MC20Q	24
Staff	JLT Date 18/04/2020 Season E
Revisit	
Туре	Q 50 m x 50 m
Location	
MGA Zone	51 202985 mE 7609989 mN Lat21.5884 Long. 120.1316
Habitat	Flat
Aspect	N/A Slope N/A
Soil Type	Brown clay loam
Rock Type	Ironstone / BIF
Loose Rock	10-20 % cover; 2-6 mm in size Litter <1 % cover ; <1 cm in depth
Bare ground	30 % cover Weeds 0 % cover
Vegetation	M+ ^Acacia monticola,^Hakea lorea subsp. lorea\^shrub\4\c;G ^Triodia epactia,^Eriachne lanata\^hummock grass,tussock grass\1\c
Veg. Conditio	on Very Good
Disturbance	
Fire Age	>5 years
Notes	Disturbed by old drill pads



Species	WA Cons.	Height (m)	Cover (%)	Count
Acacia acradenia		1.3	<1	
Acacia bivenosa		.2	<1	
Acacia monticola		2.4	22	
Corchorus parviflorus		.35	<1	
Dampiera candicans		.4	<1	

Eriachne Ianata	.3	65
Evolvulus alsinoides var. villosicalyx	.1	<1
Goodenia stobbsiana	.2	0.2
Grevillea wickhamii	1.8	0.2
Hakea lorea subsp. lorea	3	1
Hibiscus coatesii	.4	<1
Indigofera monophylla	.4	<1
Ptilotus calostachyus	.4	<1
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	.3	<1
Triodia epactia	.4	8
Triumfetta maconochieana	.4	<1

MC20Q	25	
Staff	JLT Date 12/04/2020 Season E	
Revisit		
Туре	Q 50 m x 50 m	
Location		
MGA Zone	1 195876 mE 7607806 mN Lat21.6069 Long. 120.0626	3
Habitat	Flat	
Aspect	N/A Slope N/A	
Soil Type	Black haemotite over pale brown silt	
Rock Type	Haemotite	
Loose Rock	10-20 % cover; 2-6 mm in size Litter <1 % cover ; <1 cm in depth	
Bare ground	50 % cover Weeds 0 % cover	
Vegetation	U ^Corymbia hamersleyana\^tree\6\bi;M ^Acacia inaequilatera\^shrub\4\bi;G+ ^ <i>Triodia</i> epactia\^hummock grass\1\c	
Veg. Conditio	n Excellent	
Disturbance		
Fire Age	>5 years	
Notes		





Species	WA Cons.	Height (m)	Cover (%)	Count
Acacia bivenosa		1.3	<1	
Acacia eriopoda		1	<1	
Acacia inaequilatera		3	1	
Acacia monticola x trachycarpa		.8	<1	
Acacia orthocarpa		2.5	<1	

Acacia pyrifolia var. pyrifolia	1	<1
Alysicarpus muelleri	.2	<1
Aristida hygrometrica	.2	<1
Bonamia pilbarensis	.05	<1
Bulbostylis barbata	.1	<1
Corchorus parviflorus	.4	<1
Corymbia hamersleyana	6	1
Eriachne pulchella subsp. dominii	.05	<1
Fimbristylis dichotoma	.2	<1
Goodenia microptera	.10	<1
Goodenia triodiophila	.3	<1
Gossypium australe	.3	<1
Indigofera linifolia	.1	<1
Rhynchosia minima	.15	<1
Senna glutinosa subsp. glutinosa	1	<1
Senna symonii	1	<1
Triodia epactia	.4	35
Triodia longiceps	.3	<1

MC20Q	26						
Staff	JLT	Date	14/04/2020	Seaso	n E		
Revisit							
Туре	Q 50 m x 50 m						
Location							
MGA Zone 5	51 204 <sup>-</sup>	122 <b>mE</b>	7612540 <b>mN</b>	Lat.	-21.5656	Long.	120.1430
Habitat	Crest						
Aspect	W		Slope Mod	erate			
Soil Type	Brown/orange (	Clay sand					
Rock Type	Quartz/ironston	е					
Loose Rock	>90 % cover;	2-6 m	m in size	Litter	<1 % cover ;	<1 cm in dept	th
Bare ground	70 % cover	Weeds	0 % cover				
Vegetation	• •	•	ia subsp. leucophlo rizoides,Eriachne				
Veg. Conditio	n Excellent						
Disturbance							
Fire Age	>5 years						
Nataa							

#### Notes



Species	WA Cons.	Height (m)	Cover (%)	Count
Acacia bivenosa		0.4	<1	
Acacia inaequilatera		2	<1	
Acacia ptychophylla		0.6	3	
Acacia pyrifolia var. pyrifolia		0.8	<1	
Corchorus parviflorus		0.3	<1	

