



***Guichenotia asteriskos* (P2)**  
**Targeted Flora Surveys**  
**Cascade North**  
**Spring 2023**



Report by:

Julie Waters – BEnvSc, Environmental Coordinator  
Katherine Walkerden – BSc, MEnvSc, Environmental Officer



## Introduction

As a commitment to CPS 9524/1 and to provide further evidence to assess the impacts of CPS 10158/1 the Shire of Esperance undertook targeted flora surveys in the north eastern parts of the Shire in Spring 2023.

## Background

*Guichenotia asteriskos* was described in 2003 and was first found in the Esperance Shire by Shire of Esperance staff in 2020. The species has a large distribution range of 110km north-south and 200km east-west. Little work has been done on the species by DBCA, most likely due to the species occurring across their district boundaries. Prior to the work done recently by Shire of Esperance there were 21 Herbarium records and 4 TPFL records, many of these are duplicates from the same location and there was 14 unique recorded locations.

The Esperance populations are at the south eastern part of the species' range and this survey was to clarify its regional extent.

**Table 1.** Compiled population data of Priority 2 *Guichenotia asteriskos* from DBCA data

Site Description	Tenure	Population Count	Date	Sheet no. / Specimen no.
Gravel pit 7 km E from Lake King on the Lake King to Norseman Road	Road reserve	1 plant.	29/08/2016	8934843
Located <1 km (exact distance not recorded) W of Newdegate on the NE and SE corner of crossroads of Lake Grace - Newdegate Road and a gravel road	Road reserve	10-12 plants seen.	2/09/2007	8151849
Pingaring - Varley Road North, just W of intersection with Hollands Track	Road reserve		30/09/2004	6996604
Disused gravel pit off Floater Road 22 km N from Highway 1, Ravensthorpe	Road reserve	occasional.	2/09/2004	7113587
S Buniche Reserve	Nature Reserve		15/10/2003	7701713
W of Lake King, S of the Newdegate - Lake King Road	Road reserve	occasional.	20/09/1999	5593808 / TPFL Pop 3
Dunn Rock Nature Reserve, 26.2 km W along Old Newdegate Road from Ravensthorpe - Newdegate Road	Nature Reserve		26/09/1997	6018750

Dragon Rocks Nature Reserve, 31.5 km E from Pingaring - Pederah Road along Pingaring - Varley Road, S side of road	Nature reserve		20/09/1997	5912423
Hyden to Norseman Road, 7.6 km W of Flying Fox Mine Road	Road reserve		13/09/1997	7897111
SE corner Loc 2621, Bidy Camm Road Reserve	Road reserve	common.	18/09/1996	5362792/ TPFL Pop 4
2 km W of Newdegate	Road reserve	frequent.	19/10/1995	4413970/ TPFL Pop 1
1.7 km W of Newdegate	Road reserve		17/09/1995	6114563
1.7 km W of Newdegate	Road reserve		17/09/1995	6230962
1.7 km W of Newdegate, gravel track crossroad on both sides of the road	Road reserve		9/09/1994	6018696
1.7 km W of Newdegate, gravel track crossroad on both side of the road,	Road reserve		9/09/1994	5912350
1.7 km W of Newdegate - gravel track crossroads	Road reserve		9/09/1994	7972172
Western edge of township of Newdegate	Road reserve		28/09/1993	5912431
Dunn Rock Nature Reserve No. 36445. Internal firebreak No. 5.	Nature Reserve		7/10/1984	1078534/ TPFL Pop 2
At intersection of Lake King and Lake Varley roads, 270 miles from Perth	Road reserve		11/10/1965	2696835
2 miles W of Newdegate	Road reserve		12/10/1963	2696827
2 miles W of Newdegate	Road reserve		12/09/1963	3250253



**Figure 1.** Flower and leaves of P2, *Guichenotia asteriskos* found within 'CPS 9524 Site A – Cascade Road and Gravel Pits', taken by Katherine Walkerden on 28/09/2021.

## Results and Discussion

A targeted survey aiming to identify additional population of *Guichenotia asteriskos* was performed by Shire of Esperance botanists, Julie Waters and Katherine Walkerden on the 26/09/2023. A total of 107 plants were found over 5 new populations. 4 of these populations have now had Herbarium lodgment and TPRF forms (sent 03/10/2023) prepared. A fifth population consisting of a single very small plant could not be collected and has only had a TPRF form prepared.

In addition, several populations of *Grevillea aneura* were also collected while searching for additional populations of *Guichenotia asteriskos*, population counts were not performed on these new populations, but at each site the plant was common.

Populations were present in diverse myrtaceous and proteaceous heath with scattered mallee on gravelly soil. All populations were within chained vegetation or rehabilitated gravel pits.

A high search intensity was required to locate *Guichenotia asteriskos*, 4 of the 5 populations had finished flowering and were actively fruiting which increased the difficulty in locating the plants. This was despite the survey occurring at optimal time, based on when it was flowering in 2020 -2022.

A total of 14 locations were searched for *Guichenotia asteriskos* (Figure 1).

Five of the areas searched contained no new priority flora:

- West Point Road SLK 6.74
- West Point Road SLK 4.89
- West Point Road SLK 2.61

- Cascade Road SLK 82.41
- Rollond Road at SLK 71.77

At nine of the search locations priority flora was found. Results are in Table 2.

**Table 2.** New priority flora populations, with location and population counts.

Site	Taxon	Collector number	Constat	Total Plants
UCL, near Rollond Road at SLK 81.04	<i>Guichenotia asteriskos</i>	KSW03423	P2	16
Cascade Road Reserve at SLK 89.53	<i>Grevillea aneura</i>	KSW03523	P4	Locally common
Cascade Road Reserve at SLK 87.3 - 88.42. *Note this population occurred over several search areas.	<i>Grevillea aneura</i>	KSW03623	P4	Locally common
Cascade Road Reserve at SLK 87.90	<i>Guichenotia asteriskos</i>	Single plant was too small to sustainably collect material	P2	1
West Point Road Reserve at SLK 1.14	<i>Grevillea aneura</i>	KSW03723	P4	Locally common
West Point Road Reserve at SLK 1.14	<i>Guichenotia asteriskos</i>	KSW03823	P2	13
West Point Road Reserve at SLK 1.87	<i>Guichenotia asteriskos</i>	KSW03923	P2	4
West Point Road Reserve at SLK 4.28	<i>Grevillea aneura</i>	KSW04023	P4	Locally common
West Point Road Reserve at SLK 4.28	<i>Guichenotia asteriskos</i>	KSW04123	P2	73



**Figure 2.** Locations of new priority flora populations, new *Guichenotia asteriskos* populations in green, new *Grevillea aneura* populations in blue.

## Conclusion

*Guichenotia asteriskos* has a Priority 2 listing due to it being reasonably rare, but found in three nature reserves. The lack of data on this species is due to DBCA not prioritizing surveys for the species and contributed by its difficulty to locate when not flowering. It is highly likely that Ecoscape overlooked the species during their State Barrier Fence Biological surveys (Ecoscape, 2015), as the Shire of Esperance located a new plant along the new fence alignment which follows chained strategic firebreak for much of its existence. The species could easily be down listed with additional targeted survey work carried out by DBCA in suitable habitat.

