

RARE FLORA REPORT FORM

TAXON: Drakaea elastica DRF X Priority Species: P Partial Survey Full Survey X DEFL POPULATION No.: 28 New Population

FROM: Frances Kirchner and Narelle Whittington TITLE: Conservation Officer and ENV consultant SURVEY DATE: 17/ 07/ 2008

REGION: South West DISTRICT: Blackwood SHIRE: Capel

LOCATION: Location 871, Goodward Rd, Capel. In vegetation occupying southwest corner of this location. Owner Ian Johnson, 0411743322.

Reserve No:

LATITUDE: 33° 34' 8.55" S LONGITUDE: 115° 33' 27.00" E Map Used:

GPS DATUM: AGD84 GDA94 X GDA94-Compatible (e.g. WGS84) Unknown None

LAND STATUS: Nature Reserve Private X Gravel Res. MRD Rail Reserve National Park Pastoral Lease Gravel Res. Shire Rd. Verge Shire State Forest UCL Other Shire Res. Rd. Verge MRD Water Reserve Other Specify: SLK to

Landowner/manager present during inspection:

LANDFORM: Hilltop Cliff Slope Valley Swamp Outcrop Breakaway Low Plain X Gully Riverbank Ridge Sand Dune Flat Drainageline Lake Edge Firebreak Other Specify:

ROCK TYPE: Laterite Granite Dolerite Limestone Other:

ROCK FORM: Sheet Boulder Fluvialite Gravel Concretionary Gravel

SOIL TYPE: Sand X Loam Clay Peat Gravel

SOIL COLOUR: Red Brown Yellow White X Grey X

SOIL CONDITION: Moist X Inundated Dry X Saline Other:

VEGETATION CLASSIFICATION (Muir's): Banksia/Kunzea woodland

ASSOCIATED SPECIES: Drakaea glyptodon, Drakaea livida, Kunzea glabrescens, Banksia sp., Paracaleana nigrita.

No. of PLANTS: Mature: 174 Seedlings: Dead: Actual X Estimate Area Occupied: (Leave blank if unable to observe, or no attempt made to count plants)

REPRODUCTIVE STATE: Clonal Flower bud Flower Immat. fruit Fruit Old Fruit Vegetative X

POLLINATORS: Native bees Honey bees Other insects Birds Mammals

Other observations:

CONDITION OF POPULATION: Healthy X Moderate Poor Disturbed Comment:

POTENTIAL THREATS: Firebreaks Mining Recreation Roadworks Grazing X Weeds X Salinity Disease Prescribed Burning X Other Comment: Development

FIRE HISTORY: Not known X Burnt in 19 Summer Autumn Winter Spring

FENCING: Not Required Fenced X but inadequate and does not capture all orchids Required Replace/Repair

ROADSIDE MARKERS: Not Required X Present Required Replace Reposition

OTHER COMMENTS (include action taken/required): Heavy kangaroo damage to surrounding veg.

VOUCHER SPECIMEN: Regional Herb. District Herb. WA Herb. Other

ATTACHED: Map X Mudmap Illustration Photo X Field Notes

COPY SENT TO: Regional Office X District Office X Other X Specify: Species and Communities Branch

Signed: Frances Kirchner

Date: 23/ 07/ 2008

NOTE: Map or further information may be attached or given on the back of this form.

Please return completed form to Director General, DEC, Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983

RECORDS: PLEASE FORWARD TO ADMINISTRATIVE OFFICER, FLORA, SPECIES AND COMMUNITIES BRANCH

**From:** Narelle Whittington [narelle.whittington@env.net.au]  
**Sent:** Monday, 25 October 2010 3:38 PM  
**To:** ian@westdel.com.au  
**Subject:** Goodwood estate orchid locations [Scanned]  
**Attachments:** 05032P-37A.pdf

Hi Ian

Denise has asked me to pass on this information. Attached is the map of locations and below are the coordinates of the *Drakaea elastica* plants on site at Goodwood Estate.

AUTO_ID	WGS84_LON	WGS84_LAT	COMMENTS	PLANT_NUM
1	115.5567184	-33.5692850		8
2	115.5567500	-33.5691366		3
3	115.5567200	-33.5691300	new	2
4	115.5574584	-33.5688934		1
5	115.5582366	-33.5690716		23
6	115.5582000	-33.5690484	new	2
7	115.5582250	-33.5689666	new	4
8	115.5581150	-33.5689284	new	2
9	115.5581866	-33.5688634	new	5
10	115.5581684	-33.5687450		4
11	115.5581434	-33.5685850	1 in fence	25
12	115.5581734	-33.5685784		6
13	115.5580016	-33.5685984		6
14	115.5587600	-33.5689534		20
15	115.5591366	-33.5683516	in cage	12
16	115.5592200	-33.5684000		16
17	115.5594100	-33.5690734	new	7
18	115.5593816	-33.5691434	new	1
19	115.5598750	-33.5690466	21 in cage	24
20	115.5597650	-33.5689916	new	1
				172

If you have any queries please let me know.

