MEMORANDUM

To:	Paul Bullock, South32 Worsley Alumina
From:	Ecology Matters Australia Pty Ltd
Date:	8 September 2026
Re:	Saddleback Rehabilitation Fauna Monitoring Program: Winter and Spring 2025 Survey Summary

Overview

This memo summarises the Winter 2025 and Spring 2025 survey rounds of the Vertebrate Fauna Monitoring Program at Saddleback Mine, part of Ecology Matters Australia's ongoing rehabilitation monitoring for South32 Worsley Alumina. These are the first two of three survey rounds forming the 2025–2026 monitoring cycle. The Autumn 2026 round has also been completed; a full report covering all three survey rounds, with detailed results and discussion, will be provided in the next reporting year.

Trip details

Survey	Dates	Nights per site	Sites surveyed
Winter 2025	11–21 June 2025	7	11 (8 rehabilitation, 3 reference)
Spring 2025	11–21 October 2025	7	11 (8 rehabilitation, 3 reference)

Methodology Overview

Fauna were surveyed at each of the 11 monitoring sites using a combination of methods: standardised trapping grids (pitfall, box, funnel and cage traps) for mammals, reptiles and amphibians; motion-triggered camera traps; ultrasonic bat recorders; audio recorders and area-search surveys for birds; and timed active searches. Opportunistic camera trapping was also undertaken during Spring 2025 (19 cameras) to investigate recent Chuditch (Dasyurus geoffroii) records in the area.

Survey method	Winter + Spring 2025
Pitfall traps	1,250 nights
Funnel traps	250 nights
Box traps	1,250 nights
Cage traps	1,000 nights
Camera traps (systematic)	3,515 nights
Camera traps (opportunistic)	810 nights
Ultrasonic recorders	32 nights
Audio recorders	42 nights

Birding and active searches are timed rather than night-based: 51.3 hours of birding and 22 hours of active searching were carried out across the two survey rounds.

Raw data

A total of 3,160 raw survey records were collected across the Winter and Spring 2025 rounds, representing 114 species. The complete raw dataset is provided separately as a CSV extract from Ecology Matters

Australia's master field database, together with a summary species list (Excel) that includes conservation status and any new site records.

Species highlights

A total of 114 species were recorded across the Winter and Spring 2025 surveys, comprising:

Taxa	Species recorded
Birds	66
Reptiles	17
Mammals (excluding bats)	15
Bats	8
Frogs	8

Six species of conservation significance were recorded during the Winter and Spring 2025 surveys:

Common name	Species	Status	Sites recorded
Chuditch	*Dasyurus geoffroii*	Vulnerable (EPBC Act, WA BC Act)	6 of 11: M02JR, M13J, NP87, NSS02, SW15, WS05
Carnaby's Cockatoo	*Zanda latirostris*	Endangered (EPBC Act)	—
Forest Red-tailed Black-Cockatoo	*Calyptorhynchus banksii*	Vulnerable (EPBC Act)	—
Baudin's Cockatoo	*Zanda baudinii*	Vulnerable (EPBC Act)	—
Brush-tailed Phascogale	*Phascogale tapoatafa*	Priority 3 (WA BC Act)	2 of 11: M02JR, WP90
Western Brush Wallaby	*Notamacropus irma*	Priority 4 (WA BC Act)	11 of 11 (all sites)

Site data was not extracted for the three bird species above (—);

One new species record was confirmed for the site against the 40-year historical dataset (1982–2022): Crested Pigeon (Ocyphaps lophotes), recorded once during the Winter 2025 survey.

Next steps

A full report covering all three survey rounds of the 2025–2026 monitoring program (Winter, Spring and Autumn), including detailed results and discussion, will be provided in the next reporting year.