaenus</i>												+												
<i>Hibiscus leptocladus</i>																		+						
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																								
<i>Hybanthus aurantiacus</i>			+							+	+	+	+										+	
<i>Indigofera colutea</i>																								
<i>Indigofera hirsuta</i>																								
<i>Indigofera linifolia</i>																								
<i>Indigofera linnaei</i>																								

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OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN25	QN26	QN27	QN28	QN29	Q30	QN31	QN32	QN33	QN34	QN35	QN36	QN37	QN38	QN39	QN40	QN41	QN42	QN43	QN44	QN45	QN46	QN47	QN48	
<i>Tephrosia</i> sp. Finicane Island																									
<i>Tephrosia supina</i>																									
<i>Themeda triandra</i>																									
<i>Threlkeldia diffusa</i>																									
<i>Tinospora smilacina</i>															+										
<i>Trianthes oxycalyptra</i> var. <i>oxycalyptra</i>																									
<i>Trianthes pilosa</i>																									
<i>Trianthes triquetra</i>																									
<i>Trianthes triquetra</i> var. <i>triquetra</i>																									
<i>Trianthes turgidifolia</i>																									
<i>Tribulopsis angustifolia</i>																									
<i>Tribulus occidentalis</i>																									
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																									
<i>Tricoryne corynothecoides</i>																									
<i>Triodia epactia</i>	65%	50%	35%	3%	+	10%		20%	4%	10%	5%	10%	1%	+	2%	1%	3%	2%	+	20%	20%	20%	15%	15%	
<i>Triodia lanigera</i>			10%	18%	20%	1%	30%	15%	40%	30%	25%	20%	20%	35%	8%	25%	35%	5%	10%				2%		
<i>Triodia longiceps</i>																									
<i>Triodia schinzii</i>																									
<i>Triodia secunda</i>																									
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)																							4%		
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																									
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																									
<i>Vigna lanceolata</i> var. <i>latifolia</i>																									
<i>Wahlenbergia tumidifruca</i>																									
<i>Waltheria indica</i>																							+		
<i>Whiteochloa airoides</i>																									
<i>Yakirra australiensis</i> var. <i>australiensis</i>																									
<i>Zornia chaetophora</i>																									
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																									

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN49	QN50	QN51	QN52	QN53	QN54	QN55	QN56	QN57	QN58	QN59	QN60	QN61	QN62	QN63	QN64	QN65	QN66	QN67	QN68	QN69	QN70	QN71	QN72
<i>Tephrosia</i> sp. Finicane Island																								
<i>Tephrosia supina</i>																								
<i>Themeda triandra</i>																								
<i>Threlkeldia diffusa</i>																								
<i>Tinospora smilacina</i>											+													
<i>Trianthes oxycalyptra</i> var. <i>oxycalyptra</i>																								
<i>Trianthes pilosa</i>																								
<i>Trianthes triquetra</i>																							+	
<i>Trianthes triquetra</i> var. <i>triquetra</i>																								
<i>Trianthes turgidifolia</i>																								
<i>Tribulopsis angustifolia</i>																+								
<i>Tribulus occidentalis</i>																								
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																								
<i>Tricoryne corynothecoides</i>																								
<i>Triodia epactia</i>	10%	15%	20%	5%	10%			4%	4%	2%	1%		2%	30%	5%		10%	1%	2%		10%	35%	30%	25%
<i>Triodia lanigera</i>						+						35%									35%	25%	25%	30%
<i>Triodia longiceps</i>																								
<i>Triodia schinzii</i>																	1%							
<i>Triodia secunda</i>							3%	5%					25%	+									5%	
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)	+										+													
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																								
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																								
<i>Vigna lanceolata</i> var. <i>latifolia</i>																								
<i>Wahlenbergia tumidifruca</i>																								
<i>Waltheria indica</i>				1%		+					+													
<i>Whiteochloa airoides</i>																								
<i>Yakirra australiensis</i> var. <i>australiensis</i>								1%					+			+								
<i>Zornia chaetophora</i>																								
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																								

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OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN73	QN74	QN75	QN76	QN77	QN78	QN79	QN80	QN81	QN82	QN83	QN84	QN85	QN86	QN87	QN88	QN89	QN90	QN91	QN92	QN93	QN94	QN95	QN96
<i>Tephrosia</i> sp. Finicane Island																								
<i>Tephrosia supina</i>																								
<i>Themeda triandra</i>																								
<i>Threlkeldia diffusa</i>																								
<i>Tinospora smilacina</i>	+					+	+					+			+									
<i>Trianthes oxycalyptra</i> var. <i>oxycalyptra</i>																								
<i>Trianthes pilosa</i>																								
<i>Trianthes triquetra</i>																								
<i>Trianthes triquetra</i> var. <i>triquetra</i>																								
<i>Trianthes turgidifolia</i>																								
<i>Tribulopsis angustifolia</i>																								
<i>Tribulus occidentalis</i>																								
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																								
<i>Tricoryne corynothecoides</i>																								
<i>Triodia epactia</i>	10%	70%	5%	+	70%	60%		70%	50%	5%		30%	2%	7% (4%)	10%	25%	30%	60%	15%	15%	5%	8%	10%	10%
<i>Triodia lanigera</i>	50%							40%	5%		20%		25%	2%	3% (2%)									
<i>Triodia longiceps</i>																								
<i>Triodia schinzii</i>																								
<i>Triodia secunda</i>																					1%			
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)																								
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																								
<i>Vigna lanceolata</i> var. <i>lanceolata</i>				+	+																			
<i>Vigna lanceolata</i> var. <i>latifolia</i>					+																			
<i>Wahlenbergia tumidifructa</i>					+																			
<i>Waltheria indica</i>				+											+							+	+	
<i>Whiteochloa airoides</i>																								
<i>Yakirra australiensis</i> var. <i>australiensis</i>																								
<i>Zornia chaetophora</i>																								
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN97	QN98	QN99	QN100	QN101	QN102	QN103	QN104	QN105	QN106	QN107	QN108	QNOP	QT01	OT02	QT03	QT04	QT05	QT06	QT07	QT08	QT09	QT10	QT11
* <i>Citrullus colocynthis</i>																								
<i>Cleome uncifera</i> subsp. <i>uncifera</i>																								
<i>Cleome viscosa</i>													nc	+		+								
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>													nc											
<i>Commelina ensifolia</i>																								
<i>Corchorus</i> aff. <i>incanus</i>															1%		+	+				1-2%	+	
<i>Corchorus elachocarpus</i>												+	nc											
<i>Corchorus incanus</i> subsp. <i>incanus</i>	+	+	+	+	+	+	+																	
<i>Corymbia flavescens</i>																								
<i>Corymbia hamersleyana</i>										1%		2%												
<i>Corymbia</i> sp.																								
<i>Corymbia zygophylla</i>									+				nc											
<i>Crotalaria cunninghamii</i>															+	5%		2%				1%	1%	
<i>Crotalaria medicaginea</i>																								
<i>Crotalaria ramosissima</i>																								
* <i>Cucumis melo</i> subsp. <i>agrestis</i>					+																			
<i>Cullen cinereum</i>																								
<i>Cullen graveolens</i>																								
<i>Cullen lachnostachys</i>																								
<i>Cullen stipulaceum</i>													nc											
<i>Cynanchum</i> sp. (MET 15,151)																								
<i>Cyperus blakeanus</i>																								
<i>Cyperus concinnus</i>																								
<i>Cyperus iria</i>																								
<i>Cyperus ixiocarpus</i>																								
<i>Cyperus pulchellus</i>																								
<i>Cyperus squarrosus</i>																								
<i>Dactyloctenium radulans</i>																								
<i>Dentella minutissima</i>																								
<i>Desmodium filiforme</i>																								
<i>Desmodium muelleri</i>																								
<i>Digitaria brownii</i>																								
* <i>Digitaria ciliaris</i>																								
<i>Diplachne fusca</i> subsp. <i>fusca</i>																								
<i>Dodonaea coriacea</i>																								
<i>Dolichandrone heterophylla</i>																								
<i>Drosera indica</i>																								
<i>Dysphania plantaginella</i>																								
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																								
<i>Ehretia saligna</i>																								
<i>Ehretia saligna</i> var. <i>saligna</i>																								
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>																							+	
<i>Enneapogon polyphyllus</i>																								
<i>Eragrostis</i> aff. <i>eripoda</i> (WAS site 963)	5% (4%)			+	+	+	+									+	1%	+			1%	+	1%	
<i>Eragrostis cumingii</i>																								
<i>Eragrostis dielsii</i>																								
<i>Eragrostis elongata</i>																								
<i>Eragrostis falcata</i>																+								15%
<i>Eragrostis</i> sp.																								
<i>Eragrostis speciosa</i>																								
<i>Eragrostis tenellula</i>																								
<i>Eragrostis xerophila</i>																								
<i>Eriachne aristidea</i>																								
<i>Eriachne benthamii</i>																								+
<i>Eriachne helmsii</i>																								
<i>Eriachne mucronata</i> (typical form)																								
<i>Eriachne obtusa</i>																								+
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																								1%
<i>Eriachne</i> sp.																								
<i>Eriachne</i> sp. Port Hedland																								
<i>Eriachne sulcata</i>													nc											

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denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN97	QN98	QN99	QN100	QN101	QN102	QN103	QN104	QN105	QN106	QN107	QN108	QNOP	QT01	OT02	QT03	QT04	QT05	QT06	QT07	QT08	QT09	QT10	QT11
<i>Eucalyptus victrix</i>									2%															
<i>Eulalia aurea</i>																								
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)																								
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)														1%										
<i>Euphorbia australis</i>					+					+														
<i>Euphorbia australis</i> (mid-green form)																								
<i>Euphorbia coghlanii</i>												+												
<i>Euphorbia</i> sp.																								
<i>Euphorbia</i> sp. (B170-4)																								
<i>Euphorbia</i> sp. (FMR70-12)																								
<i>Euphorbia</i> sp. (site 1089)																								
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																								
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)																						+	+	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	+	+																						
<i>Ficus brachypoda</i>																								
<i>Fimbristylis dichotoma</i>																								
<i>Fimbristylis microcarya</i>																								
<i>Fimbristylis oxystachya</i>																								
<i>Fimbristylis rara</i>																								
<i>Fimbristylis simulans</i>																								
<i>Fimbristylis</i> sp.																								
<i>Frankenia pauciflora</i>																								
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																								
<i>Glycine canescens</i>																								
<i>Glycine tomentella</i>																								
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>																								
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																								
<i>Gomphrena cunninghamii</i>																								
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>																								
<i>Goodenia forrestii</i>																								
<i>Goodenia lamprosperma</i>																								
<i>Goodenia microptera</i>																								
<i>Goodenia nuda</i>																								
<i>Goodenia stobbsiana</i>																								
<i>Gossypium australe</i> (Burrup Peninsula form)																								
<i>Grevillea pyramidalis</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>																								
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																								
<i>Gymnanthera cunninghamii</i>																								
<i>Hakea lorea</i> subsp. <i>lorea</i>	+																							
<i>Halosarcia auriculata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																								
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																								
<i>Heliotropium chrysocarpum</i>																								
<i>Heliotropium cunninghamii</i>																								
<i>Heliotropium foliatum</i>																								
<i>Heliotropium muticum</i>																								
<i>Heliotropium</i> sp.																								
<i>Hemichroa diandra</i>																								
<i>Hibiscus austrinus</i> var. <i>austrinus</i>																								
<i>Hibiscus brachychlaenus</i>																								
<i>Hibiscus leptocladus</i>																								
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	+																							
<i>Hybanthus aurantiacus</i>	+	+	+																					
<i>Indigofera colutea</i>																								
<i>Indigofera hirsuta</i>																								
<i>Indigofera linifolia</i>																								
<i>Indigofera linnaei</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN97	QN98	QN99	QN100	QN101	QN102	QN103	QN104	QN105	QN106	QN107	QN108	QNOP	QT01	OT02	QT03	QT04	QT05	QT06	QT07	QT08	QT09	QT10	QT11
<i>Indigofera monophylla</i>																								
<i>Indigofera monophylla</i> (small calyx form)	+	1%	+	+	+		+	+				+												
<i>Indigofera trita</i>																	+							
<i>Ipomoea coptica</i>																								
<i>Ipomoea costata</i>														5%										
<i>Ipomoea muelleri</i>		+																						
<i>Ipomoea polymorpha</i>																								
<i>Isotropis atropurpurea</i>			2%																					
<i>Kennedia prorepens</i>																								
<i>Keraudrenia nephrosperma</i>																								
<i>Leptopus decaisnei</i> var. <i>orbicularis</i>																								
<i>Leptosema anomalum</i>																								
<i>Lipocarpha microcephala</i>																								
<i>Marsilea hirsuta</i>																								
<i>Melaleuca argentea</i>																								
<i>Melaleuca glomerata</i>																								
<i>Melaleuca lasiandra</i>																								
<i>Melhania</i> sp. Cape Preston (M77-10)																								
<i>Merremia davenportii</i>																								
* <i>Merremia dissecta</i>														+										
<i>Mimulus gracilis</i>																								
<i>Mitrasacme connata</i>																								
<i>Mollugo molluginea</i>	+																							
<i>Muellerolimon salicorniaceum</i>																			10%					
<i>Mukia maderaspatana</i>	+	+	+							1%				+	+									
<i>Murdannia graminea</i>																								
<i>Myoporum montanum</i>																								
<i>Neobassia astrocarpa</i>																	1%							
<i>Neptunia monosperma</i>																								
<i>Odenlandia galioides</i>																								
<i>Owenia reticulata</i>		1%			2%																			
<i>Panicum decompositum</i>																								
<i>Paraneurachne muelleri</i>				+		+	+			+	(+)	+												
<i>Paspalidium rarum</i>																								
<i>Perotis rara</i>																								
<i>Phyllanthus exilis</i>																								
<i>Phyllanthus maderaspatensis</i>																								+
<i>Pimelea ammocharis</i>		5%	10%																					
<i>Pluchea ferdinandi-muelleri</i>																								
<i>Pluchea rubelliflora</i>																								
<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)																								
<i>Pluchea tetranthera</i>		+										+												
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>					+		+																	
<i>Polygala linariifolia</i>																								
<i>Polymeria calycina</i>																								
<i>Polymeria</i> sp. (site 1365)					+		+																	
<i>Portulaca conspicua</i>																								
* <i>Portulaca oleracea</i>																								
<i>Portulaca pilosa</i>																								+
<i>Pterocaulon serrulatum</i>																								
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) PN																								
<i>Pterocaulon sphacelatum</i>																								
<i>Pterocaulon sphaeranthoides</i>																								
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>					+																			
<i>Ptilotus axillaris</i>																								
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>																								
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>																								+
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>																								
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>																								
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>																								+
<i>Rhagodia eremaea</i>																								+
																								2%

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN97	QN98	QN99	QN100	QN101	QN102	QN103	QN104	QN105	QN106	QN107	QN108	QNOP	QT01	OT02	QT03	QT04	QT05	QT06	QT07	QT08	QT09	QT10	QT11
<i>Rhynchosia minima</i> var. <i>australis</i>													nc		nc	+	+	+				1%	+	
<i>Salsola tragus</i> subsp. <i>tragus</i>														+										
<i>Santalum lanceolatum</i>															2-3%					1%				
<i>Sarcostemma viminalis</i> subsp. <i>australe</i>													nc											
<i>Scaevola</i> aff. <i>browniana</i>									+															
<i>Scaevola</i> aff. <i>cunninghamii</i>																								
<i>Scaevola amblyanthera</i> var. <i>centralis</i>														+	+		+							
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																								
<i>Scaevola spinescens</i>																								
<i>Scaevola spinescens</i> (broad form)															1%									
<i>Schizachyrium fragile</i>					+																			
<i>Schoenoplectus lateriflorus</i>																								
<i>Sclerolaena hostilis</i>																								
<i>Sclerolaena</i> sp.																								
<i>Senna artemisioides</i> aff. subsp. <i>oligophylla</i> (thinly)																								
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>										+														
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>																								
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																								
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>																								
<i>Senna notabilis</i>				10%	10%	+	15%						nc											
<i>Senna symonii</i>																								
<i>Senna venusta</i>																								
<i>Sesbania cannabina</i>													nc											
<i>Sesuvium portulacastrum</i>																					+			
* <i>Setaria verticillata</i>																								
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)												+												
<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)														nc		+								
<i>Sida arenicola</i>																								
<i>Sida billbarkeri</i>																								
<i>Sida clementii</i>																								
<i>Sida pilbarensis</i> (ferruginous form)			+	+																				
<i>Sida rohlenae</i>																							+	
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	5%	+	+		+					+			nc								+			
<i>Solanum cleistogamum</i>																								
<i>Solanum cunninghamii</i>																								
<i>Solanum diversiflorum</i>																							+	
<i>Solanum lasiophyllum</i>									+															
<i>Solanum phlomoides</i>																								
<i>Sorghum plumosum</i>																								
<i>Spinifex longifolius</i>															10%									
<i>Sporobolus actinocladus</i>																								
<i>Sporobolus australasicus</i>																								
<i>Sporobolus virginicus</i>																					1%			
<i>Stackhousia intermedia</i>																								
<i>Stemodia grossa</i>																								
<i>Stemodia lathraia</i>																								
<i>Streptoglossa decurrens</i>																								
<i>Streptoglossa odora</i>													nc											
* <i>Stylosanthes hamata</i>																							+	
<i>Suaeda arbusculoides</i>																								+
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																								
<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)																								
<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)																								
<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)																								
<i>Tephrosia leptoclada</i>																								
<i>Tephrosia simplicifolia</i>																								
<i>Tephrosia</i> sp.																								
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)																								
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QN97	QN98	QN99	QN100	QN101	QN102	QN103	QN104	QN105	QN106	QN107	QN108	QNOP	QT01	OT02	QT03	QT04	QT05	QT06	QT07	QT08	QT09	QT10	QT11
<i>Tephrosia</i> sp. Finicane Island															+	+		1%		+		+	+	
<i>Tephrosia supina</i>																								
<i>Themeda triandra</i>													nc											
<i>Threlkeldia diffusa</i>																	+					+		
<i>Tinospora smilacina</i>																								
<i>Trianthera oxycalyptra</i> var. <i>oxycalyptra</i>																								
<i>Trianthera pilosa</i>				+									nc											
<i>Trianthera triquetra</i>																								
<i>Trianthera triquetra</i> var. <i>triquetra</i>																								
<i>Trianthera turgidifolia</i>															+		+					1%	+	
<i>Tribulopsis angustifolia</i>																								
<i>Tribulus occidentalis</i>														+		+						+		
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>															+	4%	1%	2%						
<i>Tricoryne corynothecoides</i>																+	+	+			+	+	+	
<i>Triodia epactia</i>		20%	5%		+	2%		2%	40%	55%	40%	50%			1%		3%					+		
<i>Triodia lanigera</i>								35%		5% (3%)	15%													
<i>Triodia longiceps</i>																								
<i>Triodia schinzii</i>																							2%	
<i>Triodia secunda</i>																	4%		+	+			3-4%	
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)		+		+																				
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																								
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																								
<i>Vigna lanceolata</i> var. <i>latifolia</i>																								
<i>Wahlenbergia tumidifruca</i>																								
<i>Waltheria indica</i>	+	+		+			+						nc											
<i>Whiteochloa airoides</i>																2%		+		+			+	
<i>Yakirra australiensis</i> var. <i>australiensis</i>																						+		
<i>Zornia chaetophora</i>																								
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT12	QT13	QT14	QT15	QT16	QT17	QT18	QT19	QT20	QT21	QT22	QT23	QT24	QT25	QT26	QT27	QT28	QT29	QT30	QT31	QT32	QT33	QT34	QT35	
<i>Abutilon</i> aff. <i>dioicum</i> (HD195)																									
<i>Abutilon lepidum</i>					+																				
<i>Abutilon otocarpum</i>																									
<i>Abutilon</i> sp.																									
<i>Abutilon</i> sp. (HD164)																									
<i>Acacia ampliceps</i>					+					+		1%	1%	+	+			+	10%	4%;					
<i>Acacia ancistrocarpa</i>					1%																				
<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>																									
<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>																									
<i>Acacia ancistrocarpa</i> x <i>tumida</i>																									
<i>Acacia bivenosa</i>					5%																				
<i>Acacia colei</i> var. <i>colei</i>					+										+		20%	1%				+	+	+	
<i>Acacia inaequilatera</i>																									
<i>Acacia maitlandii</i>																									
<i>Acacia pyrifolia</i>																									
<i>Acacia sabulosa</i>																									
<i>Acacia sericophylla</i>																									
<i>Acacia stellaticeps</i>										2%		2%	4%	4%	30%	5%	10%	6%	2%	2%	5%	15%	20%	+	
<i>Acacia synchronicia</i>																									
<i>Acacia trachycarpa</i>																		1%	+						
<i>Acacia trudgeniana</i>																									
<i>Acacia tumida</i> var. <i>pilbarensis</i>										+					+							+	+		
<i>Achyranthes aspera</i>																									
<i>Adriana urticoides</i>																									
<i>Adriana urticoides</i> var. <i>urticoides</i>																									
* <i>Aerva javanica</i>					+					+		+											+		
<i>Aeschynomene indica</i>																									
<i>Alternanthera</i> aff. <i>angustifolia</i>																									
<i>Alternanthera angustifolia</i>																									
<i>Alternanthera nana</i>																									
<i>Alysicarpus muelleri</i>																									
<i>Amaranthus mitchellii</i>																									
<i>Amaranthus pallidiflorus</i>																									
<i>Amaranthus</i> sp.																									
<i>Ammannia baccifera</i>																									
<i>Aristida holathera</i>																									
<i>Aristida holathera</i> var. <i>latifolia</i>										+			3%	1%	5%	2%	+	+	3%	2%	10%	4%	5%	+	
<i>Aristida inaequiglumis</i>																									
<i>Aristida ingrata</i>																									
<i>Atalaya hemiglauca</i>																									
<i>Avicennia marina</i>	60%	1%	65%	+			60%	1%	60%																
<i>Bergia henschallii</i>																									
<i>Bergia trimera</i>																									
<i>Boerhavia coccinea</i>					1%					+								+							
<i>Bonamia linearis</i>										+		+	+	+							+		+		
<i>Bonamia media</i> var. <i>media</i>										+															
<i>Bonamia pannosa</i>																									
<i>Bonamia rosea</i>																									
<i>Bulbostylis barbata</i>																									
<i>Byblis liniflora</i>																									
<i>Cajanus cinereus</i>																									
<i>Cajanus marmoratus</i>																									
<i>Calandrinia quadrivalvis</i>																									
<i>Calandrinia</i> sp.																									
<i>Carissa lanceolata</i>																								+	
<i>Cassytha capillaris</i>					+					+		+	+				+	+	+	+	+	+	+	+	
* <i>Cenchrus ciliaris</i>					+		2%			1%		+	+	1%		+			20%	15%					
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																									
<i>Ceriops tagal</i>			2%	+																					
<i>Chloris pumilio</i>																									
<i>Chrysopogon fallax</i>										2%			5%	12%	2%	5%	5%					+	2%	10%	5%

