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# ATLAS PROJECT POST ERD SIGNIFICANT FLORA IMPACT ASSESSMENT

19 December 2023

PREPARED FOR IMAGE RESOURCES NL  
BY PRESTON CONSULTING PTY LTD

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## ACKNOWLEDGEMENT OF COUNTRY

*In the spirit of reconciliation Image Resources NL and Preston Consulting Pty Ltd acknowledge that this project is proposed on the lands of the Yued People of the Noongar Nation. We pay our respects to Elders past, present and emerging and recognise their continuing connection to land, sea, culture and community.*



## DOCUMENT CONTROL

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<b>Checked</b>	Gavin Edwards Director Preston Consulting		19/12/2023



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# 1 INTRODUCTION

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Since the submission of the Atlas Project (Proposal) Environmental Review Document (ERD), Image Resources (Image) have continued to apply considerable effort to identify and avoid Significant flora. In addition to the 360 Environmental (2012 & 2021) and Morgan (2022) flora and vegetation surveys, Image has conducted two targeted Significant flora surveys that have focused on systematic searches of Banksia Woodlands occurring within and surrounding the Development Envelopes. The results of these surveys have been detailed in the following reports:

- Memo - Spring 2022 Flora of Conservation Significance Search (Morgan, 2023a; Attachment 1); and
- Memo - Atlas project - Spring 2023 systematic search for flora of conservation significance in the Banksia woodlands (Morgan, 2023b; Attachment 2).

No Threatened Flora listed under the *Environment Protection and Biodiversity Conservation Act 1999* (Cth; EPBC Act) or *Biodiversity Conservation Act 2016* (WA; BC Act) were recorded in the surveys. No new species listed on the Department of Biodiversity, Conservation and Attractions' (DBCA) Priority flora list (Priority flora) were identified within the Development Envelopes, however additional records of some species were recorded within and outside of the disturbance areas. The additional records have predominately resulted in a reduction of the proportion of local impacts to Priority flora species.

One species (*Conostylis pauciflora* subsp. *euryrhipis* (P4)) recorded by Morgan (2022) has since been determined as a misidentification of *Conostylis crassinerva* subsp. *Absens*. The identification of this specimen as *Conostylis crassinerva* subsp. *Absens*. (not threatened) was recently conducted by Michael Hislop of WA Herbarium (B. Morgan, pers. comm., 11 December 2023; Attachment 3).

An additional unpublished survey of a potential powerline route (Morgan, 2022) also increased local records of Priority flora species occurring outside of the Development Envelopes.

Image have further progressed mine planning and have submitted an amendment to the Proposal under Section 43A of the *Environmental Protection Act 1986* (WA) to reduce the size and alignment of the Development Envelopes and indicative disturbance areas. These changes have resulted in a considerable proportion of several Priority flora species being avoided.

A detailed analysis of the consolidated survey results has been conducted in this report to revise the Significant flora assessment completed for the ERD. A summary of the analysis is provided in the following sections.

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## 2 ANALYSIS SUMMARY

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### 2.1 DIRECT DISTURBANCE

No Threatened Flora listed under the EPBC Act or BC Act were recorded in the Development Envelopes or survey areas.





Seventeen Priority flora species and one species of taxonomic interest (*Jacksonia* aff. *Floribunda*) were recorded within the Development Envelopes. Of these, twelve had a large proportion of local records that were located outside the Proposal's disturbance areas and therefore local impacts were not considered significant:

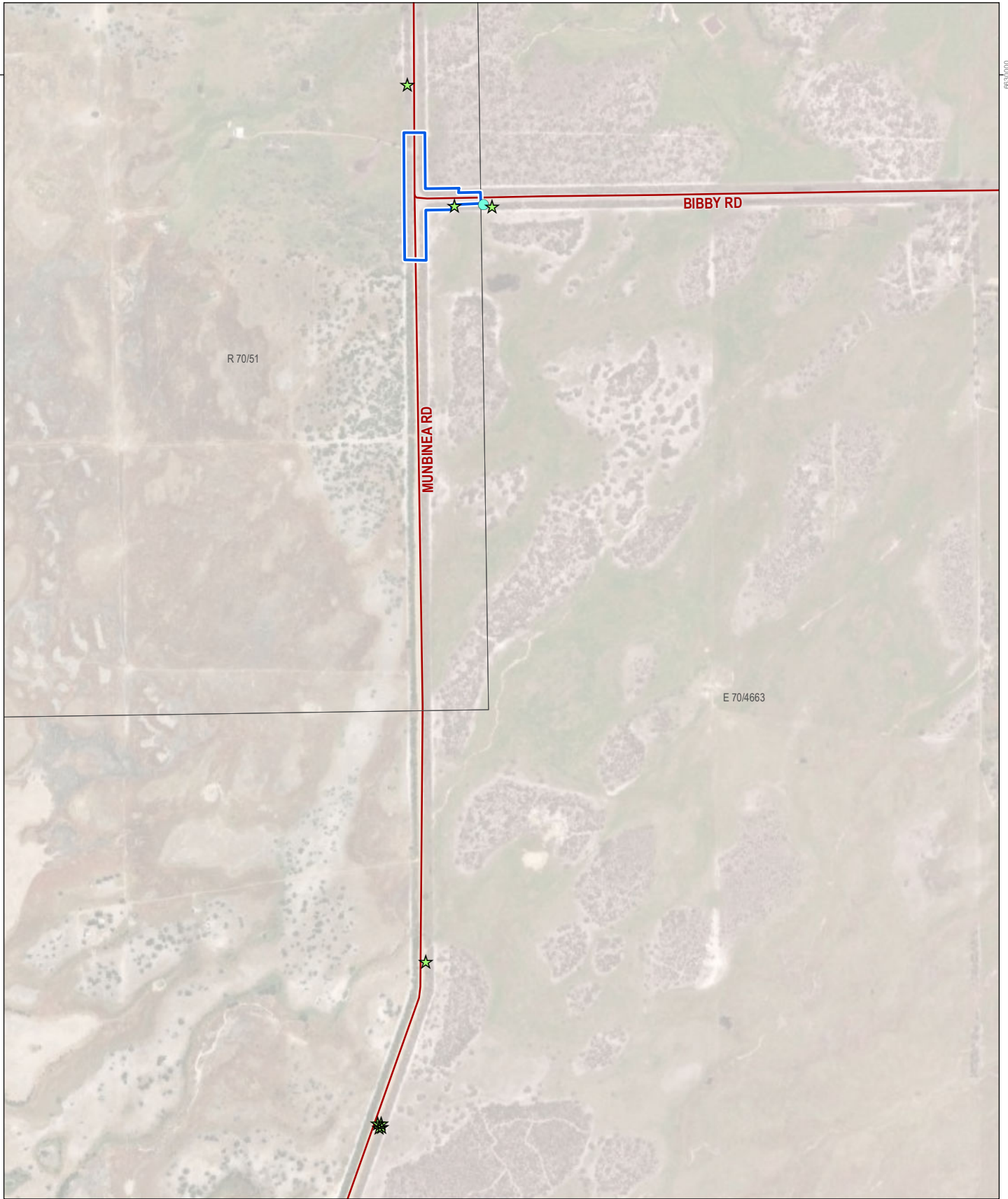
1. *Angianthus micropodioides* (P3) - >99% of 121,941,611 individuals;
2. *Desmocladius nodatus* (P3) - >99% of 6,897 individuals;
3. *Chordifex reseminans* (P2) - 97% of 2,100 individuals;
4. *Eryngium pinnatifidum* subsp. *Palustre* (G. J. Keighery 13459) (P3) - 92.1% of 5,978 individuals;
5. *Babingtonia urbana* (P3) - 91% of 7,528 individuals;
6. *Isopogon panduratus* subsp. *palustris* (P3) - 88.1% of 7,916 individuals;
7. *Grevillea cooljarloo* (Keighery & Olde) (P1) - 87.9% of 5,755 individuals;
8. *Stylidium aceratum* (P3) - 87.8% of 5,820 individuals;
9. *Hensmania stoniella* (P3) - 87.1% of 249 individuals;
10. *Conospermum scaposum* (P3) - 83.1% of 3,370 individuals;
11. *Schoenus griffinianus* (P4) - 79.4% of 501 individuals; and
12. *Jacksonia* aff. *Floribunda* (taxonomic interest) - 78.9% of 918 individuals.

Three species had lower numbers of individuals (<20) recorded within the survey areas, however, a large proportion of their local records were located outside the Proposal's disturbance areas (Figure 1 and 2). When compared to the number of regional records (noting that regional records do not indicate the number of individuals at each record location), the low number of records within the disturbance areas represented a relatively small impact to these species:

- *Jacksonia carduacea* (P3) - only one individual within the Development Envelopes, which is predicted to be disturbed, with 20 individuals recorded within the survey areas (95% outside of disturbance areas) and 51 regional records located within 50 km of the Proposal;
- *Anigozanthos humilis* subsp. *chrysanthus* (P4) - three individuals within the Development Envelopes, and only one likely to be disturbed, with 17 individuals recorded within the survey areas (94.1% outside of disturbance areas) and 79 regional records from Dandaragan to as far south as the Twin Peaks Conservation Reserve; and
- *Schoenus pennisetis* (P3) - three individuals within the Development Envelopes, all of which are likely to be disturbed, with 15 individuals recorded within the survey areas (80% outside of disturbance areas) and 54 regional records from east of Geraldton to west of Mount Barker.

Given the large proportion of local records that will not be impacted by the Proposal and the number of regional records, the species listed above are considered unlikely to be significantly impacted by the Proposal.





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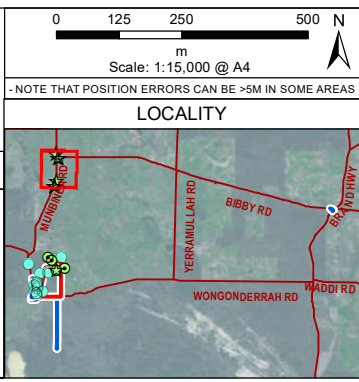
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CREATED	JOB	DATE	REVISION
ENVIROMAPS	PC2900270	24/11/2023	0

**Image Resources**



**Legend**

- Mine Development Envelope
- External Infrastructure Development Envelope
- Disturbance Footprint
- M 70/1306
- Tenement

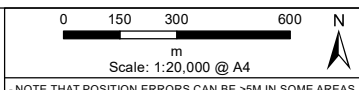
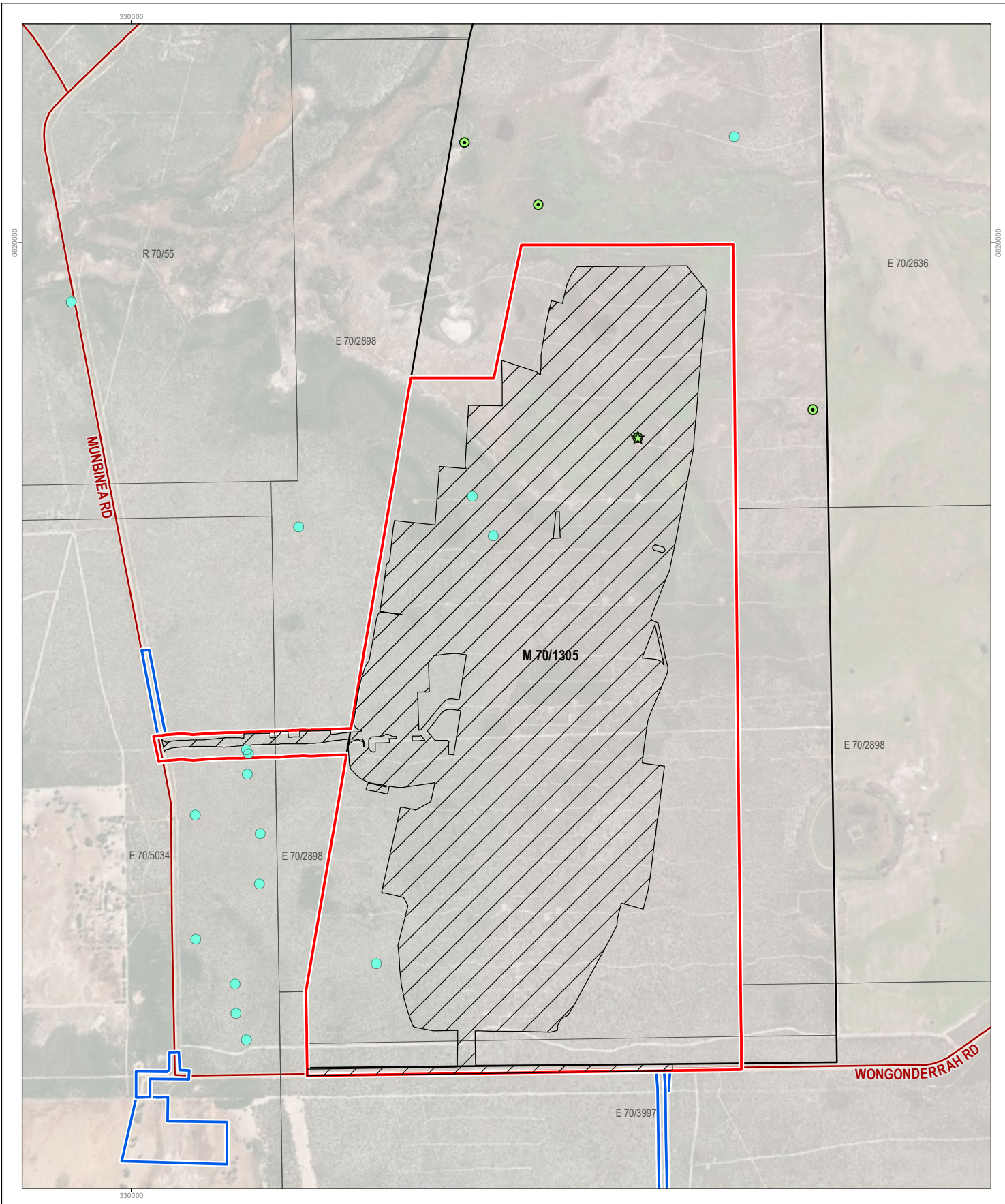
**Priority Flora 1**

- ★ *Jacksonia carduacea* (P3)
- *Schoenus pennisetis* (P3)
- *Anigozanthos humilis subsp. chrysanthus* (P4)

Source: Orthophoto - Open Source

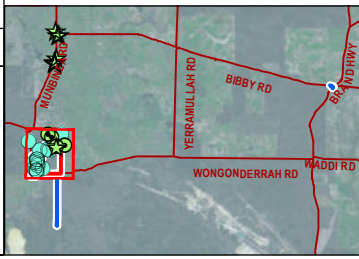
**Figure 1: *Jacksonia carduacea* (P3), *Anigozanthos humilis subsp. Chrysanthu* (P4), *Schoenus pennisetis* (P3) local records (north)**





- NOTE THAT POSITION ERRORS CAN BE >5M IN SOME AREAS

LOCALITY



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Image Resources

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- Mine Development Envelope
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- M 70/1306
- Tenement

Priority Flora 1

- ★ *Jacksonia carduacea* (P3)
- *Schoenus pennisetis* (P3)
- *Anigozanthos humilis subsp. chrysanthus* (P4)

Figure 2: *Jacksonia carduacea* (P3), *Anigozanthos humilis subsp. Chrysanthu* (P4), *Schoenus pennisetis* (P3) local records (south)

The remaining three Priority Flora species were further assessed:

- *Levenhookia preissii* (P1);
- *Thysanotus glaucus* (P4); and
- *Stylidium longitubum* (P4).

### ***Levenhookia preissii* (P1)**

*Levenhookia preissii* (P1) is an annual herb, growing from 3 – 17 mm high in the heaths found on the margins of the Proposal floodplain. Additional records were identified during post-ERD surveys, resulting in a total of 49 individuals being recorded within the survey areas (Figure 3). Of these, 30 individuals were located within the Development Envelopes. This species was noted by Morgan (2022) as being difficult to observe and identify outside of the spring flowering season, which likely contributes to an underestimated true number of *Levenhookia preissii* (P1) individuals in the local area. Nevertheless, a conservative position has been taken that assumes that the recorded individuals represent all records in the survey areas.