**TPRF forms**  
**Guichenotia asteriskos**



Department of Biodiversity,  
Conservation and Attractions

**Threatened and Priority  
Flora Report Form**

Version 1.4 March 2021

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 [www.dbcwa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants](http://www.dbcwa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants)

TAXON: <u>Guichenotia asteriskos</u>	TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P2</u> <b>New population</b> <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>	PHONE <u>0418558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>	

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place):   
Cascade Road reserve at SLK 87.90.

Growing in rehabilitated gravel pit. Reserve No:

DBC DISTRICT: <u>Esperance</u>	LGA: <u>Esperance</u>	Land manager present: <input checked="" type="checkbox"/>
DATUM: <input checked="" type="checkbox"/> GDA94 / MGA94 <input type="checkbox"/> AGD84 / AMG84 <input type="checkbox"/> WGS84 <input type="checkbox"/> Unknown	COORDINATE S: (If UTM coords provided, Zone is also required) DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM's <input type="checkbox"/> Lat / Northing: <u>6317049</u> Long / Easting: <u>294388</u> ZONE: <u>51</u>	METHOD USED: GPS <input type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/> No. satellites: <input type="text"/> Map used: <input type="text"/> Boundary polygon captured: <input type="checkbox"/> Map scale: <input type="text"/>
LAND TENURE: <input type="checkbox"/> Nature reserve <input type="checkbox"/> Timber reserve <input type="checkbox"/> Private property <input type="checkbox"/> Rail reserve <input checked="" type="checkbox"/> Shire road reserve <input type="checkbox"/> National park <input type="checkbox"/> State forest <input type="checkbox"/> Pastoral lease <input type="checkbox"/> MRWA road reserve <input type="checkbox"/> Other Crown reserve <input type="checkbox"/> Conservation park <input type="checkbox"/> Water reserve <input type="checkbox"/> UCL <input type="checkbox"/> SLK/Pole <input type="text"/> to <input type="text"/> Specify other: <input type="text"/>		

AREA ASSESSMENT: <input type="checkbox"/> Edge survey <input type="checkbox"/> Partial survey <input checked="" type="checkbox"/> Full survey	Area observed (m <sup>2</sup> ): <input type="text"/>															
EFFORT: Time spent surveying (minutes): <input type="text"/>	No. of minutes spent / 100 m <sup>2</sup> : <input type="text"/>															
POP'N COUNT ACCURACY: <input type="checkbox"/> Actual <input type="checkbox"/> Extrapolation <input type="checkbox"/> Estimate	Count method: <input type="text"/> (Refer to field manual for list)															
WHAT COUNTED: <input type="checkbox"/> Plants <input type="checkbox"/> Clumps <input type="checkbox"/> Clonal stems																
TOTAL POP'N STRUCTURE:	Area of pop (m <sup>2</sup> ): <input type="text"/>															
<table border="1"> <tr> <td></td> <td>Mature:</td> <td>Juveniles:</td> <td>Seedlings:</td> <td>Totals:</td> </tr> <tr> <td>Alive</td> <td><u>1</u></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Dead</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>		Mature:	Juveniles:	Seedlings:	Totals:	Alive	<u>1</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Dead	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Note: Pls record count as numbers (not percentages) for database.
	Mature:	Juveniles:	Seedlings:	Totals:												
Alive	<u>1</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>												
Dead	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>												
QUADRAT \$ PRESENT: No. <input type="text"/> Size <input type="text"/> Data attached <input type="checkbox"/> Total area of quadrats (m <sup>2</sup> ): <input type="text"/>																
Summary Quad. Totals: Alive <input type="text"/>																
REPRODUCTIVE STATE: <input type="checkbox"/> Clonal <input type="checkbox"/> Vegetative <input type="checkbox"/> Flowerbud <input type="checkbox"/> Flower <input checked="" type="checkbox"/> Immature fruit <input type="checkbox"/> Fruit <input type="checkbox"/> Dehisced fruit	Percentage in flower: <input type="text"/> %															

CONDITION OF PLANTS:  Healthy    Moderate    Poor    Senescent

COMMENT:

THREATS - type, agent and supporting information: Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)	Current Impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (S-L)
• Low population	<u>H</u>	<u>E</u>	<u>M</u>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return completed form to Species And Communities Program DBCA,  
 Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: [flora.data@dbcwa.gov.au](mailto:flora.data@dbcwa.gov.au)  
 RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.  
 Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database

## Threatened and Priority Flora Report Form

Version 1.4 March 2021

### HABITAT INFORMATION:

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>	0-10% <input type="checkbox"/>	Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input checked="" type="checkbox"/>	Limestone <input type="checkbox"/>	30-50% <input type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input type="checkbox"/>	Quartz <input type="checkbox"/>	50-100% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____		Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>					
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>	Specific Landform Element: _____ (Refer to field manual for additional values)				
<b>CONDITION OF SOIL:</b>	Dry <input checked="" type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

### VEGETATION

#### CLASSIFICATION\*

Eg: 1. Banksia woodland (B. attenuata, B. ilicifolia);  
2. Open shrubland (Hibbertia sp., Acacia spp.);  
3. Isolated clumps of sedges (Mitregrana)

1. Eucalyptus pleurocarpa and Hakea laurina over mixed shrubland.

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

#### ASSOCIATED SPECIES:

Other (non-dominant) spp

Hakea multilineata, Synaphea sp., Isopogon sp., Petrophile fastigiata, Callitris roei, Banksia sp., Verticordia sp., Leptospermum spinosum, Eucalyptus forrestiana, Dampiera sp., Lysinema sp.

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

#### COMMENT:

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire Intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROADSIDE MARKERS:** Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE No:** FT61000787, FT61000788-1a. Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: \_\_\_\_\_ WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_

**LODGEMENT:** WA Herb Lodgement No: \_\_\_\_\_

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

Please return completed form to Species And Communities Program 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 Program.

Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database





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Version 1.4 March 2021

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TAXON: <u>Guichenotia asteriskos</u>	TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P2</u> <b>New population</b> <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>	PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>	

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place):   
West Point Road Reserve. 1.13km west of Cascade and West Point Road Intersection.

Chained friebreak  Reserve No:

DBCA DISTRICT: <u>Esperance</u>	LGA: <u>Esperance</u>	Land manager present: <input checked="" type="checkbox"/>
DATUM:	COORDINATE S: (If UTM coords provided, Zone is also required)	METHOD USED:
GDA94 / MGA94 <input checked="" type="checkbox"/>	DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM <input checked="" type="checkbox"/>	GPS <input checked="" type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/>
AGD84 / AMG84 <input type="checkbox"/>	Lat / Northing: <u>6308203.27</u>	No. satellites: <input type="text"/> Map used: <input type="text"/>
WGS84 <input type="checkbox"/>	Long / Easting: <u>301209.73</u>	Boundary polygon captured: <input type="checkbox"/> Map scale: <input type="text"/>
Unknown <input type="checkbox"/>	ZONE: <u>51</u>	
LAND TENURE:		
Nature reserve <input type="checkbox"/>	Timber reserve <input type="checkbox"/>	Private property <input type="checkbox"/>
National park <input type="checkbox"/>	State forest <input type="checkbox"/>	Pastoral lease <input type="checkbox"/>
Conservation park <input type="checkbox"/>	Water reserve <input type="checkbox"/>	UCL <input type="checkbox"/> SLK/Pole <input type="text"/> to <input type="text"/>
		Rail reserve <input type="checkbox"/> Shire road reserve <input checked="" type="checkbox"/>
		MRWA road reserve <input type="checkbox"/> Other Crown reserve <input type="checkbox"/>
		Specify other: <input type="text"/>