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT12	QT13	QT14	QT15	QT16	QT17	QT18	QT19	QT20	QT21	QT22	QT23	QT24	QT25	QT26	QT27	QT28	QT29	QT30	QT31	QT32	QT33	QT34	QT35
* <i>Citrullus colocynthis</i>																								
<i>Cleome uncifera</i> subsp. <i>uncifera</i>																								
<i>Cleome viscosa</i>					+																			
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>																								
<i>Commelina ensifolia</i>										3%		1%												
<i>Corchorus</i> aff. <i>incanus</i>					2%					+		+	+	1%	+	+	+	+	1%	1%	+			
<i>Corchorus elachocarpus</i>																								
<i>Corchorus incanus</i> subsp. <i>incanus</i>																								
<i>Corymbia flavescens</i>																	+							
<i>Corymbia hamersleyana</i>																								
<i>Corymbia</i> sp.																								
<i>Corymbia zygophylla</i>																								
<i>Crotalaria cunninghamii</i>																			+					
<i>Crotalaria medicaginea</i>																					+			
<i>Crotalaria ramosissima</i>																								
* <i>Cucumis melo</i> subsp. <i>agrestis</i>																								
<i>Cullen cinereum</i>																								
<i>Cullen graveolens</i>																								
<i>Cullen lachnostachys</i>																								
<i>Cullen stipulaceum</i>																								
<i>Cynanchum</i> sp. (MET 15,151)																								
<i>Cyperus blakeanus</i>										+				+			nc	+				+	+	+
<i>Cyperus concinnus</i>																								
<i>Cyperus iria</i>																								
<i>Cyperus ixiocarpus</i>																								
<i>Cyperus pulchellus</i>																								
<i>Cyperus squarrosus</i>																								
<i>Dactyloctenium radulans</i>																								
<i>Dentella minutissima</i>																								
<i>Desmodium filiforme</i>																								
<i>Desmodium muelleri</i>																								
<i>Digitaria brownii</i>													+		2%									
* <i>Digitaria ciliaris</i>																								
<i>Diplachne fusca</i> subsp. <i>fusca</i>																								
<i>Dodonaea coriacea</i>																								
<i>Dolichandrone heterophylla</i>																								
<i>Drosera indica</i>																								
<i>Dysphania plantaginella</i>																								
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																								
<i>Ehretia saligna</i>																								
<i>Ehretia saligna</i> var. <i>saligna</i>																								
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>					+																			
<i>Enneapogon polyphyllus</i>					+																			
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)					+					+									+	3%	+	+		
<i>Eragrostis cumingii</i>																								
<i>Eragrostis dielsii</i>																								
<i>Eragrostis elongata</i>																								
<i>Eragrostis falcata</i>						+							1%						+					
<i>Eragrostis</i> sp.																								
<i>Eragrostis speciosa</i>																								
<i>Eragrostis tenellula</i>																								
<i>Eragrostis xerophila</i>																								
<i>Eriachne aristidea</i>																								
<i>Eriachne benthamii</i>																								
<i>Eriachne helmsii</i>																								
<i>Eriachne mucronata</i> (typical form)																								
<i>Eriachne obtusa</i>					1%					3%		1%	10%	8%	5%	5%	5%	1%	5%	2%	5%	6%	1%	+
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																								
<i>Eriachne</i> sp.																								
<i>Eriachne</i> sp. Port Hedland																								
<i>Eriachne sulcata</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT12	QT13	QT14	QT15	QT16	QT17	QT18	QT19	QT20	QT21	QT22	QT23	QT24	QT25	QT26	QT27	QT28	QT29	QT30	QT31	QT32	QT33	QT34	QT35	
<i>Eucalyptus victrix</i>																	15%	+	5%	3%	1%				
<i>Eulalia aurea</i>													+	1%	+								10%	1%	1%
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)																									
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)																									
<i>Euphorbia australis</i>																			+						
<i>Euphorbia australis</i> (mid-green form)																									
<i>Euphorbia coghlanii</i>																									
<i>Euphorbia</i> sp.																									
<i>Euphorbia</i> sp. (B170-4)																									
<i>Euphorbia</i> sp. (FMR70-12)																									
<i>Euphorbia</i> sp. (site 1089)																									
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																									
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)										+				+	+	+	+	+	+	+	+	+	+	+	+
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>																									
<i>Ficus brachypoda</i>																									
<i>Fimbristylis dichotoma</i>																									
<i>Fimbristylis microcarya</i>																									
<i>Fimbristylis oxystachya</i>																									
<i>Fimbristylis rara</i>																									
<i>Fimbristylis simulans</i>																									
<i>Fimbristylis</i> sp.																									
<i>Frankenia pauciflora</i>																									
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																									
<i>Glycine canescens</i>																									
<i>Glycine tomentella</i>																									
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>																									
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																									
<i>Gomphrena cunninghamii</i>																									
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>																									
<i>Goodenia forrestii</i>																									
<i>Goodenia lamprosperma</i>																									
<i>Goodenia microptera</i>																									
<i>Goodenia nuda</i>																									
<i>Goodenia stobbsiana</i>																									
<i>Gossypium australe</i> (Burrup Peninsula form)																									
<i>Grevillea pyramidalis</i>																									
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>																									
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>																									
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																									
<i>Gymnanthera cunninghamii</i>																									
<i>Hakea lorea</i> subsp. <i>lorea</i>																									
<i>Halosarcia auriculata</i>																									
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																									
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>																									
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																									
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																									
<i>Heliotropium chrysocarpum</i>																									
<i>Heliotropium cunninghamii</i>																									
<i>Heliotropium foliatum</i>																									
<i>Heliotropium muticum</i>																									
<i>Heliotropium</i> sp.																									
<i>Hemichroa diandra</i>																									
<i>Hibiscus austrinus</i> var. <i>austrinus</i>																									
<i>Hibiscus brachychlaenus</i>																									
<i>Hibiscus leptocladus</i>																									
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																									
<i>Hybanthus aurantiacus</i>																									
<i>Indigofera colutea</i>																									
<i>Indigofera hirsuta</i>																									
<i>Indigofera linifolia</i>																									
<i>Indigofera linnaei</i>																									

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT12	QT13	QT14	QT15	QT16	QT17	QT18	QT19	QT20	QT21	QT22	QT23	QT24	QT25	QT26	QT27	QT28	QT29	QT30	QT31	QT32	QT33	QT34	QT35
<i>Indigofera monophylla</i>																								
<i>Indigofera monophylla</i> (small calyx form)																								
<i>Indigofera trita</i>					2%								+											
<i>Ipomoea coptica</i>																								
<i>Ipomoea costata</i>																								
<i>Ipomoea muelleri</i>																+								
<i>Ipomoea polymorpha</i>																								
<i>Isotropis atropurpurea</i>																								
<i>Kennedia prorepens</i>																								
<i>Keraudrenia nephrosperma</i>																								
<i>Leptopus decaisnei</i> var. <i>orbicularis</i>																								
<i>Leptosema anomalum</i>																								
<i>Lipocarpha microcephala</i>																								
<i>Marsilea hirsuta</i>																								
<i>Melaleuca argentea</i>																								
<i>Melaleuca glomerata</i>																			1%					
<i>Melaleuca lasiandra</i>																					+			
<i>Melhania</i> sp. Cape Preston (M77-10)					nc																			
<i>Merremia davenportii</i>																								
* <i>Merremia dissecta</i>																								
<i>Mimulus gracilis</i>																								
<i>Mitrasacme connata</i>																								
<i>Mollugo molluginea</i>										+				+	+			+			+		+	+
<i>Muellerolimon salicorniaceum</i>		1%		5%		+			2%								nc							
<i>Mukia maderaspatana</i>																								
<i>Murdannia graminea</i>										+														
<i>Myoporum montanum</i>					+															+	+			
<i>Neobassia astrocarpa</i>							1%																	
<i>Neptunia monosperma</i>													+	+										
<i>Odenlandia galioides</i>																								
<i>Owenia reticulata</i>																								
<i>Panicum decompositum</i>																								
<i>Paraneurachne muelleri</i>																								
<i>Paspalidium rarum</i>																							+	
<i>Perotis rara</i>																								
<i>Phyllanthus exilis</i>																								
<i>Phyllanthus maderaspatensis</i>					+																			
<i>Pimelea ammocharis</i>																			+					
<i>Pluchea ferdinandi-muelleri</i>															+				1%	1.5%				
<i>Pluchea rubelliflora</i>										+														
<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)												+												
<i>Pluchea tetranthera</i>														15%	2%		3%	1%	+	+	+	+	+	+
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>																								
<i>Polygala linariifolia</i>																								
<i>Polymeria calycina</i>																			+					
<i>Polymeria</i> sp. (site 1365)																								
<i>Portulaca conspicua</i>																								
* <i>Portulaca oleracea</i>																								
<i>Portulaca pilosa</i>					+															+				
<i>Pterocaulon serrulatum</i>													+	+										+
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) PN															+								+	
<i>Pterocaulon sphacelatum</i>																								
<i>Pterocaulon sphaeranthoides</i>										+		+			+								+	
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>																		+	1%					
<i>Ptilotus axillaris</i>																			+					
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>																								
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>					+								+											
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>										+				+									+	
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>																								
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>										+					+	+	+	+				+		+
<i>Rhagodia eremaea</i>					1%																			

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT12	QT13	QT14	QT15	QT16	QT17	QT18	QT19	QT20	QT21	QT22	QT23	QT24	QT25	QT26	QT27	QT28	QT29	QT30	QT31	QT32	QT33	QT34	QT35	
<i>Rhynchosia minima</i> var. <i>australis</i>										+		+													
<i>Salsola tragus</i> subsp. <i>tragus</i>																									
<i>Santalum lanceolatum</i>																				+					
<i>Sarcostemma viminalis</i> subsp. <i>australe</i>																									
<i>Scaevola</i> aff. <i>browniana</i>																									
<i>Scaevola</i> aff. <i>cunninghamii</i>																									
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																									
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																									
<i>Scaevola spinescens</i>																									
<i>Scaevola spinescens</i> (broad form)																									
<i>Schizachyrium fragile</i>																									
<i>Schoenoplectus lateriflorus</i>																									
<i>Sclerolaena hostilis</i>																									
<i>Sclerolaena</i> sp.																									
<i>Senna artemisioides</i> aff. subsp. <i>oligophylla</i> (thinly)																									
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																									
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>																									
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																									
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>																									
<i>Senna notabilis</i>																									
<i>Senna symonii</i>																									
<i>Senna venusta</i>																									
<i>Sesbania cannabina</i>																									
<i>Sesuvium portulacastrum</i>																									
* <i>Setaria verticillata</i>																									
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)																									
<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)																									
<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)																									
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)																									
<i>Sida arenicola</i>																									
<i>Sida billbarkeri</i>																									
<i>Sida clementii</i>																									
<i>Sida pilbarensis</i> (ferruginous form)																									
<i>Sida rohlenae</i>																									
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>																									
<i>Solanum cleistogamum</i>																									
<i>Solanum cunninghamii</i>																									
<i>Solanum diversiflorum</i>																									
<i>Solanum lasiophyllum</i>																									
<i>Solanum phlomoides</i>																									
<i>Sorghum plumosum</i>																									
<i>Spinifex longifolius</i>																									
<i>Sporobolus actinocladus</i>																									
<i>Sporobolus australasicus</i>																									
<i>Sporobolus virginicus</i>																									
<i>Stackhousia intermedia</i>																									
<i>Stemodia grossa</i>																									
<i>Stemodia lathraia</i>																									
<i>Streptoglossa decurrens</i>																									
<i>Streptoglossa odora</i>																									
* <i>Stylosanthes hamata</i>																									
<i>Suaeda arbusculoides</i>	+																								
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																									
<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)																									
<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)																									
<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)																									
<i>Tephrosia leptoclada</i>																									
<i>Tephrosia simplicifolia</i>																									
<i>Tephrosia</i> sp.																									
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)																									
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)																									

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Matrix of Species Found Within Each Site - Winter Survey

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<i>Tephrosia</i> sp. Finicane Island																								
<i>Tephrosia supina</i>																								
<i>Themeda triandra</i>																								
<i>Threlkeldia diffusa</i>																								
<i>Tinospora smilacina</i>																								
<i>Trianthes oxycalyptra</i> var. <i>oxycalyptra</i>																								
<i>Trianthes pilosa</i>																			+					
<i>Trianthes triquetra</i>																								
<i>Trianthes triquetra</i> var. <i>triquetra</i>																								
<i>Trianthes turgidifolia</i>					+		+			+		+	+											
<i>Tribulopsis angustifolia</i>																								
<i>Tribulus occidentalis</i>																								
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																								
<i>Tricoryne corynothecoides</i>										+									1%					
<i>Triodia epactia</i>					+		+			30%		65%	70%	20%	40%	10%	25%	30%	40%	60%	25%	5%	5%	40%
<i>Triodia lanigera</i>																								
<i>Triodia longiceps</i>																								
<i>Triodia schinzii</i>														1%	3%	12%	20%	30%			50%	30%	45%	
<i>Triodia secunda</i>					5%		60%			25%		10%	10%	60%	5%	50%		1%		20%;	2%	10%	2%	30%
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)																								
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																			+	+				
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																								
<i>Vigna lanceolata</i> var. <i>latifolia</i>																								
<i>Wahlenbergia tumidifruca</i>																								
<i>Waltheria indica</i>																			+					
<i>Whiteochloa airoides</i>										15%			+							5%		+		
<i>Yakirra australiensis</i> var. <i>australiensis</i>																								
<i>Zornia chaetophora</i>																								
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																			+					

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT36	QT37	QT38	QT39	QT40	QT41	QT42	QT43	QT44	QT45	QT46	QT47	QT48	QT49	QT50	QT51	QT52	QT53	QT54	QT55	QT56	QT57	QT58	QT59
<i>Abutilon</i> aff. <i>dioicum</i> (HD195)																								
<i>Abutilon lepidum</i>																								
<i>Abutilon otocarpum</i>																								
<i>Abutilon</i> sp.																								
<i>Abutilon</i> sp. (HD164)																								
<i>Acacia ampliceps</i>																						+		
<i>Acacia ancistrocarpa</i>																								
<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>																								
<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>																								
<i>Acacia ancistrocarpa</i> x <i>tumida</i>																								
<i>Acacia bivenosa</i>				6%																				
<i>Acacia coleii</i> var. <i>coleii</i>	1%	+	+(1%)	10%		1%		+	3%	+				+(1%)	+(3%)		11%	+	nc	+		1%	1%	3%
<i>Acacia inaequilatera</i>																								
<i>Acacia maitlandii</i>																								
<i>Acacia pyrifolia</i>																								
<i>Acacia sabulosa</i>																								
<i>Acacia sericophylla</i>																		+	1%					
<i>Acacia stellaticeps</i>	2%	3%	3%	+		1-2%		30%	3%	25%			+(20%)	+	+(2%)	3%	8%	5%	15%	25%	1%	8%	+	4%
<i>Acacia synchronicia</i>																								
<i>Acacia trachycarpa</i>																								
<i>Acacia trudgeniana</i>																								
<i>Acacia tumida</i> var. <i>pilbarensis</i>																		15%	nc	1%				
<i>Achyranthes aspera</i>																								+
<i>Adriana urticoides</i>																								
<i>Adriana urticoides</i> var. <i>urticoides</i>				+																				
* <i>Aerva javanica</i>				+																				
<i>Aeschynomene indica</i>																								
<i>Alternanthera</i> aff. <i>angustifolia</i>																							+	
<i>Alternanthera angustifolia</i>																								
<i>Alternanthera nana</i>																								
<i>Alysicarpus muelleri</i>																								
<i>Amaranthus mitchellii</i>																								
<i>Amaranthus pallidiflorus</i>																								
<i>Amaranthus</i> sp.																								
<i>Ammannia baccifera</i>																								
<i>Aristida holathera</i>																								
<i>Aristida holathera</i> var. <i>latifolia</i>	+	3%		+		nc		+	+	5%						1%	1%	+			10%	+	+	
<i>Aristida inaequiglumis</i>																								
<i>Aristida ingrata</i>																								
<i>Atalaya hemiglauca</i>																								
<i>Avicennia marina</i>					40%						60%													
<i>Bergia henshallii</i>																							1%	+
<i>Bergia trimera</i>																								
<i>Boerhavia coccinea</i>				+																				
<i>Bonamia linearis</i>		+														+						+		+
<i>Bonamia media</i> var. <i>media</i>																	+	+	+					
<i>Bonamia pannosa</i>																								
<i>Bonamia rosea</i>																			+					
<i>Bulbostylis barbata</i>																						(+)		(+)
<i>Byblis liniflora</i>																								
<i>Cajanus cinereus</i>																								
<i>Cajanus marmoratus</i>															+									
<i>Calandrinia quadrivalvis</i>																								
<i>Calandrinia</i> sp.																								
<i>Carissa lanceolata</i>																								2%
<i>Cassytha capillaris</i>	+	+	+	+		+			+	+				+	+	+	+				(+)	+	+	
* <i>Cenchrus ciliaris</i>				1%		nc		1%		1%				1%				1-5%	+		+		+	+
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																								
<i>Ceriops tagal</i>																								
<i>Chloris pumilio</i>																								
<i>Chrysopogon fallax</i>	5%	1%		+		nc			4%	3%				1%					+	1%	1%		1%	+

