Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
193	September 2019	384655.4	6482797.6	Tuart (Eucalyptus gomphocephala)	600	15	No	0	n/a	
194	September 2019	384662.6	6482744.0	Tuart (Eucalyptus gomphocephala)	65	20	No	0	n/a	
195	September 2019	384664.1	6482697.6	Tuart (Eucalyptus gomphocephala)	530	14	No	0	n/a	
196	September 2019	384669.0	6482669.7	Jarrah (Eucalyptus marginata)	500	12	No	0	n/a	
197*	September 2019	384707.5	6481824.0	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	
198*	September 2019	384710.2	6481812.3	Tuart (Eucalyptus gomphocephala)	500	12	No	0	n/a	
199*	September 2019	384712.6	6481775.4	Tuart (Eucalyptus gomphocephala)	500	18	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
200	September 2019	384759.8	6481697.5	Tuart (Eucalyptus gomphocephala)	520	12	No	0	n/a	
201	September 2019	384757.9	6481688.9	Tuart (Eucalyptus gomphocephala)	660	15	No	0	n/a	
202*	September 2019	384712.1	6481755.7	Tuart (Eucalyptus gomphocephala)	500	14	No	0	n/a	
203*	September 2019	384713.0	6481733.9	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	
204*	September 2019	384715.7	6481664.0	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	
205	September 2019	384767.0	6481677.3	Tuart (Eucalyptus gomphocephala)	640	15	No	0	n/a	
206	September 2019	384768.7	6481658.5	Tuart (Eucalyptus gomphocephala)	500	17	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
207	September 2019	384773.0	6481640.1	Tuart (Eucalyptus gomphocephala)	900	17	No	0	n/a	
208	September 2019	384770.9	6481632.5	Tuart (Eucalyptus gomphocephala)	1,100	17	No	0	n/a	
209*	September 2019	384718.7	6481632.1	Tuart (Eucalyptus gomphocephala)	500	16	No	0	n/a	
210*	September 2019	384719.4	6481606.6	Tuart (Eucalyptus gomphocephala)	500	17	No	0	n/a	C 3
211*	September 2019	384720.2	6481588.7	Tuart (Eucalyptus gomphocephala)	500	18	No	0	n/a	
212	September 2019	384768.1	6481615.9	Tuart (Eucalyptus gomphocephala)	900	18	No	0	n/a	
213	September 2019	384777.5	6481595.1	Marri (Corymbia calophylla)	510	20	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
214	September 2019	384780.4	6481591.2	Marri ( <i>Corymbia</i> calophylla)	720	19	No	0	n/a	
215	September 2019	384777.2	6481590.3	Marri (Corymbia calophylla)	800	25	No	0	n/a	
216	September 2019	384772.5	6481589.6	Marri (Corymbia calophylla)	900	25	No	0	n/a	
217	September 2019	384767.7	6481581.6	Marri (Corymbia calophylla)	650	15	No	0	n/a	
218	September 2019	384767.7	6481575.3	Marri (Corymbia calophylla)	500	10	No	0	n/a	
219	September 2019	384779.5	6481575.4	Marri (Corymbia calophylla)	550	22	No	0	n/a	
220	September 2019	384778.0	6481557.3	Marri (Corymbia calophylla)	850	18	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
221	September 2019	384775.2	6481546.0	Jarrah (Eucalyptus marginata)	650	14	No	0	n/a	
222	September 2019	384767.2	6481541.6	Tuart (Eucalyptus gomphocephala)	520	12	No	0	n/a	
223*	September 2019	384724.7	6481511.6	Tuart (Eucalyptus gomphocephala)	500	18	No	0	n/a	
224	September 2019	384772.1	6481524.6	Tuart (Eucalyptus gomphocephala)	570	15	No	0	n/a	
225	September 2019	384794.1	6481474.1	Tuart (Eucalyptus gomphocephala)	500	18	No	0	n/a	
226	September 2019	384794.1	6481462.8	Tuart (Eucalyptus gomphocephala)	550	16	No	0	n/a	
227	September 2019	384794.9	6481460.7	Tuart (Eucalyptus gomphocephala)	550	16	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
228*	September 2019	384729.7	6481465.2	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	
229	September 2019	384814.2	6481474.8	Tuart (Eucalyptus gomphocephala)	1,150	15	No	2	Medium (10 cm to 20 cm entrance), 6 m Small (<10 cm entrance), 6 m	
230	September 2019	384807.7	6481473.7	Dead Stag	1,400	14	No	2	Large (>20 cm entrance), 8 m Medium (10-20 cm entrance), 6 m	
231	September 2019	384798.9	6481497.4	Dead Stag	550	12	No	0	n/a	
232	September 2019	384857.1	6481004.7	Tuart (Eucalyptus gomphocephala)	630	12	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
233	September 2019	384939.6	6479811.3	Tuart (Eucalyptus gomphocephala)	550	13	No	0	n/a	
234	September 2019	384933.2	6479810.9	Tuart (Eucalyptus gomphocephala)	660	14	No	0	n/a	
235	September 2019	384921.3	6479813.3	Tuart (Eucalyptus gomphocephala)	550	15	No	0	n/a	
236	September 2019	384919.5	6479809.4	Tuart (Eucalyptus gomphocephala)	600	17	No	0	n/a	
237	September 2019	384910.8	6479809.6	Tuart (Eucalyptus gomphocephala)	1,000	15	No	0	n/a	
238	September 2019	384897.5	6479801.9	Tuart (Eucalyptus gomphocephala)	650	18	No	0	n/a	
239	September 2019	384875.9	6479798.2	Tuart (Eucalyptus gomphocephala)	1,100	15	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
240	September 2019	384859.5	6479751.8	Jarrah (Eucalyptus marginata)	550	12	No	0	n/a	
241	September 2019	384853.3	6479742.4	Jarrah (Eucalyptus marginata)	650	15	No	0	n/a	
242	September 2019	384845.2	6479738.2	Tuart (Eucalyptus gomphocephala)	800	16	No	0	n/a	
243	September 2019	384852.1	6479728.2	Tuart (Eucalyptus gomphocephala)	1,200	18	No	0	n/a	
244	September 2019	384866.8	6479730.2	Tuart (Eucalyptus gomphocephala)	1,500	22	No	0	n/a	
245	September 2019	384855.4	6479686.7	Dead Stag	700	14	No	1	Medium (10 cm to 20 cm entrance), 8 m	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
246	September 2019	384856.9	6479684.2	Tuart (Eucalyptus gomphocephala)	510	15	No	0	n/a	
247	September 2019	384853.2	6479678.7	Tuart (Eucalyptus gomphocephala)	590	10	No	0	n/a	
248	September 2019	384846.4	6479667.3	Tuart (Eucalyptus gomphocephala)	1,200	14	No	0	n/a	
249	September 2019	384868.1	6479669.3	Jarrah (Eucalyptus marginata)	800	12	No	0	n/a	
250	September 2019	384864.2	6479642.6	Tuart (Eucalyptus gomphocephala)	600	16	No	0	n/a	
251	September 2019	384867.9	6479618.1	Jarrah (Eucalyptus marginata)	510	8	No	0	n/a	
252	September 2019	384865.7	6479612.4	Tuart (Eucalyptus gomphocephala)	510	16	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
253	September 2019	384873.2	6479609.7	Tuart (Eucalyptus gomphocephala)	650	18	No	0	n/a	
254	September 2019	384870.3	6479586.8	Tuart (Eucalyptus gomphocephala)	800	18	No	0	n/a	
255	September 2019	384860.6	6479575.9	Tuart (Eucalyptus gomphocephala)	550	18	No	0	n/a	
256	September 2019	384873.3	6479562.0	Tuart (Eucalyptus gomphocephala)	510	19	No	0	n/a	
257	September 2019	384870.8	6479561.9	Tuart (Eucalyptus gomphocephala)	500	18	No	0	n/a	
258	September 2019	384868.1	6479557.8	Tuart (Eucalyptus gomphocephala)	500	19	No	0	n/a	
259	September 2019	384866.0	6479556.8	Tuart (Eucalyptus gomphocephala)	510	15	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
260	September 2019	384866.3	6479554.2	Tuart (Eucalyptus gomphocephala)	600	17	No	0	n/a	
261	September 2019	384864.0	6479525.4	Tuart (Eucalyptus gomphocephala)	650	18	No	0	n/a	
262	September 2019	384874.3	6479504.4	Tuart (Eucalyptus gomphocephala)	800	19	No	0	n/a	
263	September 2019	384881.3	6479483.6	Tuart (Eucalyptus gomphocephala)	900	15	No	0	n/a	
264	September 2019	384904.7	6479454.9	Tuart (Eucalyptus gomphocephala)	800	20	No	0	n/a	
265	September 2019	384885.4	6479440.0	Dead Stag	900	8	No	0	n/a	
266	September 2019	384888.8	6479420.9	Tuart (Eucalyptus gomphocephala)	1,800	24	No	1	Medium (10 cm to 20 cm entrance), 10 ,m	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
267	September 2019	384903.2	6479418.7	Tuart (Eucalyptus gomphocephala)	1000	18	No	0	n/a	
268	September 2019	384912.6	6479371.2	Dead Stag	2,500	12	No	0	n/a	
269	September 2019	384917.2	6479357.3	Jarrah (Eucalyptus marginata)	550	12	No	0	n/a	
270	September 2019	384894.0	6479354.8	Tuart (Eucalyptus gomphocephala)	1,500	20	No	0	n/a	
271	September 2019	384916.4	6479345.3	Jarrah (Eucalyptus marginata)	530	8	No	0	n/a	
272	September 2019	384934.4	6479345.0	Jarrah (Eucalyptus marginata)	600	25	No	0	n/a	
273	September 2019	384925.8	6479337.4	Tuart (Eucalyptus gomphocephala)	600	18	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