AREA ASSESSMENT: <input type="checkbox"/> Edge survey <input type="checkbox"/> Partial survey <input type="checkbox"/> Full survey <input checked="" type="checkbox"/>	Area observed (m <sup>2</sup> ): <input type="text"/>
EFFORT: Time spent surveying (minutes): <input type="text"/>	No. of minutes spent / 100 m <sup>2</sup> : <input type="text"/>
POP'N COUNT ACCURACY: <input type="checkbox"/> Actual <input type="checkbox"/> Extrapolation <input type="checkbox"/> Estimate <input type="checkbox"/>	Count method: <input type="text"/>
(Refer to field manual for list)	

WHAT COUNTED:	Plants <input type="checkbox"/>	Clumps <input type="checkbox"/>	Clonal stems <input type="checkbox"/>	
TOTAL POP'N STRUCTURE:	Mature:	Juveniles:	Seedlings:	Totals:
Alive	<u>13</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dead	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
QUADRATS PRESENT:	No. <input type="text"/>	Size <input type="text"/>	Data attached <input type="checkbox"/>	Total area of quadrats (m <sup>2</sup> ): <input type="text"/>
Summary Quad. Totals: Alive	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
REPRODUCTIVE STATE:	Clonal <input type="checkbox"/>	Vegetative <input type="checkbox"/>	Flowerbud <input type="checkbox"/>	Flower <input type="checkbox"/>
	Immature fruit <input checked="" type="checkbox"/>	Fruit <input type="checkbox"/>	Dehiscent fruit <input type="checkbox"/>	Percentage in flower: <input type="text"/> %

CONDITION OF PLANTS:  Healthy  Moderate  Poor  Senescent

COMMENT:

THREATS - type, agent and supporting information:	Current Impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (S-L)
Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)			
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return completed form to Species And Communities Program DBCA,  
 Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: [flora.data@dbca.wa.gov.au](mailto:flora.data@dbca.wa.gov.au)  
 RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.  
 Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database

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Version 1.4 March 2021

**HABITAT INFORMATION:**

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input checked="" type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>	0-10% <input type="checkbox"/>	Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	30-50% <input type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input checked="" type="checkbox"/>	Quartz <input type="checkbox"/>	50-100% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____		Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>					
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>					
<b>Specific Landform Element:</b> _____					
<small>(Refer to field manual for additional values)</small>					
<b>CONDITION OF SOIL:</b>					
Dry <input type="checkbox"/> Moist <input type="checkbox"/> Waterlogged <input type="checkbox"/> Inundated <input type="checkbox"/>					

**VEGETATION CLASSIFICATION\*:**

Eg: 1. *Banksia* woodland (*B. alternata*, *B. ilicifolia*);  
2. Open shrubland (*Hibbertia* sp., *Acacia* spp.);  
3. Isolated clumps of sedges (*Mitragyna*)

1. Regenerating *Eucalyptus* sp. over mixed heath. Associated species includes:  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

**ASSOCIATED SPECIES:** *Verticordia* sp., *Beyeria sulcata*, *Lepidosperma* sp., *Cooperookia strophiolata*, *Melaleuca tuberculata*, *Acacia gonophylla*, *Cryptandra* sp., *Grevillea anethifolia*, *Platysace effusa*, *Comesperma spinosum*, *Grevillea nudiflora*.

Other (non-dominant) spp: \_\_\_\_\_

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

**COMMENT:** \_\_\_\_\_

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire Intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROADSIDE MARKER:** Not required  Present  Replace / reposition  Required  Quantity 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.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE No:** FT61000787, FT61000788-1a Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_  
KSW03823

**LODGE:** WA Herb Lodgement No: \_\_\_\_\_

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

Please return completed form to Species And Communities Program 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 Program.  
Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database



## Threatened and Priority Flora Report Form

Version 1.4 March 2021

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 [www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants](http://www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants)

TAXON: <u>Guichenotia asteriskos</u>	TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P2</u> <b>New population</b> <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>	PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>	

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place):   
West Point Road Reserve. 1.86km west of Cascade and West Point Road Intersection.

Chained firebreak.  Reserve No:

DBC DISTRICT: <u>Esperance</u>	LOA: <u>Esperance</u>	Land manager present: <input checked="" type="checkbox"/>
DATUM: GDA94 / MGA94 <input checked="" type="checkbox"/> AGD84 / AMG84 <input type="checkbox"/> WGS84 <input type="checkbox"/> Unknown <input type="checkbox"/>	COORDINATES: (If UTM coords provided, Zone is also required) DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM <input checked="" type="checkbox"/> Lat / Northing: <u>300488.3</u> Long / Easting: <u>6308187.4</u> ZONE: <u>51</u>	METHOD USED: GPS <input checked="" type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/> No. satellites: <input type="text"/> Map used: <input type="text"/> Boundary polygon captured: <input type="checkbox"/> Map scale: <input type="text"/>
LAND TENURE: Nature reserve <input type="checkbox"/> Timber reserve <input type="checkbox"/> Private property <input type="checkbox"/> Rail reserve <input type="checkbox"/> Shire road reserve <input checked="" type="checkbox"/> National park <input type="checkbox"/> State forest <input type="checkbox"/> Pastoral lease <input type="checkbox"/> MRWA road reserve <input type="checkbox"/> Other Crown reserve <input type="checkbox"/> Conservation park <input type="checkbox"/> Water reserve <input type="checkbox"/> UCL <input type="checkbox"/> SLK/Pole <input type="text"/> to <input type="text"/> Specify other: <input type="text"/>		

AREA ASSESSMENT: Edge survey <input type="checkbox"/> Partial survey <input type="checkbox"/> Full survey <input checked="" type="checkbox"/> Area observed (m <sup>2</sup> ): <input type="text"/>																	
EFFORT: Time spent surveying (minutes): <input type="text"/> No. of minutes spent / 100 m <sup>2</sup> : <input type="text"/>																	
POP'N COUNT ACCURACY: Actual <input type="checkbox"/> Extrapolation <input type="checkbox"/> Estimate <input type="checkbox"/> Count method: <input type="text"/> (Refer to field manual for list)																	
WHAT COUNTED: Plants <input type="checkbox"/> Clumps <input type="checkbox"/> Clonal stems <input type="checkbox"/>																	
TOTAL POP'N STRUCTURE:																	
<table border="1"> <thead> <tr> <th></th> <th>Mature:</th> <th>Juveniles:</th> <th>Seedlings:</th> <th>Totals:</th> <th rowspan="3">Area of pop (m<sup>2</sup>): <input type="text"/> Note: Pls record count as numbers (not percentages) for database.</th> </tr> </thead> <tbody> <tr> <td>Alive</td> <td><u>4</u></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td rowspan="2"></td> </tr> <tr> <td>Dead</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		Mature:	Juveniles:	Seedlings:	Totals:	Area of pop (m <sup>2</sup> ): <input type="text"/> Note: Pls record count as numbers (not percentages) for database.	Alive	<u>4</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>		Dead	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Mature:	Juveniles:	Seedlings:	Totals:	Area of pop (m <sup>2</sup> ): <input type="text"/> Note: Pls record count as numbers (not percentages) for database.												
Alive	<u>4</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>													
Dead	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>													
QUADRAT \$ PRESENT: No. <input type="text"/> Size <input type="text"/> Data attached <input type="checkbox"/> Total area of quadrats (m <sup>2</sup> ): <input type="text"/>																	
Summary Quad. Totals: Alive <input type="text"/>																	
REPRODUCTIVE STATE: Clonal <input type="checkbox"/> Vegetative <input type="checkbox"/> Flowerbud <input type="checkbox"/> Flower <input type="checkbox"/> Immature fruit <input checked="" type="checkbox"/> Fruit <input type="checkbox"/> Dehiscent fruit <input type="checkbox"/> Percentage in flower: <input type="text"/> %																	

