

REVISED CPS 10630/1 APPLICATION – SUPPORTING DOCUMENT SUPPLEMENT

1. INTRODUCTION

1.1 OVERVIEW

Gold Valley Wiluna West Pty Ltd (GVW) acquired the Wiluna West Project from GWR Group Limited (GWR) in Q1 2024 and submitted a clearing permit application (CPS 10630/1) on 28 May 2024 to replace CPS 4006/3 which is in GWR's name. A Letter of Authority from GWR was provided with the original application.

The approved permit (CPS 4006/3) includes clearing for mine infrastructure associated with the approved JWD iron ore deposit and Golden Monarch gold deposit. Since the May 2024 submission, additional clearing to allow the development of additional gold resources, referred to as Gold Duke Project has been identified which will require an additional 37 ha of native vegetation. Following discussion with DEMIRS on the most efficient method to include this clearing, DEMIRS advised submission of an updated application, with additional supporting information, would be the best strategy forward (*pers. comm.* Adam Buck, DEMIRS).

This document is to complement the revised application (CPS 10630/1) relating to the clearing of 88.36 ha of native vegetation at the Wiluna West Project for the JWD iron ore deposit and Gold Duke gold deposits. This permit will replace the approved CPS 4006/3 to be in GVW's name.

This revised application contains the following changes from the original CPS 10630/1 application:

- Additional clearing of native vegetation of 30.35 ha (total clearing 88.36 ha).
- Increase in size of overall 'clearing area' from 355.1 ha to 393.6 ha.

This document contains an outline of the additional impacts from that presented in the original CPS 10630/1 supporting document.

2. PROPOSED CLEARING

3.1 EXISTING CLEARING PERMIT (CPS 4006/3)

The approved clearing permit (CPS 4006/3), for which this application will replace, is for the clearing of up to 102 ha of native vegetation within the nominated clearing area of 355.1 ha restricted clearing of 46.45 ha within the red shaded area (Figure 1, Table 1).

Table 1: Approved clearing under CPS 4006/3

AREA	FINAL CLEARING AREAS (ha)
Clearing of Native Vegetation required	102
CPS Application Area (Clearing Area)	355.1

3.2 NEW CLEARING PERMIT (CPS 10630/1)

The original CPS 10630/1 application was for clearing of 58.01 ha of native vegetation within ‘clearing area’ (CPS application area) of 355.1 ha (Table 2). This took into account the clearing of 43.99 ha of native vegetation undertaken at the JWD deposit (based on 2022-2023 CPS report).

With completion of the recent 2023-2024 CPS 4006/3 clearing report, as of 30 June 2024, approximately 50.64 ha of clearing of native vegetation has been undertaken.

This revised application relates to clearing of 88.36 ha of native vegetation within an overall ‘clearing area’ of 393.6 ha (Figure 2, Table 2). The clearing required takes into account:

- Clearing undertaken to date under CPS 4006/3.
- Additional 37 ha of clearing required for the Gold Duke Project mine infrastructure.

The additional clearing and revised clearing area are to allow for the Gold King deposit mine infrastructure and new waste dumps for Golden Monarch (Figure 2).

Table 2: Clearing proposed by GVW in this revised application in comparison to original application

AREA	FINAL CLEARING AREAS (ha)	
	- ORIGINAL CPS 10630/1	- THIS REVISED CPS 10630/1
Clearing of Native Vegetation required	58.01	88.36*
CPS Application Area (Clearing Area)	355.1**	393.6

*takes into account clearing of native vegetation completed under CPS 4006/3 @ 30 June 2024