274	September 2019	384933.5	6479359.3	Dead Stag	660	15	No	0	n/a	
275	September 2019	384934.5	6479333.3	Tuart (Eucalyptus gomphocephala)	510	16	No	0	n/a	
276	September 2019	384937.6	6479324.2	Tuart (Eucalyptus gomphocephala)	600	20	No	0	n/a	
277	September 2019	384932.3	6479306.7	Tuart (Eucalyptus gomphocephala)	520	8	No	0	n/a	
278	September 2019	384932.2	6479305.0	Tuart (Eucalyptus gomphocephala)	560	9	No	0	n/a	
279	September 2019	384930.2	6479285.9	Jarrah (Eucalyptus marginata)	600	6	No	0	n/a	
280	September 2019	384937.8	6479275.1	Jarrah (Eucalyptus marginata)	800	6	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
281	September 2019	384944.0	6479269.1	Jarrah (Eucalyptus marginata)	700	15	No	0	n/a	
282	September 2019	384935.4	6479259.2	Tuart (Eucalyptus gomphocephala)	610	11	No	0	n/a	
283	September 2019	384936.4	6479255.3	Tuart (Eucalyptus gomphocephala)	500	16	No	0	n/a	
284	September 2019	384941.1	6479253.1	Jarrah (Eucalyptus marginata)	1,050	6	No	0	n/a	
285	September 2019	384920.1	6479394.7	Jarrah (Eucalyptus marginata)	680	16	No	0	n/a	
286	September 2019	384920.9	6479436.7	Tuart (Eucalyptus gomphocephala)	740	20	No	0	n/a	
287	September 2019	384912.1	6479442.4	Tuart (Eucalyptus gomphocephala)	800	19	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
288	September 2019	384910.6	6479457.1	Tuart (Eucalyptus gomphocephala)	850	20	No	0	n/a	
289	September 2019	384893.9	6479533.8	Tuart (Eucalyptus gomphocephala)	2,500	24	No	1	Medium (10 cm to 20 cm entrance), 14 m	
290	September 2019	384887.5	6479559.4	Tuart (Eucalyptus gomphocephala)	2,500	18	No	1	Medium (10 cm to 20 cm entrance), 10 m	
291	September 2019	384882.5	6479583.3	Tuart (Eucalyptus gomphocephala)	510	18	No	0	n/a	
292	September 2019	384884.0	6479589.7	Tuart (Eucalyptus gomphocephala)	510	17	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
293*	September 2019	384923.9	6478696.9	Tuart (Eucalyptus gomphocephala)	500	16	No	0	n/a	
294	September 2019	384973.7	6478796.0	Tuart (Eucalyptus gomphocephala)	540	24	No	0	n/a	
295	September 2019	384973.7	6478825.7	Jarrah (Eucalyptus marginata)	540	6	No	0	n/a	
296	September 2019	384978.2	6478838.7	Jarrah (Eucalyptus marginata)	900	10	No	0	n/a	
297	September 2019	384985.3	6478855.4	Dead Stag	800	14	No	0	n/a	
298	September 2019	384980.8	6478860.1	Tuart (Eucalyptus gomphocephala)	780	14	No	0	n/a	
299	September 2019	384988.0	6478883.8	Tuart (Eucalyptus gomphocephala)	800	19	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
300	September 2019	384993.8	6478885.2	Jarrah (Eucalyptus marginata)	900	14	No	0	n/a	
301	September 2019	384997.4	6478895.4	Jarrah (Eucalyptus marginata)	700	13	No	0	n/a	
302	September 2019	384991.8	6478924.5	Marri (Corymbia calophylla)	550	18	No	0	n/a	
303	September 2019	384997.9	6478946.5	Marri (Corymbia calophylla)	520	15	No	0	n/a	
304	September 2019	384953.9	6478599.7	Tuart (Eucalyptus gomphocephala)	540	16	No	0	n/a	
305	September 2019	384960.1	6478600.8	Tuart (Eucalyptus gomphocephala)	500	12	No	0	n/a	
306	September 2019	384962.2	6478600.0	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
307	September 2019	384962.5	6478555.4	Tuart (Eucalyptus gomphocephala)	700	18	No	0	n/a	
308	September 2019	384965.1	6478537.6	Tuart (Eucalyptus gomphocephala)	500	18	No	0	n/a	
309	September 2019	384969.4	6478534.4	Tuart (Eucalyptus gomphocephala)	760	19	No	0	n/a	
310	September 2019	384979.2	6478525.4	Tuart (Eucalyptus gomphocephala)	560	14	No	0	n/a	
311	September 2019	384976.9	6478524.4	Tuart (Eucalyptus gomphocephala)	650	16	No	0	n/a	
312	September 2019	384986.7	6478495.4	Marri (Corymbia calophylla)	600	18	No	0	n/a	
313	September 2019	384983.7	6478500.1	Tuart (Eucalyptus gomphocephala)	520	16	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
314*	September 2019	384952.6	6478472.4	Tuart (Eucalyptus gomphocephala)	2,000	24	No	0	n/a	
315*	September 2019	384959.3	6478452.5	Tuart (Eucalyptus gomphocephala)	800	25	No	0	n/a	
316	September 2019	384992.2	6478475.2	Tuart (Eucalyptus gomphocephala)	680	17	No	0	n/a	
317	September 2019	384993.9	6478452.8	Tuart (Eucalyptus gomphocephala)	540	16	No	0	n/a	
318	September 2019	385005.0	6478420.9	Tuart (Eucalyptus gomphocephala)	580	6	No	0	n/a	
319	September 2019	385019.7	6478387.1	Tuart (Eucalyptus gomphocephala)	600	17	No	0	n/a	
320	September 2019	385033.0	6478359.7	Tuart (Eucalyptus gomphocephala)	590	11	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
321	September 2019	385033.6	6478358.7	Tuart (Eucalyptus gomphocephala)	540	11	No	0	n/a	
322	September 2019	385209.6	6478046.2	Jarrah (Eucalyptus marginata)	600	12	No	0	n/a	
323	September 2019	385211.1	6478047.6	Jarrah (Eucalyptus marginata)	860	13	No	0	n/a	
324	September 2019	385211.7	6478061.5	Jarrah (Eucalyptus marginata)	530	12	No	0	n/a	
325	September 2019	385206.3	6478067.1	Jarrah (Eucalyptus marginata)	700	12	No	0	n/a	
326	September 2019	385198.1	6478078.0	Dead Stag	510	6	No	0	n/a	
327	September 2019	385112.0	6478214.5	Tuart (Eucalyptus gomphocephala)	900	15	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
328	September 2019	385092.9	6478248.4	Marri (Corymbia calophylla)	900	8	No	0	n/a	
329	September 2019	383800.3	6485020.2	Tuart (Eucalyptus gomphocephala)	680	11	No	0	n/a	
330	March 2020	386095.4	6476385.0	Tuart (Eucalyptus gomphocephala)	710	9	No	0	n/a	
331	March 2020	386087.5	6476392.9	Tuart (Eucalyptus gomphocephala)	560	10	No	0	n/a	
332	March 2020	386088.9	6476398.3	Marri (Corymbia calophylla)	500	14	No	0	n/a	
333	March 2020	386079.0	6476421.1	Tuart (Eucalyptus gomphocephala)	750	17	No	0	n/a	
334	March 2020	386078.2	6476431.8	Tuart (Eucalyptus gomphocephala)	770	15	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
335	March 2020	386072.1	6476448.4	Jarrah (Eucalyptus marginata)	590	18	No	0	n/a	
336	March 2020	386065.4	6476463.4	Tuart (Eucalyptus gomphocephala)	930	20	No	0	n/a	
337	March 2020	386059.5	6476504.5	Tuart (Eucalyptus gomphocephala)	1180	20	No	0	n/a	
338	March 2020	386097.8	6476482.1	Tuart (Eucalyptus gomphocephala)	620	17	No	0	n/a	
339	March 2020	386058.4	6476523.2	Tuart (Eucalyptus gomphocephala)	710	18	No	0	n/a	
340	March 2020	386046.4	6476536.5	Tuart (Eucalyptus gomphocephala)	680	22	No	0	n/a	
341	March 2020	386045.9	6476545.3	Tuart (Eucalyptus gomphocephala)	510	18	Yes	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
342	March 2020	386036.3	6476545.6	Tuart (Eucalyptus gomphocephala)	650	21	No	0	n/a	
343	March 2020	386029.9	6476572.8	Tuart (Eucalyptus gomphocephala)	540	14	No	0	n/a	
344	March 2020	386026.3	6476575.5	Tuart (Eucalyptus gomphocephala)	700	16	No	0	n/a	
345	March 2020	386024.1	6476600.1	Jarrah (Eucalyptus marginata)	730	19	No	0	n/a	
346	March 2020	386019.7	6476625.1	Tuart (Eucalyptus gomphocephala)	750	14	No	0	n/a	
347	March 2020	386011.6	6476629.4	Jarrah (Eucalyptus marginata)	730	13	No	0	n/a	
348	March 2020	386005.5	6476652.2	Tuart (Eucalyptus gomphocephala)	560	17	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
349	March 2020	386004.3	6476666.5	Tuart (Eucalyptus gomphocephala)	600	14	No	0	n/a	
350	March 2020	385986.4	6476708.2	Tuart (Eucalyptus gomphocephala)	600	13	No	0	n/a	
351	March 2020	385986.3	6476724.9	Tuart (Eucalyptus gomphocephala)	560	17	No	0	n/a	
352	March 2020	385976.1	6476761.0	Tuart (Eucalyptus gomphocephala)	660	15	No	0	n/a	
353	March 2020	385953.9	6476827.1	Tuart (Eucalyptus gomphocephala)	580	12	No	0	n/a	
354	March 2020	385915.5	6476923.9	Jarrah (Eucalyptus marginata)	700	13	No	0	n/a	
355	March 2020	385896.8	6476947.5	Jarrah (Eucalyptus marginata)	560	21	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
356	March 2020	385850.2	6477017.4	Tuart (Eucalyptus gomphocephala)	520	13	No	0	n/a	
357	March 2020	385820.3	6477068.1	Marri (Corymbia calophylla)	570	17	No	0	n/a	