CONDITION OF PLANTS: Healthy  Moderate  Poor  Senescent   
 COMMENT:

THREATS - type, agent and supporting information: Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)	Current impact (N-E)	Potential impact (L-E)	Potential Threat Onset (S-L)
• Low population size	<u>m</u>	<u>h</u>	<u>m</u>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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 RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.  
 Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database

## Threatened and Priority Flora Report Form

Version 1.4 March 2021

### HABITAT INFORMATION:

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input checked="" type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>		Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	0-10% <input type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input checked="" type="checkbox"/>	Quartz <input type="checkbox"/>	30-50% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____	50-100% <input type="checkbox"/>	Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>	_____		_____	_____	
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>	Specific Landform Element: _____ (Refer to field manual for additional values)				
<b>CONDITION OF SOIL:</b>	Dry <input type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

### VEGETATION

**CLASSIFICATION\*:** 1. Eucalyptus pleurocarpa over mixed heath.

Eg. 1. Banksia woodland (B. attenuata, B. ilicifolia);  
2. Open shrubland (Hibbertia sp., Acacia spp.);  
3. Isolated clumps of sedges (Mitetragona)

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

### ASSOCIATED

**SPECIES:** Grevillea anethifolia, Exocarpos sparteus, Hibbertia pungens, Acacia gonophylla, Cooperookia strophiolata, Beyeria sulcata, Micromyrtus imbricata, Melaleuca tuberculata, Chorizema aciculare, Grevillea nudiflora, Lepidosperma sp., Persoonia helix, Cryptandra sp.

Other (non-dominant) spp \_\_\_\_\_

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 Australian Soil and Land Survey Field Handbook guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

### COMMENT:

\_\_\_\_\_

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire Intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROAD SIDE MARKERS:** Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE No:** FT61000787, FT61000788-1a Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: \_\_\_\_\_ WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_

**LODGE MENT:** WA Herb Lodgement No: \_\_\_\_\_

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

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Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: [flora.data@dbca.wa.gov.au](mailto:flora.data@dbca.wa.gov.au)  
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## Threatened and Priority Flora Report Form

Version 1.4 March 2021

**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 [www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-clarke](http://www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-clarke)

TAXON: <u>Guichenotia asteriskos</u>		TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P2</u>	New population <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>		PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>	
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>		

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place):   
West Point Road Reserve 4.2km west of Cascade and West Point Road Intersection.

Reserve No:

DBCA DISTRICT: <u>Esperance</u>	LGA: <u>Esperance</u>	Land manager present: <input checked="" type="checkbox"/>
DATUM: <input type="checkbox"/> GDA94 / MGA94 <input checked="" type="checkbox"/> AGD84 / AMG84 <input type="checkbox"/> WGS84 <input type="checkbox"/> Unknown <input type="checkbox"/>		METHOD USED: <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/>
COORDINATE S: (If UTM coords provided, Zone is also required) DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM's <input checked="" type="checkbox"/>		No. satellites: <input type="text"/>
Lat / Northing: <u>6307704.5</u>		Map used: <input type="text"/>
Long / Easting: <u>298206.2</u>		Boundary polygon captured: <input type="checkbox"/>
ZONE: <u>51</u>		Map scale: <input type="text"/>
LAND TENURE:		
<input type="checkbox"/> Nature reserve	<input type="checkbox"/> Timber reserve	<input type="checkbox"/> Private property
<input type="checkbox"/> National park	<input type="checkbox"/> State forest	<input type="checkbox"/> Pastoral lease
<input type="checkbox"/> Conservation park	<input type="checkbox"/> Water reserve	<input type="checkbox"/> UCL <input type="checkbox"/> SLK/Pole <input type="text"/> to <input type="text"/>
		<input type="checkbox"/> Rail reserve <input type="checkbox"/> Shire road reserve <input checked="" type="checkbox"/>
		<input type="checkbox"/> MRWA road reserve <input type="checkbox"/> Other Crown reserve <input type="checkbox"/>
		Specify other: <input type="text"/>

AREA ASSESSMENT: <input type="checkbox"/> Edge survey <input type="checkbox"/> Partial survey <input type="checkbox"/> Full survey <input checked="" type="checkbox"/>	Area observed (m <sup>2</sup> ): <input type="text"/>
EFFORT: Time spent surveying (minutes): <input type="text"/>	No. of minutes spent / 100 m <sup>2</sup> : <input type="text"/>
POP'N COUNT ACCURACY: <input type="checkbox"/> Actual <input type="checkbox"/> Extrapolation <input type="checkbox"/> Estimate <input type="checkbox"/>	Count method: <input type="text"/>
(Refer to field manual for list)	
WHAT COUNTED: <input checked="" type="checkbox"/> Plants <input type="checkbox"/> Clumps <input type="checkbox"/> Clonal stems <input type="checkbox"/>	
TOTAL POP'N STRUCTURE:	Area of pop (m <sup>2</sup> ): <input type="text"/>
Alive	Mature: <input type="text"/> Juveniles: <input type="text"/> Seedlings: <input type="text"/> Totals: <input type="text"/>
Dead	Mature: <input type="text"/> Juveniles: <input type="text"/> Seedlings: <input type="text"/> Totals: <input type="text"/>
Note: Pls record count as numbers (not percentages) for database.	
QUADRATS PRESENT: No. <input type="text"/> Size <input type="text"/> Data attached <input type="checkbox"/>	Total area of quadrats (m <sup>2</sup> ): <input type="text"/>
Summary Quad. Totals: Alive	
REPRODUCTIVE STATE: <input type="checkbox"/> Clonal <input type="checkbox"/> Vegetative <input type="checkbox"/> Flowerbud <input type="checkbox"/> Flower <input type="checkbox"/>	Percentage in flower: <input type="text"/> %
<input checked="" type="checkbox"/> Immature fruit <input type="checkbox"/> Fruit <input type="checkbox"/> Dehisced fruit <input type="checkbox"/>	

CONDITION OF PLANTS:  Healthy  Moderate  Poor  Senescent

COMMENT:

THREATS - type, agent and supporting information:	Current Impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (S-L)
Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. <b>Specify agent</b> where relevant. Rate current and potential threat impact: N=None, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)			
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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Record entered by:  Sheet No.:  Record Entered in Database



## Threatened and Priority Flora Report Form

Version 1.4 March 2021

### HABITAT INFORMATION:

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input checked="" type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>	0-10% <input type="checkbox"/>	Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	30-50% <input type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input checked="" type="checkbox"/>	Quartz <input type="checkbox"/>	50-100% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____		Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>					
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>					
	Specific <b>Landform</b> Element: _____				
	(Refer to field manual for additional values)				
<b>CONDITION OF SOIL:</b>	Dry <input type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

### VEGETATION

#### CLASSIFICATION\*

Eg 1 Banksia woodland (B. attenuata, B. ilicifolia);  
2 Open shrubland (Hibbertia sp., Acacia spp.);  
3 Isolated clumps of sedges (Mistragona)

1. Eucalyptus pleurocarpa over mixed heath.

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

#### ASSOCIATED SPECIES:

Other (non-dominant) spp

Melaleuca tuberculata, Styphelia lissanthoides, Beaufortia schauerii, Leptospermum,

Micromyrtus imbricata, Leucopogon sp. Newdegate, Stylidium sp., Lomandra sp., Cryptandra sp.,

Persoonia helix, Exocarpos sparteus, Beyeria sulcata, Verticordia sp.,

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 Australian Soil and Land Survey Field Handbook guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

#### COMMENT:

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire Intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROADSIDE MARKER S:** Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE No:** FT61000787, FT61000788-1a. Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors: \_\_\_\_\_ WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_

No: KSW0413

**LODGE:** WA Herb \_\_\_\_\_

Lodgement No: \_\_\_\_\_

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

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RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.