Cymbopogon ambiguus	0.6	<1
Enneapogon lindleyanus	0.2	<1
Eriachne mucronata	0.3	<1
Eriachne mucronata	0.5	3
Eucalyptus leucophloia subsp. leucophloia	6	4
Evolvulus alsinoides var. decumbens	0.2	<1
Evolvulus alsinoides var. villosicalyx	0.1	<1
Fimbristylis dichotoma	0.3	<1
Gossypium australe	0.4	<1
Grevillea wickhamii	0.2	<1
Hakea chordophylla	0.5	<1
Hibiscus sturtii var. campylochlamys	0.2	<1
Hybanthus aurantiacus	0.2	<1
Indigofera monophylla	0.5	<1
Ptilotus calostachyus	0.5	<1
Rhynchosia minima	0.2	<1
Scaevola spinescens	0.2	<1
Senna glutinosa subsp. glutinosa	0.8	<1
Senna glutinosa subsp. x luerssenii	0.5	<1
Senna symonii	0.6	<1
Senna symonii	0.2	<1
Sida echinocarpa	0.3	<1
Sida fibulifera	0.2	<1
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.3	<1
<i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)	0.1	<1
Tribulus suberosus	0.2	<1
Trigastrotheca molluginea	0.1	<1
Triodia brizoides	0.3	17
Triodia epactia	0.3	30

MC20Q	27			
Staff	JLT Date	15/04/2020	Season E	
Revisit				
Туре	Q 100 m x 25 m			
Location				
MGA Zone	51 201267 <b>mE</b>	7603134 <b>mN</b>	Lat21.6500 Long. 12	20.1138
Habitat	Creek			
Aspect	N/A	Slope N/A		
Soil Type	Brown sandy clay			
Rock Type	Ironstone			
Loose Rock	50-90 % cover; 2-6 r	mm in size	Litter <1 % cover ; <1 cm in depth	
Bare ground	30 % cover Weeds	20 % cover		
Vegetation	U+ ^Eucalyptus victrix\^tre ^Cenchrus ciliaris,^Cenchr		<i>nycarpa,Melaleuca glomerata</i> ∖^shrub∖4\r;G rass\1\i	
Veg. Conditio	on Degraded			
Disturbance				
Fire Age	5 - 10 years			
Notes				

#### Notes



Species	WA Cons.	Height (m)	Cover (%)	Count
Acacia acradenia		1.2	<1	
Acacia adsurgens		.8	<1	
Acacia coriacea		1	0.5	
Acacia coriacea subsp. pendens		2	<1	
Acacia pyrifolia var. pyrifolia		1.5	<1	

Acacia trachycarpa	2.5	1.5
Atalaya hemiglauca	2	2
Boerhavia coccinea	.15	<1
*Cenchrus ciliaris	.3	20
*Cenchrus setiger	0.4	1
Cleome viscosa	0.25	<1
Corchorus crozophorifolius	.4	<1
Corchorus parviflorus	1.2	<1
Cymbopogon ambiguus	.5	<1
Cyperus bifax	.8	<1
Eriachne mucronata	.4	<1
Eucalyptus victrix	15	3
Euphorbia sp.	.15	<1
Gossypium australe	.7	<1
Hybanthus aurantiacus	.15	<1
Melaleuca glomerata	2	3
Phyllanthus maderaspatensis	.2	<1
Santalum lanceolatum	1.2	<1
Scaevola amblyanthera var. centralis	.15	<1
Scaevola spinescens	1	<1
Tephrosia rosea var. clementii	.3	<1
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)	.05	<1
Themeda triandra	.3	<1

APPENDIX FIVE

**DBCA REPORT FORMS** 



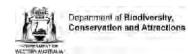
Version 1.3 August 2017

Please complete as much of the form as possible, with emphasis on those sections bordered in black. For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at <a href="http://dpaw.wa.gov.au/">http://dpaw.wa.gov.au/</a> under Standard Report Forms