358	March 2020	385780.3	6477124.7	Tuart (Eucalyptus gomphocephala)	680	19	No	1	Medium (10-20 cm entrance)	
359	March 2020	385759.5	6477157.3	Tuart (Eucalyptus gomphocephala)	1390	24	No	0	n/a	
360	March 2020	385752.6	6477154.3	Tuart (Eucalyptus gomphocephala)	800	22	No	0	n/a	
361	March 2020	385745.9	6477158.2	Tuart (Eucalyptus gomphocephala)	610	22	No	0	n/a	
362	March 2020	385746.0	6477170.6	Dead Stag	1450	10	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
363	March 2020	385727.3	6477182.9	Tuart (Eucalyptus gomphocephala)	550	15	No	0	n/a	
364	March 2020	385735.6	6477197.5	Tuart (Eucalyptus gomphocephala)	1400	23	No	1	Large (>20 cm entrance)	
365	March 2020	385722.3	6477206.5	Tuart (Eucalyptus gomphocephala)	980	17	No	0	n/a	
366	March 2020	385712.8	6477216.9	Jarrah (Eucalyptus marginata)	1120	18	No	0	n/a	
367	March 2020	385692.4	6477221.0	Dead Stag	500	16	No	0	n/a	
368	March 2020	385684.2	6477229.4	Marri (Corymbia calophylla)	560	17	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
369	March 2020	385680.2	6477242.2	Tuart (Eucalyptus gomphocephala)	620	20	No	0	n/a	
370	March 2020	385644.7	6477287.4	Tuart (Eucalyptus gomphocephala)	2000	20	No	0	n/a	
371	March 2020	385632.8	6477315.2	Tuart (Eucalyptus gomphocephala)	600	17	No	0	n/a	
372	March 2020	385631.4	6477318.0	Tuart (Eucalyptus gomphocephala)	700	18	No	0	n/a	
373	March 2020	385629.7	6477320.5	Tuart (Eucalyptus gomphocephala)	700	16	No	0	n/a	
374	March 2020	385619.6	6477340.6	Tuart (Eucalyptus gomphocephala)	800	20	No	0	n/a	
375	March 2020	385605.8	6477341.1	Tuart (Eucalyptus gomphocephala)	550	14	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
376	March 2020	385609.7	6477352.4	Tuart (Eucalyptus gomphocephala)	530	10	No	0	n/a	
377	March 2020	385599.2	6477358.8	Tuart (Eucalyptus gomphocephala)	620	16	No	0	n/a	
378	March 2020	385601.6	6477369.5	Tuart (Eucalyptus gomphocephala)	820	22	No	0	n/a	
379	March 2020	385585.9	6477389.2	Tuart (Eucalyptus gomphocephala)	540	18	No	0	n/a	
380	March 2020	385583.1	6477402.8	Jarrah (Eucalyptus marginata)	540	16	No	0	n/a	
381	March 2020	385575.4	6477397.8	Tuart (Eucalyptus gomphocephala)	870	13	No	0	n/a	
382	March 2020	385585.6	6477402.2	Tuart (Eucalyptus gomphocephala)	900	19	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
383	March 2020	385569.7	6477427.8	Tuart (Eucalyptus gomphocephala)	610	16	No	0	n/a	
384	March 2020	385572.3	6477423.0	Tuart (Eucalyptus gomphocephala)	1030	20	No	0	n/a	
385	March 2020	385564.2	6477436.2	Tuart (Eucalyptus gomphocephala)	600	14	No	0	n/a	
386	March 2020	385562.8	6477438.0	Tuart (Eucalyptus gomphocephala)	580	13	No	0	n/a	
387	March 2020	385553.2	6477453.8	Tuart (Eucalyptus gomphocephala)	740	13	No	0	n/a	
388	March 2020	385538.0	6477482.3	Tuart (Eucalyptus gomphocephala)	600	13	No	0	n/a	
389	March 2020	385536.3	6477486.7	Tuart (Eucalyptus gomphocephala)	970	21	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
390	March 2020	385534.8	6477487.6	Tuart (Eucalyptus gomphocephala)	610	13	No	0	n/a	
391	March 2020	385530.1	6477500.2	Tuart (Eucalyptus gomphocephala)	660	11	No	0	n/a	
392	March 2020	385559.5	6477454.5	Tuart (Eucalyptus gomphocephala)	740	12	No	0	n/a	
393	March 2020	385570.3	6477473.0	Tuart (Eucalyptus gomphocephala)	620	10	No	0	n/a	
394	March 2020	385560.4	6477516.8	Jarrah (Eucalyptus marginata)	950	18	No	0	n/a	
395	March 2020	385588.9	6477520.2	Tuart (Eucalyptus gomphocephala)	990	20	No	0	n/a	
396	March 2020	385597.6	6477402.4	Tuart (Eucalyptus gomphocephala)	720	17	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
397	March 2020	385607.1	6477382.6	Tuart (Eucalyptus gomphocephala)	580	20	No	0	n/a	
398	March 2020	385614.9	6477386.4	Tuart (Eucalyptus gomphocephala)	840	18	No	0	n/a	
399	March 2020	385629.6	6477381.7	Tuart (Eucalyptus gomphocephala)	520	14	No	0	n/a	
400	March 2020	385648.4	6477377.8	Tuart (Eucalyptus gomphocephala)	910	14	No	0	n/a	
401	March 2020	385651.2	6477372.5	Tuart (Eucalyptus gomphocephala)	890	15	No	0	n/a	
402	March 2020	385558.9	6477536.1	Tuart (Eucalyptus gomphocephala)	710	10	No	0	n/a	
403	March 2020	385541.1	6477528.7	Tuart (Eucalyptus gomphocephala)	920	12	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
404	March 2020	385538.6	6477523.4	Tuart (Eucalyptus gomphocephala)	640	16	No	0	n/a	
405	March 2020	385537.0	6477522.7	Tuart (Eucalyptus gomphocephala)	630	15	No	0	n/a	
406	March 2020	385535.4	6477520.5	Tuart (Eucalyptus gomphocephala)	830	20	No	0	n/a	
407	March 2020	385525.5	6477514.4	Tuart (Eucalyptus gomphocephala)	620	13	No	0	n/a	
408	March 2020	385505.9	6477574.6	Jarrah (Eucalyptus marginata)	600	10	No	0	n/a	
409	March 2020	385505.4	6477547.2	Tuart (Eucalyptus gomphocephala)	600	16	No	0	n/a	
410	March 2020	385504.3	6477585.6	Tuart (Eucalyptus gomphocephala)	520	10	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
411	March 2020	385504.1	6477583.2	Jarrah (Eucalyptus marginata)	570	11	No	0	n/a	
412	March 2020	385497.2	6477591.4	Tuart (Eucalyptus gomphocephala)	570	17	No	0	n/a	
413	March 2020	385495.3	6477597.0	Tuart (Eucalyptus gomphocephala)	1150	20	No	0	n/a	
414	March 2020	385491.7	6477601.7	Tuart (Eucalyptus gomphocephala)	530	15	No	0	n/a	
415	March 2020	385490.9	6477607.7	Tuart (Eucalyptus gomphocephala)	780	14	No	0	n/a	
416	March 2020	385476.2	6477614.8	Tuart (Eucalyptus gomphocephala)	1040	16	No	0	n/a	
417	March 2020	385497.2	6477551.4	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
418	March 2020	385481.5	6477567.4	Jarrah (Eucalyptus marginata)	750	14	No	0	n/a	
419	March 2020	385476.1	6477575.7	Jarrah (Eucalyptus marginata)	620	13	No	0	n/a	
420	March 2020	385472.2	6477587.6	Tuart (Eucalyptus gomphocephala)	1200	10	No	0	n/a	
421	March 2020	385440.0	6477616.8	Tuart (Eucalyptus gomphocephala)	900	17	No	0	n/a	
422	March 2020	385421.1	6477648.1	Tuart (Eucalyptus gomphocephala)	540	12	No	0	n/a	
423	March 2020	385408.7	6477690.2	Tuart (Eucalyptus gomphocephala)	810	15	No	0	n/a	
424	March 2020	385398.8	6477702.7	Tuart (Eucalyptus gomphocephala)	1700	21	No	1	Small (<10 cm entrance)	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
425	March 2020	385475.0	6477645.0	Jarrah (Eucalyptus marginata)	620	10	No	0	n/a	
426	March 2020	385481.0	6477654.2	Jarrah (Eucalyptus marginata)	1200	6	No	0	n/a	
427	March 2020	385457.1	6477651.7	Tuart (Eucalyptus gomphocephala)	850	15	No	0	n/a	
428	March 2020	385458.9	6477667.4	Tuart (Eucalyptus gomphocephala)	1200	14	No	0	n/a	
429	March 2020	385476.6	6477668.1	Jarrah (Eucalyptus marginata)	680	9	No	0	n/a	
430	March 2020	385469.0	6477707.2	Tuart (Eucalyptus gomphocephala)	1020	16	No	0	n/a	
431	March 2020	385450.5	6477701.1	Tuart (Eucalyptus gomphocephala)	1030	16	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
432	March 2020	385460.1	6477733.2	Tuart (Eucalyptus gomphocephala)	680	20	No	0	n/a	
433	March 2020	385460.1	6477741.4	Tuart (Eucalyptus gomphocephala)	810	21	No	0	n/a	
434	March 2020	385452.4	6477751.2	Tuart (Eucalyptus gomphocephala)	920	12	No	0	n/a	
435	March 2020	385446.3	6477745.6	Tuart (Eucalyptus gomphocephala)	820	15	No	0	n/a	
436	March 2020	385432.1	6477746.5	Tuart (Eucalyptus gomphocephala)	900	15	No	0	n/a	
437	March 2020	385419.0	6477737.1	Tuart (Eucalyptus gomphocephala)	1300	15	No	0	n/a	
438	March 2020	385434.1	6477722.3	Tuart (Eucalyptus gomphocephala)	1100	14	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
439	March 2020	385364.0	6477759.1	Jarrah (Eucalyptus marginata)	530	10	No	0	n/a	
440	March 2020	385345.0	6477796.3	Tuart (Eucalyptus gomphocephala)	560	12	No	0	n/a	
441	March 2020	385351.1	6477797.8	Tuart (Eucalyptus gomphocephala)	500	10	No	0	n/a	
442	March 2020	385336.1	6477801.3	Tuart (Eucalyptus gomphocephala)	500	12	No	0	n/a	
443	March 2020	385326.5	6477825.9	Tuart (Eucalyptus gomphocephala)	500	12	No	0	n/a	
444	March 2020	385338.4	6477833.1	Tuart (Eucalyptus gomphocephala)	620	13	No	0	n/a	