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

## Threatened and Priority Flora Report Form

Version 1.4 March 2021

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TAXON: <u>Guichenotia asteriskos</u>		TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P2</u>	New population <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>		PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>	
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>		

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place):

UCL: 150m NNW of Rolland Road at slk 81.04, 2.37km NE of Rolland and Cascade Road intersection.

Chained firebreak.

Reserve No: <input type="text"/>	
DBC DISTRICT: <u>Esperance</u>	LGA: <u>Esperance</u> Land manager present: <input type="checkbox"/>
<b>DATUM:</b> COORDINATE \$: (If UTM coords provided, Zone is also required) METHOD USED:	
GDA94 / MGA94 <input type="checkbox"/>	DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM <input type="checkbox"/> GPS <input type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/>
AGD84 / AMG84 <input type="checkbox"/>	Lat / Northing: <u>6309455.69</u> No. satellites: <input type="text"/> Map used: <input type="text"/>
WGS84 <input type="checkbox"/>	Long / Easting: <u>304604.4</u> Boundary polygon captured: <input type="checkbox"/> Map scale: <input type="text"/>
Unknown <input type="checkbox"/>	ZONE: <u>51</u>
<b>LAND TENURE:</b>	
Nature reserve <input type="checkbox"/>	Timber reserve <input type="checkbox"/> Private property <input type="checkbox"/> Rail reserve <input type="checkbox"/> Shire road reserve <input type="checkbox"/>
National park <input type="checkbox"/>	State forest <input type="checkbox"/> Pastoral lease <input type="checkbox"/> MRWA road reserve <input type="checkbox"/> Other Crown reserve <input type="checkbox"/>
Conservation park <input type="checkbox"/>	Water reserve <input type="checkbox"/> UCL <input checked="" type="checkbox"/> SLK/Pole <input type="text"/> to <input type="text"/> Specify other: <input type="text"/>

<b>AREA ASSESSMENT:</b> Edge survey <input type="checkbox"/> Partial survey <input type="checkbox"/> Full survey <input checked="" type="checkbox"/> Area observed (m <sup>2</sup> ): <input type="text"/>	
<b>EFFORT:</b> Time spent surveying (minutes): <input type="text"/> No. of minutes spent / 100 m <sup>2</sup> : <input type="text"/>	
<b>POP'N COUNT ACCURACY:</b> Actual <input checked="" type="checkbox"/> Extrapolation <input type="checkbox"/> Estimate <input type="checkbox"/> Count method: <input type="text"/> (Refer to field manual for list)	
<b>WHAT COUNTED:</b> Plants <input type="checkbox"/> Clumps <input type="checkbox"/> Clonal stems <input type="checkbox"/>	
<b>TOTAL POP'N STRUCTURE:</b>	Area of pop (m <sup>2</sup> ): <input type="text"/>
Alive	Mature: <input type="text"/> Juveniles: <input type="text"/> Seedlings: <input type="text"/> Totals: <input type="text"/>
Dead	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Note: Pls record count as numbers (not percentages) for database.	
<b>QUADRATS PRESENT:</b> No. <input type="text"/> Size <input type="text"/> Data attached <input type="checkbox"/> Total area of quadrats (m <sup>2</sup> ): <input type="text"/>	
Summary Quad. Totals: Alive	
<b>REPRODUCTIVE STATE:</b> Clonal <input type="checkbox"/> Vegetative <input type="checkbox"/> Flowerbud <input type="checkbox"/> Flower <input checked="" type="checkbox"/>	
Immature fruit <input checked="" type="checkbox"/> Fruit <input type="checkbox"/> Dehiscent fruit <input type="checkbox"/> Percentage in flower: <u>20%</u>	

**CONDITION OF PLANTS:** Healthy  Moderate  Poor  Senescent

**COMMENT:**

THREATS - type, agent and supporting information:	Current Impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (S-L)
<p>Eq clearing, too frequent fire, weed, disease. Refer to field manual for list of threats &amp; agents. Specify agent where relevant.</p> <p>Rate current and potential threat impact: N=None, L=Low, M=Medium, H=High, E=Extreme</p> <p>Estimate time to potential impact: S=Short (&lt;12mths), M=Medium (&lt;5yrs), L=Long (5yrs+)</p>			
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return completed form to Species And Communities Program DBCA,  
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: [flora.data@dbca.wa.gov.au](mailto:flora.data@dbca.wa.gov.au)  
RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.  
Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database

## Threatened and Priority Flora Report Form

Version 1.4 March 2021

**HABITAT INFORMATION:**

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input checked="" type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input checked="" type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>	0-10% <input type="checkbox"/>	Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	30-50% <input type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input checked="" type="checkbox"/>	Quartz <input type="checkbox"/>	50-100% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____		Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>					
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>	Specific Landform Element: _____				
	(Refer to field manual for additional values)				
<b>CONDITION OF SOIL:</b>	Dry <input type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

**VEGETATION CLASSIFICATION\*:**

Eg: 1. Banksia woodland (B. attenuata, B. ilicifolia);  
2. Open shrubland (Hibbertia sp., Acacia spp.);  
3. Isolated clumps of sedges (Mitragnona)

1. Mixed Myrtaceae and Proteaceae heath.
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**ASSOCIATED SPECIES:**

Lepidosperma, Micromyrtus imbricata, Daviesia lancifolia, Calytrix lechenaultii, Acacia sp., Verticordia sp., Chorizema aciculare, Hakea multilineata, Grevilea pectinata, Allocasuarina sp.

Other (non-dominant) spp: \_\_\_\_\_

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 Australian Soil and Land Survey Field Handbook guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

**COMMENT:** \_\_\_\_\_

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire Intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROAD SIDE MARKER 8:** Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE NO:** FT61000787, FT61000788-1a. Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_  
KSW03423

**LODGEMENT:** WA Herb Lodgement No: \_\_\_\_\_

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

Please return completed form to Species And Communities Program 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 Program.  
Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database



# Grevillea aneura



## Threatened and Priority Flora Report Form

Version 1.4 March 2021

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 [www.dbca.wa.gov.au/biodiversity-and-animals/threatened-species-and-communities/threatened-plants](http://www.dbca.wa.gov.au/biodiversity-and-animals/threatened-species-and-communities/threatened-plants)

TAXON: <u>Grevillea aneura</u>	TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P4</u> <b>New population</b> <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>	PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>	

DESCRIPTION OF LOCATION (Provide at least nearest town/hamlet locality, and the distance and direction to that place):   
Cascade Road reserve. 11.76km NW of Cascade and West Point Road Intersection.  
Rehabilitated gravel pit.