TAXON: Acacia aphan	oclada			TP	FL Pop. No:	
	15/04/2020	CONSE	ERVATION STATU		New populat	tion
OBSERVER/S: James	s Tsakalos			PHONI :	<b>E</b> 9430 8955	
ROLE: Senior Environme	ental Scientist	ORGAN	SATION: Ecosca	ape (Australia) Pty	Ltd	
DESCRIPTION OF LOCATIO	<b>N</b> (Provide at least neare	st town/named locality, a	nd the distance and direct	ion to that place):		
South of Atlas Iron McPhee	e Creek tenements	<u> </u>				
Approximately 24 km north	of Nullagine, appr	roximately 4 km e	ast of Nullagine-M	arble Bar Road		
Coordinates below are rep				Res	erve No:	
DBCA DISTRICT: Pilbara R	-			Land manage	er present:	
						- —
	-	egMinSec □ U <sup>-</sup>	_			1ap 🗌
AGD84 / AMG84	/ Northing: 7602	439.817		satellites:	Map used:	
	g / Easting: 2004	40.832		ndary polygon tured:	Map scale:	
Unknown 🗌	<b>ZONE</b> : 51					
LAND TENURE:						
Nature reserve	Timber reserve	Private propert	у 🗆	Rail reserve		I reserve
National park	State forest	Pastoral leas		road reserve	Other Crown	
Conservation park	Water reserve	UC	L SLK/Pole	to	Specify other:	
AREA ASSESSMENT:       Edge survey       Partial survey       Full survey       Area observed (m <sup>2</sup> ):         EFFORT:       Time spent surveying (minutes):       No. of minutes spent / 100 m <sup>2</sup> :         POP'N COUNT ACCURACY:       Actual       Extrapolation       Estimate       Count method:         (Refer to field manual for list)       Image: Count method:       Image: Count method:       Image: Count method:						
WHAT COUNTED:	Plants 🛛	Clumps	Clonal stems	I	I	
TOTAL POP'N STRUCTURE:	Mature:	Juveniles:	Seedlings:	Totals:		
Alive	2,000+				Area of pop (m <sup>2</sup> )	
Dead					Note: Pls record cour (not percentages) for	
QUADRATS PRESENT:	No	Size	Data attached	Total area	of quadrats (m <sup>2</sup> ):	
Summary Quad. Totals: Alive						
REPRODUCTIVE STATE:	Clonal	Vegetative	Flowerbud	Flo	wer	
Immat	ure fruit	Fruit	Dehisced fruit	Percentag	e in flower:%	, D
CONDITION OF PLANTS:	Healthy 🛛	Moderate	Poor	Senes	cent 🗌	
Equiper too frequent fire, weed, disease, Refer to field manual for list of threats & agents, Specify agent where relevant impact Impact Threat						Potential Threat Onset (S-L)
•						
					—   ——	
•						
					-	
•						

Please return completed form to Species And Communities Branch DBCA,

Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: flora.data@dbca.wa.gov.au RECORDS: Please forward to Flora Administrative Officer, Species and Communities Branch. Record entered by:\_\_\_\_\_\_ Sheet No.:\_\_\_\_\_ Record Entered in Database □



Version 1.3 August 2017

HABITAT INFORMATI	ON:							
LANDFORM:	ROCK TYPE:	LOOSE ROCK:	SOIL TYPE:	SOIL COLOUR:	DRAINAGE:			
Crest 🗌	Granite 🗌	(on soil surface; eg gravel, quartz fields)	Sand	Red 🛛	Well drained 🛛			
Hill 🖂	Dolerite	graver, quartz rielus)	Sandy loam 🗌	Brown 🛛	Seasonally			
Ridge 🗌	Laterite	0-10% 🗌	Loam 🗌	Yellow	inundated			
Outcrop	Ironstone	10-30%	Clay loam 🗌	White 🗌	Permanently inundated			
Slope 🗌	Limestone	30-50%	Light clay 🗌	Grey 🗌	Tidal			
Flat	Quartz	50-100%	Peat	Black				
Open depression	Specify other:		Specify other:	Specify other:				
Drainage line								
Closed depression	Specific Landfor	m Element:						
Wetland	(Refer to field manual for							
CONDITION OF SOIL:	Dry 🛛	Moist	Waterlogged	Inundated				
VEGETATION CLASSIFICATION*:	1. Corymbia hamers	eleyana and Eucalyptu	s leucophloia subsp	. leucophloia low wo	odland			
Eg: 1. Banksia woodland (B.	2. Acacia inaequilate	era, A. bivenosa and I	ndigofera monophyl	la low isolated shrub	land			
attenuata, B. ilicifolia); 2. Open shrubland	3. Triodia epactia lov	3. Triodia epactia low hummock grassland						
<ul> <li>(Hibbertia sp., Acacia spp.);</li> <li>3. Isolated clumps of sedges (Mesomelaena tetragona)</li> </ul>	4.							
ASSOCIATED								
SPECIES:								
Other (non-dominant) spp * Please record up to four of the	most representative vegetatio	n layers (with up to three domir	nant species in each layer). S	Structural Formations should	follow 2009 Australian Soil			
and Land Survey Field Handboo	ok guidelines – refer to field ma	anual for further information and	I structural formation table.					
CONDITION OF HABITAT	<b>I:</b> Pristine	Excellent Very go	ood 🗌 Good 🗌	Degraded 🗌 Co	mpletely degraded			
	ast Fire: Season/Month	Year:	Fire Intensity: Hi	ah ☐ Medium ☐ Low	No signs of fire			
FENCING:	Not required		ce / repair	-	ngth req'd:			
ROADSIDE MARKERS:	Not required	Present Replac	ce / reposition		antity req'd:			
		nended management act ilable, and how to locate		ted actions - include				
should be recorded above in the	and licening requirements see the OTHER COMMENTS section	the Threatened Flora and Wildli	fe Licensing pages on DBCA		ed out under licence/permit			
	ors No:	WA Herb. 🗌 Regior	nal Herb. 🗌 District	Herb. D Other:				
ATTACHED: Map		Photo GIS data		Other:				
	egional Office		Other:	Date: 15/07/202	20			
Submitter of Record: Ly	TAININS KOIE: Pr	incipal Ecologist_ S	Signed:	Date: 15/07/202	.0			