445	March 2020	385309.7	6477855.0	Tuart (Eucalyptus gomphocephala)	920	16	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
446	March 2020	385303.5	6477886.1	Tuart (Eucalyptus gomphocephala)	920	12	No	0	n/a	
447	March 2020	385288.3	6477910.1	Tuart (Eucalyptus gomphocephala)	1010	18	No	0	n/a	
448	March 2020	385253.4	6477955.7	Tuart (Eucalyptus gomphocephala)	850	13	No	0	n/a	
449	March 2020	385227.2	6478006.5	Tuart (Eucalyptus gomphocephala)	590	8	No	0	n/a	
450	March 2020	385226.9	6478011.7	Tuart (Eucalyptus gomphocephala)	530	8	No	0	n/a	
451	March 2020	385224.8	6478016.6	Marri (Corymbia calophylla)	500	10	Yes	0	n/a	
452	March 2020	385211.7	6478028.1	Marri (Corymbia calophylla)	560	7	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
453	March 2020	385214.2	6478031.1	Tuart (Eucalyptus gomphocephala)	530	7	No	0	n/a	
454	March 2020	385216.6	6478018.8	Tuart (Eucalyptus gomphocephala)	580	9	No	0	n/a	
455	March 2020	384981.4	6478776.4	Dead Stag	520	7	No	0	n/a	
456	March 2020	384979.5	6478781.7	Tuart (Eucalyptus gomphocephala)	1000	14	No	0	n/a	
457	March 2020	384974.3	6478794.3	Tuart (Eucalyptus gomphocephala)	510	11	No	0	n/a	
458	March 2020	384980.2	6478804.9	Dead Stag	940	10	No	0	n/a	
459	March 2020	384986.1	6478807.9	Tuart (Eucalyptus gomphocephala)	1000	21	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
460	March 2020	384993.8	6478798.8	Tuart (Eucalyptus gomphocephala)	600	19	No	0	n/a	
461	March 2020	385005.8	6478809.6	Marri (Corymbia calophylla)	520	15	No	0	n/a	
462	March 2020	385016.3	6478823.3	Tuart (Eucalyptus gomphocephala)	1100	14	No	1	Large (>20 cm entrance)	
463	March 2020	385003.5	6478835.2	Tuart (Eucalyptus gomphocephala)	540	10	No	0	n/a	
464	March 2020	385006.7	6478849.1	Jarrah (Eucalyptus marginata)	520	9	No	0	n/a	
465	March 2020	385011.1	6478857.5	Jarrah (Eucalyptus marginata)	700	18	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
466	March 2020	384979.2	6478840.6	Dead Stag	850	8	No	1	Medium (10-20 cm entrance)	
467	March 2020	384985.8	6478855.7	Dead Stag	870	10	No	2	Medium (10-20 cm entrance)	
468	March 2020	384978.9	6478859.4	Tuart (Eucalyptus gomphocephala)	560	12	No	0	n/a	
469	March 2020	384987.2	6478883.8	Tuart (Eucalyptus gomphocephala)	740	11	No	0	n/a	
470	March 2020	384993.5	6478885.6	Jarrah (Eucalyptus marginata)	1050	9	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
471	March 2020	385000.8	6478887.4	Jarrah (Eucalyptus marginata)	900	14	No	0	n/a	
472	March 2020	384998.5	6478896.6	Marri (Corymbia calophylla)	520	13	No	0	n/a	
473	March 2020	385014.4	6478892.5	Jarrah (Eucalyptus marginata)	700	11	No	0	n/a	
474	March 2020	385013.6	6478894.4	Jarrah (Eucalyptus marginata)	650	10	No	0	n/a	
475	March 2020	385019.1	6478921.9	Tuart (Eucalyptus gomphocephala)	950	11	No	0	n/a	
476	March 2020	384992.3	6478924.5	Marri (Corymbia calophylla)	520	15	No	0	n/a	
477	March 2020	385004.1	6478940.3	Jarrah (Eucalyptus marginata)	820	11	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
478	March 2020	385023.3	6478939.9	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	
479	March 2020	384993.9	6479022.8	Tuart (Eucalyptus gomphocephala)	620	14	No	0	n/a	
480	March 2020	384996.5	6479036.6	Tuart (Eucalyptus gomphocephala)	580	14	No	0	n/a	
481	March 2020	385025.3	6479040.2	Tuart (Eucalyptus gomphocephala)	640	15	No	0	n/a	
482	March 2020	385025.3	6479041.1	Tuart (Eucalyptus gomphocephala)	550	15	No	0	n/a	
483	March 2020	385028.2	6479043.0	Tuart (Eucalyptus gomphocephala)	520	15	No	0	n/a	
484	March 2020	385046.2	6479045.7	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
485	March 2020	385047.1	6479045.1	Tuart (Eucalyptus gomphocephala)	620	14	No	0	n/a	
486	March 2020	385056.7	6479045.2	Tuart (Eucalyptus gomphocephala)	520	13	No	0	n/a	
487	March 2020	385061.3	6479048.3	Tuart (Eucalyptus gomphocephala)	530	13	No	0	n/a	
488	March 2020	385077.5	6479061.6	Tuart (Eucalyptus gomphocephala)	540	15	No	0	n/a	
489	March 2020	385086.1	6479061.8	Tuart (Eucalyptus gomphocephala)	540	12	No	0	n/a	
490	March 2020	385012.2	6479165.4	Tuart (Eucalyptus gomphocephala)	620	18	No	0	n/a	
491	March 2020	385027.0	6479160.4	Tuart (Eucalyptus gomphocephala)	1190	23	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
492	March 2020	385029.1	6479157.0	Tuart (Eucalyptus gomphocephala)	1530	17	No	0	n/a	
493	March 2020	385059.1	6479145.7	Tuart (Eucalyptus gomphocephala)	550	10	No	0	n/a	
494	March 2020	385056.9	6479134.3	Tuart (Eucalyptus gomphocephala)	520	7	No	0	n/a	
495	March 2020	385073.5	6479142.6	Tuart (Eucalyptus gomphocephala)	1000	18	No	0	n/a	
496	March 2020	385083.1	6479135.0	Tuart (Eucalyptus gomphocephala)	820	16	No	0	n/a	
497	March 2020	385086.9	6479136.3	Tuart (Eucalyptus gomphocephala)	500	15	No	0	n/a	
498	March 2020	385078.7	6479133.9	Tuart (Eucalyptus gomphocephala)	500	12	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
499	March 2020	385079.6	6479129.8	Tuart (Eucalyptus gomphocephala)	500	12	No	0	n/a	
500	March 2020	385094.4	6479135.0	Tuart (Eucalyptus gomphocephala)	610	18	No	0	n/a	
501	March 2020	385103.6	6479130.5	Tuart (Eucalyptus gomphocephala)	920	15	No	0	n/a	
502	March 2020	385105.6	6479113.5	Tuart (Eucalyptus gomphocephala)	700	14	No	0	n/a	
503	March 2020	385165.4	6479097.8	Tuart (Eucalyptus gomphocephala)	650	13	No	0	n/a	
504	March 2020	385162.4	6479096.0	Tuart (Eucalyptus gomphocephala)	700	11	No	0	n/a	
505	March 2020	385175.5	6479102.2	Tuart (Eucalyptus gomphocephala)	590	18	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
506	March 2020	385183.1	6479097.3	Tuart (Eucalyptus gomphocephala)	950	15	No	0	n/a	
507	March 2020	385198.5	6479091.7	Tuart (Eucalyptus gomphocephala)	710	14	No	0	n/a	
508	March 2020	385212.7	6479083.0	Tuart (Eucalyptus gomphocephala)	610	15	No	0	n/a	
509	March 2020	385216.7	6479083.3	Tuart (Eucalyptus gomphocephala)	820	15	No	0	n/a	
510	March 2020	385230.9	6479069.7	Tuart (Eucalyptus gomphocephala)	520	16	No	0	n/a	
511	March 2020	385165.5	6479014.5	Jarrah (Eucalyptus marginata)	1440	19	No	0	n/a	
512	March 2020	385130.6	6479030.7	Jarrah (Eucalyptus marginata)	620	10	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
513	March 2020	385118.3	6479019.3	Jarrah (Eucalyptus marginata)	900	11	No	0	n/a	
514	March 2020	385110.1	6479035.6	Jarrah (Eucalyptus marginata)	800	10	No	1	Large (>20 cm entrance)	
515	March 2020	385068.1	6479022.3	Jarrah (Eucalyptus marginata)	900	14	No	0	n/a	
516	March 2020	385076.5	6479034.6	Jarrah (Eucalyptus marginata)	920	10	No	2	Large (>20 cm entrance)	
517	March 2020	385061.8	6479035.8	Jarrah (Eucalyptus marginata)	920	12	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
518	March 2020	385043.6	6478987.8	Tuart (Eucalyptus gomphocephala)	530	12	No	0	n/a	
519	March 2020	385036.9	6478978.8	Tuart (Eucalyptus gomphocephala)	520	15	No	0	n/a	
520	March 2020	385035.8	6478977.2	Tuart (Eucalyptus gomphocephala)	550	10	No	0	n/a	
521	March 2020	385055.6	6478971.9	Dead Stag	720	11	No	0	n/a	
522	March 2020	385045.6	6478964.0	Jarrah (Eucalyptus marginata)	520	8	No	0	n/a	
523	March 2020	385042.2	6478959.7	Tuart (Eucalyptus gomphocephala)	500	12	No	0	n/a	
524	March 2020	385057.7	6478940.7	Marri (Corymbia calophylla)	510	7	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
525	March 2020	385056.9	6478913.4	Jarrah (Eucalyptus marginata)	820	14	No	0	n/a	
526	March 2020	385061.2	6478906.5	Jarrah (Eucalyptus marginata)	500	12	No	0	n/a	
527	March 2020	385052.9	6478900.4	Jarrah (Eucalyptus marginata)	850	13	No	0	n/a	
528	March 2020	385059.6	6478896.2	Jarrah (Eucalyptus marginata)	820	12	No	0	n/a	
529	March 2020	385035.9	6478870.7	Marri (Corymbia calophylla)	540	12	No	0	n/a	
530	March 2020	385031.3	6478849.6	Marri (Corymbia calophylla)	500	12	No	0	n/a	
531	March 2020	385028.9	6478839.6	Tuart (Eucalyptus gomphocephala)	650	14	No	0	n/a	