**NB this was listed incorrectly as 102 ha in the original CPS 10630/1 application – correct shapefile was provided

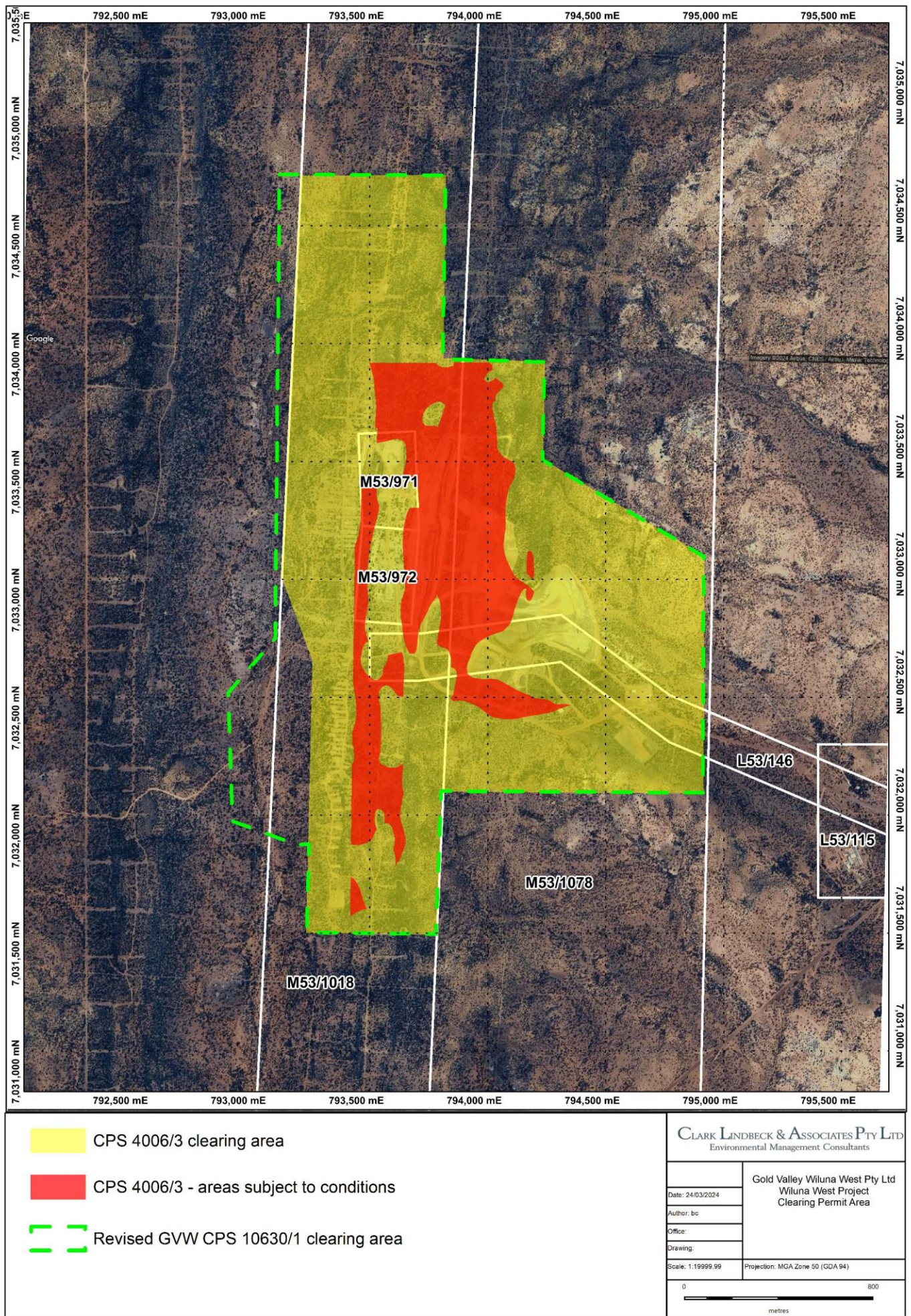
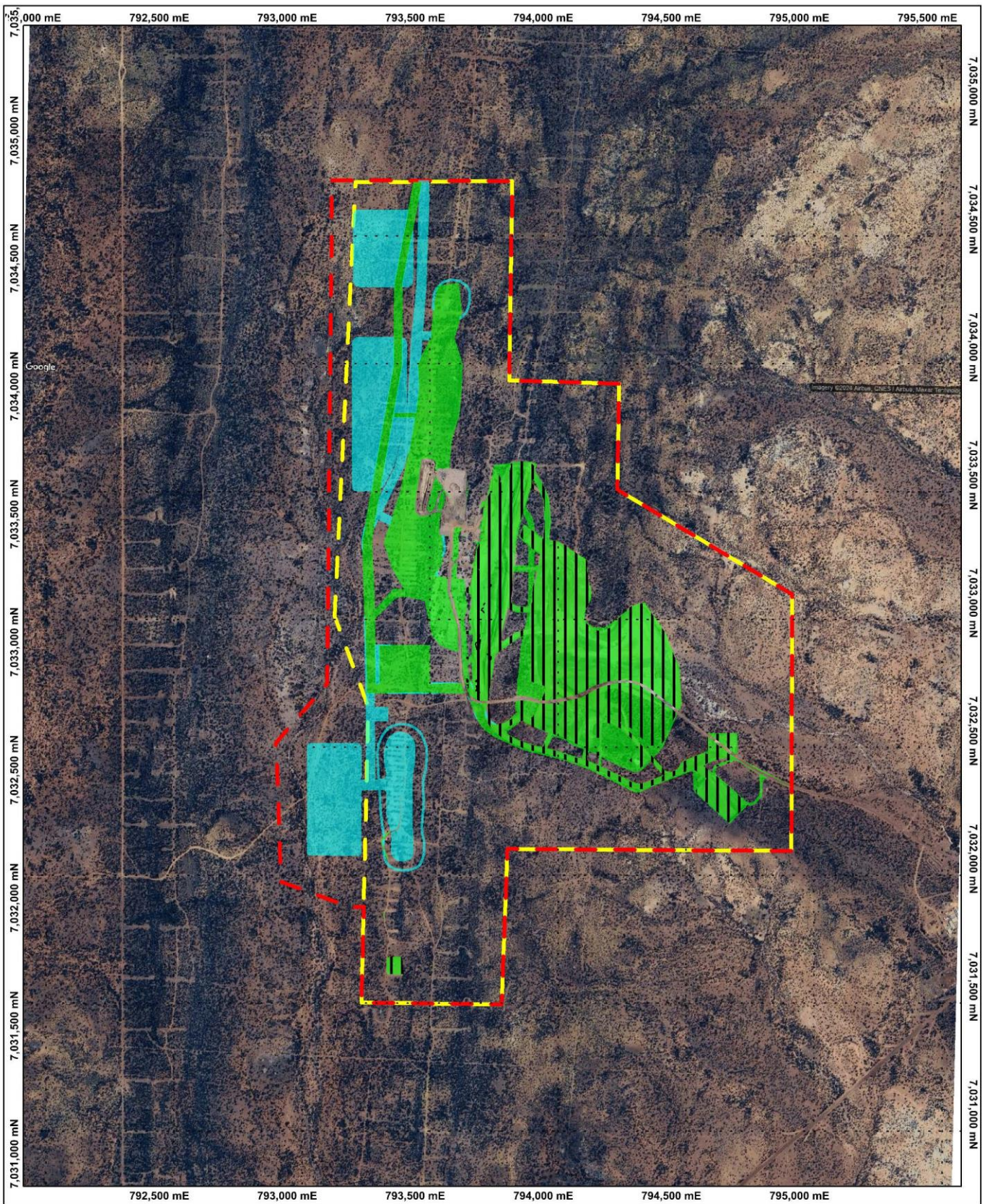