DBCA DISTRICT: <u>Esperance</u>	LGA: <u>Esperance</u>	Land manager present: <input checked="" type="checkbox"/>
DATUM:	COORDINATE S: (If UTM coords provided, Zone is also required)	METHOD USED:
GDA94 / MGA94 <input checked="" type="checkbox"/>	DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM <input checked="" type="checkbox"/>	GPS <input checked="" type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/>
AGD84 / AMG84 <input type="checkbox"/>	Lat / Northing: <u>6317010</u>	No. satellites: <input type="text"/> Map used: <input type="text"/>
WGS84 <input type="checkbox"/>	Long / Easting: <u>294388</u>	Boundary polygon captured: <input type="checkbox"/> Map scale: <input type="text"/>
Unknown <input type="checkbox"/>	ZONE: <u>51</u>	
LAND TENURE:		
Nature reserve <input type="checkbox"/>	Timber reserve <input type="checkbox"/>	Private property <input type="checkbox"/>
National park <input type="checkbox"/>	State forest <input type="checkbox"/>	Pastoral lease <input type="checkbox"/>
Conservation park <input type="checkbox"/>	Water reserve <input type="checkbox"/>	UCL <input type="checkbox"/>
		Rail reserve <input type="checkbox"/>
		MRWA road reserve <input type="checkbox"/>
		Shire road reserve <input checked="" type="checkbox"/>
		Other Crown reserve <input type="checkbox"/>
		SLK/Pole <u>88.35</u> to <u>87.28</u> Specify other: <input type="text"/>

AREA ASSESSMENT: <input type="checkbox"/> Edge survey <input type="checkbox"/> Partial survey <input type="checkbox"/> Full survey <input checked="" type="checkbox"/>	Area observed (m <sup>2</sup> ): <input type="text"/>
EFFORT: Time spent surveying (minutes): <input type="text"/>	No. of minutes spent / 100 m <sup>2</sup> : <input type="text"/>
POP'N COUNT ACCURACY: <input type="checkbox"/> Actual <input type="checkbox"/> Extrapolation <input type="checkbox"/> Estimate <input type="checkbox"/>	Count method: <input type="text"/>
(Refer to field manual for list)	
WHAT COUNTED: <input type="checkbox"/> Plants <input type="checkbox"/> Clumps <input type="checkbox"/> Clonal stems <input checked="" type="checkbox"/>	
TOTAL POP'N STRUCTURE:	Area of pop (m <sup>2</sup> ): <input type="text"/>
Alive	Mature: <input type="text"/> Juveniles: <input type="text"/> Seedlings: <input type="text"/> Totals: <input type="text"/>
Dead	Mature: <input type="text"/> Juveniles: <input type="text"/> Seedlings: <input type="text"/> Totals: <input type="text"/>
Note: Pls record count as numbers (not percentages) for database.	
QUADRATS PRESENT: No. <input type="text"/> Size <input type="text"/> Data attached <input type="checkbox"/>	Total area of quadrats (m <sup>2</sup> ): <input type="text"/>
Summary Quad. Totals: Alive	
REPRODUCTIVE STATE:	
Clonal <input type="checkbox"/>	Vegetative <input type="checkbox"/>
Immature fruit <input type="checkbox"/>	Fruit <input type="checkbox"/>
	Flowerbud <input type="checkbox"/>
	Dehiscent fruit <input type="checkbox"/>
	Flower <input checked="" type="checkbox"/>
	Percentage in flower: <u>90%</u>

CONDITION OF PLANTS:  Healthy  Moderate  Poor  Senescent

COMMENT: Plant was locally common

THREATS - type, agent and supporting information:	Current Impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (S-L)
Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)			
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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 Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: [flora.data@dbca.wa.gov.au](mailto:flora.data@dbca.wa.gov.au)  
 RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.

Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database



## Threatened and Priority Flora Report Form

Version 1.4 March 2021

### HABITAT INFORMATION:

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input checked="" type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>		Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	0-10% <input type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input type="checkbox"/>	Quartz <input type="checkbox"/>	30-50% <input checked="" type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____	50-100% <input type="checkbox"/>	Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>	_____		_____	_____	
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>	Specific Landform Element: _____				
	(Refer to field manual for additional values)				
<b>CONDITION OF SOIL:</b>	Dry <input type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

### VEGETATION CLASSIFICATION:

Eg: 1. Banksia woodland (B. attenuata, B. ilicifolia);  
2. Open shrubland (Hibbertia sp., Acacia spp.);  
3. Isolated clumps of sedges (Mitragnona)

1. Eucalyptus pleurocarpa and Hakea laurina over mixed shrubland.

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

### ASSOCIATED SPECIES:

Other (non-dominant) spp

Associated species includes: Hakea multilineata, Synaphea sp., Isopogon sp., Petrophile fastigiata, Callitris roei, Banksia sp., Verticordia sp., Leptospermum spinosum, Eucalyptus forrestiana, Dampiera sp., Lysinema sp.

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 Australian Soil and Land Survey Field Handbook guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

**COMMENT:** \_\_\_\_\_

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire Intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROADSIDE MARKER:** Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE NO:** \_\_\_\_\_ Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_  
KSW03623

**LODGE:** WA Herb  FT61000788  
Lodgement No: FT61000787

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

Please return completed form to Species And Communities Program 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 Program.  
Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database



## Threatened and Priority Flora Report Form

Version 1.4 March 2021

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 [www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants](http://www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants)

TAXON: <u>Grevillea aneura</u>	TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P4</u> <b>New population</b> <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>	PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>	

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place):   
Cascade Road reserve. 13.32km NNW of Cascade and West Point Road Intersection.

Chained firebreak

Reserve No:

DBCA DISTRICT:  LGA:  Land manager present:

DATUM:  GDA94 / MGA94  AGD84 / AMG84  WGS84  Unknown

COORDINATE S: (If UTM coords provided, Zone is also required)  
 DecDegrees  DegMinSec  UTM   
 Lat / Northing: 6317946  
 Long / Easting: 293082  
 ZONE: 51

METHOD USED:  
 GPS  Differential GPS  Map   
 No. satellites:  Map used:   
 Boundary polygon captured:  Map scale:

LAND TENURE:  
 Nature reserve  Timber reserve  Private property  Rail reserve  Shire road reserve   
 National park  State forest  Pastoral lease  MRWA road reserve  Other Crown reserve   
 Conservation park  Water reserve  UCL  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)

WHAT COUNTED: Plants  Clumps  Clonal stems

TOTAL POP'N STRUCTURE:	Mature:	Juveniles:	Seedlings:	Totals:	Area of pop (m <sup>2</sup> ): <input type="text"/> Note: Pls record count as numbers (not percentages) for database.
Alive	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Dead	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

QUADRATS PRESENT: No.  Size  Data attached  Total area of quadrats (m<sup>2</sup>):

Summary Quad. Totals: Alive

REPRODUCTIVE STATE: Clonal  Vegetative  Flowerbud  Flower   
 Immature fruit  Fruit  Dehisced fruit  Percentage in flower: 90%

CONDITION OF PLANTS: Healthy  Moderate  Poor  Senescent

COMMENT: Plant was locally common

THREATS - type, agent and supporting information: Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)	Current impact (N-E)	Potential impact (L-E)	Potential Threat Onset (S-L)
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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 Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database



## Threatened and Priority Flora Report Form

Version 1.4 March 2021

### HABITAT INFORMATION:

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>		Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	0-10% <input type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input type="checkbox"/>	Quartz <input type="checkbox"/>	30-50% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____	50-100% <input type="checkbox"/>	Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>	_____		_____	_____	
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>	Specific Landform Element: (Refer to field manual for additional values)				
	Dry <input type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

### VEGETATION

#### CLASSIFICATION\*

Eg. 1. Banksia woodland (B.  
attenuata, B. ilicifolia);  
2. Open shrubland  
(Hibbertia sp., Acacia spp.);  
3. Isolated clumps of sedges  
(M.tetragona)

1. *Eucalyptus pleurocarpa* over mixed shrubland.