Two exclusion zones are proposed around separate clusters of 17 and ten *Levenhookia preissii* (P1) individuals that were recorded in 2011 (360 Environmental, 2012) (Figure 4). Both exclusion zones may appear relatively isolated within the broader disturbance area, however, they are located within the pit surrounds in areas that predominately consist of low impact activities such as topsoil stockpiles and infrastructure corridors. The eastern exclusion zone (Figure 4) remains relatively well connected with remnant native vegetation to the east (outside of the disturbance area), only intercepted by a light vehicle track required for maintenance and monitoring activities. The western exclusion zone is located in a corridor that is expected to be largely undisturbed and includes a larger area in order to maintain a vegetation buffer surrounding the records (Figure 5). Both clusters lie within the groundwater drawdown zone, however given the physiological characteristics (small size and shallow roots) of *Levenhookia preissii* (P1), this species is unlikely to be accessing groundwater and therefore it is likely that no impacts would be associated with groundwater drawdown. The exclusion zones will be registered in the Proposal's ground disturbance permit system and physically demarcated in the field to avoid inadvertent or accidental disturbance.

Other potential indirect impacts to the 27 *Levenhookia preissii* (P1) individuals (located within the exclusion zones) including altered fire regimes, weeds, hydrocarbon spills, dieback and dust are not expected to change from those assessed in Section 5.5.1 of the ERD. As such, indirect impacts are unlikely to be significant if the mitigation measures listed in Section 5.6 of the ERD are implemented.

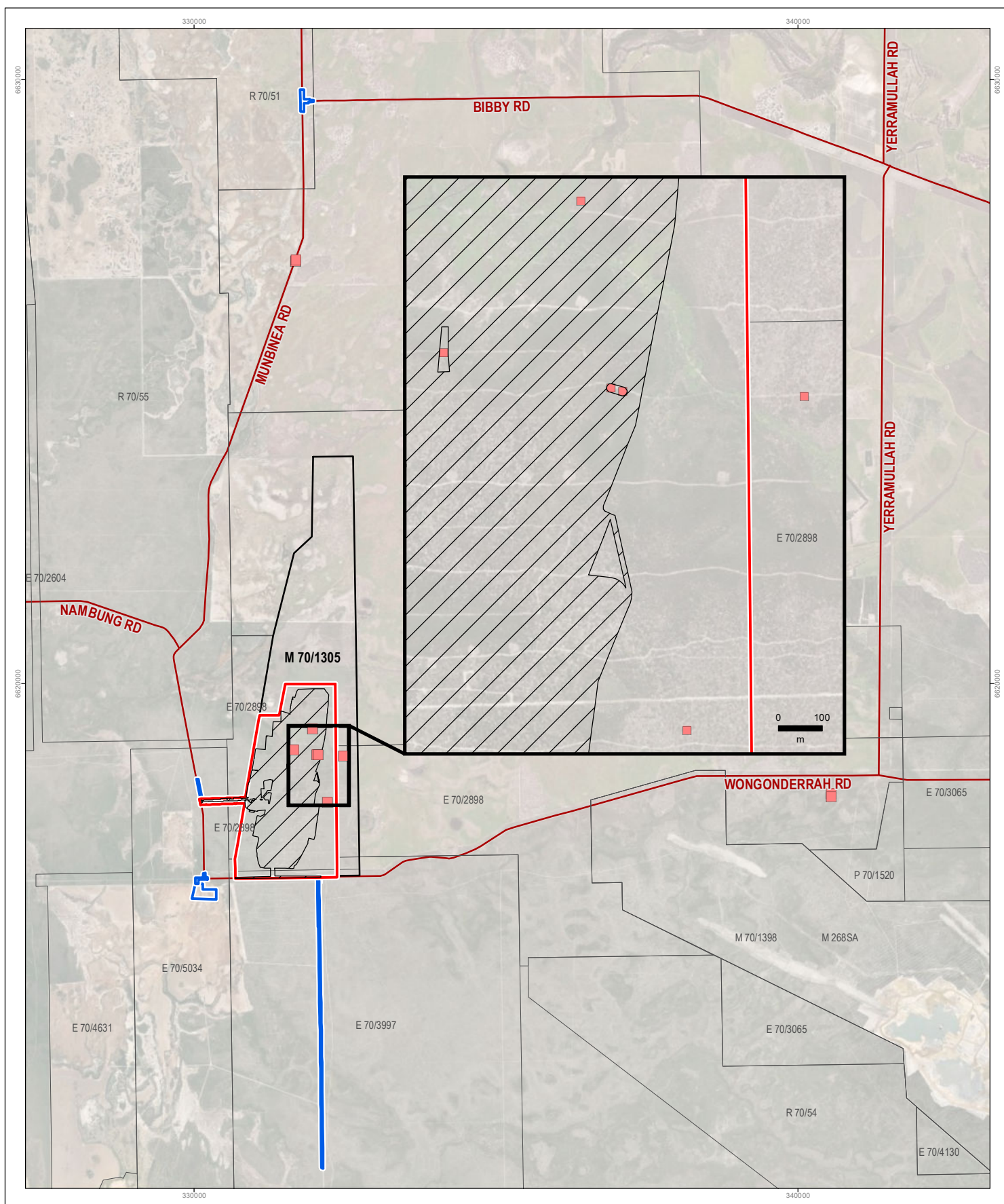
The Proposal is therefore predicted to disturb three individuals or 6.1% of the 49 *Levenhookia preissii* (P1) records within the survey areas. Forty-six individuals (93.9% of local records) will not be disturbed by the Proposal, several of which were recorded more than 7 km from the Development Envelopes.

*Levenhookia preissii* (P1) has also been recorded in another 38 locations in WA, ranging over 400 km from the Proposal at Cooljarloo to Northcliffe (south of Pemberton). While individual counts are not available for each of those 38 locations, these records demonstrate that impacts to three individuals of *Levenhookia preissii* (P1) are unlikely to be significant in a regional context.

Based on the above the Proposal is unlikely to significantly impact the local or regional extent of this species.



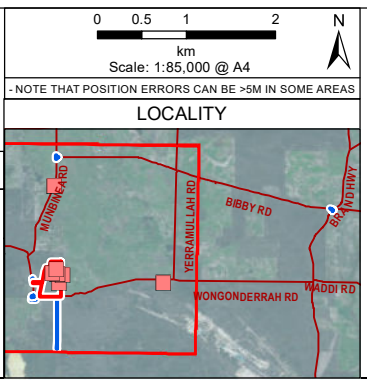




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ENVIRONMAPS	PC2900270	19/12/2023	0

**Image Resources**



**Legend**

- Mine Development Envelope
- External Infrastructure Development Envelope
- Disturbance Footprint
- M 70/1306
- Tenement

**Priority Flora 2**

- *Levenhookia preissii* (P1)

Source: Orthophoto - Open Source

**Figure 3: *Levenhookia preissii* (P1) local records**



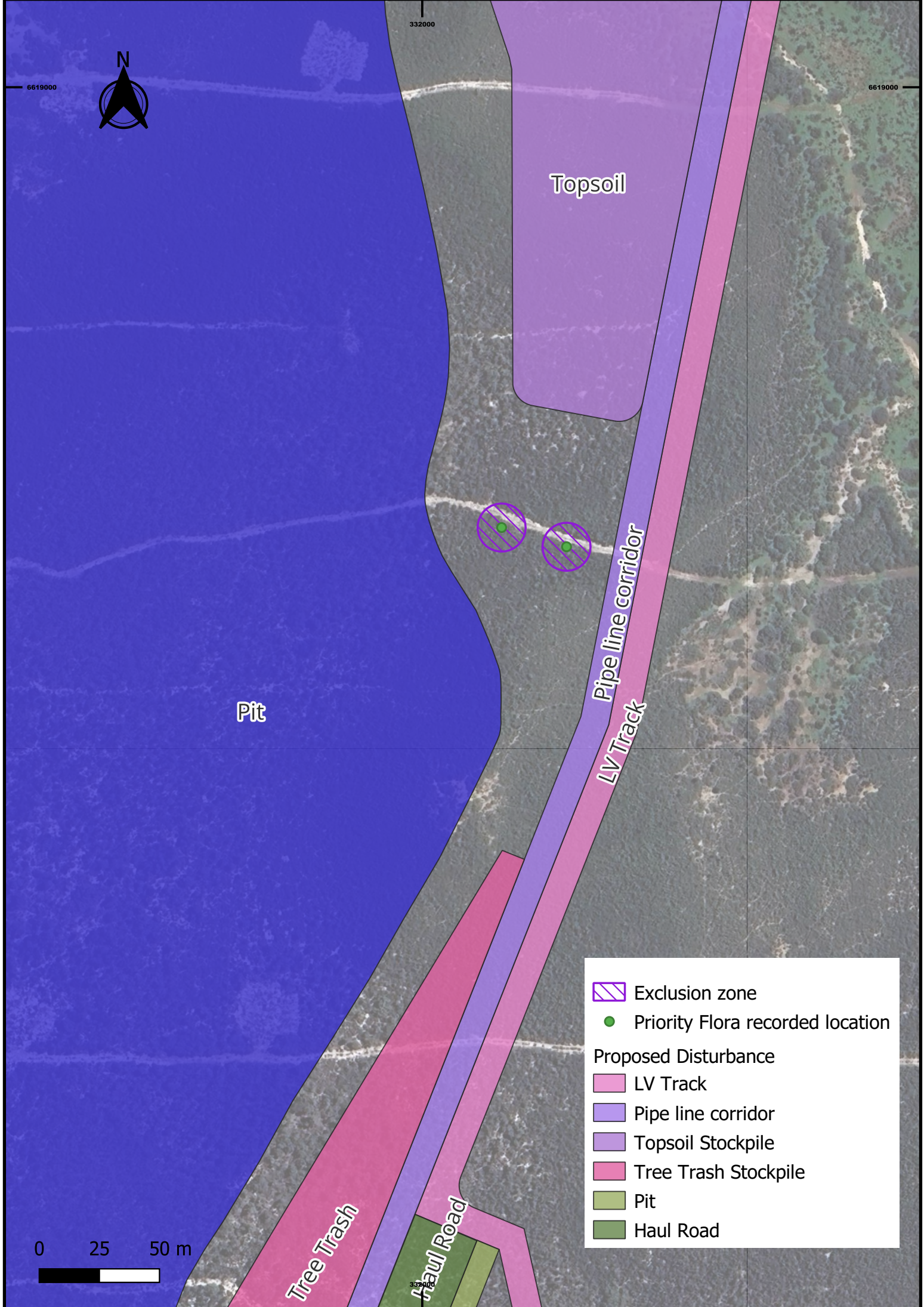


Figure 4: *Levenhookia preissii* (P1) eastern exclusion zone and surrounding indicative disturbance



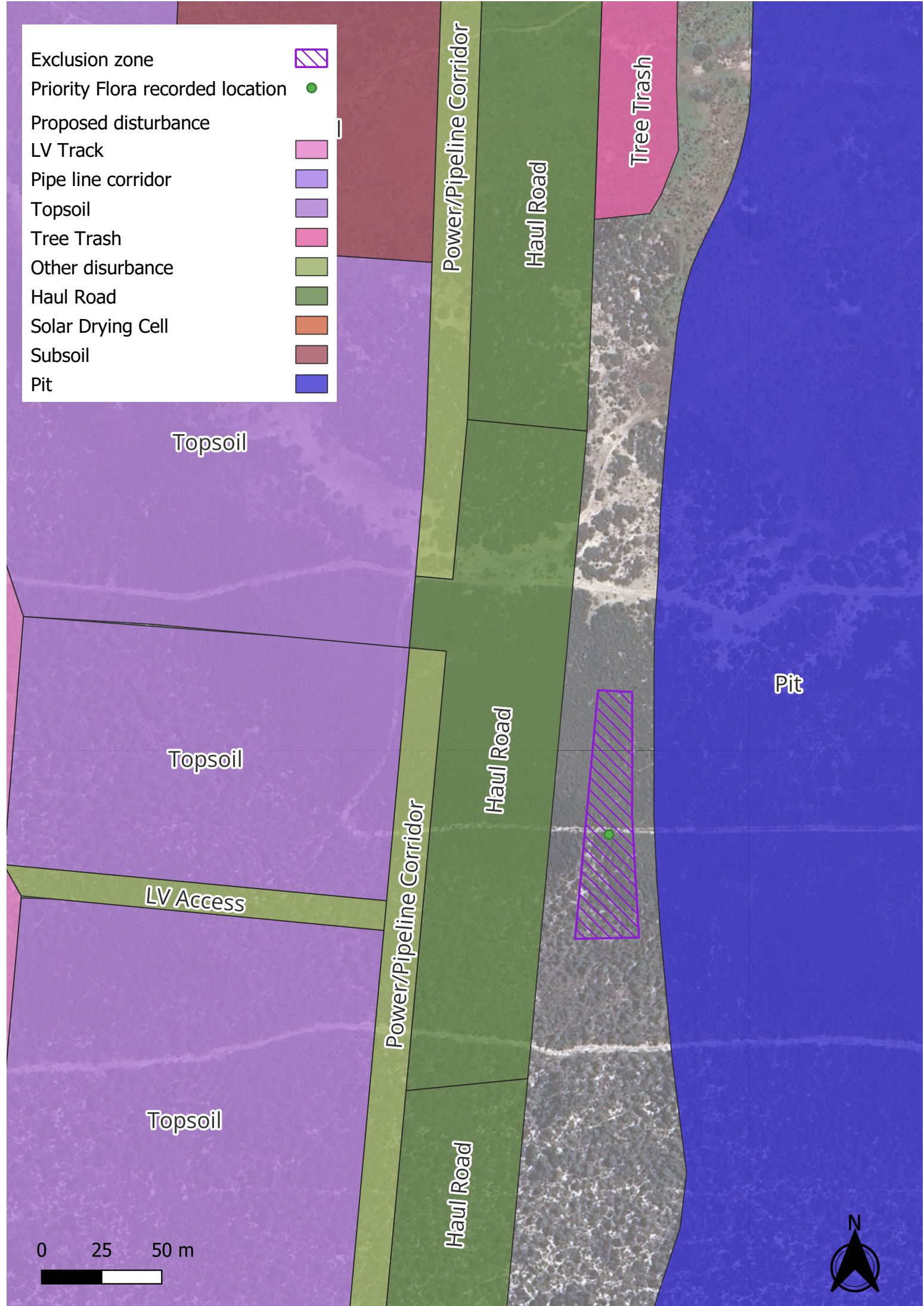


Figure 5: *Levenhookia preissii* (P1) western exclusion zone and surrounding indicative disturbance

### ***Thysanotus glaucus* (P4)**

*Thysanotus glaucus* (P4) is a perennial herb that grows to 20 cm. Additional records of *Thysanotus glaucus* (P4) were identified in post ERD surveys (within and outside of the disturbance areas), resulting in 83 individuals occurring within the survey areas.

*Thysanotus glaucus* (P4) was recorded in the *Banksia attenuata*, *Banksia menziesii* Low Woodlands in the survey areas. The largest stand of *Thysanotus glaucus* (P4) was however recorded in *Melaleuca seriata* shrubland around the southern and western margins of an area of *Banksia telmatiaea* heath just south of Wongonderrah Rd (outside of the Development Envelopes).

A total of 63 *Thysanotus glaucus* (P4) individuals within the survey areas will not be disturbed by the Proposal. Image will also seek advice from DBCA regarding whether this species could be included in the seed mix for rehabilitation.

The Proposal is therefore predicted to disturb 20 individuals or 24.1% of the 83 *Thysanotus glaucus* (P4) records within the survey areas. *Thysanotus glaucus* (P4) has also been recorded in another 34 locations in WA, ranging over 700 km from south of Eneabba to Two Peoples Bay Nature Reserve. While individual counts are not available for each of those 34 locations, these records demonstrate that impacts to 20 individuals of *Thysanotus glaucus* (P4) are unlikely to be significant in a regional context.

Based on the above the Proposal is unlikely to significantly impact the local or regional extent of this species.

### ***Stylidium longitubum* (P4)**

*Stylidium longitubum* (P4) is an annual (ephemeral) herb, growing from 3 – 17 mm high. Predominately recorded in wetter parts of the floodplain, with numerous occurrences around the margins of *Melaleuca raphiophylla* Shrubland.

Additional records were identified during post-ERD surveys, resulting in a total of 6,984 individuals being recorded within the survey areas. Of these, 4,113 *Stylidium longitubum* (P4) individuals are located within the Development Envelopes, and 1,983 individuals are predicted to be disturbed at the Proposal, equating to 28.4% of the individuals recorded within the survey areas.