Figure 1: Approved CPS 4006/3 plan showing overall and restricted clearing areas with revised CPS 10630/1 clearing area



<p>Original GWV application</p> <ul style="list-style-type: none"> Proposed GWV CPS clearing area Vegetation clearing proposed (excludes pre-mining disturbance) Vegetation cleared @ 30 June 2024 		<p>Revised GWV application</p> <ul style="list-style-type: none"> Revised CPS 10630/1 area proposed Additional clearing required for Gold King infrastructure 	
<p>CLARK LINDBECK & ASSOCIATES PTY LTD Environmental Management Consultants</p>		<p>Gold Valley Wiluna West Pty Ltd Wiluna West Project Clearing Permit Area</p>	
Date: 24/03/2024	Author: bc	Office:	Drawing:
Scale: 1:20000.01	Projection: MGA Zone 50 (GDA 94)		
<p>0 800</p> <p>metres</p>			

Figure 2: Clearing for GWV permit

3. SITE OVERVIEW

Information to support the additional clearing required for Gold King and Golden Monarch infrastructure, i.e. where the impacts are different from that presented in the original CPS 10630/1 supporting information, are included in the following sections for:

- Surface water
- Vegetation and Flora
 - Project vegetation
 - Flora and *Sida picklesiana* (P3).
 - Fauna

The other site overview information included in the original CPS 10630/1 supporting document is considered consistent with the revised CPS area.

3.1 SURFACE WATER

There are no surface water bodies of significance, lakes or swamps in the proposed clearing area.

Rockwater (2023) completed an updated surface water assessment of the Golden Monarch area to include the additional areas of clearing associated with the Golden Monarch and Gold King infrastructure.

The Golden Monarch and Gold King project area is elevated above the surrounding major drainage lines and straddles a drainage divide. There are three local surface water catchments with the potential for peak flows to impact the proposed infrastructure (Figure 3). These catchments are small and range in size from 0.1 km² – 2.0 km² and are of low velocity (Rockwater 2023).

Hydraulic analyses for the 1 in 100 year flood event and PMF event in relation to the mine infrastructure indicates no flood protection measures area required (Rockwater 2023).

3.2 VEGETATION AND FLORA

3.2.1 Surveys completed

The additional clearing area in this revised application was encompassed in the surveys as listed in the original application, including the NVS (2018) *Sida picklesiana* survey included as Appendix 4 in the original application.

