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**TARGETED THREATENED FLORA SEARCH OF CPS 8857-1, NOVEMBER 2020**

Dear Greg,

Native Vegetation Solutions (NVS) is pleased to provide the results of a targeted threatened flora search for the area proposed for clearing under CPS 8857-1 ('survey area'). The combined areas searched were approximately ~25ha with the project areas ~56km north of Esperance.

Eren Reid From NVS conducted a site visit from the 2<sup>nd</sup> to 3<sup>rd</sup> November 2020, to confirm the occurrence of any threatened flora within the survey area. The assessment was completed on foot across 8 separate areas. These areas (Appendix 1) have been labelled 1 -8.

The NatureMap database search results revealed one Threatened and three Priority Flora to occur within a five-kilometre radius of the survey area. NVS can confirm that none of these known locations occur with the survey area. A further 27 species listed as Priority Flora and one other Threatened Flora are known to occur within a 20km radius of the survey area. Appendix 2 displays these threatened flora and the potential of each species to occur within the survey area.

Twelve hours in total were spent covering the entire survey area on foot. No Threatened Flora were recorded in the survey area during the field assessment. The vegetation present in the survey area has the potential to provide suitable habitat for *Eucalyptus merrickiae* (T), however the survey area was searched extensively, and this species was not recorded during the field work.

One Priority Flora, *Acacia euthyphylla* (P3) was recorded in the survey area at several locations within areas labelled 5, 6, and 8 (Table 1 and Appendix 1).

Table 1: Priority Flora located within the survey area

TAXONNAME	SITENAME	ABUNDANCE	WACONSTAT	DATEOBS	LONGITUDE	LATITUDE
<i>Acacia euthyphylla</i>	wpt001	5	P3	2/11/2020	122.072428	-33.340689
<i>Acacia euthyphylla</i>	wpt002	2	P3	2/11/2020	122.072656	-33.340346
<i>Acacia euthyphylla</i>	wpt003	1	P3	3/11/2020	122.077510	-33.342966
<i>Acacia euthyphylla</i>	wpt004	1	P3	3/11/2020	122.077480	-33.342826
<i>Acacia euthyphylla</i>	wpt005	1	P3	3/11/2020	122.073907	-33.338807
<i>Acacia euthyphylla</i>	wpt006	1	P3	3/11/2020	122.073909	-33.338833
<i>Acacia euthyphylla</i>	wpt007	1	P3	3/11/2020	122.073956	-33.338862
<i>Acacia euthyphylla</i>	wpt008	1	P3	3/11/2020	122.074058	-33.338946
<i>Acacia euthyphylla</i>	wpt009	1	P3	3/11/2020	122.074131	-33.338967
<i>Acacia euthyphylla</i>	wpt010	1	P3	3/11/2020	122.074152	-33.339009
<i>Acacia euthyphylla</i>	wpt011	1	P3	3/11/2020	122.073832	-33.340156
<i>Acacia euthyphylla</i>	wpt012	1	P3	3/11/2020	122.074948	-33.340738
<i>Acacia euthyphylla</i>	wpt013	1	P3	3/11/2020	122.076399	-33.339805
<i>Acacia euthyphylla</i>	wpt014	1	P3	3/11/2020	122.076654	-33.339863
<i>Acacia euthyphylla</i>	wpt015	1	P3	3/11/2020	122.076818	-33.339931
<i>Acacia euthyphylla</i>	wpt016	1	P3	3/11/2020	122.077123	-33.339972

Threatened Flora was not recorded at areas labelled 1, 2, 3, 4 and 7. These areas are isolated patches that are degraded with limited understorey. Clearing of these isolated patches will not affect any threatened or priority flora in the region.

Area 6 has been historically cleared, however uncleared vegetation near the existing road contains 2 plants of *Acacia euthyphylla* (P3) (Appendix 1).