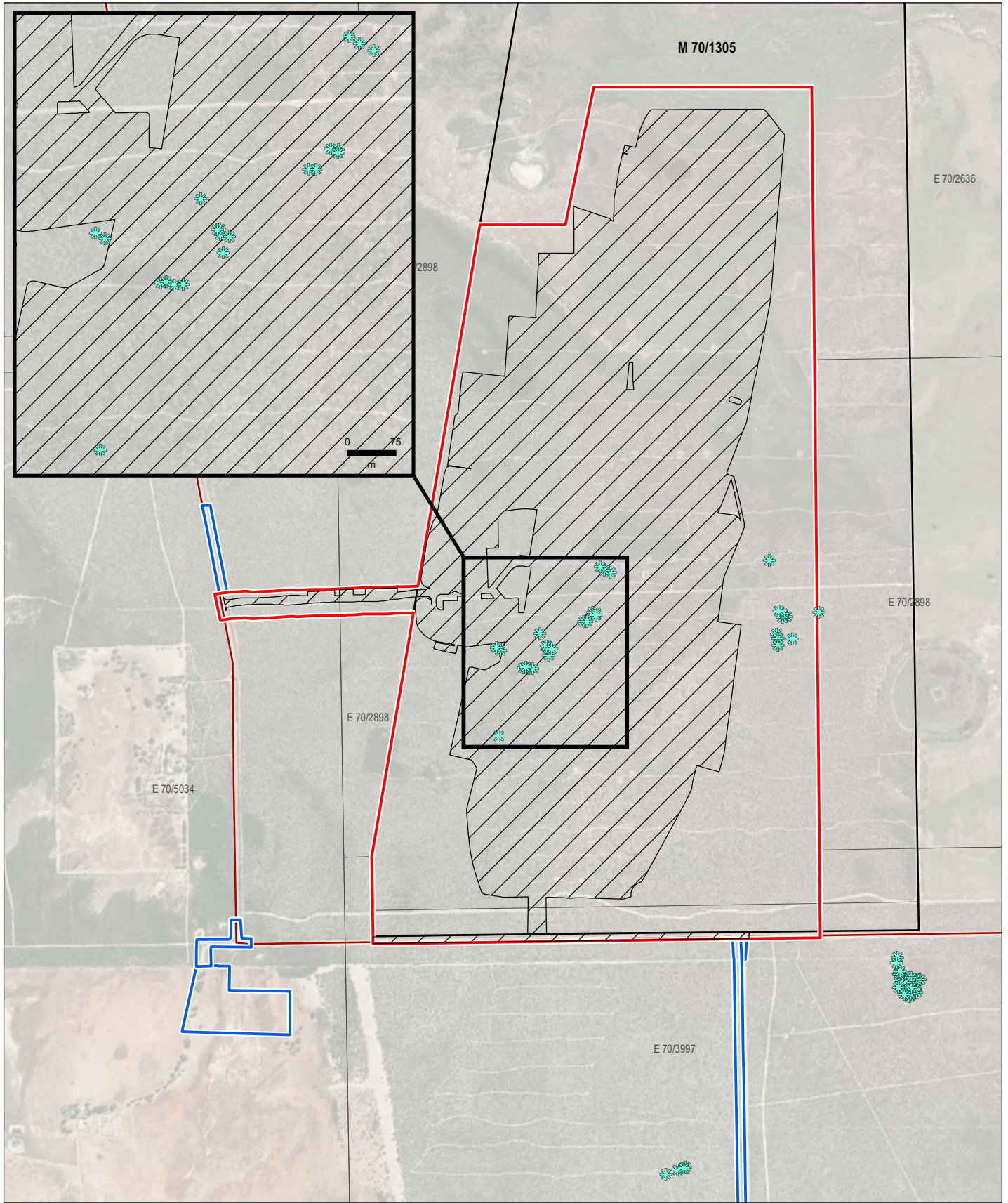
*Stylidium longitubum* (P4) has a large number of recorded populations in WA, having also been recorded in another 100 locations, ranging over 400 km (from north of Eneabba to east of Cowaramup). The wide-ranging distribution of *Stylidium longitubum* (P4) in conjunction with the large number of individuals that will be retained at the Proposal (5,001) demonstrates that the number of impacted individuals is unlikely to be significant in a local or regional context.

Image will also seek advice from the DBCA or other research organisations to determine the most appropriate method to reinstate this species during rehabilitation (i.e., natural ingress, seeding, infill planting).

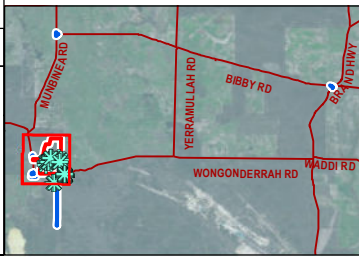
Based on the above, although the proportion of local individuals impacted is high, the Proposal is unlikely to significantly impact the regional extent or viability of this species.







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 NOTE THAT POSITION ERRORS CAN BE >5M IN SOME AREAS  
 LOCALITY



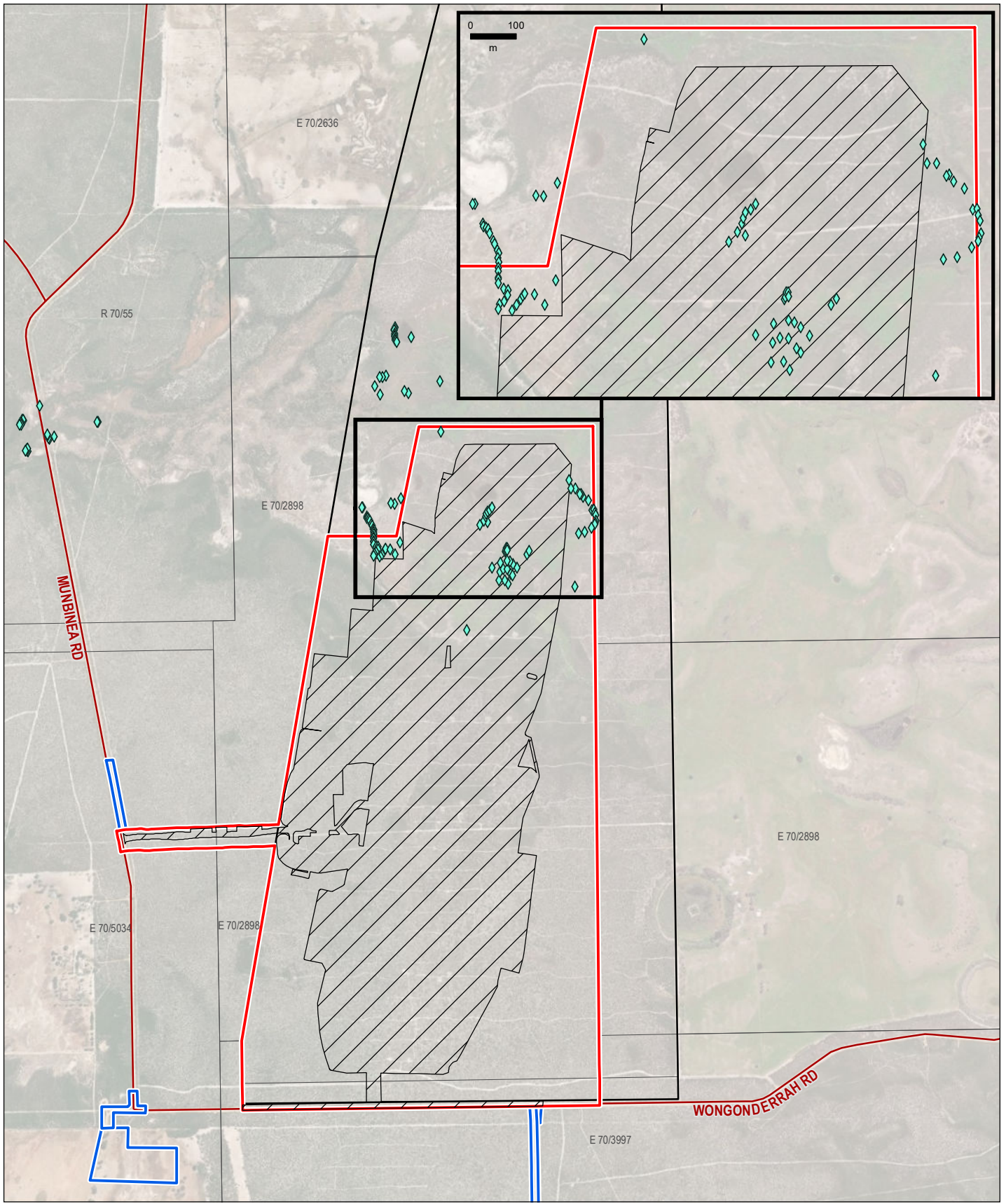
- Legend**
- Mine Development Envelope
  - External Infrastructure Development Envelope
  - Disturbance Footprint
  - M 70/1305
  - Tenement
- Priority Flora 2**
- \* *Thysanotus glaucus* P4

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ENVIROMAPS	PC2900270	19/12/2023	0

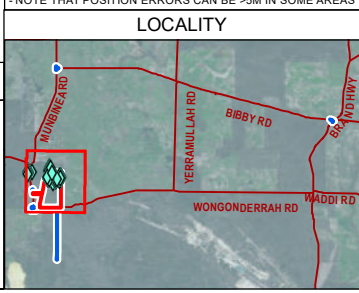
**Image Resources**

Figure 6: *Thysanotus glaucus* (P4) local records





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 - NOTE THAT POSITION ERRORS CAN BE >5M IN SOME AREAS



Legend

- Mine Development Envelope
- External Infrastructure Development Envelope
- Disturbance Footprint
- M 70/1306
- Tenement
- ◆ Priority Flora 2
- ◆ *Stylidium longitubum* P4

Figure 7: *Stylidium longitubum* (P4) local records

## 2.2 INDIRECT IMPACTS

The ERD provides a detailed assessment of indirect impacts on native flora and vegetation, which showed that indirect impacts would be minimal outside the area of direct disturbance if managed appropriately. This assessment also applies to Priority flora, with the Proposal considered unlikely to indirectly impact any known Priority flora records if the mitigation measures listed in Section 5.6 of the ERD are implemented.

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## 3 CONCLUSION

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Since submission of the ERD, Image Resources has further progressed mine planning to avoid and minimise environmental impacts. This has included the revision of Development Envelope boundaries and disturbance areas and defining exclusions zones to avoid Priority flora records.

Additional targeted Significant flora surveys were conducted within and surrounding the Proposal, post-ERD. New records identified during these surveys have resulted in predominately a reduction in the proportion of impacts to local records of individual species. Three species (*Thysanotus glaucus* (P4), *Jacksonia* aff. *Floribunda* (taxonomic interest) and *Schoenus griffinianus* (P4)) were recorded in greater numbers inside the disturbance areas. However, the surveys also recorded a large proportion of these species outside the Proposal's disturbance areas and therefore proportional impacts were still not considered significant.

Given the significant number of additional Priority flora records identified within the survey areas and avoidance measures that have been incorporated, on balance, the Proposal's impacts on Priority flora species are not expected to cause a decline in the population size or geographic range of any Priority flora species that would result in an increase in conservation status.

Image has extensively surveyed the Proposal and surrounding area and have continued to incorporate avoidance and minimisation measures into the Proposal design and operational processes, however, direct impacts to some Priority flora will be unavoidable. With consideration of a variety of assessment factors including the proportion of local records that will not be impacted by the Proposal, regional records, distribution and habitat preferences, it is considered unlikely that any of the recorded Priority flora species will be significantly impacted by the Proposal.



## 4 GLOSSARY

Term	Meaning
BC Act	<i>Biodiversity Conservation Act 2016 (WA)</i>
DBCA	Department of Biodiversity, Conservation and Attractions
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cth)</i>
ERD	Environmental Review Document
Image	Image Resources NL
Priority flora	Flora listed on the Department of Biodiversity, Conservation and Attractions' Priority flora list
Proposal	Atlas Project

## 5 REFERENCES

360 Environmental (2012). *Level 2 flora and vegetation survey – North Perth Mineral Sands Project (Single Phase)*. Unpublished report prepared for Image Resources NL. February, 2012

360 Environmental (2021). *Spring Biological Assessment – Bibby Road, Cooljarloo*. Unpublished report prepared for Shawmac on behalf of Image Resources NL.

Hopper, S. D., Purdie, R. W., George, A. S. and Patrick, S. J. (1987). *Conostylis, Flora of Australia 45: 57-110*.

Morgan, B. (2022). *Level 2 Flora and Vegetation Survey for the Atlas Project*. Prepared for Image Resources NL. April, 2022

Morgan, B. (2023a). *Memo - Spring 2022 Flora of Conservation Significance Search*. Prepared for Image Resources NL. March, 2022.

Morgan, B. (2023b). *Memo - Atlas project - Spring 2023 systematic search for flora of conservation significance in the Banksia woodlands*. Prepared for Image Resources NL. November, 2023.

## 6 ATTACHMENTS

**Attachment 1:** Spring 2022 Flora of Conservation Significance Search (Morgan, 2023a)

**Attachment 2:** Atlas project - Spring 2023 systematic search for flora of conservation significance in the Banksia woodlands (Morgan, 2023b)

**Attachment 3:** WA Herbarium Plant identification (pers. Comm. Brian Morgan, 2023)





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# ATTACHMENT 1: SPRING 2022 FLORA OF CONSERVATION SIGNIFICANCE SEARCH (MORGAN, 2023A)

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# Memorandum

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**To: Preston Consulting**

**From: Brian Morgan, Consultant Botanist**

**Date: 22/03/2023**

**Subject: Spring 2022 Flora of Conservation Significance Search**

## Introduction

A flora and vegetation survey was undertaken for the Atlas project between 2019 and 2022 which formed a component of the project proposal presented in the Atlas Project Environmental review document (Preston, 2022). The Atlas project flora and vegetation survey included large areas of *Banksia attenuata*, *Banksia menziesii* Low Woodlands (vegetation mapping unit 'BaBm') (Morgan, 2022). A total of 15 quadrats were recorded in 'BaBm' vegetation along with opportunistic walks. A likelihood-of-occurrence analysis found that seven Priority taxa were considered to be 'Moderate' to 'High' likelihood of occurrence in 'BaBm'. Four of those were subsequently recorded in 'BaBm' vegetation with what was described as a scattered distribution. On the basis of these findings, more intensive searching was not undertaken. However, some DBCA comments were made regarding the adequacy of searches for flora of conservation significance in the 'BaBm' vegetation unit.

Consequently Preston Consulting thought it would be appropriate to improve the coverage of searches in the Atlas 'BaBm' vegetation areas within the mining envelope by undertaking additional searches.

## Methods

The Spring 2022 search for flora of conservation significance was undertaken on the 23<sup>rd</sup> and 24<sup>th</sup> of November, 2022.

The Spring 2022 search lines are shown in Figure 1. The aim of the survey was to add search coverage to areas of 'BaBm' vegetation where there were some gaps in the past search effort.

When any known Threatened or Priority flora were observed, the location coordinates (GDA94 datum) and the number of plants at that locality were recorded. If a plant species was of interest and was not known by the field botanists, a specimen was collected for subsequent identification.