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

#### ASSOCIATED

##### SPECIES:

Other (non-dominant) spp

Associated specie includes: *Verticordia* sp., *Melaleuca tuberculata*, *Leptospermum* sp.

*Micromyrtus imbricata*, *Lysinema* sp., *Acacia* sp., *Dampiera* sp.

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

CONDITION OF HABITAT: Pristine  Excellent  Very good  Good  Degraded  Completely degraded

#### COMMENT:

FIRE HISTORY: Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire intensity: High  Medium  Low  No signs of fire

FENCING: Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

ROADSIDE MARKERS: Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

FLORA AUTHORISATION / LICENCE No: FT61000788, FT61000787 Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

SPECIMEN: Collectors No: WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_  
KSW03523

LODGE: WA Herb  
Lodgement No: \_\_\_\_\_

ATTACHED: Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

COPY SENT TO: Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

Please return completed form to Species And Communities Program DBCA,

Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: [flora.data@dbca.wa.gov.au](mailto:flora.data@dbca.wa.gov.au)

RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.

Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database



## Threatened and Priority Flora Report Form

Version 1.4 March 2021

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TAXON: <u>Grevillea aneura</u>	TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P4</u> <b>New population</b> <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>	PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>	

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place):   
West Point Road Reserve. 1.13km west of Cascade and West Point Road Intersection.

Reserve No:

DBC DISTRICT: <u>Esperance</u>	LGA: <u>Esperance</u>	Land manager present: <input checked="" type="checkbox"/>
DATUM:	COORDINATES: (If UTM coords provided, Zone is also required)	METHOD USED:
GDA94 / MGA94 <input checked="" type="checkbox"/>	DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM <input checked="" type="checkbox"/>	GPS <input checked="" type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/>
AGD84 / AMG84 <input type="checkbox"/>	Lat / Northing: <u>6308200</u>	No. satellites: <input type="text"/> Map used: <input type="text"/>
WGS84 <input type="checkbox"/>	Long / Easting: <u>301209</u>	Boundary polygon captured: <input type="checkbox"/> Map scale: <input type="text"/>
Unknown <input type="checkbox"/>	ZONE: <u>51</u>	
LAND TENURE:		
Nature reserve <input type="checkbox"/>	Timber reserve <input type="checkbox"/>	Private property <input type="checkbox"/>
National park <input type="checkbox"/>	State forest <input type="checkbox"/>	Pastoral lease <input type="checkbox"/>
Conservation park <input type="checkbox"/>	Water reserve <input type="checkbox"/>	UCL <input type="checkbox"/>
		SLK/Point <input type="text"/> to <input type="text"/>
		Rail reserve <input type="checkbox"/>
		MRWA road reserve <input type="checkbox"/>
		Shire road reserve <input checked="" type="checkbox"/>
		Other Crown reserve <input type="checkbox"/>
		Specify other: <input type="text"/>

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)

WHAT COUNTED: Plants  Clumps  Clonal stems

TOTAL POP'N STRUCTURE:	Mature:	Juveniles:	Seedlings:	Totals:	Area of pop (m <sup>2</sup> ): <input type="text"/> Note: Pls record count as numbers (not percentages) for database.
Alive	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Dead	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

QUADRATS PRESENT: No.  Size  Data attached  Total area of quadrats (m<sup>2</sup>):   
 Summary Quad. Totals: Alive

REPRODUCTIVE STATE: Clonal  Vegetative  Flowerbud  Flower   
 Immature fruit  Fruit  Dehiscent fruit  Percentage in flower: 90%

CONDITION OF PLANTS: Healthy  Moderate  Poor  Senescent   
 COMMENT: Plant was locally common

THREATS - type, agent and supporting information:	Current Impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (3-L)
Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. Rate current and potential threat impact: N=None, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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 Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: [flora.data@dbca.wa.gov.au](mailto:flora.data@dbca.wa.gov.au)  
 RECORDS: Please forward to Flora Administrative Officer, Species and Communities Program.  
 Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database

## Threatened and Priority Flora Report Form

Version 1.4 March 2021

**HABITAT INFORMATION:**

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>	0-10% <input type="checkbox"/>	Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	30-50% <input type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input type="checkbox"/>	Quartz <input type="checkbox"/>	50-100% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____		Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>					
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>	Specific Landform Element: (Refer to field manual for additional values)				
<b>CONDITION OF SOIL:</b>	Dry <input type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

**VEGETATION**

**CLASSIFICATION\*:**

Eg 1. Banksia woodland (B. attenuata, B. ilicifolia);  
2. Open shrubland (Hibbertia sp., Acacia spp.);  
3. Isolated clumps of sedges (Mitregrana)

1. Eucalyptus sp. over mixed heath.

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

Verticordia sp., Beyeria sulcata, Lepidosperma sp., Coopermookia strophiolata, Melaleuca tuberculata, Acacia gonophylla, Cryptandra sp., Grevillea anethifolia, Platysace effusa, Comesperma spinosum, Grevillea nudiflora.

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

**COMMENT:** \_\_\_\_\_

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROADSIDE MARKER:** Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE No:** FT61000787, FT61000788 Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: \_\_\_\_\_ WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_

**LODGE:** WA Herb  FT61000788  
Lodgement No: FT61000787

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

Please return completed form to Species And Communities Program DBCA,  
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 OR email to: flora.data@dbca.wa.gov.au  
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Record entered by: \_\_\_\_\_ Sheet No.: \_\_\_\_\_ Record Entered In Database

## Threatened and Priority Flora Report Form

Version 1.4 March 2021

**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 [www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plant](http://www.dbca.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plant)

TAXON: <u>Grevillea aneura</u>		TPFL Pop. No: <input type="text"/>
OBSERVATION DATE: <u>26/09/2023</u>	CONSERVATION STATUS: <u>P4</u>	New population <input checked="" type="checkbox"/>
OBSERVER/S: <u>Katherine Walkerden, Julie Waters</u>		PHONE <u>0416558774</u>
ROLE: <u>Environmental Officer, Coordinator</u>	ORGANISATION: <u>Shire of Esperance</u>	
EMAIL: <u>Katherine.Walkerden@esperance.wa.gov.au</u>		

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place):   
West Point Road Reserve 4.2km west of Cascade and West Point Road Intersection.