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT36	QT37	QT38	QT39	QT40	QT41	QT42	QT43	QT44	QT45	QT46	QT47	QT48	QT49	QT50	QT51	QT52	QT53	QT54	QT55	QT56	QT57	QT58	QT59		
* <i>Citrullus colocynthis</i>																										
<i>Cleome uncifera</i> subsp. <i>uncifera</i>																		+								
<i>Cleome viscosa</i>				+													+									
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>																										
<i>Commelina ensifolia</i>	+	1%	1%	+		+		+	+						+											
<i>Corchorus</i> aff. <i>incanus</i>				5%									+		+	+		+	+	2%	+	3%	+	1%		
<i>Corchorus elachocarpus</i>																										
<i>Corchorus incanus</i> subsp. <i>incanus</i>																										
<i>Corymbia flavescens</i>																										
<i>Corymbia hamersleyana</i>																										
<i>Corymbia</i> sp.																										
<i>Corymbia zygophylla</i>																										
<i>Crotalaria cunninghamii</i>																										
<i>Crotalaria medicaginea</i>		+																								
<i>Crotalaria ramosissima</i>																						+				
* <i>Cucumis melo</i> subsp. <i>agrestis</i>																										
<i>Cullen cinereum</i>																										
<i>Cullen graveolens</i>																										
<i>Cullen lachnostachys</i>																										
<i>Cullen stipulaceum</i>																										
<i>Cynanchum</i> sp. (MET 15,151)																										
<i>Cyperus blakeanus</i>								1%	2%	+									+		+	+	+	+		
<i>Cyperus concinnus</i>																										
<i>Cyperus iria</i>																										
<i>Cyperus ixiocarpus</i>																										
<i>Cyperus pulchellus</i>																										
<i>Cyperus squarrosus</i>																										
<i>Dactyloctenium radulans</i>																								+		
<i>Dentella minutissima</i>																										
<i>Desmodium filiforme</i>																										
<i>Desmodium muelleri</i>																								+		
<i>Digitaria brownii</i>																										
* <i>Digitaria ciliaris</i>																										
<i>Diplachne fusca</i> subsp. <i>fusca</i>																										
<i>Dodonaea coriacea</i>																										
<i>Dolichandrone heterophylla</i>																										
<i>Drosera indica</i>																										
<i>Dysphania plantaginella</i>																										
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																										
<i>Ehretia saligna</i>																										
<i>Ehretia saligna</i> var. <i>saligna</i>																										
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>				+																						
<i>Enneapogon polyphyllus</i>																										
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)				+																						
<i>Eragrostis cumingii</i>																										
<i>Eragrostis dielsii</i>																										
<i>Eragrostis elongata</i>																										
<i>Eragrostis falcata</i>				(2%)				1%																		
<i>Eragrostis</i> sp.																										
<i>Eragrostis speciosa</i>																										
<i>Eragrostis tenellula</i>																										
<i>Eragrostis xerophila</i>																										
<i>Eriachne aristidea</i>																										
<i>Eriachne benthamii</i>																										
<i>Eriachne helmsii</i>																										
<i>Eriachne mucronata</i> (typical form)																										
<i>Eriachne obtusa</i>	1%	6%	1%	+			1-2%	+	1%	1%					1%	2%	1%	3%		1%	+	+	10%	2%	+	1%
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																										
<i>Eriachne</i> sp.																										
<i>Eriachne</i> sp. Port Hedland																										
<i>Eriachne sulcata</i>																										

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT36	QT37	QT38	QT39	QT40	QT41	QT42	QT43	QT44	QT45	QT46	QT47	QT48	QT49	QT50	QT51	QT52	QT53	QT54	QT55	QT56	QT57	QT58	QT59	
<i>Eucalyptus victrix</i>			+ (1%)																		+		6%		
<i>Eulalia aurea</i>	1%			+		2%			15%						+						+	+			20%
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)	+																				+	+	+		
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)																									
<i>Euphorbia australis</i>																						+			
<i>Euphorbia australis</i> (mid-green form)																									
<i>Euphorbia coghlanii</i>				+										+											
<i>Euphorbia</i> sp.		+																							
<i>Euphorbia</i> sp. (B170-4)																									
<i>Euphorbia</i> sp. (FMR70-12)																									
<i>Euphorbia</i> sp. (site 1089)																									
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																									
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)	+			+		+			+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		+				+																			
<i>Ficus brachypoda</i>																									
<i>Fimbristylis dichotoma</i>	+			(+)		+			+					(+)											+
<i>Fimbristylis microcarya</i>																									
<i>Fimbristylis oxystachya</i>																						+			
<i>Fimbristylis rara</i>																									+
<i>Fimbristylis simulans</i>																									
<i>Fimbristylis</i> sp.																							+		
<i>Frankenia pauciflora</i>																									
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																									
<i>Glycine canescens</i>															+										
<i>Glycine tomentella</i>															+						+				
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>																									
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																									
<i>Gomphrena cunninghamii</i>																									
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>																									
<i>Goodenia forrestii</i>																									
<i>Goodenia lamprosperma</i>																								1%	
<i>Goodenia microptera</i>														+											
<i>Goodenia nuda</i>																									
<i>Goodenia stobbsiana</i>																									
<i>Gossypium australe</i> (Burrup Peninsula form)																									
<i>Grevillea pyramidalis</i>																									
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>																									
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>																									
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																									
<i>Gymnanthera cunninghamii</i>																									
<i>Hakea lorea</i> subsp. <i>lorea</i>				1%										+	(2%)					+		1%			+
<i>Halosarcia auriculata</i>										2%															
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>										3%															
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>					5%					1%				1%											
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>														+	5%										
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																									
<i>Heliotropium chrysocarpum</i>																									
<i>Heliotropium cunninghamii</i>																									
<i>Heliotropium foliatum</i>		+																							
<i>Heliotropium muticum</i>																									
<i>Heliotropium</i> sp.																									
<i>Hemichroa diandra</i>											+														
<i>Hibiscus austrinus</i> var. <i>austrinus</i>																									
<i>Hibiscus brachychlaenus</i>																									
<i>Hibiscus leptocladus</i>																								nc	
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																									
<i>Hybanthus aurantiacus</i>	+	2%		+		+			+	+	nc				+	1%	+	+	+	+	+	+	+	+	
<i>Indigofera colutea</i>																									
<i>Indigofera hirsuta</i>																									
<i>Indigofera linifolia</i>				+																					
<i>Indigofera linnaei</i>				+																					

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT36	QT37	QT38	QT39	QT40	QT41	QT42	QT43	QT44	QT45	QT46	QT47	QT48	QT49	QT50	QT51	QT52	QT53	QT54	QT55	QT56	QT57	QT58	QT59
<i>Indigofera monophylla</i>																			+					
<i>Indigofera monophylla</i> (small calyx form)																								
<i>Indigofera trita</i>				+								+			+									
<i>Ipomoea coptica</i>																								
<i>Ipomoea costata</i>																								
<i>Ipomoea muelleri</i>												1%					+			+		+		+
<i>Ipomoea polymorpha</i>																							+	
<i>Isotropis atropurpurea</i>																								
<i>Kennedia prorepens</i>																								
<i>Keraudrenia nephrosperma</i>																								
<i>Leptopus decaisnei</i> var. <i>orbicularis</i>																								
<i>Leptosema anomalum</i>																						+		
<i>Lipocarpa microcephala</i>																								
<i>Marsilea hirsuta</i>									+														2%	+
<i>Melaleuca argentea</i>																								
<i>Melaleuca glomerata</i>																								
<i>Melaleuca lasiandra</i>																								
<i>Melhania</i> sp. Cape Preston (M77-10)																								
<i>Merremia davenportii</i>																				+				
* <i>Merremia dissecta</i>																								
<i>Mimulus gracilis</i>									+															
<i>Mitrasacme connata</i>																								
<i>Mollugo molluginea</i>	+	1%						+																
<i>Muellerolimon salicorniaceum</i>															2%									
<i>Mukia maderaspatana</i>																								
<i>Murdannia graminea</i>																								
<i>Myoporum montanum</i>																								
<i>Neobassia astrocarpa</i>																								
<i>Neptunia monosperma</i>																								
<i>Odenlandia galioides</i>																								
<i>Owenia reticulata</i>																								
<i>Panicum decompositum</i>																								
<i>Paraneurachne muelleri</i>																								
<i>Paspalidium rarum</i>																								
<i>Perotis rara</i>																								
<i>Phyllanthus exilis</i>																								
<i>Phyllanthus maderaspatensis</i>																								
<i>Pimelea ammocharis</i>																								
<i>Pluchea ferdinandi-muelleri</i>																								
<i>Pluchea rubelliflora</i>																								
<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)																								
<i>Pluchea tetranthera</i>	+	+	+	+		+		+	+	+														
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>																								
<i>Polygala linariifolia</i>																								
<i>Polymeria calycina</i>																								
<i>Polymeria</i> sp. (site 1365)																								
<i>Portulaca conspicua</i>																								
* <i>Portulaca oleracea</i>																								
<i>Portulaca pilosa</i>																								
<i>Pterocaulon serrulatum</i>																								
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) PN																								
<i>Pterocaulon sphacelatum</i>																								
<i>Pterocaulon sphaeranthoides</i>																								
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>																								
<i>Ptilotus axillaris</i>																								
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>																								
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>																								
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>																								
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>																								
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>																								
<i>Rhagodia eremaea</i>																								

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<i>Rhynchosia minima</i> var. <i>australis</i>															+			+						
<i>Salsola tragus</i> subsp. <i>tragus</i>																								
<i>Santalum lanceolatum</i>																								
<i>Sarcostemma viminale</i> subsp. <i>australe</i>				+																				
<i>Scaevola</i> aff. <i>browniana</i>																								
<i>Scaevola</i> aff. <i>cunninghamii</i>																								
<i>Scaevola amblyanthera</i> var. <i>centralis</i>				1%																				
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																								
<i>Scaevola spinescens</i>																								
<i>Scaevola spinescens</i> (broad form)																								
<i>Schizachyrium fragile</i>																								
<i>Schoenoplectus lateriflorus</i>																								
<i>Sclerolaena hostilis</i>															+									
<i>Sclerolaena</i> sp.			+																					
<i>Senna artemisioides</i> aff. subsp. <i>oligophylla</i> (thinly)																								
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																								
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>																								
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																								
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>																								
<i>Senna notabilis</i>				+														+				+	+	
<i>Senna symonii</i>																								
<i>Senna venusta</i>																								
<i>Sesbania cannabina</i>																								
<i>Sesuvium portulacastrum</i>																								
* <i>Setaria verticillata</i>																								
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)																								
<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)	+			+						+			+		+									
<i>Sida arenicola</i>																								
<i>Sida billbarkeri</i>				+						+								+						
<i>Sida clementii</i>																								
<i>Sida pilbarensis</i> (ferruginous form)				+																				
<i>Sida rohlenae</i>																								
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	+							+														+	+	+
<i>Solanum cleistogamum</i>		+	+	+				+																
<i>Solanum cunninghamii</i>																								
<i>Solanum diversiflorum</i>				+																			+	
<i>Solanum lasiophyllum</i>																								
<i>Solanum phlomoides</i>				+																				
<i>Sorghum plumosum</i>																								
<i>Spinifex longifolius</i>																								
<i>Sporobolus actinocladus</i>																								
<i>Sporobolus australasicus</i>																								
<i>Sporobolus virginicus</i>																								
<i>Stackhousia intermedia</i>																								
<i>Stemodia grossa</i>																							+	
<i>Stemodia lathraia</i>																							+	+
<i>Streptoglossa decurrens</i>				+																				
<i>Streptoglossa odora</i>																								
* <i>Stylosanthes hamata</i>																								
<i>Suaeda arbusculoides</i>					1%						1%													
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																								
<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)																							+	
<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)																								
<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)																								
<i>Tephrosia leptoclada</i>	+																						+	
<i>Tephrosia simplicifolia</i>																							+	
<i>Tephrosia</i> sp.																								
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)																								
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)																								

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<i>Tephrosia</i> sp. Finicane Island																			nc						
<i>Tephrosia supina</i>	+																								
<i>Themeda triandra</i>																									
<i>Threlkeldia diffusa</i>																									
<i>Tinospora smilacina</i>																									
<i>Trianthes oxycalyptra</i> var. <i>oxycalyptra</i>																									
<i>Trianthes pilosa</i>																									
<i>Trianthes triquetra</i>																									
<i>Trianthes triquetra</i> var. <i>triquetra</i>																									
<i>Trianthes turgidifolia</i>				+		+								5%							+		+		
<i>Tribulopsis angustifolia</i>																									
<i>Tribulus occidentalis</i>																								nc	
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																									
<i>Tricoryne corynothecoides</i>																									
<i>Triodia epactia</i>	5%	35%		75%		60%		13%	50%	40%				+ (20%)	15%	5%	1%	60%	30%	3%	30%	30%	1%	6%	60%
<i>Triodia lanigera</i>																									
<i>Triodia longiceps</i>																									
<i>Triodia schinzii</i>										2%							5%	35%	11%						
<i>Triodia secunda</i>	80%	8%	50%	5%		30%		3%	4%			+		10%	1%	5%	1%				1%		35%		
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)																		+	+						
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																									
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																									
<i>Vigna lanceolata</i> var. <i>latifolia</i>																									
<i>Wahlenbergia tumidifruca</i>																									
<i>Waltheria indica</i>																		+			+	+		+	+
<i>Whiteochloa airoides</i>																									
<i>Yakirra australiensis</i> var. <i>australiensis</i>																						+		+	+
<i>Zornia chaetophora</i>																		+			+				
<i>Zornia muelleriana</i> subsp. <i>congesta</i>								+	+																

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT60	QT61	QT62	QT63	QT64	QT65	QT66	QT67	QT68	QT69	QT70	QT71	QT72	QT73	QT74	QT75	QT76	QT77	QT78	QT79	QT80	QT81	QT82	QT83		
<i>Abutilon</i> aff. <i>dioicum</i> (HD195)																										
<i>Abutilon lepidum</i>						+																				
<i>Abutilon otocarpum</i>										+						+										
<i>Abutilon</i> sp.																										
<i>Abutilon</i> sp. (HD164)																										
<i>Acacia ampliceps</i>															5%	5%	+						+			
<i>Acacia ancistrocarpa</i>																										
<i>Acacia ancistrocarpa x stellaticeps</i>																										
<i>Acacia ancistrocarpa x trachycarpa</i>																										
<i>Acacia ancistrocarpa x tumida</i>																										
<i>Acacia bivenosa</i>																										
<i>Acacia coleii</i> var. <i>coleii</i>	+		+	3.5%		+	1%	2%		35%	20%	+		+	+		+		+	10%	40%	1%				
<i>Acacia inaequilatera</i>										1%																
<i>Acacia maitlandii</i>																										
<i>Acacia pyrifolia</i>																										
<i>Acacia sabulosa</i>																										
<i>Acacia sericophylla</i>					+	+	+	+		1%																
<i>Acacia stellaticeps</i>	1% (2%)		20%	60%	5%	1%	40%	15%	+		+	+	35%	2%		5%	4%	5%	5%		1%	90%	1%	1%	2%	+
<i>Acacia synchronica</i>																										
<i>Acacia trachycarpa</i>															3%	5%								+		
<i>Acacia trudgeniana</i>																										
<i>Acacia tumida</i> var. <i>pilbarensis</i>			+		50%			2%																1%		
<i>Achyranthes aspera</i>											+															
<i>Adriana urticoides</i>																								1%		
<i>Adriana urticoides</i> var. <i>urticoides</i>															1%											
* <i>Aerva javanica</i>					+							+				+										
<i>Aeschynomene indica</i>																										
<i>Alternanthera</i> aff. <i>angustifolia</i>																										
<i>Alternanthera angustifolia</i>																										
<i>Alternanthera nana</i>																										
<i>Alysicarpus muelleri</i>																										
<i>Amaranthus mitchellii</i>																										
<i>Amaranthus pallidiflorus</i>																										
<i>Amaranthus</i> sp.																										
<i>Ammannia baccifera</i>																										
<i>Aristida holathera</i>																										
<i>Aristida holathera</i> var. <i>latifolia</i>		3%			+									10%	1%	+	1%	+	1%			+		1%		
<i>Aristida inaequiglumis</i>																										
<i>Aristida ingrata</i>								+																		
<i>Atalaya hemiglauca</i>																										
<i>Avicennia marina</i>																										
<i>Bergia henschallii</i>																										
<i>Bergia trimera</i>																										
<i>Boerhavia coccinea</i>																										
<i>Bonamia linearis</i>																										
<i>Bonamia media</i> var. <i>media</i>		+				+																		+		
<i>Bonamia pannosa</i>																										
<i>Bonamia rosea</i>			+	1%										2%	+											
<i>Bulbostylis barbata</i>						+																			(+)	
<i>Byblis liniflora</i>																										
<i>Cajanus cinereus</i>																										
<i>Cajanus marmoratus</i>																										
<i>Calandrinia quadrivalvis</i>																									+	
<i>Calandrinia</i> sp.																									+	
<i>Carissa lanceolata</i>		3%		+		+	3%	+		2%	1%		+						+			5%	+			
<i>Cassipoupa capillaris</i>	(+)	(+)				+	+	+				+							+					+	(+)	
* <i>Cenchrus ciliaris</i>		1%		3%	10%					2%					2%	30%						2%				
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																										
<i>Cerriops tagal</i>																										
<i>Chloris pumilio</i>																										
<i>Chrysopogon fallax</i>	1%		+	+	+		1%			1%	+		1%	+				+	+	+				+		