## Results

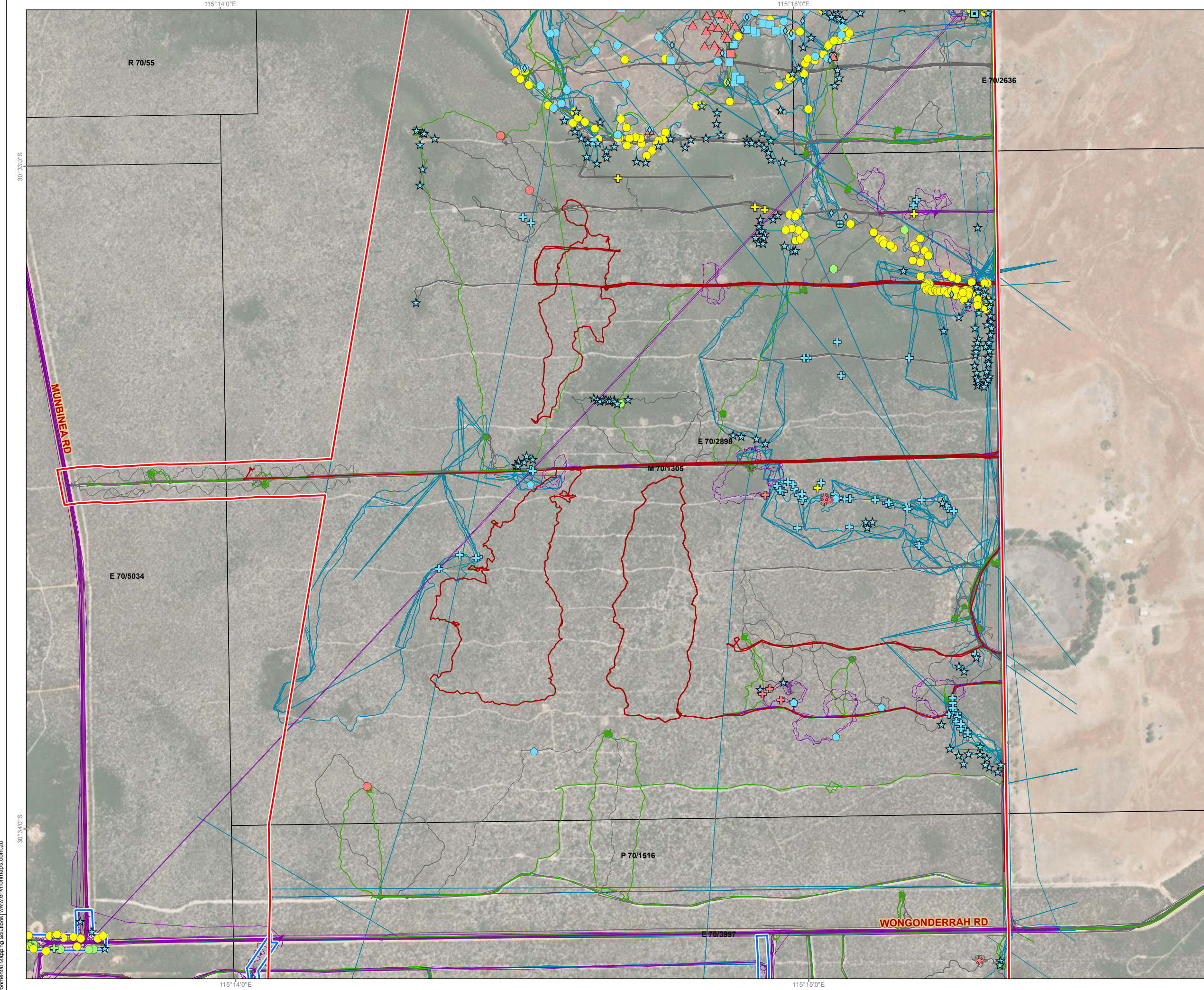
Four Priority taxa were recorded during the survey: *Conospermum scaposum* (Priority 3) (Plate 1), *Hensmania stoniella* (Priority 3), *Schoenus griffinianus* (Priority 4) and *Thysanotus glaucus* (Priority 4) (Plate 2) (Figure 1, Table 1).

In addition, a *Jacksonia* sp. was also recorded and sampled (Plate 3). It had been previously recorded and collected south of Wongonderrah Rd, but those specimens were sterile and were determined to be most likely *Jacksonia floribunda* by the WA Herbarium Identification Service. The *Jacksonia* sp. shrubs were flowering at the time of the November 2022 survey and flowering material was collected. A specimen was again lodged with the WA Herbarium ID Service. While the specimen was considered to have some anomalous features, it was considered to be within the *Jacksonia floribunda* complex and was identified as *Jacksonia* aff. *floribunda* and noted as a population of taxonomic interest.

**Table 1. Locations of flora of conservation significance and other flora taxa of interest recorded during the Spring 2022 survey**

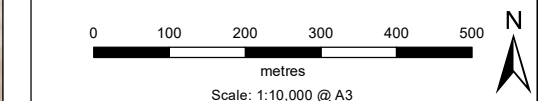
Taxa	Cons. Status	Numbers	Easting	Northing
<i>Conospermum scaposum</i>	Priority 3	1	331287	6617837
<i>Conospermum scaposum</i>	Priority 3	9	331301	6617850
<i>Conospermum scaposum</i>	Priority 3	2	331293	6617865
<i>Conospermum scaposum</i>	Priority 3	1	331509	6618836
<i>Conospermum scaposum</i>	Priority 3	2	331507	6618829
<i>Conospermum scaposum</i>	Priority 3	3	331499	6618820
<i>Conospermum scaposum</i>	Priority 3	40	331482	6618647
<i>Hensmania stoniella</i>	Priority 3	1	331615	6618615
<i>Schoenus griffinianus</i>	Priority 4	1	331192	6617659
<i>Schoenus griffinianus</i>	Priority 4	2	331270	6617803
<i>Schoenus griffinianus</i>	Priority 4	1	331275	6617807
<i>Schoenus griffinianus</i>	Priority 4	1	331258	6617811
<i>Thysanotus glaucus</i>	Priority 4	1	331511	6618013
<i>Thysanotus glaucus</i>	Priority 4	1	331523	6618011
<i>Thysanotus glaucus</i>	Priority 4	1	331521	6618006
<i>Thysanotus glaucus</i>	Priority 4	1	331477	6617981
<i>Thysanotus glaucus</i>	Priority 4	1	331487	6617981
<i>Thysanotus glaucus</i>	Priority 4	1	331270	6617803
<i>Thysanotus glaucus</i>	Priority 4	1	331283	6617804
<i>Thysanotus glaucus</i>	Priority 4	1	331249	6617806
<i>Thysanotus glaucus</i>	Priority 4	1	331257	6617808
<i>Thysanotus glaucus</i>	Priority 4	1	331310	6617936
<i>Jacksonia</i> aff. <i>floribunda</i>	Other	3	331495	6617663
<i>Jacksonia</i> aff. <i>floribunda</i>	Other	1	331493	6617652





- Legend**
- Flora and Vegetation Study Areas**
- Mine Envelope Study Area
  - External Infrastructure Study Area
  - Tenement
  - 2022 November Track Log
  - 2021 October Track Log
  - 2021 June Track Logs
  - 2020 Track Logs
  - 2019 Track Logs
- Priority Flora**
- Priority 1: *Grevillea* sp. Cooljarloo (B.J. Keighery 28 B)
  - + Priority 1: *Levenhookia preissii*
  - + Priority 2: *Calectasia palustris*
  - Priority 2: *Chordifex resemianus*
  - \* Priority 2: *Lepyrodia curvescens*
  - ★ Priority 2: *Schoenus badius*
  - Priority 3: *Angianthus micropodioides*
  - Priority 3: *Babingtonia urbana*
  - + Priority 3: *Conospermum scaposum*
  - ◆ Priority 3: *Desmocladus nodatus*
  - ◇ Priority 3: *Eryngium pinnatifidum* subsp. *palustre* (G.J. Keighery 13459)
  - ◇ Priority 3: *Hensmania stoniella*
  - ★ Priority 3: *Isopogon panduratus* subsp. *palustris*
  - ★ Priority 3: *Jacksonia carduacea*
  - Priority 3: *Leucopogon* sp. *Yanchep* (M. Hislop 1986)
  - Priority 3: *Schoenus pennisetis*
  - + Priority 3: *Stylidium aceratum*
  - Priority 3: *Stylidium hymenocraspedum*
  - Priority 4: *Anigozanthos humilis* subsp. *chrysanthus*
  - Priority 4: *Conostylis pauciflora* subsp. *euryrhypis*
  - + Priority 4: *Schoenus griffinianus*
  - ▲ Priority 4: *Stylidium longitubum*
  - \* Priority 4: *Thysanotus glaucus*

- NOTE THAT POSITION ERRORS CAN BE >5M IN SOME AREAS  
 - TENURE SOURCED DMIRS - AERIAL PHOTOGRAPHY OPEN SOURCE



CREATED BY	JOB	DATE	REVISION
ENVIRONMAPS	ATLASSPING22RF5	2/03/2023	0

Figure 1: Flora and conservation significance recorded during the Atlas survey

Figure 1: Tracks and significant flora recorded during the Atlas survey (1 of 2)



## Acknowledgements

The GIS mapping was undertaken by Simon Crofts.

## References

Morgan, B. R. (2022). Flora and vegetation survey for the Atlas Project. Report prepared for Image Resources.

Preston Consulting. (2022). Atlas Project Environmental Review Document. Prepared for Image Resources NL.

**PLATES**



**Plate 1. *Conospermum scaposum*.**



**Plate 2. *Thysanotus glaucus*.**



**Plate 3. *Jacksonia* aff. *floribunda* shrub.**



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**ATTACHMENT 2: ATLAS PROJECT - SPRING 2023  
SYSTEMATIC SEARCH FOR FLORA OF  
CONSERVATION SIGNIFICANCE IN THE BANKSIA  
WOODLANDS (MORGAN, 2023B)**

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# Memorandum

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**To: Preston Consulting**

**From: Brian Morgan, Consultant Botanist**

**Date: 22/03/2023**

**Subject: Atlas project - Spring 2023 systematic search for flora of conservation significance in the *Banksia* woodlands**

## **1.0 Introduction**

The detailed flora and vegetation survey for the Atlas project (2019 to 2021) included 61 quadrats in the original study area with broad scale opportunistic traverses. Extensive targeted searches for flora of conservation significance were undertaken in the shrublands around the margins of the floodplain and in the surrounding *Banksia telmatiaea* heaths because of the high number of Priority flora recorded in those habitats. These targeted searches, although not in the form of north-south or east-west gridlines, were systematic searches of that habitat with the searches following the convoluted boundaries of the targeted vegetation types. Other additional searches targeted some margins of the *Banksia* woodland, adjacent to the heath areas.

Feedback from the preliminary environmental assessment process for the Atlas project included comments to the effect that a greater intensity of searching for flora of conservation significance should be undertaken to better inform the assessment of the project, particularly in the *Banksia* woodland areas.

In Spring 2022 additional broad opportunistic searches for flora of conservation significance in the *Banksia* woodland were undertaken (about 5km of traverses). However, further feedback recommending a more systematic approach was received. This was interpreted to mean searching at higher intensity in a regular pattern. To address this feedback, Preston Consulting (acting for Image Resources) requested additional systematic searches for flora of conservation significance in the *Banksia* woodland areas of the current Atlas Mine Development Envelope (MDE) be undertaken in Spring 2023. Additional searches were also requested in areas immediately surrounding the MDE and some other areas in the surrounding locality.

## 2.0 Methods

Searches for flora of conservation significance in the *Banksia* woodland area of the Atlas MDE and surrounds were undertaken between the 10<sup>th</sup> and 14<sup>th</sup> and the 23<sup>rd</sup> to 27<sup>th</sup> of October 2023.

In the MDE and adjacent areas, north-south gridlines were walked at 50 metre spacing. While the great majority of the traverses were through *Banksia* woodland, areas of *Banksia telmatiaea* heaths and transitional *Melaleuca seriata* shrubland were also traversed and included in the search. Where the gridlines crossed preferred habitat for particular species (namely the *Banksia telmatiaea* heaths and the transitional *Melaleuca seriata* shrublands) these were more intensively searched within 25 metres of the gridline easting. Some additional search areas outside the MDE included parts of the Nambung floodplain around the Munbinea Rd Nambung River crossing and two select areas south of Wongonderrah Rd.

Flora of conservation significance for this survey included the *Jacksonia* aff. *floribunda* taxa that was recorded in the Spring 2022 search in the MDE and reported by Morgan (2022a). A sterile specimen was also collected in 2020, but had been identified as *Jacksonia floribunda* by the Herbarium Identification Service. The Spring 2022 specimen was considered by the Herbarium Identification Service to be part of the *Jacksonia floribunda* complex, but identified as *Jacksonia* aff. *floribunda* and noted as a ‘taxon of interest’.

The location and number of plants of flora of conservation significance observed along the gridlines and other traverses were recorded by hand held GPS. One exception to this approach was the method adopted by one field botanist in relation to the massive numbers of *Angianthus micropodioides* that occurred on parts of the Nambung River flood plain (Plate 1), in which they recorded location points in areas of flood plain with high cover of *Angianthus micropodioides*, along with general density in those stands and the percentage of areas covered by those stands and used GIS aerial images and measurement to calculate area and numbers of plants.

GPSs were uploaded with locations of previously recorded flora of conservation significance so as to minimize duplication of records. In addition, after the identifications of collected specimens and data compilation, the 2023 record locations were overlaid over the previous data records and where there were records from both surveys of the same taxa in very close proximity with similar counts, the 2023 record was deleted.



### 3.0 Results

#### 3.1 Overall search results

Fourteen Priority taxa and one other taxa of conservation significance (*Jacksonia* aff. *floribunda*) were recorded during the survey (Figure 1, Appendix 1):

Priority 1 taxa: *Grevillea cooljarloo*;

Priority 2 taxa: *Chordifex reseminans*;

Priority 3 taxa: *Angianthus micropodioides*, *Babingtonia urbana*, *Conospermum scaposum*, *Desmocladius nodatus*, *Eryngium pinnatifidum* subsp. *Palustre* (G.J. Keighery 13459), *Hensmania stoniella*, *Isopogon panduratus* subsp. *palustris* and *Stylidium aceratum*;

Priority 4 taxa: *Anigozanthos humilis* subsp. *chrysanthus*, *Schoenus griffinianus*, *Stylidium longitubum* and *Thysanotus glaucus*.

Other: *Jacksonia* aff. *floribunda*

The search tracks and locations of recorded flora of conservation significance are shown in Figure 1.

#### 3.2 Notes on recorded flora of conservation significance

##### 3.2.1 *Angianthus micropodioides* (Priority 3)

Very large numbers at high density occurred in parts of the Nambung flood plain and very large numbers were estimated for parts of the floodplain (Appendix 1 and Plates 1 to 3). While the large numbers were, in part, the result of survey method adopted by one field botanist to apply estimates over larger areas, the predicted numbers are a reasonable estimate of the very large numbers of plants occurring in these stands. Large additional areas of samphire shrubland flood plain, where the *Angianthus micropodioides* occurs, extended beyond the areas searched in this survey.

##### 3.2.2 *Anigozanthos humilis* subsp. *chrysanthus* (Priority 4)

*Anigozanthos humilis* subsp. *chrysanthus* (Priority 4) (Plate 4) was very sparsely scattered in parts of the *Banksia* woodlands. *Anigozanthos humilis* plants that were judged to have a uniformly yellow perianth were assigned 'subsp. *chrysanthus*' (Plate 4). However, numerous *Anigozanthos humilis* plants in the survey area were past their prime and had faded and the original colouring and therefore the subsp. could not confidently be determined.

*Anigozanthos humilis* subsp. *chrysanthus* is a taxa that is separated from the common *Anigozanthos humilis* subsp. *humilis* by fairly weak characters : length of scape, length and

colour of the perianth. The described range of length of scape and length of perianth of the two subspecies overlap. A range of colour forms of *Anigozanthos humilis* were noted throughout the survey area, from perianths which had extensive orange-red colouring to perianths with less orange including only tipped orange, through to the ‘entirely yellow’ perianths (Plate 4). Furthermore, Hopper, in his descriptions of *Anigozanthos humilis* subsp. *chrysanthus*, noted that it was confined ‘to a small area at the foot of the Darling Scarp near Mogumber’ (Hopper, 1993; Hopper, 1987). In conclusion, it is very likely that a single taxa in the survey area included all these colour forms and that perhaps it is more appropriate that all these forms be included under the common *Anigozanthos humilis* subsp. *humilis*. A range of specimens will be lodged with the Herbarium Identification Service and their advice sought as to the most appropriate determination.

### **3.2.3 *Eryngium pinnatifidum* subsp. Palustre (G.J. Keighery 13459) (Priority 3)**

Some confusion exists around this taxon. No formal description has been published. Specimens from the Nambung flood plain were identified by Greg Keighery as *Eryngium pinnatifidum* subsp. *Palustre* (G.J. Keighery 13459) (Morgan, 2022b), but were identified by the Western Australian Herbarium Identification Service as the common *Eryngium pinnatifidum* subsp. *pinnatifidum* ms, before subsequently deferring to the identification by Mr Keighery. *Eryngium pinnatifidum* occurs across the wetter parts of the Nambung flood plain and plants recorded during this survey were recorded as *Eryngium pinnatifidum* subsp. *Palustre* (G.J. Keighery 13459).