Please return completed form to **Species And Communities Branch** DBCA, Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au **RECORDS:** Please forward to **Flora Administrative Officer**, Species and Communities Branch.

Sheet No.:\_\_\_\_\_ Record Entered in Database

Record entered by:\_\_\_



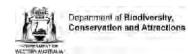
Version 1.3 August 2017

Please complete as much of the form as possible, with emphasis on those sections bordered in black. For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at <a href="http://dpaw.wa.gov.au/">http://dpaw.wa.gov.au/</a> under Standard Report Forms

	dscendens var. l				FL Pop. No:						
OBSERVATION DATE:	10/04/2020	CONS	ERVATION STATU	<b>JS:</b> P3	New population						
OBSERVER/S: James	s Tsakalos			PHONE :	9430 8955						
ROLE: Senior Environme	ental Scientist	ORGAN	ISATION: Ecosca	ape (Australia) Pty	Ltd						
DESCRIPTION OF LOCATIO	N (Provide at least near	rest town/named locality, a	and the distance and direct	ion to that place):							
South of Atlas Iron McPhee	e Creek tenemen	ts									
Approximately 26 km north	of Nullagine, app	proximately 4 km e	ast of Nullagine-M	arble Bar Road							
				Res	erve No:						
DBCA DISTRICT: Pilbara R	-	LGA: East Pi			er present:						
		A coords provided, <b>Zone</b> is regMinSec U		THOD USED: BPS ⊠ Differen	tial GPS 🔲 🛛 Map 🗌						
	/Northing: 760	-	-	satellites:	· ·						
				indary polygon							
WGS84 🗌 Lon Unknown 🗌	g / Easting: 203	879.67		tured:	Map scale:						
	<b>ZONE</b> : 51										
	Timber monto 🗖		• <b>[</b> ]		Shire read records						
Nature reserve	Timber reserve State forest	Private proper Pastoral leas	<i>,</i> _	Rail reserve	Shire road reserve						
Conservation park	Water reserve			to	Specify other:						
AREA ASSESSMENT: Edg		rtial survey X Fi		a observed (m <sup>2</sup> ).							
-	spent surveying (mi	-	No. of minut								
			Estimate	Count method:							
(Refer to field manual for list)											
MULAT COUNTED.			·	o field manual for list)							
WHAT COUNTED:	Plants 🛛	Clumps	Clonal stems	1							
TOTAL POP'N STRUCTURE:	Mature:	Clumps  Juveniles:	·	Totals:	Area of non (m <sup>2</sup> ):						
TOTAL POP'N STRUCTURE: Alive	1 —	1 .	Clonal stems	1	Area of pop (m <sup>2</sup> ):						
TOTAL POP'N STRUCTURE: Alive Dead	Mature: 2	Juveniles:	Clonal stems  Seedlings:	Totals:	Note: Pls record count as numbers (not percentages) for database.						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT:	Mature:	1 .	Clonal stems	Totals:	Note: Pls record count as numbers						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive	Mature:           2           No.	Juveniles:       Size	Clonal stems  Seedlings: Data attached	Totals:	Note: PIs record count as numbers (not percentages) for database. of quadrats (m <sup>2</sup> ):						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE:	Mature:           2           No.	Juveniles:	Clonal stems  Seedlings:	Totals:	Note: PIs record count as numbers (not percentages) for database. of quadrats (m <sup>2</sup> ):						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immat	Mature:           2           No           Clonal	Juveniles:       Size       Vegetative       Fruit	Clonal stems  Seedlings: Data attached Flowerbud Dehisced fruit	Totals:	Note: PIs record count as numbers (not percentages) for database. of quadrats (m <sup>2</sup> ): wer e in flower:%						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immat	Mature:           2           No.	Juveniles:       Size       Vegetative	Clonal stems  Seedlings: Data attached Flowerbud	Totals:	Note: PIs record count as numbers (not percentages) for database. of quadrats (m <sup>2</sup> ):						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immate CONDITION OF PLANTS: COMMENT:	Mature: 2 No Clonal ure fruit Healthy	Juveniles:       Size       Vegetative       Fruit       Moderate	Clonal stems  Seedlings: Data attached Flowerbud Dehisced fruit	Totals: Total area Flo Percentag Seneso	Note: PIs record count as numbers (not percentages) for database. of quadrats (m <sup>2</sup> ): wer e in flower:% cent						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immate CONDITION OF PLANTS: COMMENT: THREATS - type, agent and	Mature: 2 No Clonal ure fruit Healthy Supporting inform	Juveniles:       Size       Size       Vegetative       Fruit       Moderate	Clonal stems  Seedlings: Seedlings: Data attached Flowerbud Dehisced fruit Poor	Totals: Total area Flo Percentag Seneso Curre	Note: Pls record count as numbers (not percentages) for database.         of quadrats (m²):         wer         e in flower:        %         cent         Potential         Impact						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immate CONDITION OF PLANTS: COMMENT: THREATS - type, agent and Eg clearing, too frequent fire, weed, di Rate current and potential threat	Mature:         2         No         Clonal □         ure fruit □         Healthy ⊠         supporting inform         sease. Refer to field mar         impact: N=Nil, L=Low, M	Juveniles:         Size         Size         Vegetative         Fruit         Moderate         nation:         nual for list of threats & ag         =Medium, H=High, E=Ext	Clonal stems  Seedlings: Seedlings: Data attached Clonal stems Poor  Poor  ents. Specify agent where reme	Totals: Total area Flo Percentag Seneso Curre	Note: Pls record count as numbers (not percentages) for database.         