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 # denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT60	QT61	QT62	QT63	QT64	QT65	QT66	QT67	QT68	QT69	QT70	QT71	QT72	QT73	QT74	QT75	QT76	QT77	QT78	QT79	QT80	QT81	QT82	QT83
* <i>Citrullus colocynthis</i>																								
<i>Cleome uncifera</i> subsp. <i>uncifera</i>																								+
<i>Cleome viscosa</i>																								
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>																								
<i>Commelina ensifolia</i>		+																						+
<i>Corchorus</i> aff. <i>incanus</i>		+	1%	+	+	+	+	+		1%	+	+	+	+	+	4%	+	+		+	+	+		
<i>Corchorus elachocarpus</i>																								
<i>Corchorus incanus</i> subsp. <i>incanus</i>																								
<i>Corymbia flavescens</i>				4%		+	2%	2%		10%	5%										10%	20%		
<i>Corymbia hamersleyana</i>			1-2%																					
<i>Corymbia</i> sp.																								
<i>Corymbia zygophylla</i>																								
<i>Crotalaria cunninghamii</i>															+									1%
<i>Crotalaria medicaginea</i>																								
<i>Crotalaria ramosissima</i>						+										+								
* <i>Cucumis melo</i> subsp. <i>agrestis</i>																								
<i>Cullen cinereum</i>																								
<i>Cullen graveolens</i>																								
<i>Cullen lachnostachys</i>																								
<i>Cullen stipulaceum</i>													+											
<i>Cynanchum</i> sp. (MET 15,151)																								+
<i>Cyperus blakeanus</i>	+	1%			+	+	+	+			+		+				+	+			1%	1%		
<i>Cyperus concinnus</i>																								
<i>Cyperus iria</i>																								
<i>Cyperus ixiocarpus</i>																								
<i>Cyperus pulchellus</i>													(+)											
<i>Cyperus squarrosus</i>																								
<i>Dactyloctenium radulans</i>																	+							+
<i>Dentella minutissima</i>																								
<i>Desmodium filiforme</i>		+																						
<i>Desmodium muelleri</i>																								
<i>Digitaria brownii</i>						+																		
* <i>Digitaria ciliaris</i>																								
<i>Diplachne fusca</i> subsp. <i>fusca</i>																								
<i>Dodonaea coriacea</i>																								
<i>Dolichandrone heterophylla</i>						1%																		
<i>Drosera indica</i>																								
<i>Dysphania plantaginella</i>																								
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																								+
<i>Ehretia saligna</i>																								+
<i>Ehretia saligna</i> var. <i>saligna</i>																								
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>																								
<i>Enneapogon polyphyllus</i>																								
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)		+	+	+	+						+	+	+	1%		2%					1%		1%	
<i>Eragrostis cumingii</i>																								
<i>Eragrostis dielsii</i>																								
<i>Eragrostis elongata</i>																								
<i>Eragrostis falcata</i>																								
<i>Eragrostis</i> sp.																								
<i>Eragrostis speciosa</i>																								nc
<i>Eragrostis tenellula</i>																								
<i>Eragrostis xerophila</i>																								
<i>Eriachne aristidea</i>																								
<i>Eriachne benthamii</i>																								
<i>Eriachne helmsii</i>																								
<i>Eriachne mucronata</i> (typical form)																								
<i>Eriachne obtusa</i>	1%	10%	+	+	+		+		+	1%	+		10%	+	2%	+	2%	+	+	1%	10%	+	+	+
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																								
<i>Eriachne</i> sp.																								
<i>Eriachne</i> sp. Port Hedland																								
<i>Eriachne sulcata</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT60	QT61	QT62	QT63	QT64	QT65	QT66	QT67	QT68	QT69	QT70	QT71	QT72	QT73	QT74	QT75	QT76	QT77	QT78	QT79	QT80	QT81	QT82	QT83
<i>Eucalyptus victrix</i>						+	+	5%			15%				+	27%	+	+	+			2%		+
<i>Eulalia aurea</i>						1%																		
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)		+																		+				
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)																								
<i>Euphorbia australis</i>		+																				+		
<i>Euphorbia australis</i> (mid-green form)																								
<i>Euphorbia coghlanii</i>																								
<i>Euphorbia</i> sp.																								
<i>Euphorbia</i> sp. (B170-4)																								
<i>Euphorbia</i> sp. (FMR70-12)																								
<i>Euphorbia</i> sp. (site 1089)																								
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																								
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)		+	+	+	+	+	+			+		+	+		+	+	+	+		+	+	+		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>						+	+				+							+						
<i>Ficus brachypoda</i>																								
<i>Fimbristylis dichotoma</i>	(+)								(+)	+	2%												(+)	(+)
<i>Fimbristylis microcarya</i>																								
<i>Fimbristylis oxystachya</i>		1%																						
<i>Fimbristylis rara</i>																								
<i>Fimbristylis simulans</i>																								
<i>Fimbristylis</i> sp.	+								+		2%													
<i>Frankenia pauciflora</i>																								
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																								
<i>Glycine canescens</i>																								
<i>Glycine tomentella</i>																								
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>																								
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																								
<i>Gomphrena cunninghamii</i>																	+							
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>																								
<i>Goodenia forrestii</i>																								
<i>Goodenia lamprosperma</i>																								
<i>Goodenia microptera</i>																								
<i>Goodenia nuda</i>		+																						
<i>Goodenia stobbsiana</i>																								
<i>Gossypium australe</i> (Burrup Peninsula form)																								
<i>Grevillea pyramidalis</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>										+														
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																								
<i>Gymnanthera cunninghamii</i>																								
<i>Hakea lorea</i> subsp. <i>lorea</i>	+	+		+			+	+					+	1%		1%				+			+	
<i>Halosarcia auriculata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																								
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																								
<i>Heliotropium chrysocarpum</i>																								
<i>Heliotropium cunninghamii</i>																								
<i>Heliotropium foliatum</i>																								
<i>Heliotropium muticum</i>																								
<i>Heliotropium</i> sp.																								+
<i>Hemichroa diandra</i>																								
<i>Hibiscus austrinus</i> var. <i>austrinus</i>																								
<i>Hibiscus brachychlaenus</i>																								
<i>Hibiscus leptocladus</i>																								
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																								
<i>Hybanthus aurantiacus</i>	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+		+	+	+		
<i>Indigofera colutea</i>																								
<i>Indigofera hirsuta</i>																								
<i>Indigofera linifolia</i>						+											+							
<i>Indigofera linnaei</i>																								

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Matrix of Species Found Within Each Site - Winter Survey

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<i>Indigofera monophylla</i>			3%		+	+		+		+				+		+								
<i>Indigofera monophylla</i> (small calyx form)																								
<i>Indigofera trita</i>																								
<i>Ipomoea coptica</i>																								
<i>Ipomoea costata</i>																								
<i>Ipomoea muelleri</i>					+										+									
<i>Ipomoea polymorpha</i>																								
<i>Isotropis atropurpurea</i>																								
<i>Kennedia prorepens</i>																								
<i>Keraudrenia nephrosperma</i>																								
<i>Leptopus decaisnei</i> var. <i>orbicularis</i>																								
<i>Leptosema anomalum</i>																								
<i>Lipocarpa microcephala</i>																								
<i>Marsilea hirsuta</i>						-					(+)	+	(1%)											
<i>Melaleuca argentea</i>																12%						5%		
<i>Melaleuca glomerata</i>																								
<i>Melaleuca lasiandra</i>													+							4%				
<i>Melhania</i> sp. Cape Preston (M77-10)																								
<i>Merremia davenportii</i>																							+	
* <i>Merremia dissecta</i>																								
<i>Mimulus gracilis</i>																								
<i>Mitrasacme connata</i>																								
<i>Mollugo molluginea</i>		+			+									+				+		+		+		
<i>Muellerolimon salicorniaceum</i>																								
<i>Mukia maderaspatana</i>																							+	
<i>Murdannia graminea</i>																								
<i>Myoporum montanum</i>																								
<i>Neobassia astrocarpa</i>																								
<i>Neptunia monosperma</i>																								
<i>Odenlandia galioides</i>																								
<i>Owenia reticulata</i>																								
<i>Panicum decompositum</i>																								
<i>Paraneurachne muelleri</i>						+																		
<i>Paspalidium rarum</i>						+																	+	
<i>Perotis rara</i>																								
<i>Phyllanthus exilis</i>																								
<i>Phyllanthus maderaspatensis</i>																+							+	
<i>Pimelea ammocharis</i>			+																					
<i>Pluchea ferdinandi-muelleri</i>																2%	1%							
<i>Pluchea rubelliflora</i>																+								
<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)																								
<i>Pluchea tetranthera</i>	+	+		+		+	+	+	+	+	+	+	+	+	+	+	+	1%	+	1%	+	+	+	+
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>																								
<i>Polygala linariifolia</i>																								
<i>Polymeria calycina</i>																+								
<i>Polymeria</i> sp. (site 1365)																								
<i>Portulaca conspicua</i>																								
* <i>Portulaca oleracea</i>																								
<i>Portulaca pilosa</i>																								
<i>Pterocaulon serrulatum</i>																								
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) PN																								
<i>Pterocaulon sphacelatum</i>																								+
<i>Pterocaulon sphaeranthoides</i>																								
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>								+								+								
<i>Ptilotus axillaris</i>																								
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>																								
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>																								
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>																				+				+
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>																								
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>														+	+									+
<i>Rhagodia eremaea</i>																								

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<i>Rhynchosia minima</i> var. <i>australis</i>						+		+		+	+													
<i>Salsola tragus</i> subsp. <i>tragus</i>																								
<i>Santalum lanceolatum</i>																								
<i>Sarcostemma viminalis</i> subsp. <i>australe</i>																								
<i>Scaevola</i> aff. <i>browniana</i>																								
<i>Scaevola</i> aff. <i>cunninghamii</i>																								
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																								
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																								
<i>Scaevola spinescens</i>																								
<i>Scaevola spinescens</i> (broad form)																								
<i>Schizachyrium fragile</i>																								
<i>Schoenoplectus lateriflorus</i>																								
<i>Sclerolaena hostilis</i>																								
<i>Sclerolaena</i> sp.																								
<i>Senna artemisioides</i> aff. subsp. <i>oligophylla</i> (thinly)																								
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>														+		+								
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>																								
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																								
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>																								
<i>Senna notabilis</i>		+			+					+		+												+
<i>Senna symonii</i>																								
<i>Senna venusta</i>																								
<i>Sesbania cannabina</i>																								
<i>Sesuvium portulacastrum</i>																								
* <i>Setaria verticillata</i>																								
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)																								
<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)																	+							
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)		+																						+
<i>Sida arenicola</i>																								
<i>Sida billbarkeri</i>													+	nc							+			
<i>Sida clementii</i>																								
<i>Sida pilbarensis</i> (ferruginous form)		+						+			+	+										+	+	
<i>Sida rohlenae</i>																								
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>					+	+					+	+			+		+						+	
<i>Solanum cleistogamum</i>		(+)			+								+	+	+	+	+	+			+	+		
<i>Solanum cunninghamii</i>																								
<i>Solanum diversiflorum</i>		+																						
<i>Solanum lasiophyllum</i>						+																		
<i>Solanum phlomoides</i>																								
<i>Sorghum plumosum</i>		5%																						
<i>Spinifex longifolius</i>																								
<i>Sporobolus actinocladus</i>																								
<i>Sporobolus australasicus</i>																								
<i>Sporobolus virginicus</i>																								
<i>Stackhousia intermedia</i>																								
<i>Stemodia grossa</i>																								
<i>Stemodia lathraia</i>											+													
<i>Streptoglossa decurrens</i>																								
<i>Streptoglossa odora</i>																								
* <i>Stylosanthes hamata</i>																								
<i>Suaeda arbusculoides</i>																								
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																								
<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)																								
<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)																								
<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)																								
<i>Tephrosia leptoclada</i>																								
<i>Tephrosia simplicifolia</i>																								
<i>Tephrosia</i> sp.																								
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)								+																+
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)																								

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT60	QT61	QT62	QT63	QT64	QT65	QT66	QT67	QT68	QT69	QT70	QT71	QT72	QT73	QT74	QT75	QT76	QT77	QT78	QT79	QT80	QT81	QT82	QT83
<i>Tephrosia</i> sp. Finicane Island																								
<i>Tephrosia supina</i>																								
<i>Themeda triandra</i>																								
<i>Threlkeldia diffusa</i>																								
<i>Tinospora smilacina</i>																							+	
<i>Trianthes oxycalyptra</i> var. <i>oxycalyptra</i>																								
<i>Trianthes pilosa</i>					+																			
<i>Trianthes triquetra</i>																								
<i>Trianthes triquetra</i> var. <i>triquetra</i>										+						+								
<i>Trianthes turgidifolia</i>																								
<i>Tribulopsis angustifolia</i>																								
<i>Tribulus occidentalis</i>																								
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																								
<i>Tricoryne corynothecoides</i>															+								+	
<i>Triodia epactia</i>	50%	10%	15%	30%	60%	60%	nc	60%	1%	50%	30%	55%	10%		20%	20%	60%	40%	40%	10%	15%	15%	60%	60%
<i>Triodia lanigera</i>				1%																				
<i>Triodia longiceps</i>						1%																		
<i>Triodia schinzii</i>			40%	30%			nc						50%	40%	+	4%	+	10%	15%	5%		2%		
<i>Triodia secunda</i>	3%	10%				5%	+	(1%)	10%			20%	4%		1%		10%	15%	5%				10%	
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)					+											+							+	
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																								
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																								
<i>Vigna lanceolata</i> var. <i>latifolia</i>																								
<i>Wahlenbergia tumidifruca</i>																							+	
<i>Waltheria indica</i>		+		+	+	+				+											1%	+		
<i>Whiteochloa airoides</i>																								
<i>Yakirra australiensis</i> var. <i>australiensis</i>		1%										+			+									
<i>Zornia chaetophora</i>																								
<i>Zornia muelleriana</i> subsp. <i>congesta</i>	+	+									+													

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT84	QT85	QT86	QT87	QT88	QT89	QT90	QT91	QT92	QT93	QT94	QT95	QT96	QT97	QT98	QT99	QT100	QT101	QT102	QT103	QT104	QT105	QT106	QT107	
<i>Abutilon</i> aff. <i>dioicum</i> (HD195)																									
<i>Abutilon lepidum</i>																									
<i>Abutilon otocarpum</i>																									
<i>Abutilon</i> sp.																									
<i>Abutilon</i> sp. (HD164)																									
<i>Acacia ampliceps</i>											3%														
<i>Acacia ancistrocarpa</i>												2%				1%	1%	1%				1%	4%	1%	
<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>													+					+					+	1%	
<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>																									
<i>Acacia ancistrocarpa</i> x <i>tumida</i>																									
<i>Acacia bivenosa</i>																								12%	5%
<i>Acacia coleii</i> var. <i>coleii</i>	+	22%	+	2%	1%	3%	+	5%	1%			+	+	+			1%				+	1%			
<i>Acacia inaequilatera</i>													+	+	+			1%				+	1%		
<i>Acacia maitlandii</i>																									
<i>Acacia pyrifolia</i>																									
<i>Acacia sabulosa</i>																		4%							
<i>Acacia sericophylla</i>		+			+		+					1%		+			1%	3%		+		+			
<i>Acacia stellaticeps</i>	+	20%	30%	1%	30%	65%	25%	20%	2%			40%	40%	15%	60%	50%	40%	30%	40%	35%	40%	35%	15%	4%	7%
<i>Acacia synchronicia</i>																									
<i>Acacia trachycarpa</i>																									
<i>Acacia trudgeniana</i>																									
<i>Acacia tumida</i> var. <i>pilbarensis</i>			2%		10%	15%		8%	10%	10%															
<i>Achyranthes aspera</i>			+																						
<i>Adriana urticoides</i>																									
<i>Adriana urticoides</i> var. <i>urticoides</i>																									
* <i>Aerva javanica</i>																									
<i>Aeschynomene indica</i>																									
<i>Alternanthera</i> aff. <i>angustifolia</i>																									
<i>Alternanthera angustifolia</i>																									
<i>Alternanthera nana</i>																									
<i>Alysicarpus muelleri</i>																									
<i>Amaranthus mitchellii</i>																									
<i>Amaranthus pallidiflorus</i>																									
<i>Amaranthus</i> sp.																									
<i>Ammannia baccifera</i>																									
<i>Aristida holathera</i>																									
<i>Aristida holathera</i> var. <i>latifolia</i>			+		+	+		1%	+	1%	1%								5%			+			
<i>Aristida inaequiglumis</i>																									
<i>Aristida ingrata</i>																									
<i>Atalaya hemiglauca</i>																									
<i>Avicennia marina</i>																									
<i>Bergia henshallii</i>																									
<i>Bergia trimera</i>																									
<i>Boerhavia coccinea</i>																									
<i>Bonamia linearis</i>																									
<i>Bonamia media</i> var. <i>media</i>																									
<i>Bonamia pannosa</i>																									
<i>Bonamia rosea</i>																									
<i>Bulbostylis barbata</i>																									
<i>Byblis liniflora</i>																									
<i>Cajanus cinereus</i>																									
<i>Cajanus marmoratus</i>																									
<i>Calandrinia quadrivalvis</i>																									
<i>Calandrinia</i> sp.																									
<i>Carissa lanceolata</i>																									
<i>Cassytha capillaris</i>																									
* <i>Cenchrus ciliaris</i>																									
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																									
<i>Ceriops tagal</i>																									
<i>Chloris pumilio</i>																									
<i>Chrysopogon fallax</i>																									

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 # denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT84	QT85	QT86	QT87	QT88	QT89	QT90	QT91	QT92	QT93	QT94	QT95	QT96	QT97	QT98	QT99	QT100	QT101	QT102	QT103	QT104	QT105	QT106	QT107
* <i>Citrullus colocynthis</i>																								
<i>Cleome uncifera</i> subsp. <i>uncifera</i>																								
<i>Cleome viscosa</i>				+					+															
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>																								
<i>Commelina ensifolia</i>				+																				
<i>Corchorus</i> aff. <i>incanus</i>		2%		+	+	+	3%	1%	+		+	+				+			1%	1%	+	+		
<i>Corchorus elachocarpus</i>																								
<i>Corchorus incanus</i> subsp. <i>incanus</i>																								
<i>Corymbia flavescens</i>		10%			+		+	1%							1-2%		+		+	nc				
<i>Corymbia hamersleyana</i>																							+	
<i>Corymbia</i> sp.																								
<i>Corymbia zygophylla</i>					2%						2%													
<i>Crotalaria cunninghamii</i>				+					+															
<i>Crotalaria medicaginea</i>																								
<i>Crotalaria ramosissima</i>				+																				
* <i>Cucumis melo</i> subsp. <i>agrestis</i>																								
<i>Cullen cinereum</i>																								
<i>Cullen graveolens</i>																								
<i>Cullen lachnostachys</i>																								
<i>Cullen stipulaceum</i>																								
<i>Cynanchum</i> sp. (MET 15,151)																								
<i>Cyperus blakeanus</i>				+					+														+	(+)
<i>Cyperus concinnus</i>																								
<i>Cyperus iria</i>																								
<i>Cyperus ixiocarpus</i>																								
<i>Cyperus pulchellus</i>																								
<i>Cyperus squarrosus</i>					2%																			
<i>Dactyloctenium radulans</i>																								
<i>Dentella minutissima</i>																								
<i>Desmodium filiforme</i>				+																				
<i>Desmodium muelleri</i>																								
<i>Digitaria brownii</i>																								
* <i>Digitaria ciliaris</i>				+																				
<i>Diplachne fusca</i> subsp. <i>fusca</i>																								
<i>Dodonaea coriacea</i>			+	1%					1%	+														
<i>Dolichandrone heterophylla</i>					+									+			1%	+				nc		
<i>Drosera indica</i>																								
<i>Dysphania plantaginella</i>																								
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																								
<i>Ehretia saligna</i>		+																						
<i>Ehretia saligna</i> var. <i>saligna</i>				1%																				
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>																								
<i>Enneapogon polyphyllus</i>																								
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)		+		+	nc			+							(+)				+		1% (+)			
<i>Eragrostis cumingii</i>				+				(1%)																
<i>Eragrostis dielsii</i>																								
<i>Eragrostis elongata</i>									+															
<i>Eragrostis falcata</i>																								
<i>Eragrostis</i> sp.																								
<i>Eragrostis speciosa</i>				1%					+							+	(1%)							
<i>Eragrostis tenellula</i>																								
<i>Eragrostis xerophila</i>																								
<i>Eriachne aristidea</i>																								
<i>Eriachne benthamii</i>																								
<i>Eriachne helmsii</i>						+	5%																	
<i>Eriachne mucronata</i> (typical form)																								
<i>Eriachne obtusa</i>		+	+	+	+	+	+	(+)	+	+							(+)		2%			+		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																								
<i>Eriachne</i> sp.																								
<i>Eriachne</i> sp. Port Hedland				+																				
<i>Eriachne sulcata</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT84	QT85	QT86	QT87	QT88	QT89	QT90	QT91	QT92	QT93	QT94	QT95	QT96	QT97	QT98	QT99	QT100	QT101	QT102	QT103	QT104	QT105	QT106	QT107
<i>Eucalyptus victrix</i>				8%					5%															
<i>Eulalia aurea</i>				3%																				
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)																								
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)																								
<i>Euphorbia australis</i>									+														+	
<i>Euphorbia australis</i> (mid-green form)																								
<i>Euphorbia coghlanii</i>									+															
<i>Euphorbia</i> sp.																								
<i>Euphorbia</i> sp. (B170-4)																								
<i>Euphorbia</i> sp. (FMR70-12)																								
<i>Euphorbia</i> sp. (site 1089)																								
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																								
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)								+				+												
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		+			+																			
<i>Ficus brachypoda</i>																								
<i>Fimbristylis dichotoma</i>	(+)			(+)																				
<i>Fimbristylis microcarya</i>																								
<i>Fimbristylis oxystachya</i>																								
<i>Fimbristylis rara</i>				1%					+															
<i>Fimbristylis simulans</i>																								
<i>Fimbristylis</i> sp.																								
<i>Frankenia pauciflora</i>																								
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																								
<i>Glycine canescens</i>																								
<i>Glycine tomentella</i>																								
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>				+																				
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																								
<i>Gomphrena cunninghamii</i>																								
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>																								
<i>Goodenia forrestii</i>																								
<i>Goodenia lamprosperma</i>				+					+															
<i>Goodenia microptera</i>																								
<i>Goodenia nuda</i>																								
<i>Goodenia stobbsiana</i>																								
<i>Gossypium australe</i> (Burrup Peninsula form)																								+
<i>Grevillea pyramidalis</i>																								
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>					+																			
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>		1%																						1%
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																								
<i>Gymnanthera cunninghamii</i>																								
<i>Hakea lorea</i> subsp. <i>lorea</i>								1%		+		+			1%			nc	+			+	+	+
<i>Halosarcia auriculata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>																								
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																								
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																								
<i>Heliotropium chrysocarpum</i>																								
<i>Heliotropium cunninghamii</i>																								
<i>Heliotropium foliatum</i>																								
<i>Heliotropium muticum</i>																								
<i>Heliotropium</i> sp.				+																				
<i>Hemichroa diandra</i>																								
<i>Hibiscus austrinus</i> var. <i>austrinus</i>																								
<i>Hibiscus brachychlaenus</i>																								
<i>Hibiscus leptocladus</i>																								
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																								
<i>Hybanthus aurantiacus</i>		+		+	+	+		+	+			+	+			+	+					+		
<i>Indigofera colutea</i>																								
<i>Indigofera hirsuta</i>																								
<i>Indigofera linifolia</i>																								
<i>Indigofera linnaei</i>																								