Subsequent to this NVS (2019) completed a targeted Priority flora surveys for the Gold King exploration program and confirmed no Priority flora occurred in this area (*S. picklesiana* identified in NVS (2018) in this area was confirmed to be *Sida ectogama*).

3.2.2 Project Vegetation

Consistent with the original application, the revised clearing area comprises the same 13 vegetation communities as identified by Recon (2010).

Figure 4 shows the revised clearing area in comparison with that in the original CPS 10630/1 application. Recon (2010) lists vegetation group SIMS-B and SIMS-M as being closely associated with BIF, and has been recognised as important vegetation groups.

Table 3 presents the cumulative impact of the clearing at the Project on the vegetation communities present, and includes the clearing associated with the original application, and this revised CPS 10630/1 application. The calculations include clearing undertaken to allow assessment of cumulative impacts.

The majority of the additional native vegetation clearing required in this application (28.36 ha of 37 ha clearing proposed) is located within SAES 'Stony Acacia Eremophila Shrubland' which is located off the BIF (Table 3). This clearing will not significantly reduce the extent of this vegetation group at the Project.

Taking into account the cumulative vegetation clearing at the Project (including CPS 4006/3) three vegetation communities (SIMS-B and LOMS and SIMS-M) will be reduced by 31-39% of their total extent within the Project area. These areas are identified as 'restricted areas of clearing' on the existing CPS 4006/3 (and CPS 6726/2). In relation to the additional clearing required in this revised application:

- SIMS-B: no change – impacts consistent with CPS 4006/3
- LOMS: no change (nil clearing) – impacts consistent with that assessed for CPS 4006/3
- SIMS-M: additional 2.55 ha of clearing required. Cumulative impact on the extent of this community at the overall Project increases from 31.66% to 34.27%.

None of the additional clearing required for the other vegetation communities presented in Table 3 will significantly reduce their extent at the Project.