of quadrats (m²):         wer         e in flower:      %         cent      %         ent       Potential Impact       Potential Threat         c)       (L-E)       Onset						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immate CONDITION OF PLANTS: COMMENT: THREATS - type, agent and Eg clearing, too frequent fire, weed, di Rate current and potential threat Estimate time to potential impact	Mature:         2         No         Clonal □         ure fruit □         Healthy ⊠         supporting inform         sease. Refer to field mar         impact: N=Nil, L=Low, M	Juveniles:         Size         Size         Vegetative         Fruit         Moderate         nation:         nual for list of threats & ag         =Medium, H=High, E=Ext	Clonal stems  Seedlings: Seedlings: Data attached Clonal stems Poor  Poor  ents. Specify agent where reme	Totals: Total area Flo Percentag Seneso seneso	Note: Pls record count as numbers (not percentages) for database.         of quadrats (m²):         wer         e in flower:       %         cent       Potential         Impact       Potential         Threat						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immate CONDITION OF PLANTS: COMMENT: THREATS - type, agent and Eg clearing, too frequent fire, weed, di Rate current and potential threat	Mature:         2         No         Clonal □         ure fruit □         Healthy ⊠         supporting inform         sease. Refer to field mar         impact: N=Nil, L=Low, M	Juveniles:         Size         Size         Vegetative         Fruit         Moderate         nation:         nual for list of threats & ag         =Medium, H=High, E=Ext	Clonal stems  Seedlings: Seedlings: Data attached Clonal stems Poor  Poor  ents. Specify agent where reme	Totals: Total area Flo Percentag Seneso seneso	Note: Pls record count as numbers (not percentages) for database.         of quadrats (m <sup>2</sup> ):         wer%         e in flower:%         cent         Potential Impact (L-E)       Potential Threat Onset						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immati CONDITION OF PLANTS: COMMENT: THREATS - type, agent and Eg clearing, too frequent fire, weed, di Rate current and potential threat Estimate time to potential impact:	Mature:         2         No         Clonal □         ure fruit □         Healthy ⊠         supporting inform         sease. Refer to field mar         impact: N=Nil, L=Low, M	Juveniles:         Size         Size         Vegetative         Fruit         Moderate         nation:         nual for list of threats & ag         =Medium, H=High, E=Ext	Clonal stems  Seedlings: Seedlings: Data attached Clonal stems Poor  Poor  ents. Specify agent where reme	Totals: Total area Flo Percentag Seneso seneso	Note: Pls record count as numbers (not percentages) for database.         of quadrats (m <sup>2</sup> ):         wer%         e in flower:%         cent         Potential Impact (L-E)       Potential Threat Onset						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immate CONDITION OF PLANTS: COMMENT: THREATS - type, agent and Eg clearing, too frequent fire, weed, di Rate current and potential threat Estimate time to potential impact	Mature:         2         No         Clonal □         ure fruit □         Healthy ⊠         supporting inform         sease. Refer to field mar         impact: N=Nil, L=Low, M	Juveniles:         Size         Size         Vegetative         Fruit         Moderate         nation:         nual for list of threats & ag         =Medium, H=High, E=Ext	Clonal stems  Seedlings: Seedlings: Data attached Clonal stems Poor  Poor  ents. Specify agent where reme	Totals: Total area Flo Percentag Seneso seneso	Note: Pls record count as numbers (not percentages) for database.         of quadrats (m²):         wer         e in flower:      %         cent      %         ent       Potential Impact       Potential Threat         e)       (L-E)       Onset						
TOTAL POP'N STRUCTURE: Alive Dead QUADRATS PRESENT: Summary Quad. Totals: Alive REPRODUCTIVE STATE: Immati CONDITION OF PLANTS: COMMENT: THREATS - type, agent and Eg clearing, too frequent fire, weed, di Rate current and potential threat Estimate time to potential impact:	Mature:         2         No         Clonal □         ure fruit □         Healthy ⊠         supporting inform         sease. Refer to field mar         impact: N=Nil, L=Low, M	Juveniles:         Size         Size         Vegetative         Fruit         Moderate         nation:         nual for list of threats & ag         =Medium, H=High, E=Ext	Clonal stems  Seedlings: Seedlings: Data attached Clonal stems Poor  Poor  ents. Specify agent where reme	Totals: Total area Flo Percentag Seneso seneso	Note: Pls record count as numbers (not percentages) for database.         of quadrats (m²):         wer         e in flower:      %         cent      %         ent       Potential Impact       Potential Threat         c)       (L-E)       Onset						