### **3.2.4 *Jacksonia* aff. *floribunda***

The background to the recognition and status of *Jacksonia* aff. *floribunda* has been outlined in section 3.2 above. Its distinctive narrow leaves (6 to 8mm wide) and sinuous habit (Plates 5 and 6) were in contrast to the ‘normal’ erect form of *Jacksonia floribunda* in the survey area (Plate 7). *Jacksonia* aff. *floribunda* was recorded at 38 sites within and adjacent to the MDE and a notable site about 3.6 km south of Wongonderrah Rd. It is therefore presumed to occur in the intervening areas of *Banksia* woodland south of Wongonderrah Rd.

*Jacksonia* aff. *floribunda* mostly occurred in stands without the co-occurrence of *Jacksonia floribunda*, but was recorded in a number of mixed stands. Several stands of *Jacksonia* aff. *floribunda* included a large number of plants (57 and 80 plants were recorded at two locations; Plate 8).

*Jacksonia floribunda* plants in the survey area varied in leaf form from a wide leaf (leaves 20 to 30mm wide) to a narrower, longer leaf (leaves about 15mm wide). A range of collections of both *Jacksonia floribunda* and *Jacksonia* aff. *floribunda* will be submitted to the WA Herbarium Identification Service.

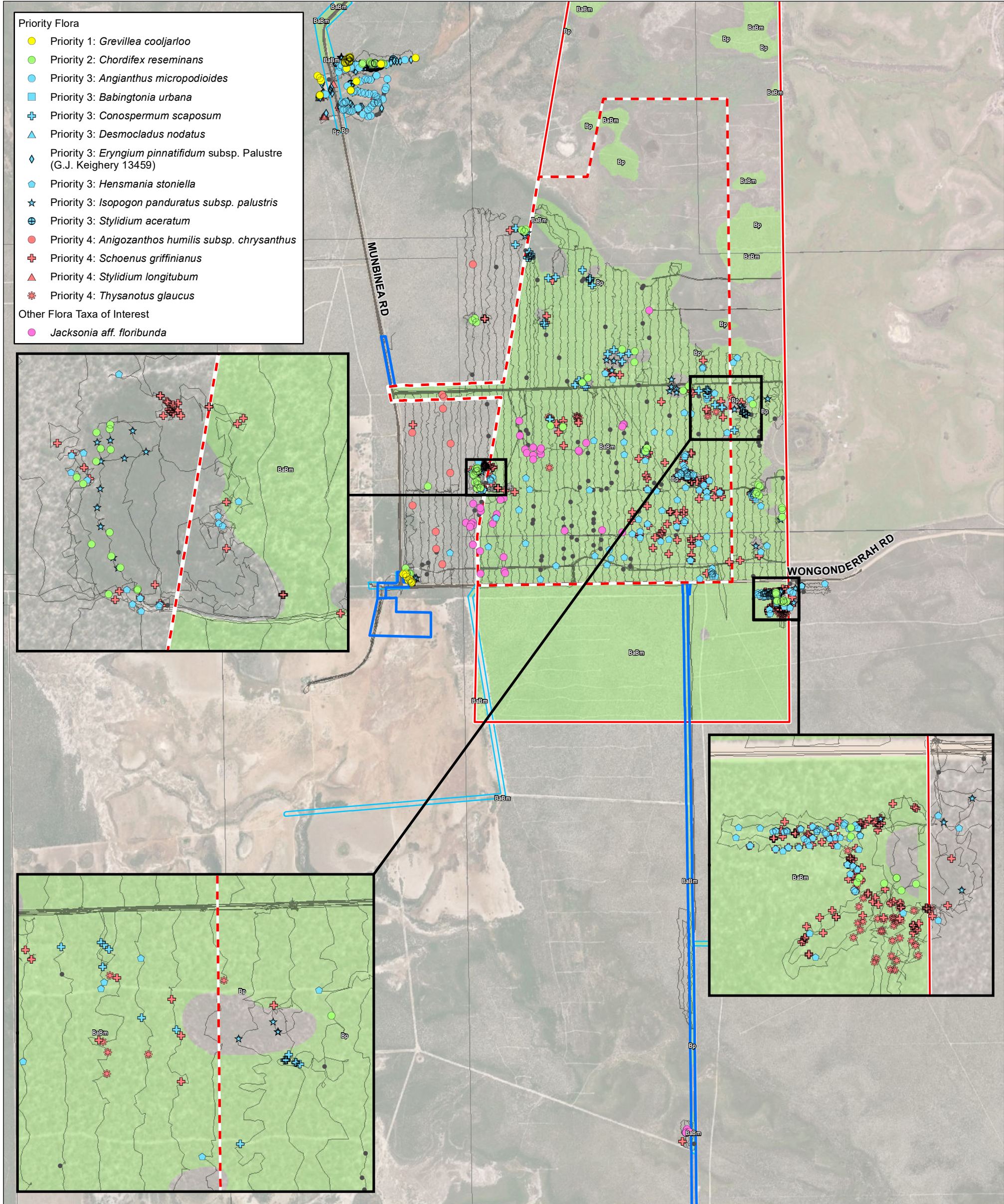
### **3.2.5 Occurrence of *Schoenus griffinianus* (Priority 4), *Hensmannia stoniella* (Priority 3) and *Thysanotus glaucus* (Priority 4)**

*Schoenus griffinianus* and *Hensmania stoniella* were observed to generally co-occur in transitional *Melaleuca seriata* shrubland vegetation around the margins of *Banksia telmatiaea* heaths and in a number of other small, low lying areas. They tended to be sparsely scattered in this habitat. *Thysanotus glaucus* also occurred in this habitat, but at much fewer locations. The largest stand of *Thysanotus glaucus* recorded in the survey was in *Melaleuca seriata* shrubland around the southern and western margins of an area of *Banksia telmatiaea* heath just south of Wongonderrah Rd (Figure 1).

### **3.2.6 *Stylidium aceratum* (Priority 3) and *Stylidium longitubum* (Priority 4)**

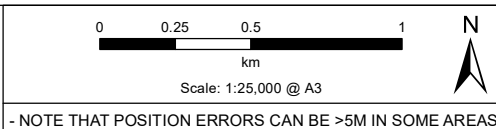
*Stylidium aceratum* and *Stylidium longitubum* were recorded on parts of the Nambung River flood plain. They tended to occur in less weedy areas of the floodplain. *Stylidium longitubum* was recorded in wetter parts of the floodplain, with numerous occurrences around the margins of *Melaleuca raphiophylla* Shrubland.





- Priority Flora**
- Priority 1: *Grevillea cooljarloo*
  - Priority 2: *Chordifex reseminans*
  - Priority 3: *Angianthus micropodioides*
  - Priority 3: *Babingtonia urbana*
  - ⊕ Priority 3: *Conospermum scaposum*
  - ▲ Priority 3: *Desmocladius nodatus*
  - ◆ Priority 3: *Eryngium pinnatifidum* subsp. *Palustre* (G.J. Keighery 13459)
  - Priority 3: *Hensmania stoniella*
  - ★ Priority 3: *Isopogon panduratus* subsp. *palustris*
  - ⊕ Priority 3: *Stylidium aceratum*
  - Priority 4: *Anigozanthos humilis* subsp. *chrysanthus*
  - ⊕ Priority 4: *Schoenus griffinianus*
  - ▲ Priority 4: *Stylidium longitubum*
  - ✱ Priority 4: *Thysanotus glaucus*
- Other Flora Taxa of Interest**
- *Jacksonia aff. floribunda*

- Legend**
- ▬ Mine Development Envelope
  - ▬ External Infrastructure Development Envelope
  - ▬ Mine Envelope Study Area
  - ▬ External Infrastructure Study Area
  - ▬ Tenement
  - Banksia Woodlands of the Swan Coastal Plain (Federal TEC (Endangered)) (State PEC (Priority 3))
  - Waypoint
  - Tracklogs



- NOTE THAT POSITION ERRORS CAN BE >5M IN SOME AREAS



CREATED BY	JOB	DATE	REVISION
ENVIRONMAPS	Spring 2023	13/11/2023	0

**Figure 1**  
**New Locations of Flora of Conservation Significance Recorded Spring 2023**



### Acknowledgements

Field work was undertaken by Brian Morgan, Dan Marsh and Andrew Waters.

The GIS mapping was undertaken by Simon Crofts.

### References

Hopper, S. D. (1987). *Anigozanthos*, *Flora of Australia* 45: 112-126.

Hopper, S. D. (1993). *Kangaroo Paws and CatsPaws. A Natural History and Field Guide*. Dept of Conservation and Land Management, Western Australia.

Morgan, B. R. (2022a). Spring 2022 Flora of conservation significance search. Unpublished memo report prepared for Preston Consulting.

Morgan, B. R. (2022b). Flora and vegetation survey for the Atlas Project. Report prepared for Image Resources.

PLATES



Plate 1. *Angianthus micropodioides* (Priority 3).



Plate 2. Typical density of *Angianthus micropodioides* on the Nambung River flood plain.





Plate 3. An extensive stand of *Angianthus micropodioides* on the Nambung River flood plain.



Plate 4. *Anigozanthos humilis* subsp. *chrysanthus* (Priority 4) recorded in the survey area.





Plate 5. Narrow leaves of *Jacksonia* aff. *floribunda*.



Plate 6. Typical habit of *Jacksonia* aff. *floribunda*.





Plate 7 *Jacksonia floribunda* in the survey area.



Plate 8 A large stand of *Jacksonia* aff. *floribunda*.]



## **APPENDICES**

**APPENDIX ONE Locations of flora of conservation significance recorded during the Spring 2023 survey**

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Grevillea cooljarloo	P1	1	330244	6616787
Grevillea cooljarloo	P1	2	330202	6616841
Grevillea cooljarloo	P1	3	330187	6616840
Grevillea cooljarloo	P1	2	330209	6616824
Grevillea cooljarloo	P1	2	330221	6616801
Grevillea cooljarloo	P1	1	330230	6616807
Grevillea cooljarloo	P1	6	330235	6616794
Grevillea cooljarloo	P1	2	330242	6616785
Grevillea cooljarloo	P1	1	329825	6620264
Grevillea cooljarloo	P1	1	329831	6620264
Grevillea cooljarloo	P1	1	329831	6620264
Grevillea cooljarloo	P1	1	329833	6620265
Grevillea cooljarloo	P1	1	329834	6620266
Grevillea cooljarloo	P1	1	329836	6620270
Grevillea cooljarloo	P1	1	329828	6620270
Grevillea cooljarloo	P1	1	329822	6620257
Grevillea cooljarloo	P1	1	329818	6620255
Grevillea cooljarloo	P1	1	329812	6620255
Grevillea cooljarloo	P1	1	329829	6620250
Grevillea cooljarloo	P1	1	329829	6620243
Grevillea cooljarloo	P1	1	329829	6620241
Grevillea cooljarloo	P1	1	329830	6620240
Grevillea cooljarloo	P1	1	329829	6620239
Grevillea cooljarloo	P1	1	329828	6620237
Grevillea cooljarloo	P1	1	329817	6620238
Grevillea cooljarloo	P1	1	329814	6620232
Grevillea cooljarloo	P1	1	329805	6620234
Grevillea cooljarloo	P1	1	329804	6620233
Grevillea cooljarloo	P1	1	329801	6620233
Grevillea cooljarloo	P1	1	329800	6620235
Grevillea cooljarloo	P1	1	329635	6620018
Grevillea cooljarloo	P1	1	329632	6620016
Grevillea cooljarloo	P1	1	330038	6620224
Grevillea cooljarloo	P1	10	329811	6620197
Grevillea cooljarloo	P1	1	329618	6620145
Grevillea cooljarloo	P1	15	329634	6620130
Grevillea cooljarloo	P1	9	329641	6620114
Grevillea cooljarloo	P1	1	329838	6620051
Grevillea cooljarloo	P1	1	329838	6620051
Grevillea cooljarloo	P1	1	329877	6620109
Grevillea cooljarloo	P1	4	330268	6620264

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Grevillea cooljarloo	P1	2	329819	6620255
Chordifex reseminans	P2	5	331375	6618110
Chordifex reseminans	P2	1	331411	6618142
Chordifex reseminans	P2	1	331638	6618332
Chordifex reseminans	P2	1	331721	6618247
Chordifex reseminans	P2	1	331723	6618318
Chordifex reseminans	P2	2	330686	6617432
Chordifex reseminans	P2	8	330678	6617441
Chordifex reseminans	P2	3	330677	6617460
Chordifex reseminans	P2	2	330666	6617516
Chordifex reseminans	P2	2	330678	6617525
Chordifex reseminans	P2	1	330670	6617526
Chordifex reseminans	P2	1	330677	6617542
Chordifex reseminans	P2	3	330678	6617545
Chordifex reseminans	P2	2	330666	6617539
Chordifex reseminans	P2	2	331164	6617825
Chordifex reseminans	P2	1	331246	6617817
Chordifex reseminans	P2	1	331802	6617677
Chordifex reseminans	P2	1	331792	6617655
Chordifex reseminans	P2	1	332041	6618059
Chordifex reseminans	P2	1	332080	6618088
Chordifex reseminans	P2	2	330699	6617414
Chordifex reseminans	P2	1	330676	6617410
Chordifex reseminans	P2	1	332525	6617372
Chordifex reseminans	P2	1	332545	6617363
Chordifex reseminans	P2	1	332699	6617281
Chordifex reseminans	P2	1	332700	6617269
Chordifex reseminans	P2	1	332701	6617219
Chordifex reseminans	P2	1	330233	6616845
Chordifex reseminans	P2	1	330227	6616844
Chordifex reseminans	P2	1	332505	6617967
Chordifex reseminans	P2	1	330201	6616878
Chordifex reseminans	P2	4	330209	6616849
Chordifex reseminans	P2	4	330213	6616840
Chordifex reseminans	P2	1	332533	6617387
Chordifex reseminans	P2	1	332541	6617434
Chordifex reseminans	P2	2	332553	6617423
Chordifex reseminans	P2	2	331000	6619128
Chordifex reseminans	P2	3	330989	6619115
Chordifex reseminans	P2	1	330002	6620229
Chordifex reseminans	P2	1	329998	6620229
Chordifex reseminans	P2	1	329998	6620230
Chordifex reseminans	P2	1	329998	6620229



<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Chordifex reseminans	P2	1	329999	6620230
Chordifex reseminans	P2	1	329999	6620232
Chordifex reseminans	P2	1	329967	6620233
Chordifex reseminans	P2	1	329965	6620239
Chordifex reseminans	P2	1	329918	6620231
Chordifex reseminans	P2	1	329914	6620223
Chordifex reseminans	P2	10	329983	6620219
Chordifex reseminans	P2	1	330042	6620231
Chordifex reseminans	P2	2	330031	6620226
Chordifex reseminans	P2	1	329982	6620227
Chordifex reseminans	P2	3	329976	6620226
Chordifex reseminans	P2	3	330662	6618536
Chordifex reseminans	P2	1	330644	6618524
Chordifex reseminans	P2	2	330673	6618512
Chordifex reseminans	P2	1	330349	6617423
Chordifex reseminans	P2	1	330662	6617450
Chordifex reseminans	P2	1	330656	6617498
Chordifex reseminans	P2	1	330651	6617503
Chordifex reseminans	P2	1	330699	6617414
Chordifex reseminans	P2	1	332694	6616659
Chordifex reseminans	P2	1	332667	6616665
Chordifex reseminans	P2	1	332658	6616709
Chordifex reseminans	P2	1	332659	6616718
Chordifex reseminans	P2	1	332707	6616665
Chordifex reseminans	P2	1	332707	6616665
Chordifex reseminans	P2	1	332665	6616660
Chordifex reseminans	P2	1	332712	6616652
Chordifex reseminans	P2	1	332728	6616658
Chordifex reseminans	P2	1	330973	6619123
Chordifex reseminans	P2	3	330052	6620228
Chordifex reseminans	P2	4	330059	6620226
Angianthus micropodioides	P3	500000	329839	6620202
Angianthus micropodioides	P3	500000	329801	6620189
Angianthus micropodioides	P3	100000	329670	6620023
Angianthus micropodioides	P3	4000000	329781	6619970
Angianthus micropodioides	P3	4000000	329789	6619962
Angianthus micropodioides	P3	4000000	329793	6619967
Angianthus micropodioides	P3	4000000	329802	6619973
Angianthus micropodioides	P3	4000000	329807	6619973
Angianthus micropodioides	P3	4000000	329887	6619932
Angianthus micropodioides	P3	4000000	329952	6619922
Angianthus micropodioides	P3	4000000	329968	6619936
Angianthus micropodioides	P3	4000000	329979	6619948