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Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT84	QT85	QT86	QT87	QT88	QT89	QT90	QT91	QT92	QT93	QT94	QT95	QT96	QT97	QT98	QT99	QT100	QT101	QT102	QT103	QT104	QT105	QT106	QT107
<i>Indigofera monophylla</i>		+				+	+				+	+		+		+	+	+	+	+	+	+	+	+
<i>Indigofera monophylla</i> (small calyx form)																								
<i>Indigofera trita</i>																								
<i>Ipomoea coptica</i>									+															
<i>Ipomoea costata</i>																								
<i>Ipomoea muelleri</i>				+					+															
<i>Ipomoea polymorpha</i>																								
<i>Isotropis atropurpurea</i>																								
<i>Kennedia prorepens</i>																								
<i>Keraudrenia nephrosperma</i>																								
<i>Leptopus decaisnei</i> var. <i>orbicularis</i>																								
<i>Leptosema anomalum</i>									+			+												
<i>Lipocarpa microcephala</i>					1%																			
<i>Marsilea hirsuta</i>				+																				
<i>Melaleuca argentea</i>				10%																				
<i>Melaleuca glomerata</i>																								
<i>Melaleuca lasiandra</i>																								
<i>Melhania</i> sp. Cape Preston (M77-10)																								
<i>Merremia davenportii</i>																								
* <i>Merremia dissecta</i>																								
<i>Mimulus gracilis</i>																								
<i>Mitrasacme connata</i>									+															
<i>Mollugo molluginea</i>		+					+																+	
<i>Muellerolimon salicorniaceum</i>																								
<i>Mukia maderaspatana</i>		+			+				+															
<i>Murdannia graminea</i>																								
<i>Myoporum montanum</i>																								
<i>Neobassia astrocarpa</i>																								
<i>Neptunia monosperma</i>																								
<i>Oldenlandia galioides</i>																								
<i>Owenia reticulata</i>																1%	1%						+	
<i>Panicum decompositum</i>																								
<i>Paraneurachne muelleri</i>					3%							(+)				(+)				+	+			
<i>Paspalidium rarum</i>		+		+								1%												
<i>Perotis rara</i>																								
<i>Phyllanthus exilis</i>					+				+															
<i>Phyllanthus maderaspatensis</i>					+				+															
<i>Pimelea ammocharis</i>																	1%	1%						
<i>Pluchea ferdinandi-muelleri</i>																								
<i>Pluchea rubelliflora</i>												+												
<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)																								
<i>Pluchea tetranthera</i>		+	+	+			+	+	+		+	+	1%		1%	+	+	+		+	+	+	+	+
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>																								
<i>Polygala linariifolia</i>																								
<i>Polymeria calycina</i>																								
<i>Polymeria</i> sp. (site 1365)																								
<i>Portulaca conspicua</i>																								
* <i>Portulaca oleracea</i>																								
<i>Portulaca pilosa</i>																								
<i>Pterocaulon serrulatum</i>																								
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) PN																								
<i>Pterocaulon sphacelatum</i>																								
<i>Pterocaulon sphaeranthoides</i>																								
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>					+	+					+	+	+	+		+	+	+						
<i>Ptilotus axillaris</i>																								
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>																								+
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>																								
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>					+																			
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>																								
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>																								
<i>Rhagodia eremaea</i>																								

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Species Name	QT84	QT85	QT86	QT87	QT88	QT89	QT90	QT91	QT92	QT93	QT94	QT95	QT96	QT97	QT98	QT99	QT100	QT101	QT102	QT103	QT104	QT105	QT106	QT107
<i>Rhynchosia minima</i> var. <i>australis</i>																								
<i>Salsola tragus</i> subsp. <i>tragus</i>																								
<i>Santalum lanceolatum</i>																								
<i>Sarcostemma viminalis</i> subsp. <i>australe</i>																								
<i>Scaevola</i> aff. <i>browniana</i>																								
<i>Scaevola</i> aff. <i>cunninghamii</i>																								
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																								
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																								
<i>Scaevola spinescens</i>																								
<i>Scaevola spinescens</i> (broad form)																								
<i>Schizachyrium fragile</i>				+																				
<i>Schoenoplectus lateriflorus</i>																								
<i>Sclerolaena hostilis</i>																								
<i>Sclerolaena</i> sp.																								
<i>Senna artemisioides</i> aff. subsp. <i>oligophylla</i> (thinly)																								
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																								
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>																								
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																								
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>																								
<i>Senna notabilis</i>		+		+			+		+													+		
<i>Senna symonii</i>																								
<i>Senna venusta</i>																								
<i>Sesbania cannabina</i>																								
<i>Sesuvium portulacastrum</i>																								
* <i>Setaria verticillata</i>																								
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)																								
<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)																								
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)																								
<i>Sida arenicola</i>																								
<i>Sida billbarkeri</i>																								
<i>Sida clementii</i>																								
<i>Sida pilbarensis</i> (ferruginous form)		+								+		+	+		+		+			+	nc		+	
<i>Sida rohlenae</i>																								
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>		+		+	+				+															
<i>Solanum cleistogamum</i>					+																+			
<i>Solanum cunninghamii</i>																								
<i>Solanum diversiflorum</i>																								
<i>Solanum lasiophyllum</i>																								
<i>Solanum phlomoides</i>																								
<i>Sorghum plumosum</i>																								
<i>Spinifex longifolius</i>																								
<i>Sporobolus actinocladius</i>																								
<i>Sporobolus australasicus</i>																								
<i>Sporobolus virginicus</i>																								
<i>Stackhousia intermedia</i>																								
<i>Stemodia grossa</i>																								
<i>Stemodia lathraia</i>																								
<i>Streptoglossa decurrens</i>																								
<i>Streptoglossa odora</i>																								
* <i>Stylosanthes hamata</i>																								
<i>Suaeda arbusculoides</i>											+													
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																								
<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)																								
<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)																								
<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)																								
<i>Tephrosia leptoclada</i>																								
<i>Tephrosia simplicifolia</i>																								
<i>Tephrosia</i> sp.																								
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)																								
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT84	QT85	QT86	QT87	QT88	QT89	QT90	QT91	QT92	QT93	QT94	QT95	QT96	QT97	QT98	QT99	QT100	QT101	QT102	QT103	QT104	QT105	QT106	QT107
<i>Tephrosia</i> sp. Finicane Island											+													
<i>Tephrosia supina</i>																								
<i>Themeda triandra</i>																								
<i>Threlkeldia diffusa</i>																								
<i>Tinospora smilacina</i>				+																		+		
<i>Trianthes oxycalyptra</i> var. <i>oxycalyptra</i>																								
<i>Trianthes pilosa</i>																								
<i>Trianthes triquetra</i>																								
<i>Trianthes triquetra</i> var. <i>triquetra</i>																								
<i>Trianthes turgidifolia</i>																								
<i>Tribulopsis angustifolia</i>																								
<i>Tribulus occidentalis</i>																								
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																								
<i>Tricoryne corynothecoides</i>																								
<i>Triodia epactia</i>	2%	40%	+	40%	45%	25%	40%	60%	30%	5%	5%	nc	45%	3% (2%)	5%	20%	25%	2%	50%	20%	35%	50%		
<i>Triodia lanigera</i>															5%	5%	15%	20%		1%	1% (4%)	3%	20%	25%
<i>Triodia longiceps</i>	+																							
<i>Triodia schinzii</i>			10%			3%		1%				2%											1%	+
<i>Triodia secunda</i>	60%		5%	+						40%	5%												2%	
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)				+	+	+			+		+							+						
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																								
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																								
<i>Vigna lanceolata</i> var. <i>latifolia</i>																								
<i>Wahlenbergia tumidifruca</i>																								
<i>Waltheria indica</i>		+		+	+				+										+					
<i>Whiteochloa airoides</i>																								
<i>Yakirra australiensis</i> var. <i>australiensis</i>		+	+	+					+															
<i>Zornia chaetophora</i>																								
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																								

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT108	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126	
<i>Abutilon</i> aff. <i>dioicum</i> (HD195)																				
<i>Abutilon lepidum</i>																				
<i>Abutilon otocarpum</i>													+							
<i>Abutilon</i> sp.																				
<i>Abutilon</i> sp. (HD164)																				
<i>Acacia ampliceps</i>								3%												
<i>Acacia ancistrocarpa</i>	8%	6%	20%	20%	1%	10%	10%		+	50%	10%		10%	15%	25%	3%	4%	10%	+	
<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>			1%		2%					+	+		+	+			+			
<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>																				
<i>Acacia ancistrocarpa</i> x <i>tumida</i>																				
<i>Acacia bivenosa</i>	5%	5%	1%		+															
<i>Acacia colei</i> var. <i>colei</i>					+	+		+		+			3%	+			2%		6%	
<i>Acacia inaequilatera</i>	+	1%	1%	3%	+	3%	5%		1%	1%	2%	2%	2%	2%	+	5%	3%	5%	5%	
<i>Acacia maitlandii</i>				+																
<i>Acacia pyrifolia</i>																				
<i>Acacia sabulosa</i>																			nc	
<i>Acacia sericophylla</i>										+	2%		1%	+	+	+	+	1%	+	
<i>Acacia stellaticeps</i>	+	3%	3%	3%	2%	3%			10%	2%	6%	20%	30%	10%	3%	10%	20%	5%	5%	
<i>Acacia synchronicia</i>																				
<i>Acacia trachycarpa</i>								2%												
<i>Acacia trudgeniana</i>																				
<i>Acacia tumida</i> var. <i>pilbarensis</i>	+		+						4%		1%	5%		4%	3%	1%	3%	3%	10%	3%
<i>Achyranthes aspera</i>															+					
<i>Adriana urticoides</i>																				
<i>Adriana urticoides</i> var. <i>urticoides</i>																				
* <i>Aerva javanica</i>					+	+	+	+							+		+			
<i>Aeschynomene indica</i>																				
<i>Alternanthera</i> aff. <i>angustifolia</i>																				
<i>Alternanthera angustifolia</i>																				
<i>Alternanthera nana</i>													+							
<i>Alysicarpus muelleri</i>																				
<i>Amaranthus mitchellii</i>																				
<i>Amaranthus pallidiflorus</i>									1%											
<i>Amaranthus</i> sp.																				
<i>Ammannia baccifera</i>									+											
<i>Aristida holathera</i>																			+	
<i>Aristida holathera</i> var. <i>latifolia</i>						1%	+				+				+		+	1%		
<i>Aristida inaequiglumis</i>																				
<i>Aristida ingrata</i>														+	+					
<i>Atalaya hemiglauca</i>		2%																		
<i>Avicennia marina</i>																				
<i>Bergia henshallii</i>																				
<i>Bergia trimera</i>																				
<i>Boerhavia coccinea</i>								+						+						
<i>Bonamia linearis</i>	+					+	+							+					+	
<i>Bonamia media</i> var. <i>media</i>														+						
<i>Bonamia pannosa</i>																				
<i>Bonamia rosea</i>	+	+	1%	+	+						1%	+		+		2.5%	+	+	+	
<i>Bulbostylis barbata</i>						+	(1%)	+												
<i>Byblis liniflora</i>																				
<i>Cajanus cinereus</i>																				
<i>Cajanus marmoratus</i>																				
<i>Calandrinia quadrivalvis</i>									1%											
<i>Calandrinia</i> sp.																				
<i>Carissa lanceolata</i>													1%		+	2%	+			
<i>Cassytha capillaris</i>						+			+	+	+	+					+	+	+	
* <i>Cenchrus ciliaris</i>					1%	+	+	40%					+							
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																				
<i>Cerriops tagal</i>																				
<i>Chloris pumilio</i>					+				+											
<i>Chrysopogon fallax</i>												+		+	1%	+	+	+	1%	

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT108	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
* <i>Citrullus colocynthis</i>								+											
<i>Cleome uncifera</i> subsp. <i>uncifera</i>										+							+		+
<i>Cleome viscosa</i>								+											
<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>																			
<i>Commelina ensifolia</i>																			
<i>Corchorus</i> aff. <i>incanus</i>				+			+	+		+	+			nc	+	+	+	+	1%
<i>Corchorus elachocarpus</i>																			
<i>Corchorus incanus</i> subsp. <i>incanus</i>					+	1%	2%	+											+
<i>Corymbia flavescens</i>								10%	+				10%				+		
<i>Corymbia hamersleyana</i>	2%	+																+	
<i>Corymbia</i> sp.																			
<i>Corymbia zygophylla</i>						1%								8%	5%	+	1%		
<i>Crotalaria cunninghamii</i>								3%											
<i>Crotalaria medicaginea</i>																			
<i>Crotalaria ramosissima</i>																			
* <i>Cucumis melo</i> subsp. <i>agrestis</i>								+											
<i>Cullen cinereum</i>																			
<i>Cullen graveolens</i>																			
<i>Cullen lachnostachys</i>							+												
<i>Cullen stipulaceum</i>																			
<i>Cynanchum</i> sp. (MET 15,151)								+											
<i>Cyperus blakeanus</i>																			
<i>Cyperus concinnus</i>								1%											
<i>Cyperus iria</i>					1%														
<i>Cyperus ixiocarpus</i>						+		1%											
<i>Cyperus pulchellus</i>																			
<i>Cyperus squarrosus</i>								+											
<i>Dactyloctenium radulans</i>					+	(10%)	+	+											
<i>Dentella minutissima</i>																			
<i>Desmodium filiforme</i>																			
<i>Desmodium muelleri</i>																			
<i>Digitaria brownii</i>																			+
* <i>Digitaria ciliaris</i>																			
<i>Diplachne fusca</i> subsp. <i>fusca</i>								1%											
<i>Dodonaea coriacea</i>					+			+											
<i>Dolichandrone heterophylla</i>									1%			2%	+			1%			
<i>Drosera indica</i>																			
<i>Dysphania plantaginella</i>																			
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																			
<i>Ehretia saligna</i>													+						
<i>Ehretia saligna</i> var. <i>saligna</i>																			
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>																			
<i>Enneapogon polyphyllus</i>																			
<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)								+		(+)	+			5%	5%	1% (3%)	1% (5%)	5%	
<i>Eragrostis cumingii</i>								+						+					
<i>Eragrostis dielsii</i>																			
<i>Eragrostis elongata</i>																			
<i>Eragrostis falcata</i>																			1%
<i>Eragrostis</i> sp.																			
<i>Eragrostis speciosa</i>								+					+				+		
<i>Eragrostis tenellula</i>		(1%)				+	(20%)	+	+	+									
<i>Eragrostis xerophila</i>						+													
<i>Eriachne aristidea</i>																			
<i>Eriachne benthamii</i>								1%											
<i>Eriachne helmsii</i>																			
<i>Eriachne mucronata</i> (typical form)																			
<i>Eriachne obtusa</i>												+	1%	1%	5%	+	1%	2% (5%)	+
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																			
<i>Eriachne</i> sp.																			
<i>Eriachne</i> sp. Port Hedland																			
<i>Eriachne sulcata</i>																			

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT108	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Eucalyptus victrix</i>																			
<i>Eulalia aurea</i>								2%											
<i>Euphorbia</i> aff. <i>coghlanii</i> (QR55-07)	+																		
<i>Euphorbia</i> aff. <i>coghlanii</i> (rugose seeds)																			
<i>Euphorbia australis</i>	+					+	+												
<i>Euphorbia australis</i> (mid-green form)																			
<i>Euphorbia coghlanii</i>						+	+	+											
<i>Euphorbia</i> sp.																			
<i>Euphorbia</i> sp. (B170-4)																		+	+
<i>Euphorbia</i> sp. (FMR70-12)																			
<i>Euphorbia</i> sp. (site 1089)																			
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)																			
<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)											+			+				+	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>						+	+	+						+					+
<i>Ficus brachypoda</i>																			
<i>Fimbristylis dichotoma</i>																			
<i>Fimbristylis microcarya</i>									+										
<i>Fimbristylis oxystachya</i>																			
<i>Fimbristylis rara</i>																			
<i>Fimbristylis simulans</i>																			
<i>Fimbristylis</i> sp.					+														
<i>Frankenia pauciflora</i>																			
<i>Frankenia pauciflora</i> var. <i>pauciflora</i>																			
<i>Glycine canescens</i>																			
<i>Glycine tomentella</i>																			
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>																			
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																			
<i>Gomphrena cunninghamii</i>																			
<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>							+												
<i>Goodenia forrestii</i>																	+	+	+
<i>Goodenia lamprosperma</i>																			
<i>Goodenia microptera</i>																			+
<i>Goodenia nuda</i>																			
<i>Goodenia stobbsiana</i>																			
<i>Gossypium australe</i> (Burrup Peninsula form)				+	+		+								+	+	+		
<i>Grevillea pyramidalis</i>																			
<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>																			
<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>																			
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																			
<i>Gymnanthera cunninghamii</i>																			
<i>Hakea lorea</i> subsp. <i>lorea</i>			+						+		1%	+	2%	3%		+			+
<i>Halosarcia auriculata</i>																			
<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>																			
<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>																			
<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>																			
<i>Halosarcia indica</i> subsp. <i>leiostachya</i>																			
<i>Heliotropium chrysocarpum</i>																			
<i>Heliotropium cunninghamii</i>																			
<i>Heliotropium foliatum</i>																			
<i>Heliotropium muticum</i>																			+
<i>Heliotropium</i> sp.								+											
<i>Hemichroa diandra</i>																			
<i>Hibiscus austrinus</i> var. <i>austrinus</i>									+										
<i>Hibiscus brachychlaenus</i>																			
<i>Hibiscus leptocladus</i>																			
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																			+
<i>Hybanthus aurantiacus</i>										+	+	+	+		+		+	+	+
<i>Indigofera colutea</i>																			
<i>Indigofera hirsuta</i>											+								
<i>Indigofera linifolia</i>																			
<i>Indigofera linnaei</i>																			