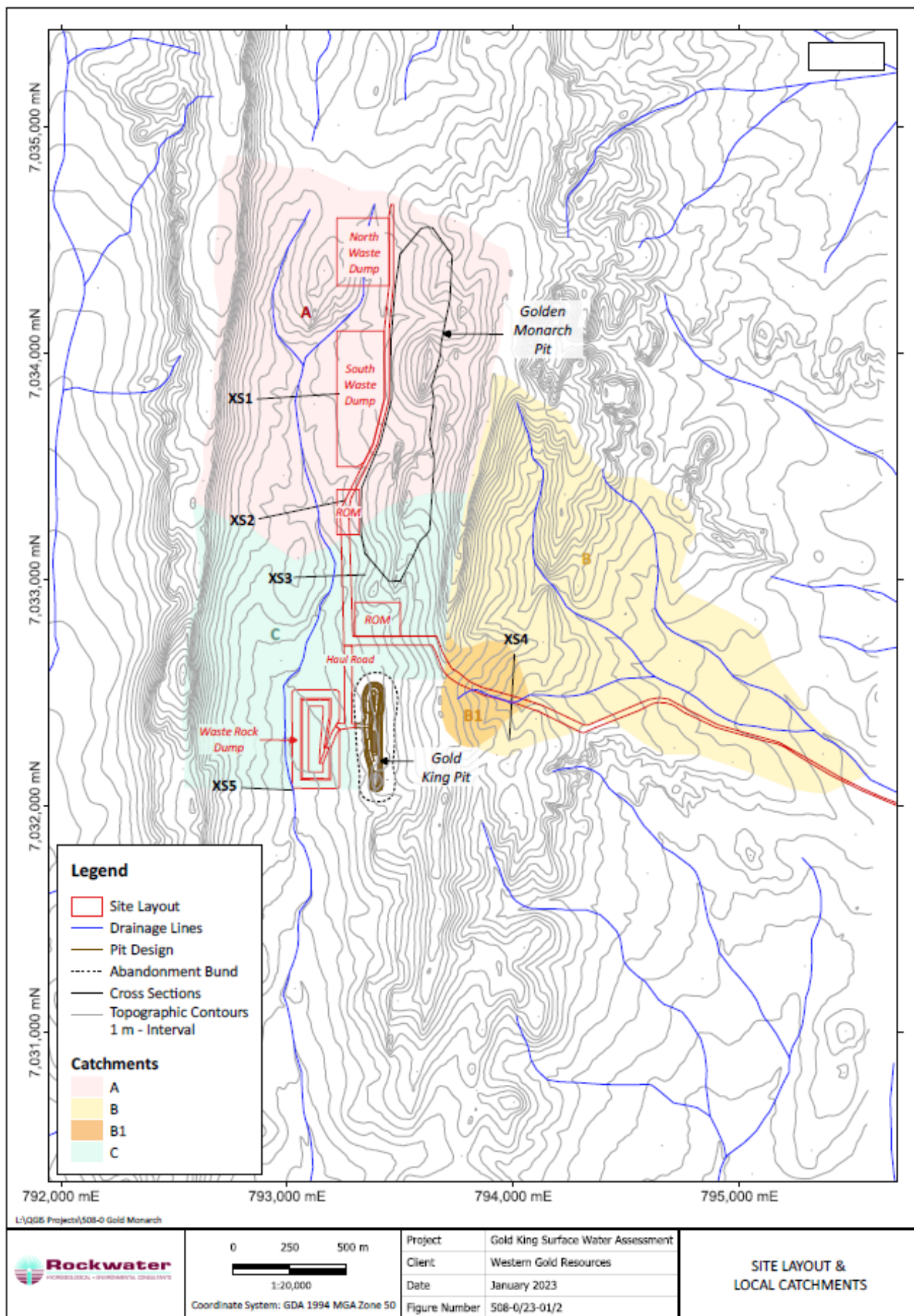


Figure 3: Golden Monarch-Gold King surface water catchments and drainage (from Rockwater 2023)