Tree No.	Survey date	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Foraging evidence	Number of hollows	Minimum width of hollow entrance (cm) and hollow height (m)	Photograph
532	March 2020	385029.6	6478826.0	Tuart (Eucalyptus gomphocephala)	640	13	No	0	n/a	
533	March 2020	385029.5	6478811.9	Jarrah (Eucalyptus marginata)	800	12	No	0	n/a	

<sup>\*</sup>Tree was not marked using differential GPS as they were unable to be safely accessed. An approximate GPS coordinate was taken in the field and then the point was manually moved to closest tree identified using aerial photography.



Table O.2: Locations of vertebrate conservation listed species recorded during the survey.

Species name			Zone 50 J		Observation type (number of	
(common name)	Status	Easting (mE)	Northing (mN)	Date	records)	Photograph
Calyptorhynchus latirostris (Carnaby's cockatoo)		383753	6485064	26/09/2019	One individual observed foraging on <i>Banksia prionotes</i>	
		EN; EN	384772	6481653	27/09/2019	One individual observed perching on concrete wall and foraging in <i>Eucalyptus marginata</i> tree
		386000	6476651	26/03/2020	Feeding evidence (Marri nuts)	
		385220	6478020	27/03/2020	Seven individuals heard	No photo available



Species name		MGA 2	Zone 50 J		Observation type (number of		
(common name)	Status	Easting (mE)	Date  Northing (mN)		records)	Photograph	
Calyptorhynchus latirostris (Carnaby's cockatoo)	EN; EN	385224	6478025	27/03/2020	Feeding evidence (Marri nuts)		
Calyptorhynchus banksii naso (forest red-tailed black	VU; VU	385886	6476969	26/03/2020	Two individuals sighted		
cockatoo)		386232	6475615	10/04/2019*	Feeding evidence (Marri nuts)		



Species name	MGA Zone 50 J		Observation type (number of			
(common name)	Status	Easting (mE)	Northing (mN)	Date	records)	Photograph
Calyptorhynchus banksii naso (forest red-tailed black cockatoo)		386069	6476416	26/03/2020	Feeding evidence (Marri nuts)	
	_	VU; VU	386024	6476624	26/03/2020	Feeding evidence (Marri nuts)
		385847	6477038	26/03/2020	Feeding evidence {She-oak fruit)	



Species name	<b>.</b>	MGA Zone 50 J			Observation type (number of		
(common name)	Status	Easting (mE)	Northing (mN)	Date	records)	Photograph	
		384702	6482394	27/09/19	Individual sighting of roadkill.  Diggings present in adjacent vegetation.	No photo available	
Isoodon fusciventer (quenda)	P4	385492	6477549	26/03/2020	Secondary sign {Diggings}		
		385855	6477016	26/03/2020	Secondary sign {Diggings}		

<sup>\*</sup>Recorded during previous April 2019 survey (Astron Environmental Services 2019).