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Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT108	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Indigofera monophylla</i>	+	+	1%	1%	+	1%	1%		nc		+	+	1%	1%	1%	+	+	1%	1%
<i>Indigofera monophylla</i> (small calyx form)																			
<i>Indigofera trita</i>																			
<i>Ipomoea coptica</i>										+									
<i>Ipomoea costata</i>																			
<i>Ipomoea muelleri</i>											+								
<i>Ipomoea polymorpha</i>																			
<i>Isotropis atropurpurea</i>	+																		
<i>Kennedia prorepens</i>																			
<i>Keraudrenia nephrosperma</i>																			
<i>Leptopus decaisnei</i> var. <i>orbicularis</i>								+		+									
<i>Leptosema anomalum</i>																			
<i>Lipocarpha microcephala</i>																			
<i>Marsilea hirsuta</i>						1%					+								
<i>Melaleuca argentea</i>																			
<i>Melaleuca glomerata</i>																			
<i>Melaleuca lasiandra</i>																			
<i>Melhania</i> sp. Cape Preston (M77-10)																			
<i>Merremia davenportii</i>																			
* <i>Merremia dissecta</i>																			
<i>Mimulus gracilis</i>																			
<i>Mitrasacme connata</i>																			
<i>Mollugo molluginea</i>											+								+
<i>Muellerolimon salicorniaceum</i>																			
<i>Mukia maderaspatana</i>																			
<i>Murdannia graminea</i>																			
<i>Myoporum montanum</i>																			
<i>Neobassia astrocarpa</i>																			
<i>Neptunia monosperma</i>																			
<i>Oldenlandia galioides</i>																			
<i>Owenia reticulata</i>																			
<i>Panicum decompositum</i>																			
<i>Paraneurachne muelleri</i>	1%																		
<i>Paspalidium rarum</i>																			
<i>Perotis rara</i>																			
<i>Phyllanthus exilis</i>																			
<i>Phyllanthus maderaspatensis</i>																			
<i>Pimelea ammocharis</i>																			
<i>Pluchea ferdinandi-muelleri</i>																			
<i>Pluchea rubelliflora</i>																			
<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)																			
<i>Pluchea tetranthera</i>																			
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>																			
<i>Polygala linariifolia</i>																			
<i>Polymeria calycina</i>																			
<i>Polymeria</i> sp. (site 1365)																			
<i>Portulaca conspicua</i>																			
* <i>Portulaca oleracea</i>																			
<i>Portulaca pilosa</i>																			
<i>Pterocaulon serrulatum</i>																			
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) PN																			
<i>Pterocaulon sphacelatum</i>																			
<i>Pterocaulon sphaeranthoides</i>																			
<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>																			
<i>Ptilotus axillaris</i>																			
<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>																			
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>																			
<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>																			
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>																			
<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>																			
<i>Rhagodia eremaea</i>																			

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APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT108	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Rhynchosia minima</i> var. <i>australis</i>	+				+		+	+							+				
<i>Salsola tragus</i> subsp. <i>tragus</i>					1%														
<i>Santalum lanceolatum</i>																			
<i>Sarcostemma viminalis</i> subsp. <i>australe</i>																			
<i>Scaevola</i> aff. <i>browniana</i>																			
<i>Scaevola</i> aff. <i>cunninghamii</i>																			
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																			
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>														+	+	+	+	+	+
<i>Scaevola spinescens</i>																			
<i>Scaevola spinescens</i> (broad form)																			
<i>Schizachyrium fragile</i>					+ (1%)	+													+
<i>Schoenoplectus lateriflorus</i>																			
<i>Sclerolaena hostilis</i>																			
<i>Sclerolaena</i> sp.																			
<i>Senna artemisioides</i> aff. subsp. <i>oligophylla</i> (thinly)																			
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																			
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>				+															
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>					1%														
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>															+				
<i>Senna notabilis</i>					+	+	+	+	+	+			+	+					1%
<i>Senna symonii</i>			+																
<i>Senna venusta</i>								1%											
<i>Sesbania cannabina</i>																			
<i>Sesuvium portulacastrum</i>																			
* <i>Setaria verticillata</i>					+ (1%)	+													
<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)																			
<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)																			
<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)																			
<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)																			
<i>Sida arenicola</i>																			
<i>Sida billbarkeri</i>																			
<i>Sida clementii</i>					nc		+												
<i>Sida pilbarensis</i> (ferruginous form)	+			+		+	+	+	+	+			+	+			+	+	+
<i>Sida rohlenae</i>																			
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>					+	+		+					+	+				+	+
<i>Solanum cleistogamum</i>																			
<i>Solanum cunninghamii</i>																			
<i>Solanum diversiflorum</i>																			
<i>Solanum lasiophyllum</i>																			
<i>Solanum phlomoides</i>					+														
<i>Sorghum plumosum</i>																			
<i>Spinifex longifolius</i>																			
<i>Sporobolus actinocladius</i>																			
<i>Sporobolus australasicus</i>																			
<i>Sporobolus virginicus</i>																			
<i>Stackhousia intermedia</i>																			
<i>Stemodia grossa</i>																			
<i>Stemodia lathraia</i>																			
<i>Streptoglossa decurrens</i>																			
<i>Streptoglossa odora</i>																			
* <i>Stylosanthes hamata</i>																			
<i>Suaeda arbusculoides</i>																			
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																			
<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)																			
<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)																			
<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)																			
<i>Tephrosia leptoclada</i>																			
<i>Tephrosia simplicifolia</i>																			
<i>Tephrosia</i> sp.																			
<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)																			
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)																			

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX H2

Matrix of Species Found Within Each Site - Winter Survey

Species Name	QT108	QT109	QT110	QT111	QT112	QT113	QT114	QT115	QT116	QT117	QT118	QT119	QT120	QT121	QT122	QT123	QT124	QT125	QT126
<i>Tephrosia</i> sp. Finicane Island																			
<i>Tephrosia supina</i>	+			+	+														
<i>Themeda triandra</i>																			
<i>Threlkeldia diffusa</i>																			
<i>Tinospora smilacina</i>	+													+					
<i>Trianthera oxycalyptra</i> var. <i>oxycalyptra</i>		+ (+)																	
<i>Trianthera pilosa</i>																			
<i>Trianthera triquetra</i>																			
<i>Trianthera triquetra</i> var. <i>triquetra</i>																			
<i>Trianthera turgidifolia</i>																			
<i>Tribulopsis angustifolia</i>																			
<i>Tribulus occidentalis</i>																			
<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>																			
<i>Tricoryne corynothecoides</i>																			
<i>Triodia epactia</i>	1%	3%	3%		45%	30%	60%	1%	2%	1%	35%	2%	20%	30%	30%	60%	+	30%	6%
<i>Triodia lanigera</i>	30%		35%	55%		30%			30%	20%		50%	12%	10%		6%	15%	25%	40%
<i>Triodia longiceps</i>					(+)														
<i>Triodia schinzii</i>		2%									25%	+				1%	10%	5%	
<i>Triodia secunda</i>																			
<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)						+													
<i>Urochloa holosericea</i> subsp. <i>velutina</i>																			
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																			
<i>Vigna lanceolata</i> var. <i>latifolia</i>																			
<i>Wahlenbergia tumidifruca</i>																			
<i>Waltheria indica</i>								+						+				+	+
<i>Whiteochloa airoides</i>																			
<i>Yakirra australiensis</i> var. <i>australiensis</i>				+				+											+
<i>Zornia chaetophora</i>																			
<i>Zornia muelleriana</i> subsp. <i>congesta</i>																			

+ denotes a percentage cover of less than 1%
denotes species associated with the quadrat

APPENDIX I

LOCATIONS OF PRIORITY FLORA SPECIES

OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX I

LOCATION OF PRIORITY FLORA SPECIES

Appendix I1 - Summer Season Survey

Taxa	Site Number	# Easting	# Northing
<i>Tephrosia rosea</i> var. <i>venulosa</i> (Priority 1)	QT003	662281	7754469
	QT004	662134	7754698
	QT005	661938	7754476
	QT023	662180	7747426
	QT050	654497	7746751
	QT055	654692	7745578
<i>Gymnanthera cunninghamii</i> (Priority 3)	QT074	661712	7744111
		661760	7744159
	QT087	662031	7741025
		661993	7741089

Australian Geocentric 1994 (GDA94), Zone 50K.

Appendix I2 - Winter Season Survey

Taxa	Site Number	# Easting	# Northing
<i>Heliotropium muticum</i> (Priority 1)	QR126	666239	7731941
<i>Tephrosia rosea</i> var. <i>venulosa</i> (Priority 1)	QR002	662575	7754784
	QR003	662281	7754469
	QR005	661938	7754476
	QR007	661708	7754401
	QR009	661343	7754341
	QR010	660982	7754227
	QR054	659462	7744955

Taxa	Site Number	# Easting	# Northing
	QR094	662918	7740138
<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599) (Priority 2)	QR026	661379	7747365
		661415	7747300
	QR033	658168	7747045
		658104	7747086
<i>Goodenia nuda</i> (Priority 3)	QR061	656269	7744987
		656300	7744950
<i>Gymnanthera cunninghamii</i> (Priority 3)	QR074	661712	7744111
		661760	7744159

Australian Geocentric 1994 (GDA94), Zone 50K.

Appendix I3 - Additional Project Areas

Taxa	Site Number	# Easting	# Northing
<i>Heliotropium muticum</i> (Priority 1)	QN011	670540	7734720
	QN014	670754	7726092
	QN031	665991	7734232
	QN070	671332	7727799
	QN072	669238	7727489
	QN073	667095	7727671

Australian Geocentric 1994 (GDA94), Zone 50K.

Appendix I4 - Photographs of Priority Flora Species

Tephrosia rosea var. *venulosa*



Pterocaulon sp. A Kimberley Flora (B.J. Carter 599)



Goodenia nuda



Source: <http://florabase.calm.wa.gov.au/browse/photo/7530> [July 2008]

Gymnanthera cunninghamii



APPENDIX J

LOCATIONS OF LOCALLY SIGNIFICANT FLORA

OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX J

LOCATION OF FLORA SPECIES OF INTEREST

Appendix J1 - Summer Season Survey

Taxa	Site Number	# Easting	# Northing
<i>Goodenia</i> sp.	QT033	658167	7747044
<i>Liliaceous</i> sp.	QT025	661241	7747637
	QT033	658167	7747044
	QT036	659223	7747402
	QT037	658734	7747877
	QT041	660208	7748258
	QT044	657523	7746011
	QT051	654731	7746428
	QT076	660974	7744269
	QT077	661964	7743361
QT078	661197	7742846	
<i>Tephrosia</i> sp.	QT095	662454	7738913

Australian Geocentric 1994 (GDA94), Zone 50K.

Appendix J2 - Winter Season Survey

No species of interest were recorded during the winter season survey.

Appendix J3 - Additional Project Areas

Taxa	Site Number	# Easting	# Northing
<i>Eriachne sulcata</i>	QN013	670315	7726151
	QN015	669393	7725988
	QN018	671152	7725636
	QN056	656707	7740226
	QN057	656904	7740656
	QN075	669089	7731798
	Opportunistic Collection	669101	7726053

Australian Geocentric 1994 (GDA94), Zone 50K.

APPENDIX K

LOCATIONS OF INTRODUCED FLORA SPECIES

OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX K

LOCATION OF INTRODUCED SPECIES

Appendix K1 - Summer Season Survey

Taxa	Site Number	# Easting	# Northing
<i>*Aerva javanica</i>	QT01	663418	7755032
	QT02	662575	7754784
	QT03	662281	7754469
	QT04	662134	7754698
	QT05	661938	7754476
	QT06	662034	7754289
	QT07	661708	7754401
	QT09	661343	7754341
	QT10	660982	7754227
	QT16	662029	7750390
	QT30	661153	7745186
	QT64	658122	7743956
	QT72	662404	7744427
	QT112	673066	7723588
QT113	673119	7722137	
<i>*Cenchrus ciliaris</i>	QT01	663418	7755032
	QT02	662575	7754784
	QT03	662281	7754469
	QT04	662134	7754698
	QT05	661938	7754476
	QT06	662034	7754289
	QT07	661708	7754401
	QT09	661343	7754341
	QT10	660982	7754227

Taxa	Site Number	# Easting	# Northing
	QT16	662029	7750390
	QT18	661799	7749075
	QT21	661647	7747757
	QT23	662180	7747426
	QT24	661263	7747964
	QT25	661241	7747637
	QT27	661165	7746813
	QT30	661153	7745186
	QT31	660985	7745201
	QT34	658457	7746944
	QT36	659223	7747402
	QT39	660114	7749275
	QT41	660208	7748258
	QT44	657523	7746011
	QT45	657812	7745895
	QT49	654690	7746973
	QT52	657789	7744872
	QT53	658142	7744694
	QT56	655024	7745385
	QT59	655905	7745214
	QT61	656268	7744988
	QT63	660274	7744344
	QT69	659073	7742818
	QT70	659869	7742962
	QT73	662599	7744230
	QT74	661712	7744111
	QT75	661353	7744278
	QT77	661964	7743361
	QT85	660297	7741225
	QT88	661982	7740274

Taxa	Site Number	# Easting	# Northing
	QT95	662454	7738913
	QT102	660628	7739058
	QT103	661459	7738394
	QT104	661356	7737536
	QT112	673066	7723588
	QT113	673119	7722137
	QT114	673212	7720764
	QT115	673310	7720297
	QT120	666516	7733813
	QT124	666334	7731020
* <i>Chloris virgata</i>	Opportunistic Collection	658128	7746364
* <i>Citrullus colocynthis</i>	QT115	673310	7720297

Australian Geocentric 1994 (GDA94), Zone 50K.

Appendix K2 - Winter Season Survey

Taxa	Site Number	# Easting	# Northing
<i>*Aerva javanica</i>	QR001	663418	7755032
	QR002	662575	7754784
	QR003	662281	7754469
	QR004	662134	7754698
	QR005	661938	7754476
	QR007	661708	7754401
	QR009	661343	7754341
	QR010	660982	7754227
	QR016	662029	7750390
	QR021	661647	7747757
	QR023	662180	7747426
	QR031	660985	7745201
	QR039	660114	7749275
	QR064	658122	7743956
	QR072	662404	7744427
	QR075	661353	7744278
	QR104	661356	7737536
	QR112	673066	7723588
	QR113	673119	7722137
	QR114	673212	7720764
QR115	673310	7720297	
QR122	666221	7729875	
QR124	666334	7731020	
<i>*Cenchrus ciliaris</i>	QR001	663418	7755032
	QR002	662575	7754784
	QR003	662281	7754469
	QR004	662134	7754698
	QR005	661938	7754476
	QR007	661708	7754401

Taxa	Site Number	# Easting	# Northing
	QR009	661343	7754341
	QR010	660982	7754227
	QR016	662029	7750390
	QR018	661799	7749075
	QR021	661647	7747757
	QR023	662180	7747426
	QR024	661263	7747964
	QR025	661241	7747637
	QR027	661165	7746813
	QR030	661153	7745186
	QR031	660985	7745201
	QR039	660114	7749275
	QR041	660208	7748258
	QR043	657792	7746657
	QR045	657811	657811
	QR049	654690	7746973
	QR053	658142	7744694
	QR054	659462	7744955
	QR057	655017	7745785
	QR059	655905	7745214
	QR061	656268	7744988
	QR063	660274	7744344
	QR064	658122	7743956
	QR069	659073	7742818
	QR074	661712	7744111
	QR075	661353	7744278
	QR079	660703	7743000
	QR085	660297	7741225
	QR088	661982	7740274
	QR103	661459	7738394

Taxa	Site Number	# Easting	# Northing
	QR112	673066	7723588
	QR113	673119	7722137
	QR114	673212	7720764
	QR115	673310	7720297
	QR120	666516	7733813
* <i>Citrullus colocynthis</i>	QR115	673310	7720297
* <i>Cucumis melo</i> subsp. <i>agrestis</i>	QR115	673310	7720297
* <i>Digitaria ciliaris</i>	QR057	655017	7745785
	QR087	664057	7734589
* <i>Merremia dissecta</i>	QR001	663418	7755032
* <i>Portulaca oleracea</i>	QR049	654690	7746973
	QR069	659073	7742818
	QR115	673310	7720297
* <i>Setaria verticillata</i>	QR112	673066	7723588
	QR113	673119	7722137
* <i>Stylosanthes hamata</i>	QR010	660982	7754227

Australian Geocentric 1994 (GDA94), Zone 50K.

Appendix K2 - Additional Project Areas

Taxa	Site Number	# Easting	# Northing
<i>*Aerva javanica</i>	QN28	666330	7728728
	QN37	662801	7733770
	QN39	661789	7733861
	QN46	658170	7735278
	QN59	657107	7737932
	QN80	671490	7729034
	QN84	661141	7734861
	QN88	663030	7735725
	QN99	657372	7741108
<i>*Cenchrus ciliaris</i>	QN02	667577	7726629
	QN06	666136	7727503
	QN10	670908	7733945
	QN52	656332	7738288
	QN54	656538	7739181
	QN59	657107	7737932
	QN65	657725	7743512
	QN66	657246	7744050
	QN73	667095	7727671
<i>*Cucumis melo subsp. agrestis</i>	QN10	670908	7733945
	QN11	670540	7734720
	QN16	668915	7726269
	QN45	658565	7734682
	QN52	656332	7738288
	QN68	670199	7734095
	QN101	657593	7739391
<i>*Portulaca oleracea</i>	QN15	669393	7725988
	QN16	668915	7726269
	QN71	670970	7727612

Australian Geocentric 1994 (GDA94), Zone 50K.