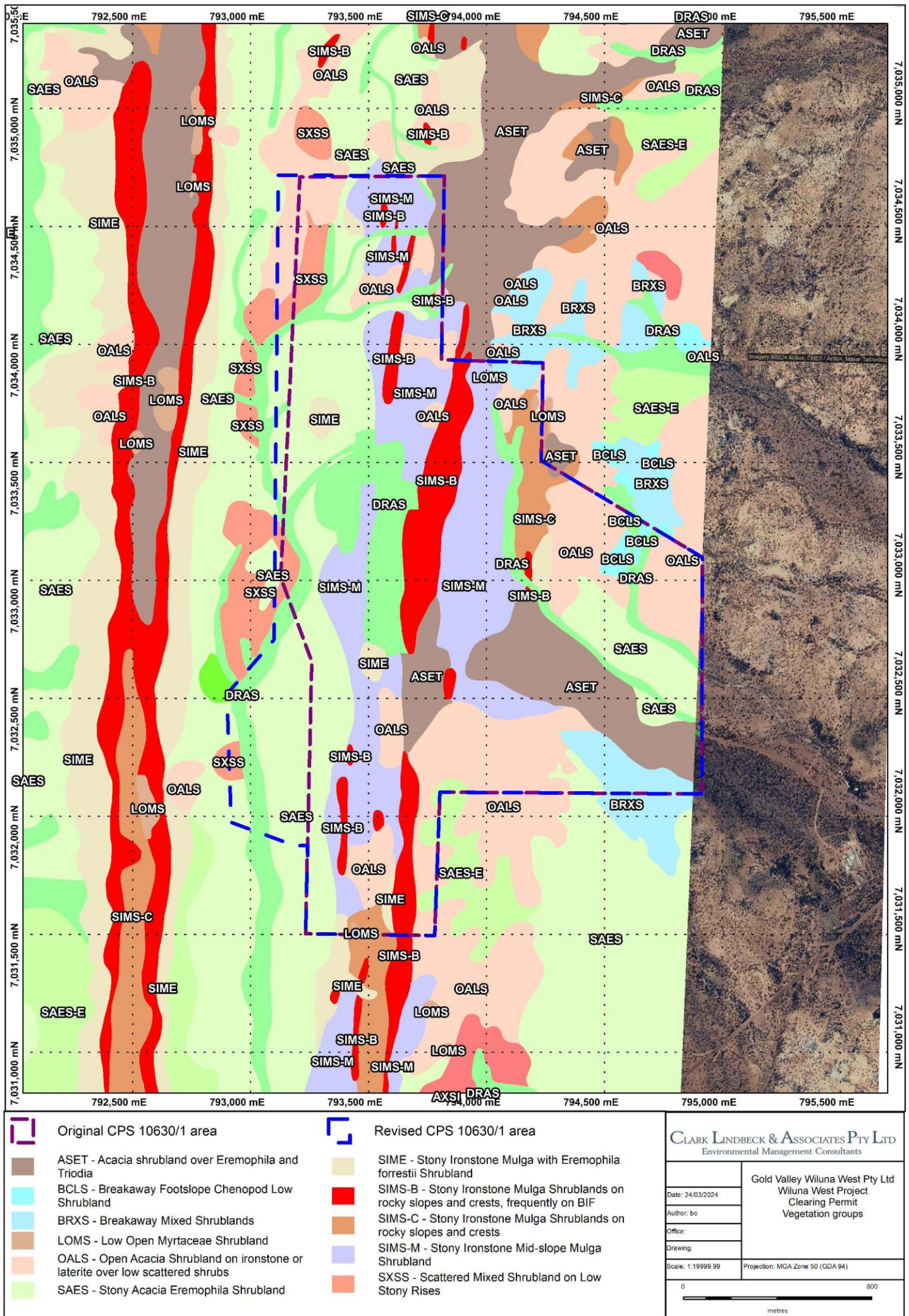


Figure 4: Vegetation groups in the original and revised CPS 10630/1 clearing areas

Table 3: Cumulative impacts to vegetation communities for original and revised CPS 10630/1 clearing

Vegetation Unit	Vegetation Type	DEC Community	Total clearing for original CPS 10630/1	Total clearing for revised CPS 10630/1	Difference between original and revised CPS 10630/1	Overall Project clearing – original CPS 10630/1**	Overall Project clearing – revised CPS 10630/1**	Total Veg group at Project (ha)	Overall Project % Cumulative Impact on Veg group – original CPS 10630/1***	Overall Project % Cumulative Impact on Veg group – revised CPS 10630/1***
SIMS-B	Stony Ironstone Mulga Shrublands on rocky slopes and crests, frequently on BIF	Type 1	16.5	16.50	Nil	100.77	100.77*	258.1	39.04	39.04
ASET	Acacia shrubland over Eremophila and Triodia	Type 2	18.15	20.25	2.10	106.08	108.18*	378.3	28.04	28.60
LOMS	Low Open Myrtaceae Shrubland		Nil	Nil	Nil	40.04	40.04*	109.4	36.60	36.60
SIMS-C	Stony Ironstone Mulga Shrublands on rocky slopes and crests		1.5	1.5	Nil	66.02	66.02	879.3	7.51	7.51
UAET	Undulating lateritic slopes of Acacia over low Eremophila and Triodia		Nil	Nil	Nil	20.35	20.35	260.6	7.81	7.81
SUAE	Stony undulating slopes of <i>Acacia rhodophloia</i> over Eremophila and low shrubs		Nil	Nil	Nil	15.96	15.96	274.5	5.81	5.81
SAEC	Stony <i>Acacia rhodophloia</i> and <i>Eremophila congesta</i> (P1) Shrubland occurring on crests		Nil	Nil	Nil	0.21	0.21	50.9	0.41	0.41
OALS	Open Acacia Shrubland on ironstone or laterite over low scattered shrubs	Type 3	7.1	7.33	0.23	130.03	130.26	736	17.67	17.70
AXSI	Acacia Mixed Shrubland on Stony Ironstone Slopes		Nil	Nil	Nil	2.12	2.12	53.4	3.97	3.97
SXSS	Scattered Mixed Shrubland on Low Stony Rises		Nil	2.4	2.4	9.7	9.70	92.3	10.51	13.11
SAES, SAES-E	Stony Acacia Eremophila Shrubland	Type 4	9.2	37.56	28.36	472.72	501.08	3004.7	15.16	16.68
DRAS	Drainage Tract Acacia Shrubland		14.71	16.23	1.52	69.43	70.95	830.9	8.36	8.54
USCS	Upland Small Chenopod Species Shrubland		Nil	Nil	Nil	5.82	5.82	53.6	10.86	10.86
SIME	Stony Ironstone Mulga with <i>Eremophila forrestii</i> Shrubland	Type 5	4	4	Nil	189.1	189.1	748.8	25.25	25.25
SMEC	Stony Slopes Mulga <i>Eremophila congesta</i> (P1) Shrubland		Nil	Nil	Nil	5.61	5.61	319.7	1.75	1.75
MSET	Mulga Shrubland over <i>Eremophila forrestii</i> and Triodia		Nil	Nil	Nil	120.33	120.33	1083.9	11.1	11.10
SIMS-M	Stony Ironstone Mid-slope Mulga Shrubland	Type 6	29.95	32.5	2.55	30.97	33.52*	97.8	31.66	34.27
BCLS	Breakaway Foothill Chenopod Low Shrubland	NS	Nil	Nil	Nil	0.3	0.30	43.9	0.68	0.68
BRXS	Breakaway Mixed Shrublands	NS	0.87	0.73	-0.14	1.53	1.39	47.7	3.21	2.91
CBKW	Creek Bank Woodland or Shrubland	NS	Nil	Nil	Nil	0.01	0.01	42.4	0.03	0.03
MUWA	Mulga Wanderrrie Grassy Shrubland	NS	Nil	Nil	Nil	0.21	0.21	75.5	0.28	0.28
HPMS	Hardpan Plain Mulga Shrubland	NS	Nil	Nil	Nil	7.8	7.80	881.9	0.88	0.88
GRMU	Hardpan Plain Mulga Grove	NS	Nil	Nil	Nil	0.89	0.89	462.9	0.19	0.19
TOTAL CLEARING OF NATIVE VEGETATION (ha)***			102***	139***	37	1396***	1433***			
TOTAL CLEARING TAKING INTO ACCOUNT CLEARING @ 30 JUNE 2024 (i.e. 102 ha minus 50.64 ha)			51.36	88.36	37					