Please return completed form to Species And Communities Branch DBCA,

Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: flora.data@dbca.wa.gov.au RECORDS: Please forward to Flora Administrative Officer, Species and Communities Branch. Record entered by:\_\_\_\_\_\_ Sheet No.:\_\_\_\_\_ Record Entered in Database □



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HABITAT INFORMATI	HABITAT INFORMATION:							
LANDFORM:	ROCK TYPE:	LOOSE ROCK:	SOIL TYPE:	SOIL COLOUR:	DRAINAGE:			
Crest	Granite	(on soil surface; eg gravel, quartz fields)	Sand	Red	Well drained			
Hill 🗌	Dolerite	graver, quariz rielus)	Sandy loam 🗌	Brown	Seasonally			
Ridge 🗌	Laterite	0-10% 🗌	Loam 🗌	Yellow				
Outcrop	Ironstone	10-30%	Clay loam 🗌	White	Permanently inundated			
Slope 🗌	Limestone	30-50%	Light clay 🗌	Grey 🗌	Tidal 🗌			
Flat	Quartz	50-100%	Peat	Black				
Open depression	Specify other:		Specify other:	Specify other:				
Drainage line 🛛	silcrete			<u> </u>				
Closed depression	Specific Landfori	<b>n</b> Element:						
Wetland	(Refer to field manual for							
CONDITION OF SOIL:	Dry 🛛	Moist	Waterlogged	Inundated				
VEGETATION CLASSIFICATION*:	1. Eucalyptus victrix	and Corymbia hamer	sleyana mid open w	oodland				
Eg: 1. Banksia woodland (B.	2. Acacia pyrifolia, A	cacia trachycarpa and	d Acacia tumida var.	pilbarensis tall shrub	land			
attenuata, B. ilicifolia); 2. Open shrubland (Hibbertia sp., Acacia spp.) ;	3. *Cenchrus ciliaris, grassland/sedgeland	, Triodia longiceps and d	d Cyperus vaginata	low tussock grassland	d/hummock			
<ol> <li>Isolated clumps of sedges (Mesomelaena tetragona)</li> </ol>	4.							
ASSOCIATED								
SPECIES: Other (non-dominant) spp								
* Please record up to four of the	most representative vegetation			Structural Formations should for	ollow 2009 Australian Soil			
and Land Survey Field Handbo	_							
CONDITION OF HABITA COMMENT: Growin	r: Pristine □ ng on edge of stream	Excellent Very go	ood 🗌 🛛 Good 🖾	Degraded 🗌 Com	pletely degraded			
	ast Fire: Season/Month:	Year:	Fire Intensity: Hi	ah 🗌 Medium 🔲 Low [	☐ No signs of fire □			
FENCING:	Not required		 ce / repair	-	gth req'd:			
ROADSIDE MARKERS:	Not required	— 1	ce / reposition		ntity req'd:			
OTHER COMMENTS: (Please include recommended management actions and/or implemented actions - include								
	Is of additional data ava							
DRF PERMIT/ LICENCE No: FB62000163 Note if only observing plants (i.e. no specimens or plant matieral is taken) then no permit/licence is required. For further information on permit and licening requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under licence/permit should be recorded above in the OTHER COMMENTS section.								
SPECIMEN: Collect	ors No:	WA Herb. 🗌 Region	nal Herb. 🗌 District	Herb. D Other:				
ATTACHED: Map	🗌 Mudmap 🗌	Photo GIS data	Field notes	Other:				
	egional Office 🔲	District Office	Other:					
Submitter of Record: Ly	n Atkins_ Role: Pri	incipal Ecologist_S	Signed:	Date: 15/07/2020	0			