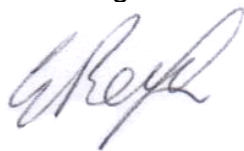
Areas 5 and 8 contain several locations of *Acacia euthyphylla* (P3), with area 5 only recording 2 locations containing 7 individual plants. These plants in area 5 represent 33% of the local population within the survey area.

Twelve plants of *Acacia euthyphylla* (P3) were recorded from 2 main locations in Area 8. It is recommended that area 8 be excluded from any future clearing as the vegetation differs from most other areas with quite an intact understorey, and higher biodiversity in comparison to the other 7 areas. For this reason, Area 8 was not covered sufficiently on foot.

An IBSA Data Package has been provided as a separate attachment including the survey area and a GPS Tracklog of the field survey.

If you have any queries regarding this work completed, please do not hesitate to contact me on the above-mentioned contact details.

Kind Regards



**Eren Reid**  
Director/Botanist

## References

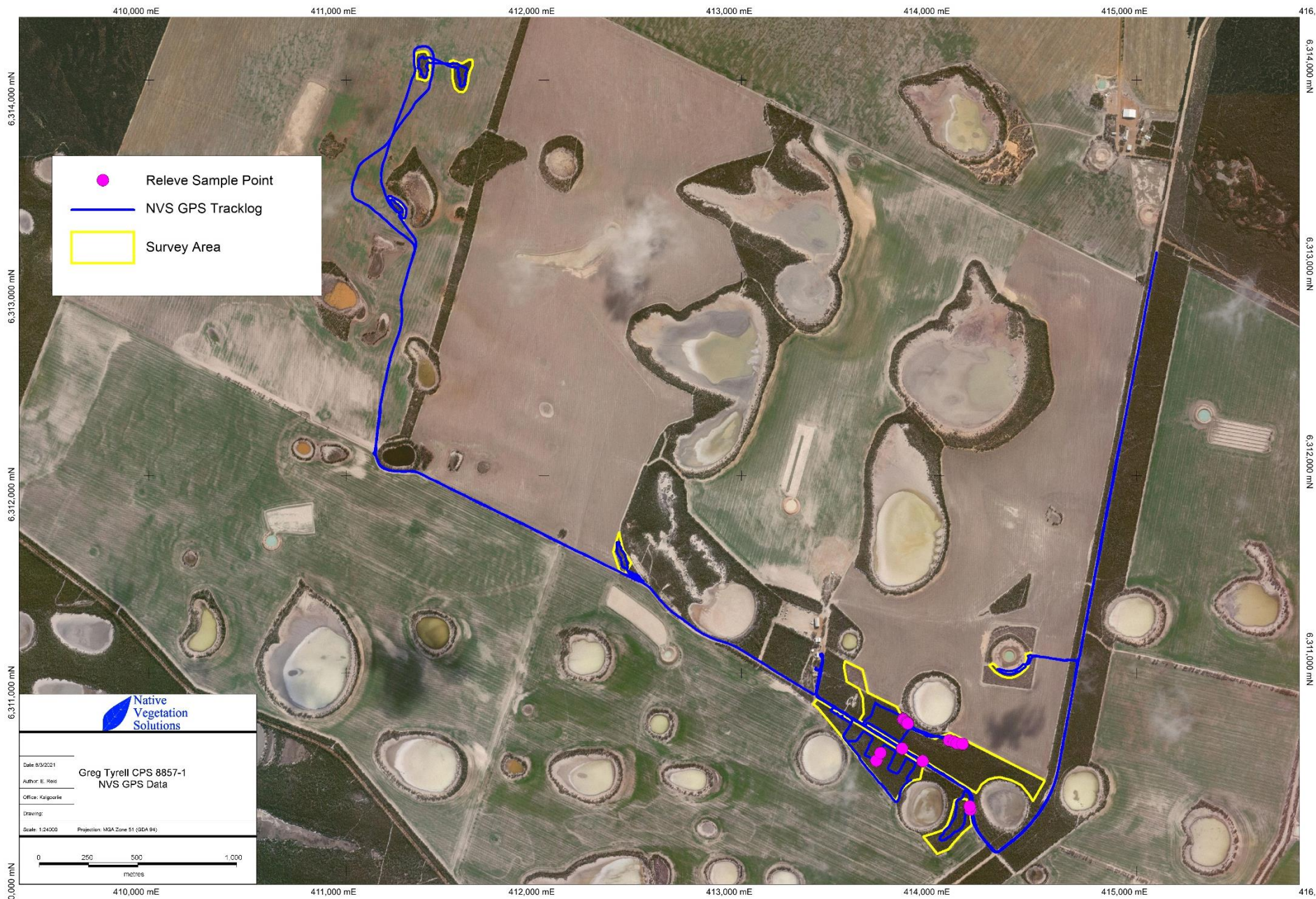
DBCA, (2020), *NatureMap Threatened Flora Search Results*, Department of Biodiversity, Conservation and Attractions  
<https://naturemap.dbca.wa.gov.au/>  
Accessed: 01/11/2020