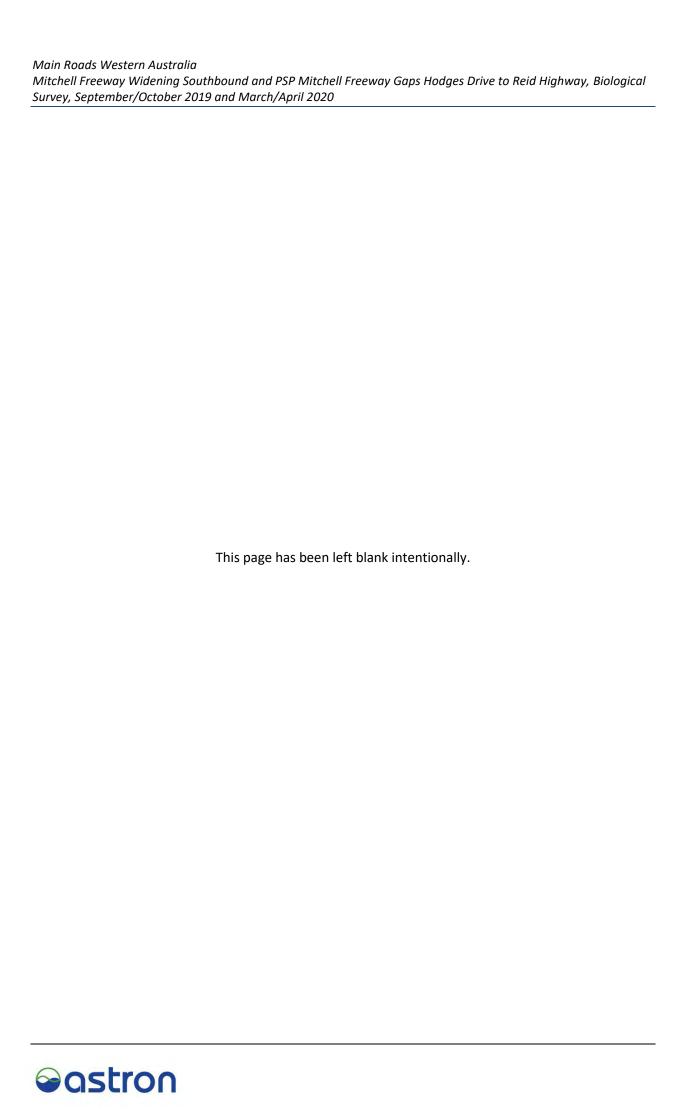


Main Roads Western Australia
Mitchell Freeway Widening Southbound and PSP Mitchell Freeway Gaps Hodges Drive to Reid Highway, Biological Survey, September/October 2019 and March/April 2020

### References

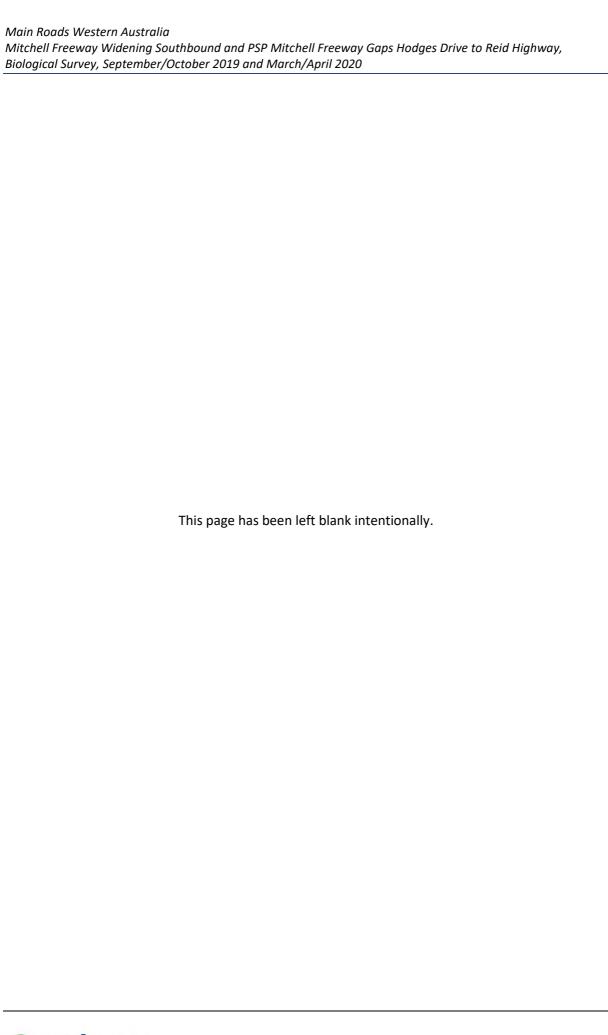
Astron Environmental Services. 2019. PSP Mitchell Freeway Gaps: Hodges Drive to Reid Highway Targeted Black Cockatoo Assessment. unpublished report prepared for Main Roads Western Australia, Perth, WA.















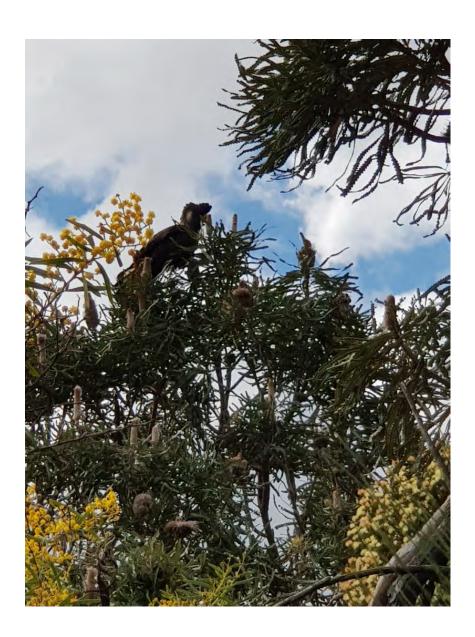
Database No:

SPECIES NAME:	Carnaby's Black-Cockatoo (Calyp	torhynchus latirostris)	NUMBE	IUMBER SEEN: 1					
OBSERVATION DATE	26/09/2019		TIME:	1400 am/pm					
OBSERVER NAME/S:	Alexandra Sleep								
Organisation/Company		Environmental Scientist	BUONE						
EMAIL: alexandra.sle	eep@astron.com.au		PHONE: 94	21 9600					
<b>OBSERVATION LOCATION:</b> (i.e. property address, street and suburb, distance to nearest intersection, reserve name/number etc.)									
	und road reserve approximately 2 nue to the east in the City of Joor			freeway and adjacent to The					
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:					
Latitude/Northing:	6485064.09	GDA94 ⊠	GPS ⊠	30m ⊠ 10km □					
Longitude/Easting:	383753.49	- WGS84 □ Unknown □	Map  Coogle Forth	300m ☐ 50km ☐					
Zone (required for UTMs):	50 J	Other (specify):	Google Earth ☐ GIS ☐	1km ☐ 100km ☐					
LAND TENURE:									
Nature Reserve  National Park  Conservation Park		Property Rail I al Lease Main Road I UCL Shire Road I	Reserve 🛛 State Wat	al Reserve Shire Reserve Other (specify):					
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:							
Certain ⊠	Photo ⊠	Number of Adults:	Number of Juveniles:	Number of Pouch Young:					
Moderately certain	Specimen	Male	Male	Male					
Not sure ☐	Identified by expert	Female Unknown 1	Female Unknown	 Female Unknown					
Expert name, affiliation:			<u> </u>						
	TURES/DESCRIPTION OF (	DBSERVED ANIMAL: (red	quired to confirm identific	ation or attach photo)					
•	Photo attached  OBSERVATION: (animal activity and other relevant details)  Observed foraging on Banksia prionotes.								
	ILS: (select as many as applicab								
METHOD:		TYPE:							
Opportunistic Survey Survey Monitoring Other (specify): Survey/monitoring type (specify) out botanical survey.		Dawn sighting ☐ Day sighting ☑ Dusk sighting ☐ Night sighting ☐ Dead (fresh) ☐ Dead (degenerated) ☐	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil	☐ Released ☐ ☐ Other (specify): ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐					
SECONDARY SIGNS:	L								
Sc	ats ☐ Natural cks ☐ Artificial	/Mound	ers/Hair/Fur/Skin   Bones   Eggs/eggshell   Shell	Feeding residue  Fauna run  Other (specify):					
CAUSE OF DEATH:				=					
Roa Found s Found poiso	shot Stranded o	n beach  Predat	n by native animal ☐ ion by cat/fox/dog ☐ vation/malnutrition ☐	Unknown ☐ Other (specify):					