clearing of >30% of total extent at Project to be undertaken (i.e. 'restricted' vegetation communities)

*Considered maximum amount of clearing for vegetation group

** includes vegetation clearing under CPS 6726/2 (CPS 10630/1) to allow cumulative impacts at the overall Wiluna West Project to be considered

*** this figure includes clearing already undertaken at JWD consistent with impacts for CPS 4006/3

3.2.3 Flora

No new Priority flora species are located in the revised overall clearing area (Figure 5).

An assessment of the impact on the Priority flora species occurring in the original and revised application areas is presented in Table 4.

These species are not limited to the clearing area.

Table 4: Priority flora recorded during targeted Priority surveys in the clearing area

Name	DBCA Conservation Status	# individuals recorded	# individuals to be impacted - Original CPS 10630/1	# individuals to be impacted - Revised CPS 10630/1	Local and/or Regional Population
<i>Homalocalyx echinulatus</i>	P3	325	20	20	>2000*
<i>Olearia mucronata</i>	P3	2	Nil	Nil	400
<i>Ptilotus luteolus</i>	P3	pnd	Nil	Nil	>2000
<i>Sida picklesiana</i>	P3	6,382	6,382	6,402	31,312** (>33,780 regionally)

pnd- size of population not determined

* - GWR records have ~>19,000 plants recorded, thus the impact on the recorded population at Wiluna West is estimated at ~8%

** - this number only includes those recorded in surveys commissioned by GWR. At the time of these surveys the extent of this species was not well known, it is now known to have a far wider distribution.

3.2.4 *Sida picklesiana* (P3)

GVW has included provision for clearing of an additional 20 individuals of *Sida picklesiana* for the clearing Golden Monarch haul road/abandonment bund from that included in the original application (Table 4).

Table 5 presents the impacts on this species locally and regionally.

Table 5: *Sida picklesiana* population to be impacted within the clearing permit area – original and revised CPS 10630/1

CPS submission	Number of plants counted in the survey area	Wider Local population counts (based on NVS, 2018)	Percentage of plants affected locally	Regional population counts based on previous surveys	Percentage of plants affected regionally
Original CPS 10630/1	6,382	31,312	20.38%	>33,780	<18.89%
Revised CPS 10630/1	6,402	31,312	20.44%	>33,780	18.95%

As indicated in the original supporting document, the wider regional population records presented here have been collected mostly by following existing tracks and roads in the region. This limited form of searching has yielded significant results for the amount of time expended, which is perhaps an indication of the potential greater distribution and abundance of this taxon (NVS 2018).

Since these surveys were completed, the species is now known “from 32 Western Australian Herbarium records, representing 19 populations that extend over a range of approximately 250 kilometres across two IBRA Bioregions, indicating that it is not locally restricted” (excerpt from DMIRS CPS 8651/1 Decision Report).

Consistent with the original application (and CPS 4006/3), although removal of these plants within the clearing area is likely to have a low-medium impact on this species locally, the regional implications are considered insignificant.