## **Appendix 1: Maps**

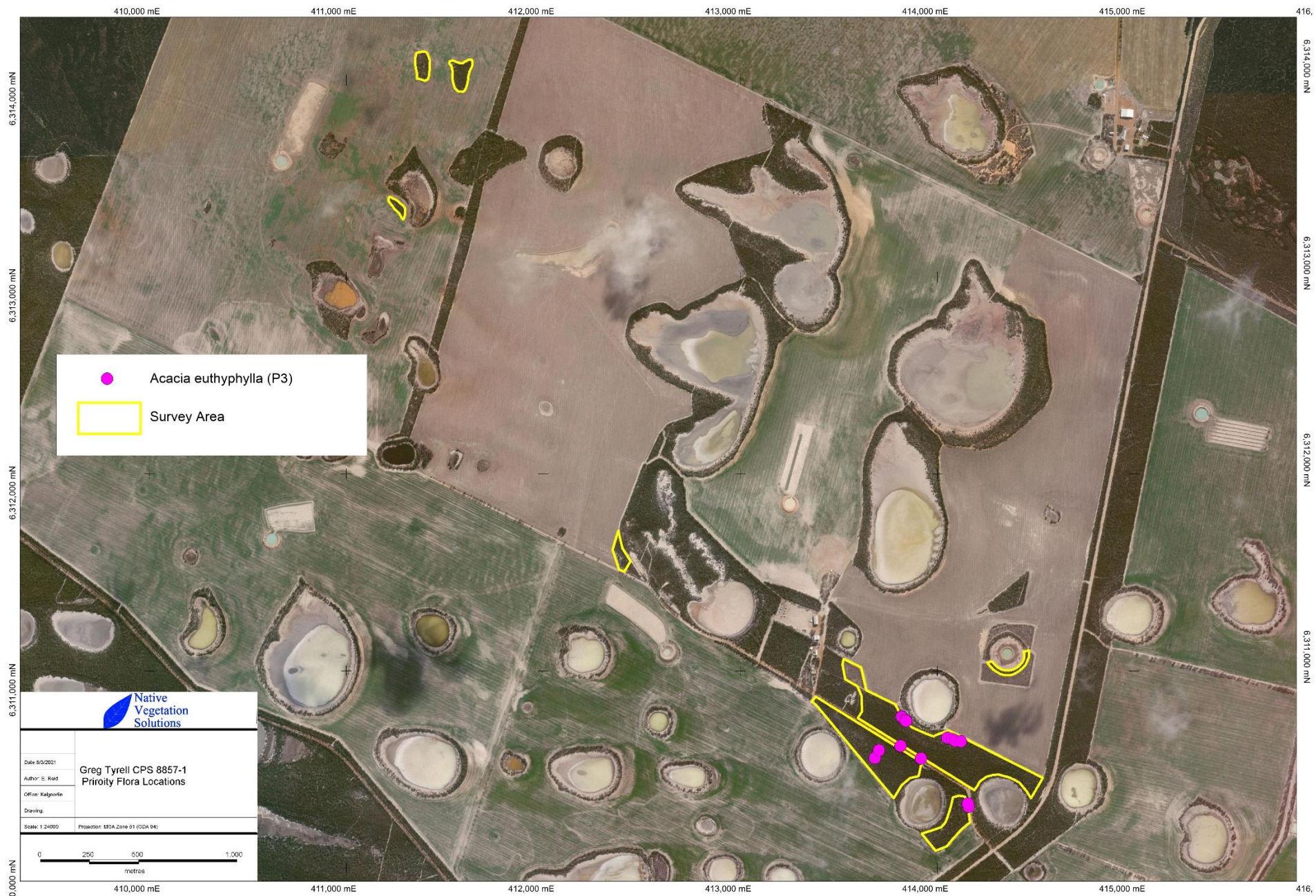












## Appendix 2: NatureMap Threatened Flora Search Results

Taxon	Status	Likelihood of occurring in the Survey Area
<i>Eremophila glabra</i> subsp. Scaddan	T	Unlikely-Possible habitat, area extensively searched
<i>Eucalyptus merrickiae</i>	T	Unlikely-Possible habitat, area extensively searched
<i>Eucalyptus</i> sp. Esperance	P1	Possible- possible habitat
<i>Hydrocotyle asterocarpa</i>	P2	Unlikely- no suitable habitat
<i>Hydrocotyle tuberculata</i>	P2	Unlikely- no suitable habitat
<i>Scaevola archeriana</i>	P1	Possible- possible habitat
<i>Darwinia</i> sp. Gibson	P1	Possible- possible habitat
<i>Aotus</i> sp. Dundas	P2	Possible- possible habitat
<i>Tecticornia indefessa</i>	P2	Unlikely- no suitable habitat
<i>Acacia euthyphylla</i>	P3	Likely, occurs in the survey area
<i>Acacia improcera</i>	P3	Possible- possible habitat
<i>Acacia glaucissima</i>	P3	Possible- possible habitat
<i>Conostephium marchantiorum</i>	P3	Possible- possible habitat
<i>Melaleuca fissurata</i>	P4	Possible- possible habitat
<i>Acacia bartlei</i>	P3	Possible- possible habitat
<i>Astroloma</i> sp. Grass Patch	P1	Possible- possible habitat