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Angianthus micropodioides	P3	150000	329995	6619967
Angianthus micropodioides	P3	150000	329995	6619967
Angianthus micropodioides	P3	2000000	330019	6619971
Angianthus micropodioides	P3	2000000	330020	6619968
Angianthus micropodioides	P3	2000000	330016	6619990
Angianthus micropodioides	P3	2000000	330016	6620003
Angianthus micropodioides	P3	2000000	330004	6620009
Angianthus micropodioides	P3	2000000	329995	6620026
Angianthus micropodioides	P3	2000000	329961	6620026
Angianthus micropodioides	P3	2000000	329934	6620029
Angianthus micropodioides	P3	2000000	329910	6620035
Angianthus micropodioides	P3	2000000	329880	6620045
Angianthus micropodioides	P3	2000000	329860	6620041
Angianthus micropodioides	P3	2000000	329853	6620038
Angianthus micropodioides	P3	#####	329816	6620079
Angianthus micropodioides	P3	1000000	329901	6620110
Angianthus micropodioides	P3	1000000	329936	6620123
Angianthus micropodioides	P3	1000000	329955	6620122
Angianthus micropodioides	P3	1000000	329970	6620120
Angianthus micropodioides	P3	1000000	330010	6620148
Angianthus micropodioides	P3	500000	330082	6620124
Angianthus micropodioides	P3	500000	330072	6620070
Angianthus micropodioides	P3	500000	330067	6620053
Angianthus micropodioides	P3	500000	330050	6619991
Angianthus micropodioides	P3	4000000	329971	6619880
Angianthus micropodioides	P3	4000000	329954	6619878
Angianthus micropodioides	P3	4000000	329921	6619890
Angianthus micropodioides	P3	4000000	329849	6619913
Angianthus micropodioides	P3	4000000	329836	6619911
Angianthus micropodioides	P3	4000000	329824	6619916
Angianthus micropodioides	P3	4000000	329813	6619922
Angianthus micropodioides	P3	4000000	329796	6619924
Angianthus micropodioides	P3	4000000	329787	6619922
Angianthus micropodioides	P3	15000	329759	6620174
Angianthus micropodioides	P3	500000	329770	6620206
Angianthus micropodioides	P3	500000	329778	6620216
Angianthus micropodioides	P3	5000000	329895	6620200
Angianthus micropodioides	P3	200000	330197	6620252
Angianthus micropodioides	P3	20000	330073	6620220
Angianthus micropodioides	P3	100000	330268	6620264
Babingtonia urbana	P3	1	329877	6620214
Babingtonia urbana	P3	10	329887	6620213
Conospermum scaposum	P3	2	331027	6618939

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Conospermum scaposum	P3	20	331031	6618951
Conospermum scaposum	P3	15	331026	6618950
Conospermum scaposum	P3	5	331009	6618942
Conospermum scaposum	P3	7	331023	6618975
Conospermum scaposum	P3	8	331033	6618960
Conospermum scaposum	P3	5	331119	6618507
Conospermum scaposum	P3	1	331123	6618493
Conospermum scaposum	P3	5	331149	6618805
Conospermum scaposum	P3	16	331197	6618812
Conospermum scaposum	P3	17	331391	6618084
Conospermum scaposum	P3	90	331401	6618084
Conospermum scaposum	P3	1	331327	6618096
Conospermum scaposum	P3	2	331373	6618117
Conospermum scaposum	P3	6	331352	6618125
Conospermum scaposum	P3	2	331375	6618856
Conospermum scaposum	P3	21	331425	6618801
Conospermum scaposum	P3	1	331424	6618797
Conospermum scaposum	P3	16	331423	6618788
Conospermum scaposum	P3	5	331438	6618757
Conospermum scaposum	P3	40	331541	6618302
Conospermum scaposum	P3	1	331583	6618328
Conospermum scaposum	P3	18	331682	6618304
Conospermum scaposum	P3	1	331629	6618301
Conospermum scaposum	P3	4	331639	6618254
Conospermum scaposum	P3	2	331158	6617869
Conospermum scaposum	P3	80	332146	6618058
Conospermum scaposum	P3	11	332199	6618064
Conospermum scaposum	P3	8	332203	6618060
Conospermum scaposum	P3	30	332210	6618055
Conospermum scaposum	P3	4	332202	6618031
Conospermum scaposum	P3	5	332253	6617964
Conospermum scaposum	P3	1	332300	6617948
Conospermum scaposum	P3	1	332463	6617902
Conospermum scaposum	P3	1	332458	6617905
Conospermum scaposum	P3	1	332458	6617905
Conospermum scaposum	P3	1	332449	6617915
Conospermum scaposum	P3	1	332445	6617908
Conospermum scaposum	P3	1	332445	6617908
Conospermum scaposum	P3	1	332445	6617908
Conospermum scaposum	P3	1	332444	6617908
Conospermum scaposum	P3	1	332443	6617908
Conospermum scaposum	P3	1	330932	6619134
Conospermum scaposum	P3	8	332384	6617797



<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Conospermum scaposum	P3	40	330930	6619025
Conospermum scaposum	P3	25	330995	6619120
Conospermum scaposum	P3	6	330973	6619123
Conospermum scaposum	P3	7	329991	6620221
Conospermum scaposum	P3	6	330989	6619115
Desmocladius nodatus	P3	2	329917	6620229
Desmocladius nodatus	P3	1	329918	6620227
Desmocladius nodatus	P3	1	329901	6620233
Desmocladius nodatus	P3	1	329898	6620231
Desmocladius nodatus	P3	1	329869	6620232
Desmocladius nodatus	P3	2	330003	6620225
Desmocladius nodatus	P3	5	329896	6620216
Desmocladius nodatus	P3	4	329763	6620239
Desmocladius nodatus	P3	1	329983	6620219
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	10	329709	6620070
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	10	329703	6620056
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	10	329705	6620049
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	10	329714	6620031
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	10	329673	6620021
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	10	329651	6620032
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329766	6619933
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329764	6619944
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329783	6619967
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329803	6619972
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329815	6619970
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329837	6619962
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329849	6619947
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329874	6619929
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329874	6619929
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329901	6619941
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329912	6619942

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329976	6619946
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329946	6619889
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329802	6619945
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	15	330073	6620220
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	30	330104	6620233
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	130	329877	6620205
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	100	329871	6620176
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	50	329855	6620188
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	12	329653	6620103
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	15	329648	6620092
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	20	329656	6620037
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	50	329655	6620036
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	15	329675	6619898
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329819	6619978
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	8	329997	6619968
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	330014	6619986
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	330015	6620004
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	330007	6620009
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	329954	6620028
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	329934	6620029
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	329904	6620039
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	329889	6620045
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	329882	6620045
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	68	329851	6620038
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	35	329896	6620111

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	35	329936	6620123
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	35	329956	6620123
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	35	329991	6620136
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	18	330082	6620121
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	18	330043	6619929
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	115	329945	6619880
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	150	330128	6620246
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	200	330145	6620243
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	200	330165	6620243
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	200	330237	6620253
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	30	329811	6620197
Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	P3	4	329638	6620002
Hensmania stoniella	P3	1	331577	6618135
Hensmania stoniella	P3	1	331525	6618175
Hensmania stoniella	P3	2	332172	6618215
Hensmania stoniella	P3	2	332170	6618208
Hensmania stoniella	P3	1	330767	6617465
Hensmania stoniella	P3	1	330764	6617467
Hensmania stoniella	P3	1	330763	6617473
Hensmania stoniella	P3	1	330780	6617484
Hensmania stoniella	P3	1	331001	6617479
Hensmania stoniella	P3	1	331451	6617727
Hensmania stoniella	P3	1	331651	6617720
Hensmania stoniella	P3	1	331652	6617637
Hensmania stoniella	P3	1	331852	6617785
Hensmania stoniella	P3	2	331802	6617677
Hensmania stoniella	P3	2	331792	6617655
Hensmania stoniella	P3	1	331786	6617662
Hensmania stoniella	P3	2	331785	6617655
Hensmania stoniella	P3	1	331797	6617650
Hensmania stoniella	P3	1	331792	6617595
Hensmania stoniella	P3	1	331952	6617786
Hensmania stoniella	P3	1	332050	6617912
Hensmania stoniella	P3	2	332058	6617635
Hensmania stoniella	P3	1	332053	6617622



<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Hensmania stoniella	P3	1	332027	6617512
Hensmania stoniella	P3	1	332030	6617508
Hensmania stoniella	P3	1	332043	6617566
Hensmania stoniella	P3	1	332055	6617547
Hensmania stoniella	P3	4	332053	6617528
Hensmania stoniella	P3	1	332068	6617513
Hensmania stoniella	P3	2	332069	6617518
Hensmania stoniella	P3	1	332072	6617505
Hensmania stoniella	P3	2	332072	6617489
Hensmania stoniella	P3	1	332009	6617497
Hensmania stoniella	P3	1	332081	6617503
Hensmania stoniella	P3	1	332093	6617507
Hensmania stoniella	P3	1	332109	6617503
Hensmania stoniella	P3	2	332181	6617437
Hensmania stoniella	P3	1	332096	6617906
Hensmania stoniella	P3	1	332204	6618011
Hensmania stoniella	P3	1	332252	6618043
Hensmania stoniella	P3	1	332199	6618003
Hensmania stoniella	P3	1	332217	6617463
Hensmania stoniella	P3	1	332334	6617780
Hensmania stoniella	P3	1	332348	6617239
Hensmania stoniella	P3	1	332286	6617385
Hensmania stoniella	P3	1	332198	6617389
Hensmania stoniella	P3	1	332200	6617352
Hensmania stoniella	P3	1	332198	6617088
Hensmania stoniella	P3	1	332250	6617013
Hensmania stoniella	P3	2	332236	6616881
Hensmania stoniella	P3	3	332231	6616858
Hensmania stoniella	P3	1	332241	6616849
Hensmania stoniella	P3	5	332235	6616844
Hensmania stoniella	P3	2	332234	6616838
Hensmania stoniella	P3	3	332237	6616829
Hensmania stoniella	P3	1	332256	6616827
Hensmania stoniella	P3	1	332091	6616935
Hensmania stoniella	P3	1	332146	6617049
Hensmania stoniella	P3	1	332149	6617403
Hensmania stoniella	P3	1	332060	6617419
Hensmania stoniella	P3	1	332005	6617334
Hensmania stoniella	P3	1	331999	6617159
Hensmania stoniella	P3	1	332055	6617202
Hensmania stoniella	P3	1	332051	6617185
Hensmania stoniella	P3	1	332154	6616813
Hensmania stoniella	P3	1	331948	6617073

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Hensmania stoniella	P3	1	331895	6617059
Hensmania stoniella	P3	1	331867	6617394
Hensmania stoniella	P3	1	331902	6617266
Hensmania stoniella	P3	1	331808	6617404
Hensmania stoniella	P3	1	331807	6617175
Hensmania stoniella	P3	1	331759	6617084
Hensmania stoniella	P3	1	331705	6617110
Hensmania stoniella	P3	1	331757	6617127
Hensmania stoniella	P3	1	331748	6617205
Hensmania stoniella	P3	1	331653	6616955
Hensmania stoniella	P3	1	331565	6616946
Hensmania stoniella	P3	2	331552	6617003
Hensmania stoniella	P3	1	331422	6617399
Hensmania stoniella	P3	1	331457	6616964
Hensmania stoniella	P3	1	331539	6616904
Hensmania stoniella	P3	1	331199	6616897
Hensmania stoniella	P3	1	331026	6617404
Hensmania stoniella	P3	1	330999	6617046
Hensmania stoniella	P3	1	331095	6616810
Hensmania stoniella	P3	1	330954	6617270
Hensmania stoniella	P3	1	330802	6617217
Hensmania stoniella	P3	1	330750	6617022
Hensmania stoniella	P3	1	330717	6617402
Hensmania stoniella	P3	1	330691	6617414
Hensmania stoniella	P3	1	332598	6617029
Hensmania stoniella	P3	1	330496	6616986
Hensmania stoniella	P3	1	332495	6617375
Hensmania stoniella	P3	1	332503	6617380
Hensmania stoniella	P3	2	332496	6617367
Hensmania stoniella	P3	2	332513	6617366
Hensmania stoniella	P3	2	332511	6617391
Hensmania stoniella	P3	1	332509	6617353
Hensmania stoniella	P3	1	332522	6617349
Hensmania stoniella	P3	1	332526	6617339
Hensmania stoniella	P3	1	332559	6616991
Hensmania stoniella	P3	2	332559	6617297
Hensmania stoniella	P3	1	332698	6617276
Hensmania stoniella	P3	1	332517	6617392
Hensmania stoniella	P3	1	332515	6617392
Hensmania stoniella	P3	1	332489	6618001
Hensmania stoniella	P3	1	332402	6618278
Hensmania stoniella	P3	1	332376	6618250
Hensmania stoniella	P3	1	330647	6617521

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Hensmania stoniella	P3	1	330656	6617523
Hensmania stoniella	P3	1	330646	6617508
Hensmania stoniella	P3	1	330695	6617403
Hensmania stoniella	P3	1	330702	6617397
Hensmania stoniella	P3	1	330684	6617585
Hensmania stoniella	P3	1	332830	6616763
Hensmania stoniella	P3	1	332830	6616764
Hensmania stoniella	P3	1	332830	6616764
Hensmania stoniella	P3	1	332830	6616764
Hensmania stoniella	P3	1	330659	6617501
Hensmania stoniella	P3	2	330716	6617401
Hensmania stoniella	P3	1	332982	6616780
Hensmania stoniella	P3	1	332773	6616718
Hensmania stoniella	P3	1	332751	6616620
Hensmania stoniella	P3	1	332714	6616628
Hensmania stoniella	P3	1	332621	6616581
Hensmania stoniella	P3	1	332615	6616606
Hensmania stoniella	P3	1	332662	6616653
Hensmania stoniella	P3	1	332658	6616670
Hensmania stoniella	P3	1	332655	6616679
Hensmania stoniella	P3	1	332661	6616678
Hensmania stoniella	P3	1	332661	6616678
Hensmania stoniella	P3	1	332657	6616707
Hensmania stoniella	P3	1	332668	6616710
Hensmania stoniella	P3	1	332668	6616710
Hensmania stoniella	P3	1	332656	6616717
Hensmania stoniella	P3	1	332647	6616708
Hensmania stoniella	P3	1	332642	6616708
Hensmania stoniella	P3	1	332636	6616707
Hensmania stoniella	P3	1	332632	6616712
Hensmania stoniella	P3	1	332631	6616713
Hensmania stoniella	P3	1	332626	6616716
Hensmania stoniella	P3	1	332623	6616717
Hensmania stoniella	P3	1	332623	6616715
Hensmania stoniella	P3	1	332622	6616714
Hensmania stoniella	P3	1	332618	6616707
Hensmania stoniella	P3	1	332612	6616704
Hensmania stoniella	P3	1	332609	6616707
Hensmania stoniella	P3	1	332605	6616717
Hensmania stoniella	P3	1	332605	6616717
Hensmania stoniella	P3	1	332591	6616715
Hensmania stoniella	P3	1	332591	6616715
Hensmania stoniella	P3	1	332590	6616716