APPENDIX L

COMPARISON OF SURVEYS

OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX L

Comparison of Flora and Vegetation Surveys

Project	Area Surveyed	Survey Methods	Rainfall	Flora	Priority Flora	Introduced Species	Vegetation
A Flora and Fauna Assessment of RGP5 Spoil Areas A and H, Port Hedland Harbour (Biota 2008)	Area A – 123.2Ha West of conveyor to Finucane Island Area H – 459.9Ha North of Wedgefield industrial area and east of Anderson Point	Survey conducted on 26 & 27 February 2008 50 – 100 m wide transects conducted over project area	September 2007 to March 2008 – 71.4 mm February 2008 – 63.6mm	Area A – 24 taxa from 17 families and 21 genera Area H – 47 taxa from 24 families and 38 genera	No Priority Flora species recorded	Area A – 2 introduced <i>*Cenchrus ciliaris</i> <i>*Aerva javanica</i> Area H – 9 introduced <i>*Aerva javanica</i> <i>*Washingtonia filifera</i> <i>*Merremia dissecta</i> <i>*Stylosanthes hamata</i> <i>*Cenchrus ciliaris</i> <i>*Cenchrus setigera</i> <i>*Chloris virgata</i> <i>*Cynodon dactylon</i> <i>*Portulaca oleracea</i>	Area A – 2 vegetation types. Area H – 3 vegetation types.
A Biodiversity Assessment of the Utah Point Berth Development, Port Hedland (Biota 2007)	Utah Point southern tip & 10 km corridor along Finucane Island access road	Survey conducted 11 – 13 April 2007 50 – 60 m wide transects conducted over project area	January – April 2007 – 309 mm Favourable conditions for the collection of annuals & ephemerals	110 taxa from 35 families and 77 genera Most common families: Poaceae – 13 taxa Papilionaceae – 13 taxa Convolvulaceae – 7 taxa	<i>Bulbostylis burbridgeae</i> (Priority 3) Collected from 2 locations Annual species	5 introduced species <i>*Cenchrus ciliaris</i> <i>*Cenchrus setigera</i> <i>*Chloris virgata</i> <i>*Aerva javanica</i> <i>*Stylosanthes hamata</i>	3 vegetation types Poor to Good Condition

Project	Area Surveyed	Survey Methods	Rainfall	Flora	Priority Flora	Introduced Species	Vegetation
Vegetation and Flora Survey of the Proposed Fortescue Metals Group Stage A Rail Corridor (Biota 2004)	345 km rail corridor from Port Hedland to Mindy Mindy	17 March – 6 April 2004 97 flora quadrats Traverses by foot in areas not accessible by vehicle	February 2004 – 177.6mm Completed 6 weeks after heavy & sustained rainfall Extremely favourable for the collection of annuals & ephemerals 50% of species recorded were annual or weakly perennial	762 taxa from 69 families and 218 genera Most common families: Poaceae – 121 taxa Papilionaceae – 76 taxa Malvaceae – 65 taxa Most common genera: Acacia – 61 taxa Sida – 29 taxa Tephrosia – 21 taxa	Priority 1 – 3 species <i>Eremophila spongiorarpa</i> <i>Goodenia omerata</i> <i>Josephinia</i> ?sp. Marandoo (M E Trudgen 1554) Priority 2 – 7 species <i>Euphorbia clementii</i> <i>Gonocarpus ephemerus</i> <i>Indigofera ixiocarpus</i> ms <i>Ischaemum albobillosum</i> <i>Olearia fluvialis</i> <i>Paspalidium retiglume</i> <i>Styllidium weeliwolli</i> Priority 3 – 10 species <i>Bulbostylis burbridgeae</i> <i>Goodenia nuda</i> <i>Gymnanthera cunninghamii</i> <i>Hibiscus brachysiphorius</i> <i>Phyllanthus aridus</i> <i>Polymeria</i> sp. Hamersley (M E Trudgen 11 353) <i>Sida</i> sp. Wittenoom (W R Baker 1962) <i>Themeda</i> so. Hamersley Station (M E Trudgen 11431) Priority 4 – 1 species <i>Goodenia stellata</i>	11 introduced species * <i>Cenchrus ciliaris</i> * <i>Chloris virgata</i> * <i>Setaria verticillata</i> * <i>Aerva javanica</i> * <i>Stylosanthes hamata</i> * <i>Malvastrum americanum</i> * <i>Datura leichhardtii</i> * <i>Solanum nigrum</i> * <i>Citrullus colocynthis</i> * <i>Bidens bipinnata</i> * <i>Cenchrus ciliaris</i>	122 vegetation types

Project	Area Surveyed	Survey Methods	Rainfall	Flora	Priority Flora	Introduced Species	Vegetation
Hope Downs Iron Ore Project Public Environmental Review (Hope Downs Management Services 2002)	324 km rail line from Port Hedland to Hope Down mine site.	Completed in 2001 286 flora quadrats	After February 2001 when conditions were extremely favourable Second survey was completed later in season however annuals were still present January 2001 – 339.8mm	763 taxa from 72 families and 236 genera Most common families: Poaceae – 115 taxa Papilionaceae – 85 taxa Malvaceae – 65 taxa Most common genera: Acacia – 57 taxa Sida – 29 taxa Tephrosia – 29 taxa	14 Priority Flora species recorded within entire route 7 recorded within relevant sections (F, G & H) <i>Olearia fluvialis</i> <i>Abutilon trudgenii</i> <i>Phyllanthus aridus</i> <i>Indigofera ixocarpa</i> <i>Euphorbia clementii</i> <i>Bulbostylis burbridgeae</i> <i>Gymnanthera cunninghamii</i>	18 introduced species 1 Declared Plant – <i>Opuntia stricta</i> (Prickly Pear) <i>*Cenchrus ciliaris</i> <i>*Aerva javanica</i> <i>*Echinochloa colona</i> <i>*Setaria verticillata</i> <i>*Stylosanthes hamata</i> <i>*Euphorbia hirta</i> <i>*Malvastrum americanum</i> <i>*Solanum nigrum</i> <i>*Citrullus colocynthis</i> <i>*Bidens bipinnata</i> <i>*Sigesbeckia orientalis</i> <i>*Sonchus oleraceus</i> <i>*Tridax procumbens</i> <i>*Cenchrus setigera</i> <i>*Eragrostis minor</i> <i>*Argemone ochroleuca</i> <i>*Cucumis melo subsp. agrestis</i>	131 vegetation types
Hedland HBI Project – Boodarie Site Flora, Vegetation and Vertebrate Fauna (Matiske Consulting Pty Ltd 1994)	Encompassed the proposed industrial park located to the west of South Hedland on Boodarie Station between the station road and the coast, connected by a service corridor to Finucane Island	Survey conducted between 12 and 14 September 1994 Opportunistic survey of the project area on ground (vehicle and foot traverses) and by helicopter	January to August 1994 – 211.2 mm.	107 taxa from 42 families and 78 genera Most common families: Poaceae – 15 taxa Papilionaceae – 11 taxa Mimosaceae – 7 taxa	No Priority Flora species recorded, however they are considered likely to occur in the project area	2 introduced species	9 vegetation types

APPENDIX M

FLORA SPECIES RECORDED IN SURVEYS OF THE LOCAL AREA

OUTER HARBOUR DEVELOPMENT FLORA AND VEGETATION ASSESSMENT

APPENDIX M

Flora species recorded in surveys in the local area.

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Aizoaceae	<i>Sesuvium portulacastrum</i>	x			
Aizoaceae	<i>Trianthema oxycalyptra</i> var. <i>oxycalyptra</i>	x			
Aizoaceae	<i>Trianthema pilosa</i>	x			
Aizoaceae	<i>Trianthema triquetra</i>	x		x	
Aizoaceae	<i>Trianthema triquetra</i> var. <i>triquetra</i>	x			
Aizoaceae	<i>Trianthema turgidifolia</i>	x	x	x	x
Amaranthaceae	<i>Achyranthes aspera</i>	x			
Amaranthaceae	<i>Aerva javanica</i>	x	x	x	x
Amaranthaceae	<i>Alternanthera</i> aff. <i>angustifolia</i>	x			
Amaranthaceae	<i>Alternanthera angustifolia</i>	x			
Amaranthaceae	<i>Alternanthera nana</i>	x			
Amaranthaceae	<i>Amaranthus mitchellii</i>	x	x		
Amaranthaceae	<i>Amaranthus pallidiflorus</i>	x			
Amaranthaceae	<i>Amaranthus</i> sp.	x			
Amaranthaceae	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	x			
Amaranthaceae	<i>Gomphrena canescens</i>	x	x		
Amaranthaceae	<i>Gomphrena canescens</i> subsp. <i>canescens</i>	x		x	
Amaranthaceae	<i>Gomphrena cunninghamii</i>	x			
Amaranthaceae	<i>Gomphrena leptoclada</i> subsp. <i>leptoclada</i>	x			
Amaranthaceae	<i>Gomphrena sordida</i>	x			
Amaranthaceae	<i>Gomphrena</i> sp.	x			
Amaranthaceae	<i>Hemichroa diandra</i>	x		x	
Amaranthaceae	<i>Ptilotus arthrolasius</i>	x			
Amaranthaceae	<i>Ptilotus astrolasius</i> var. <i>astrolasius</i>	x			
Amaranthaceae	<i>Ptilotus axillaris</i>	x			
Amaranthaceae	<i>Ptilotus calostachyus</i> var. <i>calostachyus</i>	x			
Amaranthaceae	<i>Ptilotus clementii</i>		x		
Amaranthaceae	<i>Ptilotus exaltatus</i>			x	
Amaranthaceae	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	x			
Amaranthaceae	<i>Ptilotus fusiformis</i>		x		
Amaranthaceae	<i>Ptilotus fusiformis</i> var. <i>fusiformis</i>	x			
Amaranthaceae	<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>	x			
Amaranthaceae	<i>Ptilotus obovatus</i>		x		

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Amaranthaceae	<i>Ptilotus polystachyus</i> var. <i>arthrotrichus</i>	x		x	
Anthericaceae	<i>Tricoryne corynothecoides</i>	x		x	
Anthericaceae	<i>Tricoryne elatior</i>		x		
Apocynaceae	<i>Carissa lanceolata</i>	x	x		
Arecaceae	<i>Washingtonia filifera</i>				x
Asclepiadaceae	<i>Cynanchum</i> sp. (MET 15,151)	x			
Asclepiadaceae	<i>Gymnanthera cunninghamii</i>	x			
Asclepiadaceae	<i>Sarcostemma viminalis</i> subsp. <i>australe</i>	x	x		x
Asteraceae	<i>Centipeda minima</i> subsp. <i>macrocephala</i>	x			
Asteraceae	<i>Flaveria australasica</i>	x		x	
Asteraceae	<i>Pluchea ferdinandi-muelleri</i>	x		x	
Asteraceae	<i>Pluchea rubelliflora</i>	x			
Asteraceae	<i>Pluchea</i> sp. B Kimberley Flora (K.F. Kenneally 9526A)	x			
Asteraceae	<i>Pluchea tetranthera</i>	x	x	x	x
Asteraceae	<i>Pterocaulon serrulatum</i>	x			
Asteraceae	<i>Pterocaulon</i> sp.	x			
Asteraceae	<i>Pterocaulon</i> sp. A Kimberley Flora (B.J. Carter 599)	x			
Asteraceae	<i>Pterocaulon sphacelatum</i>	x	x		
Asteraceae	<i>Pterocaulon</i> <i>sphaeranthoides</i>	x		x	x
Asteraceae	<i>Streptoglossa bubakii</i>	x	x		
Asteraceae	<i>Streptoglossa decurrens</i>	x			
Asteraceae	<i>Streptoglossa odora</i>	x			
Avicenniaceae	<i>Avicennia marina</i>	x	x	x	
Bignoniaceae	<i>Dolichandrone heterophylla</i>	x	x		
Boraginaceae	<i>Ehretia saligna</i>	x	x	x	
Boraginaceae	<i>Ehretia saligna</i> var. <i>saligna</i>	x			
Boraginaceae	<i>Heliotropium chrysocarpum</i>	x			
Boraginaceae	<i>Heliotropium conocarpum</i>			x	
Boraginaceae	<i>Heliotropium cunninghamii</i>	x			
Boraginaceae	<i>Heliotropium foliatum</i>	x			
Boraginaceae	<i>Heliotropium muticum</i>	x			
Boraginaceae	<i>Heliotropium</i> sp.	x			
Boraginaceae	<i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i>	x			
Byblidaceae	<i>Byblis liniflora</i>	x		x	
Caesalpiniaceae	<i>Senna artemisioides</i> aff subsp <i>oligophylla</i> (thinly sericeous)	x			
Caesalpiniaceae	<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>	x			
Caesalpiniaceae	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	x			

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Caesalpiniaceae	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	x			
Caesalpiniaceae	<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	x			
Caesalpiniaceae	<i>Senna notabilis</i>	x		x	
Caesalpiniaceae	<i>Senna symonii</i>	x			
Caesalpiniaceae	<i>Senna venusta</i>	x			
Campanulaceae	<i>Wahlenbergia tumidifruca</i>	x			
Capparaceae	<i>Capparis spinosa</i>		x		
Capparaceae	<i>Cleome uncifera</i> subsp. <i>uncifera</i>	x			
Capparaceae	<i>Cleome viscosa</i>	x	x		
Caryophyllaceae	<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	x			
Caryophyllaceae	<i>Polycarpaea longiflora</i>	x			
Chenopodiaceae	<i>Atriplex codonocarpus</i>		x		
Chenopodiaceae	<i>Dysphania plantaginella</i>	x			
Chenopodiaceae	<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	x			
Chenopodiaceae	<i>Dysphania sphaerosperma</i>	x			
Chenopodiaceae	<i>Enchylaena tomentosa</i>		x	x	
Chenopodiaceae	<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	x			
Chenopodiaceae	<i>Halosarcia auriculata</i>	x			
Chenopodiaceae	<i>Halosarcia halocnemoides</i>	x			
Chenopodiaceae	<i>Halosarcia halocnemoides</i> subsp. <i>catenulata</i>	x			
Chenopodiaceae	<i>Halosarcia halocnemoides</i> subsp. <i>nov.</i>	x			
Chenopodiaceae	<i>Halosarcia halocnemoides</i> subsp. <i>tenuis</i>	x		x	x
Chenopodiaceae	<i>Halosarcia indica</i> subsp. <i>?leiostachya</i>				x
Chenopodiaceae	<i>Halosarcia indica</i> subsp. <i>leiostachya</i>	x		x	
Chenopodiaceae	<i>Halosarcia pterygosperma</i> subsp. <i>denticulata</i>	x			
Chenopodiaceae	<i>Halosarcia</i> sp.	x			
Chenopodiaceae	<i>Maireana</i> sp.	x			
Chenopodiaceae	<i>Muellerolimon</i> <i>saliconiaceum</i>				x
Chenopodiaceae	<i>Neobassia astrocarpa</i>	x	x	x	x
Chenopodiaceae	<i>Rhagodia eremaea</i>	x	x		
Chenopodiaceae	<i>Salsola tragus</i>		x	x	
Chenopodiaceae	<i>Salsola tragus</i> subsp. <i>grandiflora</i>	x			
Chenopodiaceae	<i>Salsola tragus</i> subsp. <i>tragus</i>	x			
Chenopodiaceae	<i>Sclerolaena hostilis</i>	x			
Chenopodiaceae	<i>Sclerolaena</i> sp.	x			
Chenopodiaceae	<i>Suaeda arbusculoides</i>	x		x	

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Chenopodiaceae	<i>Threlkeldia diffusa</i>	x			
Commelinaceae	<i>Commelina ensifolia</i>	x		x	x
Commelinaceae	<i>Murdannia graminea</i>	x			
Convolvulaceae	<i>Bonamia linearis</i>	x	x		
Convolvulaceae	<i>Bonamia media</i> var. ? <i>media</i>	x		x	
Convolvulaceae	<i>Bonamia media</i>				
Convolvulaceae	<i>Bonamia media</i> var. <i>media</i>	x			
Convolvulaceae	<i>Bonamia pannosa</i>	x			
Convolvulaceae	<i>Bonamia rosea</i>	x	x	x	
Convolvulaceae	<i>Bonamia</i> sp. (HD94-6)	x			
Convolvulaceae	<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	x		x	x
Convolvulaceae	<i>Evolvulus alsinoides</i> var. <i>villocalyx</i> (grey form)	x			
Convolvulaceae	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	x		x	x
Convolvulaceae	<i>Ipomoea coptica</i>	x			
Convolvulaceae	<i>Ipomoea costata</i>	x			
Convolvulaceae	<i>Ipomoea muelleri</i>	x	x	x	x
Convolvulaceae	<i>Ipomoea pes-caprae</i>	x			x
Convolvulaceae	<i>Ipomoea pes-caprae</i> subsp. <i>brasiliensis</i>			x	
Convolvulaceae	<i>Ipomoea polymorpha</i>	x			
Convolvulaceae	<i>Merremia davenportii</i>	x	x		
Convolvulaceae	<i>Merremia dissecta</i>	x			x
Convolvulaceae	<i>Polymeria ambigua</i>		x	x	
Convolvulaceae	<i>Polymeria</i> aff. <i>calycina</i>	x			
Convolvulaceae	<i>Polymeria calycina</i>	x			
Convolvulaceae	<i>Polymeria</i> sp.	x			
Convolvulaceae	<i>Polymeria</i> sp. (site 1365)	x			
Cucurbitaceae	<i>Citrullus colocynthis</i>	x			
Cucurbitaceae	<i>Cucumis melo</i> subsp. <i>agrestis</i>	x			
Cucurbitaceae	<i>Mukia maderaspatana</i>	x	x	x	x
Cyperaceae	<i>Bulbostylis barbata</i>	x		x	
Cyperaceae	<i>Bulbostylis burbidgeae</i>			x	
Cyperaceae	<i>Cyperus blakeanus</i>	x			
Cyperaceae	<i>Cyperus bulbosus</i>			x	x
Cyperaceae	<i>Cyperus concinnus</i>	x			
Cyperaceae	<i>Cyperus cunninghamii</i>		x		
Cyperaceae	<i>Cyperus cunninghamii</i> subsp. <i>cunninghamii</i>			x	x
Cyperaceae	<i>Cyperus iria</i>	x			
Cyperaceae	<i>Cyperus ixiocarpus</i>	x			
Cyperaceae	<i>Cyperus pulchellus</i>	x			
Cyperaceae	<i>Cyperus squarrosus</i>	x		x	
Cyperaceae	<i>Fimbristylis dichotoma</i>	x	x		
Cyperaceae	<i>Fimbristylis microcarya</i>	x		x	x
Cyperaceae	<i>Fimbristylis oxystachya</i>	x			
Cyperaceae	<i>Fimbristylis rara</i>	x			

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Cyperaceae	<i>Fimbristylis simulans</i>	x			
Cyperaceae	<i>Fimbristylis</i> sp.	x			
Cyperaceae	<i>Lipocarpa microcephala</i>	x			
Cyperaceae	<i>Schoenoplectus lateriflorus</i>	x			
Droseraceae	<i>Drosera indica</i>	x			
Elatinaceae	<i>Bergia aff. henshallii</i>		x		
Elatinaceae	<i>Bergia henshallii</i>	x			
Elatinaceae	<i>Bergia pedicellaris</i>	x			
Elatinaceae	<i>Bergia trimera</i>	x			
Euphorbiaceae	<i>Adriana urticoides</i>	x	x		
Euphorbiaceae	<i>Adriana urticoides</i> var. <i>urticoides</i>	x			
Euphorbiaceae	<i>Euphorbia aff. Australis</i>			x	
Euphorbiaceae	<i>Euphorbia aff. coghlanii</i> (QR55-07)	x			
Euphorbiaceae	<i>Euphorbia aff. coghlanii</i> (rugose seeds)	x			
Euphorbiaceae	<i>Euphorbia australis</i>	x		x	x
Euphorbiaceae	<i>Euphorbia australis</i> (mid- green form)	x			
Euphorbiaceae	<i>Euphorbia coghlanii</i>	x		x	
Euphorbiaceae	<i>Euphorbia</i> sp.	x			
Euphorbiaceae	<i>Euphorbia</i> sp. (B170-4)	x			
Euphorbiaceae	<i>Euphorbia</i> sp. (FMR70-12)	x			
Euphorbiaceae	<i>Euphorbia</i> sp. (site 1089)	x			
	<i>Euphorbia tannensis</i>		x		
Euphorbiaceae	<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>			x	
Euphorbiaceae	<i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Burrup form)	x			
Euphorbiaceae	<i>Leptopus decaisnei</i> var. <i>orbicularis</i>	x			
Euphorbiaceae	<i>Phyllanthus exilis</i>	x			
Euphorbiaceae	<i>Phyllanthus</i> <i>maderaspatensis</i>	x			
Frankeniaceae	<i>Frankenia ambita</i>			x	x
Frankeniaceae	<i>Frankenia pauciflora</i>	x			
Frankeniaceae	<i>Frankenia pauciflora</i> var. <i>pauciflora</i>	x	x		
Gentianaceae	<i>Centaurium spicatum</i>	x			
Goodeniaceae	<i>Goodenia aff. tenuiloba</i> (MET1540)		x		
Goodeniaceae	<i>Goodenia armitiana</i>	x			
Goodeniaceae	<i>Goodenia forrestii</i>	x		x	x
Goodeniaceae	<i>Goodenia lamprosperma</i>	x			x
Goodeniaceae	<i>Goodenia microptera</i>	x			
Goodeniaceae	<i>Goodenia muelleriana</i>	x			
Goodeniaceae	<i>Goodenia nuda</i>	x			
Goodeniaceae	<i>Goodenia</i> sp.	x	x		
Goodeniaceae	<i>Goodenia stobbsiana</i>	x			