<i>Conostephium uncinatum</i>	P2	Possible- possible habitat
<i>Desmodium biflorum</i>	P3	Unlikely- no suitable habitat
<i>Eremophila serpens</i>	P4	Unlikely- no suitable habitat
<i>Goodenia laevis</i> subsp. <i>laevis</i>	P3	Possible- possible habitat
<i>Grevillea aneura</i>	P4	Unlikely- no suitable habitat
<i>Gyrostemon ditrigynus</i>	P4	Possible- possible habitat
<i>Isopogon alcornis</i>	P3	Possible- possible habitat
<i>Kunzea salina</i>	P3	Possible- possible habitat
<i>Myoporum turbinatum</i>	P4	Possible- possible habitat
<i>Persoonia cymbifolia</i>	P3	Possible- possible habitat
<i>Persoonia spathulata</i>	P2	Possible- possible habitat
<i>Pityrodia chrysocalyx</i>	P3	Possible- possible habitat
<i>Stachystemon vinosus</i>	P4	Unlikely- no suitable habitat
<i>Trachymene anisocarpa</i> var. <i>trichocarpa</i>	P3	Possible- possible habitat

Likely – suitable habitat, close (<10km) records and/or field survey completed in sub-optimal season, suggest species is likely to occur

Possible- suitable habitat, record(<50km) and/or field survey completed in sub-optimal season, suggests species possibly occurs

Unlikely- Lack of suitable habitat, no records(<50km) and /or field survey completed in optimal season, suggests species is unlikely to occur