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Please complete as much of the form as possible, with emphasis on those sections bordered in black. For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at <a href="http://dpaw.wa.gov.au/">http://dpaw.wa.gov.au/</a> under Standard Report Forms

TAXON: Ptilotus mollis				TP	FL Pop. No:	
OBSERVATION DATE:	18/04/2020	CONSE	RVATION STATU		New populati	ion 🗌
OBSERVER/S: Jame	s Tsakalos			PHONE :	9430 8955	
ROLE: Senior Environm	ental Scientist	ORGANI	SATION: Ecosca	pe (Australia) Pty	Ltd	
DESCRIPTION OF LOCATIO	<b>N</b> (Provide at least near	rest town/named locality, ar	nd the distance and direction	on to that place):		
Atlas Iron McPhee Creek t	enements					
Approximately 32 km north	of Nullagine, app	proximately 5 km ea	ast of Nullagine-Ma	arble Bar Road		
	-				erve No:	
DBCA DISTRICT: Pilbara R	-	LGA: East Pill			er present:	
		A coords provided, <b>Zone</b> is egMinSec U		<b>HOD USED:</b> PS ⊠ Different	tial GPS 🔲 🛛 M	ap 🗌
GDA94 / MGA94 🛛 📃 Lat	t / Northing: 760	•		satellites:		-
AGD84 / AMG84				ndary polygon		
WGS84 🗌 Lon Unknown 🗍	g / Easting: 202	994.259		ured:	Map scale:	
	<b>ZONE</b> : 51					
	<b>-</b>		-	S "	Shiro road	
Nature reserve	Timber reserve  State forest	Private propert Pastoral lease		Rail reserve	Other Crown	reserve
Conservation park	Water reserve				Specify other:	
AREA ASSESSMENT:       Edge survey       Partial survey       Full survey       Area observed (m <sup>2</sup> ):          EFFORT:       Time spent surveying (minutes):       No. of minutes spent / 100 m <sup>2</sup> :          POP'N COUNT ACCURACY:       Actual       Extrapolation       Estimate       Count method:						
WHAT COUNTED:	Plants 🛛	Clumps	Clonal stems	field manual for list)		
TOTAL POP'N STRUCTURE:	Mature:	Juveniles:	Seedlings:	Totals:		
Alive	4		-		Area of pop (m <sup>2</sup> ):	: 25
Dead					Note: Pls record coun	t as numbers
QUADRATS PRESENT:	Mo	Size	Data attached	Total area	(not percentages) for of quadrats (m <sup>2</sup> ):	
Summary Quad. Totals: Alive	No				ol quadrats (m-j.	
REPRODUCTIVE STATE:	Clonal 🗌	Vegetative	Flowerbud	Flor	wer	
	ure fruit		Dehisced fruit	Percentage		
CONDITION OF PLANTS:         Healthy         Moderate         Poor         Senescent           COMMENT:						
Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. (N-E) (L-E) Onse					Potential Threat Onset (S-L)	
•						
					— — —	
•						
•						
-						