<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Hensmania stoniella	P3	1	332576	6616714
Hensmania stoniella	P3	1	332579	6616715
Hensmania stoniella	P3	1	332579	6616715
Hensmania stoniella	P3	1	332588	6616714
Hensmania stoniella	P3	1	332537	6616708
Hensmania stoniella	P3	1	332539	6616719
Hensmania stoniella	P3	1	332562	6616718
Hensmania stoniella	P3	1	332618	6616720
Hensmania stoniella	P3	1	332638	6616719
Hensmania stoniella	P3	1	332639	6616719
Hensmania stoniella	P3	1	332651	6616721
Hensmania stoniella	P3	1	332652	6616723
Hensmania stoniella	P3	1	332659	6616718
Hensmania stoniella	P3	1	332663	6616721
Hensmania stoniella	P3	1	332666	6616718
Hensmania stoniella	P3	1	332751	6616731
Hensmania stoniella	P3	1	332665	6616674
Hensmania stoniella	P3	1	332667	6616695
Hensmania stoniella	P3	1	332644	6616699
Hensmania stoniella	P3	5	332615	6616699
Hensmania stoniella	P3	4	332592	6616698
Hensmania stoniella	P3	1	332586	6616694
Hensmania stoniella	P3	2	332579	6616696
Hensmania stoniella	P3	1	332551	6616699
Hensmania stoniella	P3	1	332508	6617378
Hensmania stoniella	P3	2	332511	6617389
Hensmania stoniella	P3	3	332528	6617383
Hensmania stoniella	P3	1	332525	6617372
Hensmania stoniella	P3	1	330701	6617407
Hensmania stoniella	P3	1	332663	6616651
Hensmania stoniella	P3	2	332603	6616698
Isopogon panduratus subsp. palustris	P3	1	331569	6618193
Isopogon panduratus subsp. palustris	P3	1	331533	6618266
Isopogon panduratus subsp. palustris	P3	3	331582	6618257
Isopogon panduratus subsp. palustris	P3	30	331966	6618134
Isopogon panduratus subsp. palustris	P3	1	330684	6617432
Isopogon panduratus subsp. palustris	P3	16	330680	6617440
Isopogon panduratus subsp. palustris	P3	13	330670	6617464
Isopogon panduratus subsp. palustris	P3	4	330667	6617479
Isopogon panduratus subsp. palustris	P3	6	330669	6617494
Isopogon panduratus subsp. palustris	P3	1	330670	6617516
Isopogon panduratus subsp. palustris	P3	1	330706	6617524
Isopogon panduratus subsp. palustris	P3	5	330689	6617519

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Isopogon panduratus subsp. palustris	P3	6	330667	6617531
Isopogon panduratus subsp. palustris	P3	10	330677	6617533
Isopogon panduratus subsp. palustris	P3	10	330678	6617545
Isopogon panduratus subsp. palustris	P3	10	330695	6617541
Isopogon panduratus subsp. palustris	P3	2	331954	6618058
Isopogon panduratus subsp. palustris	P3	4	331964	6618086
Isopogon panduratus subsp. palustris	P3	9	332000	6618072
Isopogon panduratus subsp. palustris	P3	5	331999	6618049
Isopogon panduratus subsp. palustris	P3	2	332113	6617482
Isopogon panduratus subsp. palustris	P3	7	332107	6617496
Isopogon panduratus subsp. palustris	P3	2	332525	6617032
Isopogon panduratus subsp. palustris	P3	1	332689	6617208
Isopogon panduratus subsp. palustris	P3	8	330223	6616844
Isopogon panduratus subsp. palustris	P3	1	330274	6616818
Isopogon panduratus subsp. palustris	P3	1	330264	6616820
Isopogon panduratus subsp. palustris	P3	1	330228	6616830
Isopogon panduratus subsp. palustris	P3	1	330242	6616801
Isopogon panduratus subsp. palustris	P3	1	330243	6616785
Isopogon panduratus subsp. palustris	P3	2	330247	6616787
Isopogon panduratus subsp. palustris	P3	4	330254	6616790
Isopogon panduratus subsp. palustris	P3	1	332434	6617946
Isopogon panduratus subsp. palustris	P3	1	332434	6617946
Isopogon panduratus subsp. palustris	P3	1	332428	6617959
Isopogon panduratus subsp. palustris	P3	1	332382	6617937
Isopogon panduratus subsp. palustris	P3	1	332604	6618006
Isopogon panduratus subsp. palustris	P3	20	330995	6619090
Isopogon panduratus subsp. palustris	P3	17	331011	6619108
Isopogon panduratus subsp. palustris	P3	1	329776	6620271
Isopogon panduratus subsp. palustris	P3	1	329775	6620272
Isopogon panduratus subsp. palustris	P3	1	329776	6620271
Isopogon panduratus subsp. palustris	P3	1	329777	6620270
Isopogon panduratus subsp. palustris	P3	1	329776	6620267
Isopogon panduratus subsp. palustris	P3	1	329746	6620230
Isopogon panduratus subsp. palustris	P3	1	332787	6616750
Isopogon panduratus subsp. palustris	P3	1	332757	6616725
Isopogon panduratus subsp. palustris	P3	6	332776	6616653
Isopogon panduratus subsp. palustris	P3	5	332690	6616728
Stylidium aceratum	P3	67	329971	6620197
Stylidium aceratum	P3	5	329972	6620198
Stylidium aceratum	P3	12	329979	6620200
Stylidium aceratum	P3	19	329979	6620200
Stylidium aceratum	P3	40	329923	6620201
Stylidium aceratum	P3	40	329942	6620205

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Stylidium aceratum	P3	50	329946	6620200
Stylidium aceratum	P3	18	329978	6620205
Stylidium aceratum	P3	200	329979	6620205
Stylidium aceratum	P3	70	329978	6620205
Stylidium aceratum	P3	20	329977	6620205
Stylidium aceratum	P3	20	329977	6620205
Stylidium aceratum	P3	50	329979	6620209
Stylidium aceratum	P3	10	329980	6620209
Stylidium aceratum	P3	60	329995	6620205
Stylidium aceratum	P3	10	329993	6620209
Stylidium aceratum	P3	10	329998	6620203
Stylidium aceratum	P3	200	329999	6620204
Stylidium aceratum	P3	50	330001	6620203
Stylidium aceratum	P3	50	330000	6620203
Stylidium aceratum	P3	150	330001	6620207
Stylidium aceratum	P3	100	330003	6620209
Stylidium aceratum	P3	100	330004	6620210
Stylidium aceratum	P3	200	330005	6620209
Stylidium aceratum	P3	50	330005	6620207
Stylidium aceratum	P3	200	330004	6620204
Stylidium aceratum	P3	200	330005	6620198
Stylidium aceratum	P3	30	330006	6620203
Stylidium aceratum	P3	150	330006	6620202
Stylidium aceratum	P3	100	330007	6620203
Stylidium aceratum	P3	30	330008	6620204
Stylidium aceratum	P3	300	330011	6620202
Stylidium aceratum	P3	100	330011	6620208
Stylidium aceratum	P3	40	330012	6620208
Stylidium aceratum	P3	30	330014	6620209
Stylidium aceratum	P3	10	330017	6620209
Stylidium aceratum	P3	50	330018	6620210
Stylidium aceratum	P3	100	330019	6620208
Stylidium aceratum	P3	10	330021	6620209
Stylidium aceratum	P3	10	330024	6620208
Stylidium aceratum	P3	50	330027	6620207
Stylidium aceratum	P3	50	330030	6620207
Stylidium aceratum	P3	1	330035	6620211
Stylidium aceratum	P3	10	330037	6620212
Stylidium aceratum	P3	50	330041	6620220
Stylidium aceratum	P3	50	330039	6620219
Stylidium aceratum	P3	10	330051	6620219
Stylidium aceratum	P3	20	329887	6620214
Stylidium aceratum	P3	70	329748	6620231

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Stylidium aceratum	P3	100	329746	6620230
Stylidium aceratum	P3	50	329746	6620230
Stylidium aceratum	P3	50	329746	6620230
Stylidium aceratum	P3	50	329746	6620230
Stylidium aceratum	P3	2	329632	6620010
Stylidium aceratum	P3	90	329964	6620206
Stylidium aceratum	P3	60	329970	6620215
Stylidium aceratum	P3	30	330012	6620216
Stylidium aceratum	P3	20	330028	6620218
Stylidium aceratum	P3	20	330052	6620228
Stylidium aceratum	P3	350	330059	6620226
Stylidium aceratum	P3	10	330120	6620257
Stylidium aceratum	P3	200	330116	6620247
Stylidium aceratum	P3	40	329917	6620213
Stylidium aceratum	P3	200	329840	6620097
Stylidium aceratum	P3	1	329841	6620097
Stylidium aceratum	P3	50	329844	6620092
Stylidium aceratum	P3	40	329630	6620003
Anigozanthos humilis subsp. chrysanthus	P4	1	330446	6616906
Anigozanthos humilis subsp. chrysanthus	P4	1	330402	6617122
Anigozanthos humilis subsp. chrysanthus	P4	4	330406	6617008
Anigozanthos humilis subsp. chrysanthus	P4	1	330249	6617296
Anigozanthos humilis subsp. chrysanthus	P4	1	330247	6617779
Anigozanthos humilis subsp. chrysanthus	P4	1	330650	6618897
Anigozanthos humilis subsp. chrysanthus	P4	1	330445	6618032
Anigozanthos humilis subsp. chrysanthus	P4	1	330455	6618016
Anigozanthos humilis subsp. chrysanthus	P4	1	330450	6617938
Anigozanthos humilis subsp. chrysanthus	P4	1	330498	6617511
Anigozanthos humilis subsp. chrysanthus	P4	1	330500	6617707
Schoenus griffinianus	P4	1	331122	6618504
Schoenus griffinianus	P4	2	331132	6618509
Schoenus griffinianus	P4	3	331139	6618551
Schoenus griffinianus	P4	1	331176	6618788
Schoenus griffinianus	P4	3	331577	6618164
Schoenus griffinianus	P4	1	331533	6618177
Schoenus griffinianus	P4	7	331624	6618165
Schoenus griffinianus	P4	1	332175	6618258
Schoenus griffinianus	P4	1	330770	6617484
Schoenus griffinianus	P4	1	330713	6617418
Schoenus griffinianus	P4	1	330861	6617395
Schoenus griffinianus	P4	4	331159	6617868
Schoenus griffinianus	P4	6	331162	6617874
Schoenus griffinianus	P4	3	331248	6617856



<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Schoenus griffinianus	P4	5	331201	6617839
Schoenus griffinianus	P4	1	331246	6617828
Schoenus griffinianus	P4	1	331216	6617781
Schoenus griffinianus	P4	1	331250	6617692
Schoenus griffinianus	P4	2	331349	6617847
Schoenus griffinianus	P4	7	331749	6617608
Schoenus griffinianus	P4	3	331799	6617677
Schoenus griffinianus	P4	1	331802	6617677
Schoenus griffinianus	P4	5	331786	6617662
Schoenus griffinianus	P4	8	331785	6617655
Schoenus griffinianus	P4	3	331797	6617650
Schoenus griffinianus	P4	1	331815	6617645
Schoenus griffinianus	P4	1	331805	6617623
Schoenus griffinianus	P4	2	331921	6617582
Schoenus griffinianus	P4	1	331796	6617496
Schoenus griffinianus	P4	1	331805	6617476
Schoenus griffinianus	P4	1	331898	6617985
Schoenus griffinianus	P4	1	332096	6617647
Schoenus griffinianus	P4	1	332054	6617625
Schoenus griffinianus	P4	1	332047	6617608
Schoenus griffinianus	P4	2	332027	6617512
Schoenus griffinianus	P4	1	332046	6617580
Schoenus griffinianus	P4	1	332030	6617508
Schoenus griffinianus	P4	3	332044	6617506
Schoenus griffinianus	P4	2	332052	6617527
Schoenus griffinianus	P4	2	332060	6617519
Schoenus griffinianus	P4	3	332069	6617519
Schoenus griffinianus	P4	2	332072	6617510
Schoenus griffinianus	P4	2	332075	6617502
Schoenus griffinianus	P4	1	332059	6617490
Schoenus griffinianus	P4	1	332054	6617489
Schoenus griffinianus	P4	1	332040	6617494
Schoenus griffinianus	P4	1	332072	6617484
Schoenus griffinianus	P4	1	332069	6617490
Schoenus griffinianus	P4	4	332014	6617477
Schoenus griffinianus	P4	3	332016	6617490
Schoenus griffinianus	P4	3	332011	6617493
Schoenus griffinianus	P4	4	332001	6617493
Schoenus griffinianus	P4	15	332001	6617485
Schoenus griffinianus	P4	2	332097	6617454
Schoenus griffinianus	P4	1	332100	6617459
Schoenus griffinianus	P4	2	332084	6617469
Schoenus griffinianus	P4	1	332082	6617478

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Schoenus griffinianus	P4	1	332093	6617490
Schoenus griffinianus	P4	2	332089	6617508
Schoenus griffinianus	P4	1	332096	6617506
Schoenus griffinianus	P4	2	332134	6617454
Schoenus griffinianus	P4	1	332101	6617503
Schoenus griffinianus	P4	1	332171	6617466
Schoenus griffinianus	P4	1	332172	6617448
Schoenus griffinianus	P4	1	332187	6617468
Schoenus griffinianus	P4	1	332097	6617639
Schoenus griffinianus	P4	1	332107	6618042
Schoenus griffinianus	P4	1	332099	6618054
Schoenus griffinianus	P4	1	332202	6618031
Schoenus griffinianus	P4	2	332221	6618017
Schoenus griffinianus	P4	1	332196	6617934
Schoenus griffinianus	P4	3	332260	6617397
Schoenus griffinianus	P4	1	332203	6617476
Schoenus griffinianus	P4	1	332206	6617447
Schoenus griffinianus	P4	2	332306	6617879
Schoenus griffinianus	P4	1	332306	6617940
Schoenus griffinianus	P4	2	332293	6617989
Schoenus griffinianus	P4	1	332349	6616924
Schoenus griffinianus	P4	15	332298	6617356
Schoenus griffinianus	P4	2	332291	6617381
Schoenus griffinianus	P4	1	332203	6617387
Schoenus griffinianus	P4	1	332289	6617390
Schoenus griffinianus	P4	1	332199	6617387
Schoenus griffinianus	P4	2	332250	6617352
Schoenus griffinianus	P4	1	332198	6616847
Schoenus griffinianus	P4	1	332236	6616854
Schoenus griffinianus	P4	1	332096	6616931
Schoenus griffinianus	P4	1	332091	6616935
Schoenus griffinianus	P4	1	332098	6616969
Schoenus griffinianus	P4	4	332102	6617029
Schoenus griffinianus	P4	1	332148	6617083
Schoenus griffinianus	P4	1	332099	6617061
Schoenus griffinianus	P4	1	332095	6617076
Schoenus griffinianus	P4	1	332148	6617339
Schoenus griffinianus	P4	1	332153	6617393
Schoenus griffinianus	P4	1	332049	6617261
Schoenus griffinianus	P4	1	332000	6617243
Schoenus griffinianus	P4	2	332046	6617242
Schoenus griffinianus	P4	1	332003	6617183
Schoenus griffinianus	P4	3	332051	6617185

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Schoenus griffinianus	P4	1	332004	6617070
Schoenus griffinianus	P4	1	331947	6616977
Schoenus griffinianus	P4	1	331938	6617173
Schoenus griffinianus	P4	1	331900	6617106
Schoenus griffinianus	P4	4	331956	6617252
Schoenus griffinianus	P4	2	331893	6617111
Schoenus griffinianus	P4	4	331960	6617259
Schoenus griffinianus	P4	1	331905	6617127
Schoenus griffinianus	P4	6	331866	6617398
Schoenus griffinianus	P4	1	331805	6617405
Schoenus griffinianus	P4	3	331805	6617295
Schoenus griffinianus	P4	1	331811	6617165
Schoenus griffinianus	P4	1	331855	6617084
Schoenus griffinianus	P4	1	331842	6617014
Schoenus griffinianus	P4	1	331752	6617091
Schoenus griffinianus	P4	1	331753	6617104
Schoenus griffinianus	P4	3	331701	6617196
Schoenus griffinianus	P4	1	331705	6617252
Schoenus griffinianus	P4	1	330925	6617385
Schoenus griffinianus	P4	2	330717	6617403
Schoenus griffinianus	P4	1	330685	6617412
Schoenus griffinianus	P4	1	332491	6617374
Schoenus griffinianus	P4	2	332498	6617382
Schoenus griffinianus	P4	1	332508	6617378
Schoenus griffinianus	P4	3	332511	6617382
Schoenus griffinianus	P4	6	332511	6617389
Schoenus griffinianus	P4	6	332520	6617387
Schoenus griffinianus	P4	6	332528	6617383
Schoenus griffinianus	P4	2	332510	6617341
Schoenus griffinianus	P4	1	332420	6616932
Schoenus griffinianus	P4	1	332547	6616963
Schoenus griffinianus	P4	1	330894	6619121
Schoenus griffinianus	P4	3	332429	6617981
Schoenus griffinianus	P4	1	330728	6618533
Schoenus griffinianus	P4	1	330724	6618536
Schoenus griffinianus	P4	1	330728	6618535
Schoenus griffinianus	P4	1	330250	6617831
Schoenus griffinianus	P4	1	330635	6617530
Schoenus griffinianus	P4	1	330647	6617522
Schoenus griffinianus	P4	1	330681	6617406
Schoenus griffinianus	P4	1	330815	6617410
Schoenus griffinianus	P4	1	330815	6617410
Schoenus griffinianus	P4	1	330815	6617410