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Goodeniaceae	<i>Scaevola</i> aff. <i>browniana</i>	x			
Goodeniaceae	<i>Scaevola</i> aff. <i>cunninghamii</i>	x			
Goodeniaceae	<i>Scaevola amblyanthera</i> var. <i>centralis</i>	x			
Goodeniaceae	<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	x			
Goodeniaceae	<i>Scaevola</i> sp.	x			
Goodeniaceae	<i>Scaevola spinescens</i>	x	x	x	x
Goodeniaceae	<i>Scaevola spinescens</i> (broad form)	x			
Goodeniaceae	<i>Scaevola spinescens</i> (narrow form)	x			
Lauraceae	<i>Cassytha capillaris</i>	x	x	x	x
Loganiaceae	<i>Mitrasacme connata</i>	x			
Lythraceae	<i>Ammannia baccifera</i>	x			
Lythraceae	<i>Rotala diandra</i>	x			
Malvaceae	<i>Abutilon</i> aff. <i>dioicum</i> (HD195)	x			
Malvaceae	<i>Abutilon</i> aff. <i>lepidum</i> (4)			x	
Malvaceae	<i>Abutilon lepidum</i>	x			
Malvaceae	<i>Abutilon otocarpum</i>	x	x	x	
Malvaceae	<i>Abutilon</i> sp.	x	x		
Malvaceae	<i>Abutilon</i> sp. (HD164)	x			
Malvaceae	<i>Abutilon trudgenii</i> MS	x			
Malvaceae	<i>Gossypium australe</i> (Burrup Peninsula form)	x			
Malvaceae	<i>Hibiscus austrinus</i> var. <i>austrinus</i>	x			
Malvaceae	<i>Hibiscus brachychlaenus</i>	x			
Malvaceae	<i>Hibiscus leptocladus</i>	x		x	
Malvaceae	<i>Hibiscus</i> sp.	x	x		
Malvaceae	<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	x			
Malvaceae	<i>Lawrencia viridigrisea</i>			x	
Malvaceae	<i>Malvastrum</i> sp.	x			
Malvaceae	<i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350)	x			
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i>	x		x	x
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i> (B64-13B)	x			
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i> (HD12-39)	x			
Malvaceae	<i>Sida</i> aff. <i>fibulifera</i> (HD148-13)	x			
Malvaceae	<i>Sida</i> aff. <i>platycalyx</i>		x		
Malvaceae	<i>Sida arenicola</i>	x			
Malvaceae	<i>Sida billbarkeri</i>	x			
Malvaceae	<i>Sida clementii</i>	x			
Malvaceae	<i>Sida fibulifera</i>		x		
Malvaceae	<i>Sida pilbarensis</i> (ferruginous form)	x		x	
Malvaceae	<i>Sida rohlena</i>	x	x		

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Malvaceae	<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	x			
Malvaceae	<i>Sida</i> sp.	x		x	
Marsileaceae	<i>Marsilea hirsuta</i>	x			
Meliaceae	<i>Owenia reticulata</i>	x	x		
Menispermaceae	<i>Tinospora smilacina</i>	x			
Mimosaceae	<i>Acacia ampliceps</i>	x			
Mimosaceae	<i>Acacia ancistrocarpa</i>	x		x	x
Mimosaceae	<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>	x			
Mimosaceae	<i>Acacia ancistrocarpa</i> x <i>trachycarpa</i>	x			
Mimosaceae	<i>Acacia ancistrocarpa</i> x <i>tumida</i>	x			
Mimosaceae	<i>Acacia bivenosa</i>	x	x		x
Mimosaceae	<i>Acacia colei</i> var. <i>colei</i>	x		x	x
Mimosaceae	<i>Acacia coriacea</i> subsp. <i>coriacea</i>	x	x		
Mimosaceae	<i>Acacia cowleana</i>		x		
Mimosaceae	<i>Acacia elachantha</i>			x	
Mimosaceae	<i>Acacia inaequilatera</i>	x	x	x	x
Mimosaceae	<i>Acacia maitlandii</i>	x			
Mimosaceae	<i>Acacia pyrifolia</i>	x			
Mimosaceae	<i>Acacia sabulosa</i>	x			
Mimosaceae	<i>Acacia sericocarpa</i>	x			
Mimosaceae	<i>Acacia sericophylla</i>	x			
Mimosaceae	<i>Acacia</i> sp.	x			
Mimosaceae	<i>Acacia stellaticeps</i>	x		x	x
Mimosaceae	<i>Acacia synchronicia</i>	x			
Mimosaceae	<i>Acacia trachycarpa</i>	x	x	x	x
Mimosaceae	<i>Acacia trachycarpa</i> subsp. <i>tumida</i> var. <i>pilbarensis</i>	x			
Mimosaceae	<i>Acacia translucens</i>		x		
Mimosaceae	<i>Acacia trudgeniana</i>	x			
Mimosaceae	<i>Acacia tumida</i>		x		
Mimosaceae	<i>Acacia tumida</i> var. <i>pilbarensis</i>	x			
Mimosaceae	<i>Neptunia dimorphantha</i>	x		x	
Mimosaceae	<i>Neptunia monosperma</i>	x			
Molluginaceae	<i>Glinus lotoides</i>	x			
Molluginaceae	<i>Mollugo molluginea</i>	x	x	x	x
Moraceae	<i>Ficus brachypoda</i>	x			
Moraceae	<i>Ficus platypoda</i>		x		
Myoporaceae	<i>Myoporum montanum</i>	x	x	x	x
Myrtaceae	<i>Corymbia aspera</i>		x		
Myrtaceae	<i>Corymbia flavescens</i>	x			
Myrtaceae	<i>Corymbia hamersleyana</i>	x	x		
Myrtaceae	<i>Corymbia</i> sp.	x			
Myrtaceae	<i>Corymbia zygophylla</i>	x			
Myrtaceae	<i>Eucalyptus camaldulensis</i> var. <i>obtusa</i>				x

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Myrtaceae	<i>Eucalyptus</i> sp.	x			
Myrtaceae	<i>Eucalyptus victrix</i>	x	x		
Myrtaceae	<i>Melaleuca argentea</i>	x			
Myrtaceae	<i>Melaleuca argentea</i> subsp. <i>argentea</i>		x		
Myrtaceae	<i>Melaleuca glomerata</i>	x			
Myrtaceae	<i>Melaleuca lasiandra</i>	x	x		
Nyctaginaceae	<i>Boerhavia coccinea</i>	x		x	
Nyctaginaceae	<i>Boerhavia gardneri</i>		x		x
Nyctaginaceae	<i>Boerhavia repleta</i>			x	
Nyctaginaceae	<i>Boerhavia</i> sp.	x			
Oleaceae	<i>Jasminum didymum</i> subsp. <i>lineare</i>		x		
Papilionaceae	<i>Aeschynomene indica</i>	x			
Papilionaceae	<i>Alysicarpus muelleri</i>	x			
Papilionaceae	<i>Cajanus cinereus</i>	x		x	x
Papilionaceae	<i>Cajanus marmoratus</i>	x			
Papilionaceae	<i>Canavalia rosea</i>		x		
Papilionaceae	<i>Crotalaria cunninghamii</i>	x		x	
Papilionaceae	<i>Crotalaria medicaginea</i>	x			
Papilionaceae	<i>Crotalaria ramosissima</i>	x			
Papilionaceae	<i>Cullen cinereum</i>	x			
Papilionaceae	<i>Cullen graveolens</i>	x			
Papilionaceae	<i>Cullen lachnostachys</i>	x	x		
Papilionaceae	<i>Cullen martinii</i>	x			
Papilionaceae	<i>Cullen pogonocarpum</i>	x			
Papilionaceae	<i>Cullen pustulata</i>		x		
Papilionaceae	<i>Cullen stipulaceum</i>	x			
Papilionaceae	<i>Desmodium filiforme</i>	x	x		
Papilionaceae	<i>Desmodium muelleri</i>	x			
Papilionaceae	<i>Glycine canescens</i>	x			
Papilionaceae	<i>Glycine tomentella</i>	x		x	
Papilionaceae	<i>Indigofera colutea</i>	x		x	
Papilionaceae	<i>Indigofera hirsuta</i>	x			
Papilionaceae	<i>Indigofera linifolia</i>	x			
Papilionaceae	<i>Indigofera linnaei</i>	x		x	x
Papilionaceae	<i>Indigofera monophylla</i>	x	x	x	
Papilionaceae	<i>Indigofera monophylla</i> (small calyx form)	x			
Papilionaceae	<i>Indigofera ?linnaei</i>		x		
Papilionaceae	<i>Indigofera trita</i>	x		x	
Papilionaceae	<i>Isotropis atropurpurea</i>	x			
Papilionaceae	<i>Kennedia prorepens</i>	x			
Papilionaceae	<i>Leptosema anomalum</i>	x			
Papilionaceae	<i>Rhynchosia minima</i>		x	x	x
Papilionaceae	<i>Rhynchosia minima</i> var. <i>australis</i>	x			
Papilionaceae	<i>Sesbania cannabina</i>	x		x	x
Papilionaceae	<i>Stylosanthes hamata</i>	x		x	x
Papilionaceae	<i>Swainsona pterostylis</i>	x			

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Papilionaceae	<i>Tephrosia</i> aff. <i>bidwillii</i> (HD153-5)	x		x	x
Papilionaceae	<i>Tephrosia</i> aff. <i>supina</i> (HD133-20)	x			
Papilionaceae	<i>Tephrosia</i> aff. <i>uniovulata</i> (HD76)	x			
Papilionaceae	<i>Tephrosia leptoclada</i>	x		x	
Papilionaceae	<i>Tephrosia phaeosperma</i>			x	
Papilionaceae	<i>Tephrosia rosea</i>		x		
Papilionaceae	<i>Tephrosia rosea</i> subsp. <i>clementii</i>		x		x
Papilionaceae	<i>Tephrosia rosea</i> var. <i>venulosa</i>	x			
Papilionaceae	<i>Tephrosia simplicifolia</i>	x			
Papilionaceae	<i>Tephrosia</i> sp.	x			
Papilionaceae	<i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)	x			
Papilionaceae	<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)	x			
Papilionaceae	<i>Tephrosia sphaerospora</i>		x		
Papilionaceae	<i>Tephrosia supina</i>	x			
Papilionaceae	<i>Vigna</i> aff. <i>lanceolata</i>			x	
Papilionaceae	<i>Vigna lanceolata</i> var. <i>lanceolata</i>	x			
Papilionaceae	<i>Vigna lanceolata</i> var. <i>latifolia</i>	x			
Papilionaceae	<i>Zornia chaetophora</i>	x			
Papilionaceae	<i>Zornia muelleriana</i> subsp. <i>congesta</i>	x	x		
Plumbaginaceae	<i>Muellerolimon salicorniaceum</i>	x	x	x	x
Poaceae	<i>Aristida contorta</i>	x			
Poaceae	<i>Aristida holathera</i>	x			
Poaceae	<i>Aristida holathera</i> var. <i>holathera</i>	x		x	
Poaceae	<i>Aristida holathera</i> var. <i>latifolia</i>	x			
Poaceae	<i>Aristida inaequiglumis</i>	x			
Poaceae	<i>Aristida ingrata</i>	x			
Poaceae	<i>Aristida</i> sp.	x			
Poaceae	<i>Cenchrus ciliaris</i>	x	x	x	x
Poaceae	<i>Cenchrus setiger</i>			x	x
Poaceae	<i>Chloris pumilio</i>	x			
Poaceae	<i>Chloris virgata</i>	x		x	x
Poaceae	<i>Chrysopogon fallax</i>	x	x		
Poaceae	<i>Cynodon dactylon</i>				x
Poaceae	<i>Dactyloctenium radulans</i>	x		x	x
Poaceae	<i>Digitaria brownii</i>	x		x	
Poaceae	<i>Digitaria ciliaris</i>	x			
Poaceae	<i>Diplachne fusca</i> subsp. <i>fusca</i>	x			

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Poaceae	<i>Elytrophorus spicatus</i>	x			
Poaceae	<i>Enneapogon polyphyllus</i>	x			
Poaceae	<i>Eragrostis</i> aff. <i>eriopoda</i> (WAS site 963)	x			
Poaceae	<i>Eragrostis cumingii</i>	x			
Poaceae	<i>Eragrostis dielsii</i>	x			
Poaceae	<i>Eragrostis elongata</i>	x			
Poaceae	<i>Eragrostis eriopoda</i>				x
Poaceae	<i>Eragrostis falcata</i>	x	x	x	
Poaceae	<i>Eragrosia setifolia</i>			x	
Poaceae	<i>Eragrostis</i> sp.	x			
Poaceae	<i>Eragrostis speciosa</i>	x			
Poaceae	<i>Eragrostis tenellula</i>	x			
Poaceae	<i>Eragrostis xerophila</i>	x	x		
Poaceae	<i>Eriachne</i> aff. <i>benthamii</i>		x		
Poaceae	<i>Eriachne aristidea</i>	x	x		
Poaceae	<i>Eriachne benthamii</i>	x			
Poaceae	<i>Eriachne flaccida</i>		x		
Poaceae	<i>Eriachne helmsii</i>	x			
Poaceae	<i>Eriachne mucronata</i> (typical form)	x			
Poaceae	<i>Eriachne obtusa</i>	x	x	x	x
Poaceae	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	x			
Poaceae	<i>Eriachne</i> sp.	x			
Poaceae	<i>Eriachne</i> sp. Port Hedland	x			
Poaceae	<i>Eriachne sulcata</i>	x			
Poaceae	<i>Eulalia aurea</i>	x			
Poaceae	<i>Panicum decompositum</i>	x	x	x	x
Poaceae	<i>Paraneurachne muelleri</i>	x			
Poaceae	<i>Paspalidium rarum</i>	x		x	
Poaceae	<i>Paspalidium tabulatum</i>		x		
Poaceae	<i>Perotis rara</i>	x			
Poaceae	<i>Schizachyrium fragile</i>	x			
Poaceae	<i>Setaria verticillata</i>	x			
Poaceae	<i>Sorghum plumosum</i>	x		x	
Poaceae	<i>Spinifex longifolius</i>	x			
Poaceae	<i>Sporobolus actinocladius</i>	x			
Poaceae	<i>Sporobolus australasicus</i>	x	x		
Poaceae	<i>Sporobolus mitchellii</i>			x	
Poaceae	<i>Sporobolus virginicus</i>	x			x
Poaceae	<i>Themeda triandra</i>	x			
Poaceae	<i>Triodia basedowii</i>		x		
Poaceae	<i>Triodia epactia</i>	x		x	x
Poaceae	<i>Triodia lanigera</i>	x		x	
Poaceae	<i>Triodia longiceps</i>	x			
Poaceae	<i>Triodia pungens</i>	x	x		x
Poaceae	<i>Triodia schinzii</i>	x	x		
Poaceae	<i>Triodia secunda</i>	x	x	x	x
Poaceae	<i>Triodia</i> sp.	x			

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Poaceae	<i>Urochloa holosericea</i> subsp. <i>velutina</i>	x			
Poaceae	<i>Whiteochloa airoides</i>	x			
Poaceae	<i>Yakirra australiensis</i> var. <i>australiensis</i>	x			
Polygalaceae	<i>Polygala linariifolia</i>	x		x	
Portulacaceae	<i>Calandrinia pumila</i>	x			
Portulacaceae	<i>Calandrinia quadrivalvis</i>	x			
Portulacaceae	<i>Calandrinia</i> sp.	x			
Portulacaceae	<i>Calandrinia</i> sp. Pinga (T.R. Lally TRL 722)	x		x	
Portulacaceae	<i>Portulaca conspicua</i>	x			
Portulacaceae	<i>Portulaca oleracea</i>	x	x		x
Portulacaceae	<i>Portulaca pilosa</i>	x		x	
Proteaceae	<i>Grevillea pyramidalis</i>	x	x		
Proteaceae	<i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>	x			
Proteaceae	<i>Grevillea pyramidalis</i> subsp. <i>pyramidalis</i>	x			
Proteaceae	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	x			
Proteaceae	<i>Hakea lorea</i>		x		
Proteaceae	<i>Hakea lorea</i> subsp. <i>lorea</i>	x			
Rhizophoraceae	<i>Ceriops tagal</i>	x			
Rhizophoraceae	<i>Rhizophora stylosa</i>		x	x	
Rubiaceae	<i>Dentella minutissima</i>	x	x		
Rubiaceae	<i>Oldenlandia galioides</i>	x			
Rubiaceae	<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	x			
Santalaceae	<i>Santalum lanceolatum</i>	x	x	x	
Sapindaceae	<i>Atalaya hemiglauca</i>	x	x		
Sapindaceae	<i>Dodonaea concinna</i>	x			
Sapindaceae	<i>Dodonaea coriacea</i>	x	x		
Scrophulariaceae	<i>Mimulus gracilis</i>	x			
Scrophulariaceae	<i>Stemodia grossa</i>	x		x	x
Scrophulariaceae	<i>Stemodia lathraia</i>	x			
Solanaceae	<i>Solanum cleistogamum</i>	x			
Solanaceae	<i>Solanum cunninghamii</i>	x			
Solanaceae	<i>Solanum diversiflorum</i>	x	x	x	x
Solanaceae	<i>Solanum ellipticum</i>			x	x
Solanaceae	<i>Solanum lasiophyllum</i>	x	x		
Solanaceae	<i>Solanum phlomoides</i>	x		x	
Solanaceae	<i>Solanum</i> sp.	x			
Stackhousiaceae	<i>Stackhousia intermedia</i>	x			
Sterculiaceae	<i>Keraudrenia nephrosperma</i>	x			
Sterculiaceae	<i>Melhania oblongifolia</i>			x	x
Sterculiaceae	<i>Melhania</i> sp. Cape Preston (M77-10)	x			
Sterculiaceae	<i>Waltheria indica</i>	x		x	
Stylidiaceae	<i>Stylidium desertorum</i>	x			

Family	Species	OHD	Mattiske 1994	Biota 2007	Biota 2008
Thymelaeaceae	<i>Pimelea ammocharis</i>	x	x	x	
Tiliaceae	<i>Corchorus</i> aff. <i>incanus</i>	x			
Tiliaceae	<i>Corchorus elachocarpus</i>	x			
Tiliaceae	<i>Corchorus incanus</i> subsp. <i>incanus</i>	x		x	x
Tiliaceae	<i>Corchorus walcottii</i>		x		
Tiliaceae	<i>Triumfetta</i> aff. <i>chaetocarpa</i> (HD123)	x		x	
Tiliaceae	<i>Triumfetta</i> aff. <i>chaetocarpa</i> (PAN3/4)	x			
Tiliaceae	<i>Triumfetta chaetocarpa</i>	x			
Tiliaceae	<i>Triumfetta ramosa</i>		x		
Verbenaceae	<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>	x			
Violaceae	<i>Hybanthus aurantiacus</i>	x	x	x	x
Zygophyllaceae	<i>Tribulopsis angustifolia</i>	x			
Zygophyllaceae	<i>Tribulus ?occidentalis</i>		x		
Zygophyllaceae	<i>Tribulus occidentalis</i>	x			
Zygophyllaceae	<i>Tribulus</i> sp.	x			

PHOHD

Current survey

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Biota (2007)

Utah Point Berth Project, Port Hedland Port Authority, Unpublished report for Sinclair Knight Merz and the Port Hedland Port Authority.

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