Database No:
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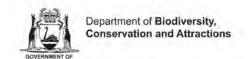
REPRODUCTIVE STA	TE:			
Non-breed		gnant 🔲	Nesting	Unknown ⊠
	<b>o</b>	tating	Eggs in nest	Other(specify):
Breeding colo Breeding/Mating			Young in nest ☐ dgling emergence ☐	
Diodang/Mating t	out 🗆 Tourige	110		
SPECIMEN: (Select as r	many as applicable)			
Fresh carcas	s Partial ca		Skull/bones	Not retained 🖂
Frozen carcas			/Fur/Skin/feather	Other (specify):
Degenerated carcass	s ☐ Spirit spe	cimen 🗌	Scats	
Specimen location and o	catalogue number:			
WA Museum	Other Museum/Collection	Given to the D	Department	Retained by collector
Catalogue No:	Museum/Collection name:	Office location	n:	Collectors Reference No.
	Catalogue No.	Contact name	:	
Specimen identified by (	name, affiliation):			
LIADITAT INFORMATI	ON- 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	`		
	ON: (Select as many as applicable	2)		
Landform:	_	_		- 0
Cave	Hill/Mountain	Open Depression	Lak	
Cliff ☐ Rocky outcrop ☐	Slope ☐ Sand dune☐	Drainage line ☐ River ☐	Wetlan Swam	<b>~</b> 🗆
Gully/Gorge	Flat	Creek $\square$	Aquife	
Ridge	Plain □	Seepage □	Estuar	
Crest/Summit ☐	Closed Depression  ☐	Pool	Beac	h □
Vegetation Type:				
Forest	Scrubland ⊠	Saltbush/Samphire	Revegetation	n ☐ Park ☐
Woodland	Grassland ☐	Rock Community	Farmlan	d ☐ Garden ☐
Shrubland 🖂	Spinifex	Wetland/Riparian	Orchar	
Mallee	Sedgeland	Remnant Vegetation	Plantation	n ∐
Associated flora species	s, ecological communities, and o	ther habitat information:		
Planted vegetation along f	reeway road reserve dominated by	Acacia rostellifera, Melale	uca systena with scatter	ed Banksia prionotes
FIRE HISTORY:				
	r, or estimate time passed):	Fire I	ntensitv: High □ Mediu	m ☐ Low ☐ No signs of fire ⊠
· ·	.,			
OTHER COMMENTS:				
Culturalities of account		Onn11	d Dalas	
	Alexandra Sleep	Organisation an		onmental Scientist
Contact Details:	alexandra.sleep@astron.com.au	Date Sub	mitted: 04/12/2019	





Database No:	
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SPECIES NAME:	Carnaby's Black-Cockatoo (Caly	otorhynchus latirostris)	NUMBE	R SEEN: 1
OBSERVATION DATE	27/09/2019		TIME:	1500 am/pm
OBSERVER NAME/S:	Alexandra Sleep			
Organisation/Company		Environmental Scientist		
EMAIL: alexandra.sl	eep@astron.com.au		PHONE: 94	21 9600
OBSERVATION LOCA	ATION: (i.e. property address, st	reet and suburb, distance to r	nearest intersection, rese	rve name/number etc.)
•	und road reserve, near the location in the suburb of Woodvale.	on where the principal shared	pathway joins with Trailv	vood Drive, approximately 350 m
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:
Latitude/Northing:	6481653	GDA94 ⊠ WGS84 □	GPS ⊠	30m ⊠ 10km □
Longitude/Easting:	384772	Unknown 🗆	Map ☐ Google Earth ☐	300m ☐ 50km ☐ 100km ☐
Zone (required for UTMs):	50 J	Other (specify):	GIS □	1km
LAND TENURE:		-	1	
Nature Reserve ☐ National Park ☐ Conservation Park ☐		Property Rail I al Lease Main Road I UCL Shire Road I	Reserve 🛛 State Wat	al Reserve  Shire Reserve Other (specify):  Marine Park
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:		
Certain ⊠ Moderately certain □	Photo ⊠ Specimen □	Number of Adults:  Male Female	Number of Juveniles:  Male Female	Number of Pouch Young:  Male Female
Not sure ☐	Identified by expert ☐	Unknown 1	Unknown	Unknown
Expert name, affiliation:		<u> </u>		<u> </u>
	ATURES/DESCRIPTION OF	OBSERVED ANIMAL: (re	quired to confirm identific	ation or attach photo)
`	al activity and other relevant detancrete wall and then foraging in ja	•		
OBSERVATION DETA	ILS: (select as many as applical	nle)		
METHOD:		TYPE:		
Opportunistic Survey Monitoring Other (specify): Survey/monitoring type (specify) out botanical survey/monitoring (specify) out		Dawn sighting ☐ Day sighting ☐ Dusk sighting ☐ Night sighting ☐ Dead (fresh) ☐ Dead (degenerated) ☐	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil	☐ Released ☐ ☐ Other (specify): ☐
SECONDARY SIGNS:				
Sc	ats ☐ Natura cks ☐ Artificia	/Mound	ers/Hair/Fur/Skin   Bones   Eggs/eggshell   Shell	Feeding residue  Fauna run  Other (specify):
CAUSE OF DEATH:				
Roa Found s Found poiso	shot Stranded of	on beach 🗌 Predat	n by native animal ☐ tion by cat/fox/dog ☐ vation/malnutrition ☐	Unknown ☐ Other (specify):



Database No:
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REPRODUCTIVE STAT	E:					
Non-breedin	g 🗌 Pre	gnant 🗌		Nesting ☐		Unknown 🛚
Matin		tating		s in nest	Other(specify):	
Breeding colour Breeding/Mating ca			Youn Fledgling em	g in nest		
Diccomig/Mating of	in		r loaging on	lergeriee 🖂		
SPECIMEN: (Select as ma	any as applicable)					_
Fresh carcass				l/bones		Not retained ⊠
Frozen carcass  Degenerated carcass		ample	Hair/Fur/Skin/	/feather ∐ Scats ☐	Other (specify):	
		лпеп 🗆		Scats 🗀		
Specimen location and ca				_		_
WA Museum	Other Museum/Collection		the Departmen	nt 📙	Retained by coll	
Catalogue No:	Museum/Collection name: Catalogue No.	Office loc Contact			Collectors Refer	ence No.
Specimen identified by /p/						
Specimen identified by (na	·					
HABITAT INFORMATIO	N: (Select as many as applicable	)				
Landform:						
Cave	Hill/Mountain	Open Depression		Lake		Ocean 🗌
Cliff	Slope	Drainage line		Wetland	ш	icial surface 🛛
Rocky outcrop ☐ Gully/Gorge ☐	Sand dune□ Flat □	River Creek	_	Swamp Aquifer		ecify): top of le batter
Ridge	Plain □	Seepage	_	Estuary		ground level)
Crest/Summit	Closed Depression  ☐	Pool		Beach		
Vegetation Type:						
Forest	Scrubland ☐	Saltbush/Samphire		Revegetation		Park 🗌
Woodland 🗵	Grassland 🔲	Rock Community		Farmland		Garden ☐
Shrubland ☐ Mallee ☐	Spinifex ☐ Sedgeland ☐	Wetland/Riparian Remnant Vegetation		Orchard Plantation		ecity):
	<u>_</u>			Plantation	Ц	
Associated flora species,	ecological communities, and of	her habitat informa	ion:			
	and Eucalyptus marginata woodl hoea preissii over a closed grassl			cacia iteaphylla,	Chamalaucium u	ncinatum over
FIRE HISTORY:						
Last fire (season and year,	or estimate time nassed):		ira Intansity:	High 🏻 Medium	n □ Low □ No si	ans of fire 🕅
	or estimate time passed).		ne intensity.	Tilgit 🖂 Mcdidit	1	gris of file 🖂
OTHER COMMENTS:						
Submitter of record: Al	exandra Sleep	Organisatio	n and Role:	Astron - Enviro	nmental Scientist	
Contact Details: al	exandra.sleep@astron.com.au	Date	Submitted:	04/12/19		