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Schoenus griffinianus	P4	1	330815	6617410
Schoenus griffinianus	P4	1	330779	6617546
Schoenus griffinianus	P4	1	330783	6617550
Schoenus griffinianus	P4	1	330756	6617559
Schoenus griffinianus	P4	1	330756	6617559
Schoenus griffinianus	P4	2	330724	6617557
Schoenus griffinianus	P4	1	330726	6617558
Schoenus griffinianus	P4	1	330727	6617554
Schoenus griffinianus	P4	1	330726	6617555
Schoenus griffinianus	P4	1	330725	6617556
Schoenus griffinianus	P4	1	330723	6617563
Schoenus griffinianus	P4	1	330728	6617561
Schoenus griffinianus	P4	1	330723	6617564
Schoenus griffinianus	P4	1	330717	6617568
Schoenus griffinianus	P4	1	330717	6617568
Schoenus griffinianus	P4	1	330661	6617502
Schoenus griffinianus	P4	1	330657	6617511
Schoenus griffinianus	P4	1	330701	6617407
Schoenus griffinianus	P4	2	330719	6617402
Schoenus griffinianus	P4	1	330770	6617447
Schoenus griffinianus	P4	10	330731	6617562
Schoenus griffinianus	P4	2	330731	6617557
Schoenus griffinianus	P4	3	330734	6617552
Schoenus griffinianus	P4	5	330720	6617552
Schoenus griffinianus	P4	1	332741	6616632
Schoenus griffinianus	P4	1	332739	6616633
Schoenus griffinianus	P4	1	332738	6616633
Schoenus griffinianus	P4	1	332729	6616610
Schoenus griffinianus	P4	1	332726	6616611
Schoenus griffinianus	P4	1	332725	6616615
Schoenus griffinianus	P4	1	332725	6616615
Schoenus griffinianus	P4	1	332731	6616616
Schoenus griffinianus	P4	1	332712	6616633
Schoenus griffinianus	P4	1	332712	6616634
Schoenus griffinianus	P4	1	332704	6616640
Schoenus griffinianus	P4	1	332701	6616638
Schoenus griffinianus	P4	1	332693	6616623
Schoenus griffinianus	P4	1	332695	6616653
Schoenus griffinianus	P4	1	332688	6616637
Schoenus griffinianus	P4	1	332614	6616584
Schoenus griffinianus	P4	1	332614	6616583
Schoenus griffinianus	P4	1	332606	6616597
Schoenus griffinianus	P4	1	332609	6616597



<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Schoenus griffinianus	P4	1	332610	6616601
Schoenus griffinianus	P4	1	332610	6616602
Schoenus griffinianus	P4	1	332629	6616607
Schoenus griffinianus	P4	1	332643	6616623
Schoenus griffinianus	P4	1	332643	6616623
Schoenus griffinianus	P4	1	332677	6616648
Schoenus griffinianus	P4	1	332677	6616649
Schoenus griffinianus	P4	1	332664	6616671
Schoenus griffinianus	P4	1	332656	6616664
Schoenus griffinianus	P4	1	332655	6616679
Schoenus griffinianus	P4	1	332655	6616679
Schoenus griffinianus	P4	1	332659	6616685
Schoenus griffinianus	P4	1	332658	6616686
Schoenus griffinianus	P4	1	332657	6616686
Schoenus griffinianus	P4	1	332641	6616703
Schoenus griffinianus	P4	1	332645	6616709
Schoenus griffinianus	P4	1	332636	6616708
Schoenus griffinianus	P4	1	332636	6616708
Schoenus griffinianus	P4	1	332634	6616708
Schoenus griffinianus	P4	1	332623	6616716
Schoenus griffinianus	P4	1	332619	6616707
Schoenus griffinianus	P4	1	332614	6616711
Schoenus griffinianus	P4	1	332612	6616707
Schoenus griffinianus	P4	1	332612	6616711
Schoenus griffinianus	P4	1	332599	6616712
Schoenus griffinianus	P4	1	332600	6616712
Schoenus griffinianus	P4	1	332599	6616713
Schoenus griffinianus	P4	1	332602	6616716
Schoenus griffinianus	P4	1	332577	6616707
Schoenus griffinianus	P4	1	332577	6616707
Schoenus griffinianus	P4	1	332584	6616714
Schoenus griffinianus	P4	1	332585	6616716
Schoenus griffinianus	P4	1	332586	6616709
Schoenus griffinianus	P4	1	332577	6616707
Schoenus griffinianus	P4	1	332617	6616719
Schoenus griffinianus	P4	1	332637	6616718
Schoenus griffinianus	P4	1	332642	6616718
Schoenus griffinianus	P4	1	332668	6616723
Schoenus griffinianus	P4	1	332669	6616723
Schoenus griffinianus	P4	1	332668	6616719
Schoenus griffinianus	P4	1	332666	6616718
Schoenus griffinianus	P4	1	332666	6616718
Schoenus griffinianus	P4	1	332673	6616722

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Schoenus griffinianus	P4	1	332683	6616724
Schoenus griffinianus	P4	1	332685	6616724
Schoenus griffinianus	P4	1	332687	6616715
Schoenus griffinianus	P4	1	332688	6616721
Schoenus griffinianus	P4	1	332688	6616721
Schoenus griffinianus	P4	1	332691	6616723
Schoenus griffinianus	P4	1	332703	6616744
Schoenus griffinianus	P4	1	332765	6616685
Schoenus griffinianus	P4	1	332761	6616636
Schoenus griffinianus	P4	5	332745	6616624
Schoenus griffinianus	P4	2	332725	6616607
Schoenus griffinianus	P4	1	332739	6616632
Schoenus griffinianus	P4	1	332711	6616638
Schoenus griffinianus	P4	1	332710	6616622
Schoenus griffinianus	P4	2	332682	6616640
Schoenus griffinianus	P4	1	332684	6616644
Schoenus griffinianus	P4	2	332671	6616625
Schoenus griffinianus	P4	2	332611	6616614
Schoenus griffinianus	P4	2	332625	6616623
Schoenus griffinianus	P4	3	332638	6616631
Schoenus griffinianus	P4	1	332663	6616661
Schoenus griffinianus	P4	3	332660	6616667
Schoenus griffinianus	P4	1	332670	6616676
Schoenus griffinianus	P4	4	332661	6616685
Schoenus griffinianus	P4	2	332664	6616697
Schoenus griffinianus	P4	2	332639	6616700
Schoenus griffinianus	P4	1	332628	6616703
Schoenus griffinianus	P4	1	332617	6616700
Schoenus griffinianus	P4	4	332612	6616701
Schoenus griffinianus	P4	9	332603	6616698
Schoenus griffinianus	P4	1	332588	6616724
Schoenus griffinianus	P4	1	332646	6616725
Schoenus griffinianus	P4	1	332678	6616727
Schoenus griffinianus	P4	1	332690	6616728
Schoenus griffinianus	P4	3	332726	6616740
Schoenus griffinianus	P4	2	332728	6616738
Schoenus griffinianus	P4	1	332038	6613079
Schoenus griffinianus	P4	2	332663	6616651
Schoenus griffinianus	P4	1	332669	6616663
Schoenus griffinianus	P4	1	332665	6616674
Schoenus griffinianus	P4	2	332592	6616698
Schoenus griffinianus	P4	1	332579	6616696
Schoenus griffinianus	P4	3	332551	6616699

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Stylidium longitubum	P4	153	329724	6620092
Stylidium longitubum	P4	25	329771	6619935
Stylidium longitubum	P4	23	329766	6619939
Stylidium longitubum	P4	2	329759	6619948
Stylidium longitubum	P4	5	329759	6619954
Stylidium longitubum	P4	46	329632	6620010
Stylidium longitubum	P4	1	329792	6619945
Stylidium longitubum	P4	1	329642	6620026
Stylidium longitubum	P4	20	329648	6620019
Stylidium longitubum	P4	2	329646	6620027
Stylidium longitubum	P4	5	329638	6620011
Stylidium longitubum	P4	130	329638	6620002
Stylidium longitubum	P4	12	329630	6620003
Stylidium longitubum	P4	5	329669	6619876
Stylidium longitubum	P4	200	329664	6619880
Stylidium longitubum	P4	60	329663	6619885
Stylidium longitubum	P4	200	329666	6619890
Stylidium longitubum	P4	15	329657	6619878
Stylidium longitubum	P4	1	330001	6620014
Stylidium longitubum	P4	10	329996	6620013
Thysanotus glaucus	P4	1	331577	6618164
Thysanotus glaucus	P4	1	331555	6618175
Thysanotus glaucus	P4	1	331539	6618186
Thysanotus glaucus	P4	1	332176	6618212
Thysanotus glaucus	P4	2	331156	6617549
Thysanotus glaucus	P4	1	331162	6617874
Thysanotus glaucus	P4	1	331148	6617883
Thysanotus glaucus	P4	1	331345	6617853
Thysanotus glaucus	P4	1	331341	6617880
Thysanotus glaucus	P4	1	331339	6617889
Thysanotus glaucus	P4	1	331336	6617888
Thysanotus glaucus	P4	1	331355	6617877
Thysanotus glaucus	P4	1	332211	6618020
Thysanotus glaucus	P4	1	332262	6617916
Thysanotus glaucus	P4	1	332202	6617932
Thysanotus glaucus	P4	1	332208	6617918
Thysanotus glaucus	P4	1	332207	6617890
Thysanotus glaucus	P4	1	332363	6618013
Thysanotus glaucus	P4	1	332740	6616632
Thysanotus glaucus	P4	1	332743	6616632
Thysanotus glaucus	P4	1	332727	6616593
Thysanotus glaucus	P4	1	332705	6616567
Thysanotus glaucus	P4	1	332701	6616568



<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Thysanotus glaucus	P4	1	332730	6616583
Thysanotus glaucus	P4	1	332701	6616638
Thysanotus glaucus	P4	1	332703	6616623
Thysanotus glaucus	P4	1	332710	6616633
Thysanotus glaucus	P4	1	332705	6616622
Thysanotus glaucus	P4	1	332707	6616619
Thysanotus glaucus	P4	1	332702	6616622
Thysanotus glaucus	P4	1	332704	6616615
Thysanotus glaucus	P4	1	332703	6616599
Thysanotus glaucus	P4	1	332702	6616583
Thysanotus glaucus	P4	1	332685	6616579
Thysanotus glaucus	P4	1	332692	6616609
Thysanotus glaucus	P4	1	332693	6616621
Thysanotus glaucus	P4	1	332668	6616610
Thysanotus glaucus	P4	1	332667	6616635
Thysanotus glaucus	P4	1	332672	6616643
Thysanotus glaucus	P4	1	332662	6616652
Thysanotus glaucus	P4	4	332723	6616598
Thysanotus glaucus	P4	2	332707	6616577
Thysanotus glaucus	P4	2	332725	6616630
Thysanotus glaucus	P4	1	332712	6616620
Thysanotus glaucus	P4	1	332711	6616601
Thysanotus glaucus	P4	1	332684	6616576
Thysanotus glaucus	P4	1	332690	6616609
Thysanotus glaucus	P4	1	332687	6616622
Thysanotus glaucus	P4	1	332671	6616619
Thysanotus glaucus	P4	1	332666	6616617
Thysanotus glaucus	P4	1	332661	6616602
Thysanotus glaucus	P4	1	332663	6616651
Thysanotus glaucus	P4	1	332665	6616657
Thysanotus glaucus	P4	1	332669	6616663
Thysanotus glaucus	P4	1	332655	6616694
Thysanotus glaucus	P4	1	332711	6616638
Jacksonia aff. floribunda	CS	2	331818	6618591
Jacksonia aff. floribunda	CS	80	330959	6617760
Jacksonia aff. floribunda	CS	3	330957	6617858
Jacksonia aff. floribunda	CS	12	331049	6617682
Jacksonia aff. floribunda	CS	2	331050	6617630
Jacksonia aff. floribunda	CS	2	331050	6617603
Jacksonia aff. floribunda	CS	1	330994	6617668
Jacksonia aff. floribunda	CS	5	331006	6617643
Jacksonia aff. floribunda	CS	25	331099	6617636
Jacksonia aff. floribunda	CS	2	331093	6617661

<b>Taxa</b>	<b>Cons. Status</b>	<b>Numbers</b>	<b>Easting</b>	<b>Northing</b>
Jacksonia aff. floribunda	CS	2	331100	6617676
Jacksonia aff. floribunda	CS	8	331354	6617654
Jacksonia aff. floribunda	CS	3	331350	6617661
Jacksonia aff. floribunda	CS	14	331401	6617711
Jacksonia aff. floribunda	CS	33	331650	6617836
Jacksonia aff. floribunda	CS	20	331646	6617831
Jacksonia aff. floribunda	CS	15	331639	6617819
Jacksonia aff. floribunda	CS	10	331639	6617119
Jacksonia aff. floribunda	CS	30	331506	6617132
Jacksonia aff. floribunda	CS	10	331257	6617128
Jacksonia aff. floribunda	CS	35	330851	6617344
Jacksonia aff. floribunda	CS	3	330807	6617238
Jacksonia aff. floribunda	CS	25	330830	6617333
Jacksonia aff. floribunda	CS	1	330798	6617211
Jacksonia aff. floribunda	CS	2	330852	6616953
Jacksonia aff. floribunda	CS	10	330856	6616862
Jacksonia aff. floribunda	CS	30	330862	6616847
Jacksonia aff. floribunda	CS	17	330696	6616992
Jacksonia aff. floribunda	CS	40	330702	6617259
Jacksonia aff. floribunda	CS	25	330698	6617281
Jacksonia aff. floribunda	CS	25	330651	6617309
Jacksonia aff. floribunda	CS	64	330603	6617181
Jacksonia aff. floribunda	CS	16	330636	6617171
Jacksonia aff. floribunda	CS	5	330650	6617185
Jacksonia aff. floribunda	CS	6	330630	6617155
Jacksonia aff. floribunda	CS	60	330649	6617164
Jacksonia aff. floribunda	CS	8	330649	6617035
Jacksonia aff. floribunda	CS	2	330699	6616844
Jacksonia aff. floribunda	CS	57	330781	6617176
Jacksonia aff. floribunda	CS	4	332065	6613157
Jacksonia aff. floribunda	CS	1	332069	6613159
Jacksonia aff. floribunda	CS	41	332069	6613142
Jacksonia aff. floribunda	CS	15	332065	6613136
Jacksonia aff. floribunda	CS	1	332062	6613135
Jacksonia aff. floribunda	CS	1	332062	6613135
Jacksonia aff. floribunda	CS	1	332062	6613135
Jacksonia aff. floribunda	CS	140	332084	6613141

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## ATTACHMENT 3: WA HERBARIUM PLANT IDENTIFICATION (PERS. COMM. BRIAN MORGAN, 2023)

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**From:** Brian Morgan  
**Sent:** Monday, December 11, 2023 12:48 PM  
**To:** Kalon Gibson  
**Subject:** FW: ACC/10535/E

Hi Kalon,  
Please find the latest batch of Atlas specimen IDs to be processed through the Western Australian Herbarium Identification Service. Please note the updated ID of what had previously been called *Conostylis pauciflora* subsp. *euryrhipis* (P4) (specimen CNQ19-13) to *Conostylis crassinerva* subsp. *absens*.

The identification of 3 representative specimens of the 'yellow' catspaw has been confirmed as the P4 *Anigozanthos humilis* subsp. *chrysanthus*.

Cheers

Brian Morgan  
Consultant Botanist

**From:** Michael Hislop  
**Sent:** Monday, 11 December 2023 10:04 AM  
**To:** Brian Morgan  
**Subject:** ACC/10535/E

Hello Brian

Below are the confirmations (mostly) of 4 specimens from the Nambung area that you recently forwarded to the W.A. Herbarium:

CNQ19-13	<i>Conostylis crassinerva</i> subsp. <i>absens</i>
AAG803	<i>Anigozanthos humilis</i> subsp. <i>chrysanthus</i>
ABG43	<i>Anigozanthos humilis</i> subsp. <i>chrysanthus</i>
CGBM59	<i>Anigozanthos humilis</i> subsp. <i>chrysanthus</i>

Specimens now ready for pick-up from the Ref. Herb

Cheers Mike