Reserve No:

DBC DISTRICT: <u>Esperance</u>	LGA: <u>Esperance</u>	Land manager present: <input type="checkbox"/>
DATUM: <input type="checkbox"/> GDA94 / MGA94 <input type="checkbox"/> AGD84 / AMG84 <input type="checkbox"/> WGS84 <input type="checkbox"/> Unknown		
COORDINATE S: (If UTM coords provided, Zone is also required) <input type="checkbox"/> DecDegrees <input type="checkbox"/> DegMinSec <input type="checkbox"/> UTM <input checked="" type="checkbox"/>		
Lat / Northing: <u>6307685.9</u>		Method Used: <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Differential GPS <input type="checkbox"/> Map <input type="checkbox"/>
Long / Easting: <u>298188.3</u>		No. satellites: <input type="text"/> Map used: <input type="text"/>
ZONE: <u>51</u>		Boundary polygon captured: <input type="checkbox"/> Map scale: <input type="text"/>
LAND TENURE:		
<input type="checkbox"/> Nature reserve	<input type="checkbox"/> Timber reserve	<input type="checkbox"/> Private property
<input type="checkbox"/> National park	<input type="checkbox"/> State forest	<input type="checkbox"/> Pastoral lease
<input type="checkbox"/> Conservation park	<input type="checkbox"/> Water reserve	<input type="checkbox"/> UCL
<input type="checkbox"/> Rail reserve	<input type="checkbox"/> MRWA road reserve	<input type="checkbox"/> SLK/Pole <input type="text"/> to <input type="text"/>
<input checked="" type="checkbox"/> Shire road reserve	<input type="checkbox"/> Other Crown reserve	Specify other: <input type="text"/>

AREA ASSESSMENT: <input type="checkbox"/> Edge survey <input type="checkbox"/> Partial survey <input type="checkbox"/> Full survey <input type="checkbox"/>	Area observed (m <sup>2</sup> ): <input type="text"/>
EFFORT: Time spent surveying (minutes): <input type="text"/>	No. of minutes spent / 100 m <sup>2</sup> : <input type="text"/>
POP'N COUNT ACCURACY: <input type="checkbox"/> Actual <input type="checkbox"/> Extrapolation <input type="checkbox"/> Estimate <input type="checkbox"/>	Count method: <input type="text"/>
(Refer to field manual for list)	

WHAT COUNTED: <input type="checkbox"/> Plants <input type="checkbox"/> Clumps <input type="checkbox"/> Clonal stems <input type="checkbox"/>	Area of pop (m <sup>2</sup> ): <input type="text"/>
TOTAL POP'N STRUCTURE:	Note: Pls record count as numbers (not percentages) for database.
Alive	
Dead	
QUADRAT \$ PRESENT: No. <input type="text"/> Size <input type="text"/> Data attached <input type="checkbox"/>	Total area of quadrats (m <sup>2</sup> ): <input type="text"/>
Summary Quad. Totals: Alive <input type="text"/>	

REPRODUCTIVE STATE: <input type="checkbox"/> Clonal <input type="checkbox"/> Vegetative <input type="checkbox"/> Flowerbud <input type="checkbox"/> Flower <input checked="" type="checkbox"/>	Percentage in flower: <u>90%</u>
<input type="checkbox"/> Immature fruit <input type="checkbox"/> Fruit <input type="checkbox"/> Dehiscent fruit <input type="checkbox"/>	

CONDITION OF PLANT:  Healthy  Moderate  Poor  Senescent

COMMENT: Plant was locally common

THREAT \$ - type, agent and supporting information:	Current Impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (S-L)
Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant. Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)			
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
• <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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## Threatened and Priority Flora Report Form

Version 1.4 March 2021

### HABITAT INFORMATION:

<b>LANDFORM:</b>	<b>ROCK TYPE:</b>	<b>LOOSE ROCK:</b>	<b>SOIL TYPE:</b>	<b>SOIL COLOUR:</b>	<b>DRAINAGE:</b>
Crest <input type="checkbox"/>	Granite <input type="checkbox"/>	(on soil surface; eg gravel, quartz fields)	Sand <input type="checkbox"/>	Red <input type="checkbox"/>	Well drained <input type="checkbox"/>
Hill <input type="checkbox"/>	Dolerite <input type="checkbox"/>		Sandy loam <input type="checkbox"/>	Brown <input type="checkbox"/>	Seasonally inundated <input type="checkbox"/>
Ridge <input type="checkbox"/>	Laterite <input type="checkbox"/>	0-10% <input type="checkbox"/>	Loam <input type="checkbox"/>	Yellow <input type="checkbox"/>	Permanently inundated <input type="checkbox"/>
Outcrop <input type="checkbox"/>	Ironstone <input type="checkbox"/>	10-30% <input checked="" type="checkbox"/>	Clay loam <input type="checkbox"/>	White <input type="checkbox"/>	Tidal <input type="checkbox"/>
Slope <input type="checkbox"/>	Limestone <input type="checkbox"/>	30-50% <input type="checkbox"/>	Light clay <input type="checkbox"/>	Grey <input type="checkbox"/>	
Flat <input checked="" type="checkbox"/>	Quartz <input type="checkbox"/>	50-100% <input type="checkbox"/>	Peat <input type="checkbox"/>	Black <input type="checkbox"/>	
Open depression <input type="checkbox"/>	Specify other: _____		Specify other: _____	Specify other: _____	
Drainage line <input type="checkbox"/>	_____		_____	_____	
Closed depression <input type="checkbox"/>					
Wetland <input type="checkbox"/>	Specific Landform Element: (Refer to field manual for additional values)	_____			
<b>CONDITION OF SOIL:</b>	Dry <input type="checkbox"/>	Moist <input type="checkbox"/>	Waterlogged <input type="checkbox"/>	Inundated <input type="checkbox"/>	

### VEGETATION

#### CLASSIFICATION\*

Eg: 1. Banksia woodland (B. attenuata, B. ilicifolia);  
2. Open shrubland  
(Hibbertia sp., Acacia spp.);  
3. Isolated clumps of sedges  
(Mitregrana)

1. *Eucalyptus pleurocarpa* over mixed heath.

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

#### ASSOCIATED SPECIES:

Other (non-dominant) spp

*Eucalyptus pleurocarpa* over mixed heath. Associated species includes: *Melaleuca tuberculata*,  
*Styphelia lissanthoides*, *Beaufortia schauerii*, *Leptospermum*, *Beyeria sulcata*, *Verticordia* sp.,

*Micromyrtus imbricata*, *Leucopogon* sp. Newdegate, *Stylidium* sp., *Lomandra* sp., *Cryptandra* sp.,  
*Persoonia helix*, *Exocarpos sparteus*

\* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine  Excellent  Very good  Good  Degraded  Completely degraded

**COMMENT:** \_\_\_\_\_

**FIRE HISTORY:** Last Fire: Season/Month: \_\_\_\_\_ Year: \_\_\_\_\_ Fire Intensity: High  Medium  Low  No signs of fire

**FENCING:** Not required  Present  Replace / repair  Required  Length req'd: \_\_\_\_\_

**ROADSIDE MARKERS:** Not required  Present  Replace / reposition  Required  Quantity 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.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**FLORA AUTHORISATION / LICENCE No:** FT61000787, FT61000788. Note if only observing plants (i.e. no specimens or plant material is taken) then no authorisation/licence is required. For further information on authorisation and licensing requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: WA Herb.  Regional Herb.  District Herb.  Other: \_\_\_\_\_  
KSW04023

**LODGEMENT:** WA Herb  
Lodgement No: \_\_\_\_\_

**ATTACHED:** Map  Mudmap  Photo  GIS data  Field notes  Other: \_\_\_\_\_

**COPY SENT TO:** Regional Office  District Office  Other: \_\_\_\_\_

Submitter of Record: Katherine Walkerden Role: Environmental Officer Signed: \_\_\_\_\_ Date: 03/10/2023

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