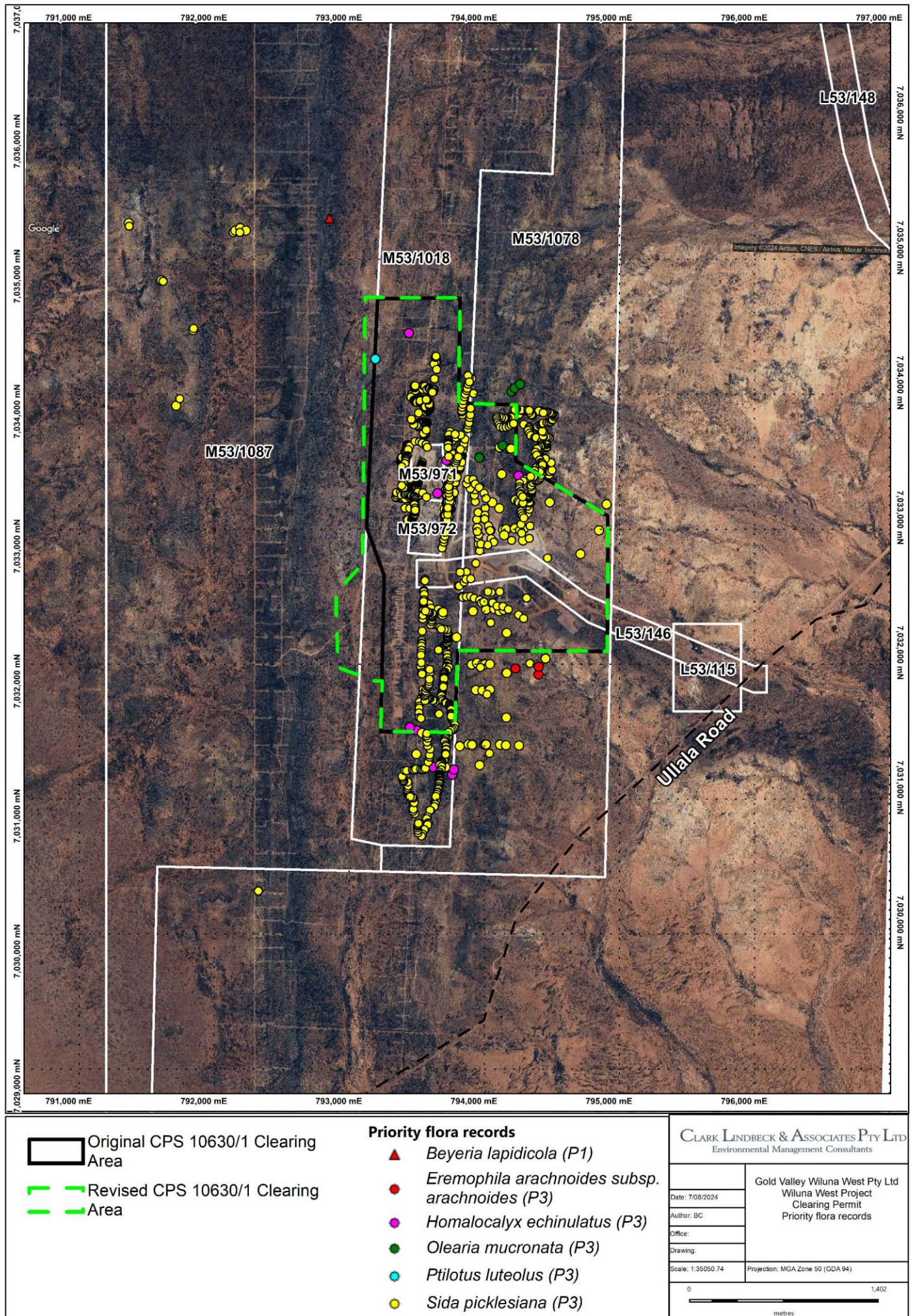


Figure 5: Priority flora records at the Project within and in proximity to the clearing area

3.3 FAUNA

The survey work completed at the Project was detailed in the original CPS 10630/1 application supporting document.

No evidence of Malleefowl has been recorded in the original or revised clearing area and the revised clearing area does not include the MSET or ASET vegetation groups, which, as detailed in the original supporting document, appears to be preferred Malleefowl breeding habitat.

Malleefowl records has been restricted to west of the clearing area on top and west of the 'C' ridge (refer to Figure 13 in original supporting document).

All activities will continue to be undertaken in accordance with the Malleefowl Management Plan, which includes completion of a targeted Malleefowl survey prior to all clearing activities.

The additional 37 ha of clearing proposed in the revised application is not expected to have a significant impact on, or, significantly reduce the extent of fauna or fauna habitats at the Project or in the region.

The impacts are considered to be consistent with that previously assessed for CPS 4006/3.

4 REFERENCES

Native Vegetation Solutions (2018). *Targeted Counts of Sida picklesiana (P3) within the Wider Local Populations on the Herbert Lukin Range (Wiluna)*. Report prepared for GWR, 19 September 2018.

Recon Environmental (2010). *Herbert Lukin Ridge & Surrounds Vegetation Survey*. Unpublished report prepared for Golden West Resources, May 2010.

Rockwater (2023). *Surface Water Assessment (Golden Monarch-Gold King)*. Report prepared for Western Gold Resources Limited, January 2023.