*Regards*

*Narelle Whittington*

*Principal Botanist/Environmental Scientist*

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**LEGEND**

D.R.F. Orchid Site

12 Number of Orchids at site

DATE OF SURVEY : 17/07/2008

PRESENT :  
NARELLE WHITTINGTON (ENV)  
FRANCES KIRCHNER (DEC)

STAGE 1 RESIDENTIAL LOT YIELD				
Size	No	%	Average	
500 - 600	32	30.48%	588	25.46%
601 - 700	37	35.24%	636	31.86%
701 - 800	18	17.14%	740	18.01%
801 - 900	8	7.62%	841	9.10%
901 - 1000	1	0.95%	923	1.25%
1001 - 1100	2	1.90%	1029	2.78%
1101 - 1200	3	2.86%	1170	4.77%
1201 - 1300	3	2.86%	1230	4.99%
1301+	1	0.95%	1317	1.78%
<b>Total Number of Lots</b>	<b>105</b>			

Minimum Lot Size 590m<sup>2</sup>  
Maximum Lot Size 1317m<sup>2</sup>  
Average Lot Size 704m<sup>2</sup>  
Total Lot Area 73972m<sup>2</sup>

STAGE 2 RESIDENTIAL LOT YIELD				
Size	No	%	Average	
400m <sup>2</sup> - 500m <sup>2</sup>	15	20.27%	462m <sup>2</sup>	7.79%
501m <sup>2</sup> - 600m <sup>2</sup>	26	35.14%	541m <sup>2</sup>	15.83%
601m <sup>2</sup> - 700m <sup>2</sup>	19	25.68%	639m <sup>2</sup>	13.65%
701m <sup>2</sup> - 800m <sup>2</sup>	1	1.35%	728m <sup>2</sup>	0.82%
1201m <sup>2</sup> +	13	17.67%	4240m <sup>2</sup>	61.92%
<b>Total Number of Lots</b>	<b>74</b>			

Minimum Lot Size 449m<sup>2</sup>  
Maximum Lot Size 5406m<sup>2</sup>  
Average Lot Size 795m<sup>2</sup>  
Total Lot Area 89035m<sup>2</sup>

STAGE 3 RESIDENTIAL LOT YIELD				
Size	No	%	Average	
500m <sup>2</sup> - 600m <sup>2</sup>	22	59.46%	517m <sup>2</sup>	38.89%
601m <sup>2</sup> - 700m <sup>2</sup>	12	32.43%	663m <sup>2</sup>	27.05%
701m <sup>2</sup> - 800m <sup>2</sup>	1	2.70%	716m <sup>2</sup>	2.43%
1201m <sup>2</sup> +	2	5.41%	4082m <sup>2</sup>	31.82%
<b>Total Number of Lots</b>	<b>37</b>			

Minimum Lot Size 504m<sup>2</sup>  
Maximum Lot Size 5036m<sup>2</sup>  
Average Lot Size 795m<sup>2</sup>  
Total Lot Area 29429m<sup>2</sup>

TOTAL LOT YIELD				
Size	No	%	Average	
400m <sup>2</sup> - 500m <sup>2</sup>	15	6.94%	462m <sup>2</sup>	3.61%
501m <sup>2</sup> - 600m <sup>2</sup>	80	37.04%	553m <sup>2</sup>	23.03%
601m <sup>2</sup> - 700m <sup>2</sup>	68	31.48%	642m <sup>2</sup>	22.70%
701m <sup>2</sup> - 800m <sup>2</sup>	20	9.26%	738m <sup>2</sup>	7.67%
801m <sup>2</sup> - 900m <sup>2</sup>	8	3.70%	841m <sup>2</sup>	3.50%
901m <sup>2</sup> - 1000m <sup>2</sup>	1	0.46%	923m <sup>2</sup>	0.48%
1001m <sup>2</sup> - 1100m <sup>2</sup>	2	0.93%	1029m <sup>2</sup>	1.07%
1101m <sup>2</sup> - 1200m <sup>2</sup>	3	1.39%	1176m <sup>2</sup>	1.83%
1201m <sup>2</sup> - 1300m <sup>2</sup>	3	1.39%	1230m <sup>2</sup>	1.92%
1301m <sup>2</sup> +	16	7.41%	4113m <sup>2</sup>	34.20%
<b>Total Number of Lots</b>	<b>216</b>			

Minimum Lot Size 449m<sup>2</sup>  
Maximum Lot Size 5406m<sup>2</sup>  
Average Lot Size 990m<sup>2</sup>  
Total Lot Area 192436m<sup>2</sup>

R2.5

R20

R30 (To be developed as group housing or small lot subdivision)

TOTAL SITE AREA - 34,1539 ha  
TOTAL P.O.S. & DRAINAGE AREA - 6,7754 ha  
% of P.O.S. & DRAINAGE to SITE AREA - 19.84%

**SUBDIVISION AND DEVELOPMENT GUIDE PLAN**  
**PT. WELLINGTON LOCATION 871 GOODWOOD ROAD**  
**& LOT 1181 HAWLEY ROAD, CAPEL**

- Proposed Lot Boundary
- Stage Boundaries
- Contour

ORIGINAL SIZE **A1**

THIS PLAN HAS BEEN PREPARED FOR PLANNING PURPOSES. AREAS, CONTOURS AND DIMENSIONS SHOWN ARE SUBJECT TO SURVEY.

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PLANNER: N.D.

DRAFTER: J.W.

SCALE: 1:1500 at A1  
1:3000 at A3

DATE: 10/10/08

PLAN No: 05032P-37A



**FIGURE 5**