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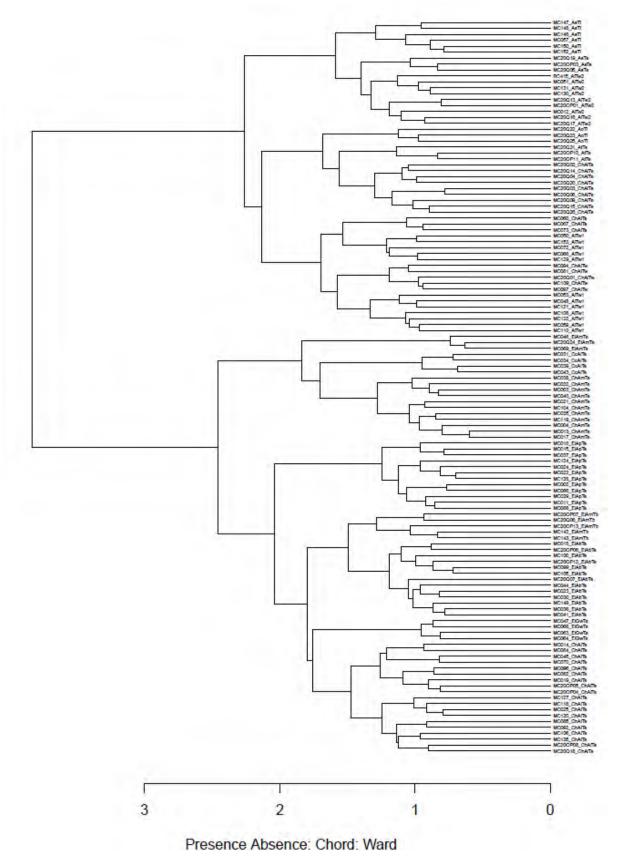
HABITAT INFORMATI	ON:						
LANDFORM:	ROCK TYPE:	LOOSE ROCK:	SOIL TYPE:	SOIL COLOUR:	DRAINAGE:		
Crest 🗌	Granite	(on soil surface; eg	Sand 🗌	Red 🗌	Well drained		
Hill 🗌	Dolerite	gravel, quartz fields)	Sandy loam 🗌	Brown	Seasonally		
Ridge 🗌	Laterite	0-10% 🗌	Loam 🗌	Yellow 🗌	inundated		
Outcrop	Ironstone		Clay loam 🗌	White	Permanently inundated		
Slope 🗌	Limestone	10-30%	Light clay 🔲	Grey 🗌	Tidal		
Flat 🗌	Quartz 🗌	30-50%	Peat	Black			
Open depression	Specify other:	50-100% 🗌	Specify other:	Specify other:			
Drainage line							
Closed depression	Specific Landfor	<b>m</b> Element:					
Wetland	(Refer to field manual for						
CONDITION OF SOIL:	Dry 🛛	Moist	Waterlogged	Inundated			
VEGETATION CLASSIFICATION*:		leyana and Eucalyptu		•			
Eg: 1. Banksia woodland (B.	2. Acacia inaequilate	era, A. bivenosa and I	ndigofera monophyl	la low isolated shrub	bland		
attenuata, B. ilicifolia); 2. Open shrubland	3. Triodia epactia lov	w hummock grassland	k				
<ul> <li>(Hibbertia sp., Acacia spp.);</li> <li>3. Isolated clumps of sedges (Mesomelaena tetragona)</li> </ul>	4.						
ASSOCIATED							
SPECIES: Other (non-dominant) spp							
* Please record up to four of the				Structural Formations should	follow 2009 Australian Soil		
and Land Survey Field Handboo	_						
CONDITION OF HABITAT	T: Pristine	Excellent 🛛 Very go	ood 🗌 Good 🗌	Degraded 🗌 Co	mpletely degraded		
	st Fire: Season/Month:	Year:	Fire Intensity: Hi	gh 🗌 Medium 🗌 🛛 Low	No signs of fire		
FENCING:	Not required	Present 🗌 Replace	ce / repair 🔲	Required 🗌 Le	ngth req'd:		
ROADSIDE MARKERS:	Not required	Present Replace	ce / reposition	Required Qu	antity req'd:		
	OTHER COMMENTS: (Please include recommended management actions and/or implemented actions - include date. Also include details of additional data available, and how to locate it.)						
should be recorded above in the	nd licening requirements see t he OTHER COMMENTS section	he Threatened Flora and Wildli	fe Licensing pages on DBCA	A's website. Any actions carr	•		
	ors No:	WA Herb. 🗌 Regior	nal Herb. 🗌 District	Herb. U Other: _			
ATTACHED: Map COPY SENT TO: Re	☐ Mudmap ☐ egional Office ☐	Photo GIS data District Office	Field notes   Other:	Other:			
Submitter of Record: Ly				Date: 15/07/202	20		
Cubinine of Record. Ly			Signed:	Date. 15/07/202	20		

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Record entered by:\_\_\_

# APPENDIX SIX FLORISTIC ANALYSIS DENDROGRAM



McPhee Creek Flora and Vegetation Survey