Database No:

SPECIES NAME:	Carnaby's Cockatoo (Calyptorhy	nchus latirostris)	NUMBE	R SEEN: 1
OBSERVATION DATE			TIME:	9:09 am/pm
OBSERVER NAME/S:		•		
Organisation/Company		- Environmental Scientist	5110115	
EMAIL: David.Keirle	@astron.com.au		PHONE: 94	21 9600
OBSERVATION LOCA	ATION: (i.e. property address, s	treet and suburb, distance	to nearest intersection, rese	rve name/number etc.)
Between Mitchell Freeway	and Oronsay Road, Warwick 10	00m north of Warwick Road	d overpass.	
OOODDINATEO.		DATUM	SOUPOE:	COORDINATE ACCURACY.
COORDINATES:	0.470054	DATUM: GDA94 ⊠	SOURCE:	COORDINATE ACCURACY:
Latitude/Northing:	6476651	WGS84 □	GPS ⊠ Map □	30m ⊠ 10km □
Longitude/Easting:	386000	Unknown	Google Earth	300m ☐ 50km ☐ 1km ☐ 100km ☐
Zone (required for UTMs):	50 J	Other (specify):	GIS 🗆	
LAND TENURE:				
Nature Reserve	<del></del> -	·		al Reserve  Shire Reserve
National Park ☐ Conservation Park ☐	Timber Reserve ☐ Pastor Water Reserve ☐	· —	<del></del>	ers <5.4km Other (specify):  Marine Park
_		OCE	au iveseive 🔲 💮 iv	
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:		
Certain	Photo ⊠	Number of Adults:	Number of Juveniles:	•
Moderately certain 🗵	Specimen	Male Female	Male Female	Male Female
Not sure □	Identified by expert	Unknown 1	Unknown	Unknown
Expert name, affiliation:		<b>-</b>		
DISTINGUISHING FEA	ATURES/DESCRIPTION OF	OBSERVED ANIMAL:	(required to confirm identific	ation or attach photo)
Photo attached				
OBSERVATION: (anima	al activity and other relevant deta	ails)		
OBSERVATION DETA	ILS: (select as many as applica	ible)		
METHOD:		TYPE:		
Opportunistic	Translocation □			Taken into care □
Survey 🛛	Historical (Written)	Dawn sighting	Caught/Trapped	□ Released □
Monitoring	Historical (Oral) ☐	Day sighting ☐ Dusk sighting ☐	Spotlighting Remote camera	
Other (specify):		Night sighting	Remote sensing	
Survey/monitoring type (sp	, ,	Dead (fresh)	Acoustic recorder	
observed while carrying of tree assessment	ut suitable Black Cockatoo	Dead (degenerated)	Subfossil/Fossil	
SECONDARY SIGNS:				
Цо				
ne.	ard ☐ Nes	t/Mound ☐ Fe	athers/Hair/Fur/Skin	Feeding residue ⊠
Sc	ats Natura	al Hollow 🗌	Bones □	Fauna run ☐
Sc Trac	ats Natura	al Hollow   Hollow	Bones ☐ Eggs/eggshell ☐	<u> </u>
Sc Trac Diggir	ats Natura	al Hollow 🗌	Bones □	Fauna run ☐
Sc Trac Diggir CAUSE OF DEATH:	ats Natura cks Artificia	al Hollow    al Hollow   Burrow	Bones	Fauna run  Other (specify):
Sc Trac Diggir CAUSE OF DEATH:	ats Natura cks Artificia ngs   dkill Found	al Hollow	Bones ☐ Eggs/eggshell ☐	Fauna run ☐



Database No:

REPRODUCTIVE STA	ГЕ:			
Non-breedi	· —	egnant	Nesting	Unknown ⊠ Other(specify):
Mati Breeding colou			Eggs in nest ☐ 'oung in nest ☐	Other(specify).
Breeding/Mating of			g emergence	
ODEOMEN (O.)			_	
SPECIMEN: (Select as n		_	_	Not not be a d M
Fresh carcass	<del>_</del>		Skull/bones	Not retained ⊠
Frozen carcass  Degenerated carcass	<b>—</b>	sample ☐ Hair/Fur/S ecimen ☐	Skin/feather  Scats	Other (specify):
<del>-</del>				
Specimen location and c	_			
WA Museum	Other Museum/Collection	Given to the Depar	tment 🔲	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.	Office location: Contact name:		Collectors Reference No.
		Contact name.		
Specimen identified by (	name, affiliation):			
HABITAT INFORMATION	ON: (Select as many as applicable	le)		
Landform:				
Cave □	Hill/Mountain ☐	Open Depression	Lake	
Cliff	Slope	Drainage line	Wetland	<del></del>
Rocky outcrop	Sand dune□ Flat □	River ☐ Creek ☐	Swamp	
Gully/Gorge ☐ Ridge ☐	Plain ☐	Seepage □	Aquifer Estuary	
Crest/Summit □	Closed Depression□	Pool	Beach	
Vegetation Type:			-	
Forest	Scrubland	Saltbush/Samphire	Revegetation	n □ Park □
Woodland	Grassland	Rock Community	Farmland	
Shrubland	Spinifex	Wetland/Riparian	Orchard	<del>_</del>
Mallee	Sedgeland 🗌	Remnant Vegetation 🛛	Plantation	n 🗌
Associated flora species	, ecological communities, and o	other habitat information:		
	freeway road reserve dominated	by Tuart (Eucalyptus gomphoce	ohala), Jarrah (Euca	alyptus marginata) and Marri
(Corymbia calophylla).				
FIRE HISTORY:				
Last fire (season and year	r, or estimate time passed):	Fire Intens	ity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire 🛛
OTHER COMMENTS:				
Submitter of record: F	Prittony Oshora	Organisation and Ro	le: Actron Carda	onmontal Caicatiat
	Brittany Osborn orittany.osborn@astron.com.au	Date Submitte		onmental Scientist
Contact Details.	many.oobonieaonon.com.au	Date Submitte	u. 14/04/2020	





Database No:

SPECIES NAME:	Carnaby's Cockatoo (Calyptorhynchus latirostris) NUMBER SEEN: 7					
OBSERVATION DATE			TIME: 6:54 am/pm			
OBSERVER NAME/S:						
Organisation/Company		Environmental Scientist				
<b>EMAIL:</b> David.Keirle	EMAIL: David.Keirle@astron.com.au PHONE: 9421 9600					
OBSERVATION LOCA	TION: (i.e. property address, str	eet and suburb, distance to r	nearest intersection, reser	ve name/number etc.)		
	and Oronsay Road, Warwick 100					
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:		
Latitude/Northing:	6478020	GDA94 ⊠ WGS84 □	GPS ⊠	30m ⊠ 10km □		
Longitude/Easting:	385220	Unknown	Map ☐ Google Earth ☐	300m ☐ 50km ☐		
Zone (required for UTMs):	50 J	Other (specify):	GIS□	1km		
LAND TENURE:						
Nature Reserve ☐ National Park ☐ Conservation Park ☐	<del></del>	Property ☐ Rail I Il Lease ☐ Main Road I UCL ☐ Shire Road I	Reserve 🛛 State Wate	al Reserve Shire Reserve Other (specify): larine Park		
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:				
Certain ⊠	Photo □	Number of Adults:	Number of Juveniles:	Number of Pouch Young:		
Moderately certain	Specimen	Male	Male	Male		
Not sure	Identified by expert	Female	Female	Female		
Francisco - Williams		Unknown 7	Unknown	Unknown		
Expert name, affiliation:						
DISTINGUISHING FEA	TURES/DESCRIPTION OF C	DBSERVED ANIMAL: (red	quired to confirm identification	ation or attach photo)		
OBSERVATION: (anima	al activity and other relevant detai	ls)				
		lo)				
	ILS: (select as many as applicab					
	Translocation  Historical (Written)  Historical (Oral)   Decify): observed calling while Cockatoo tree assessment	Dawn sighting Day sighting Day sighting Dusk sighting Night sighting Dead (fresh) Dead (degenerated)	Caught/Trapped   Spotlighting   Remote camera   Remote sensing   Acoustic recorder   Subfossil/Fossil	Released  Other (specify):		
SECONDARY SIGNS:						
Sci Trac Diggin	ats Natural Natrificial	Mound	ers/Hair/Fur/Skin ☐ Bones ☐ Eggs/eggshell ☐ Shell ☐	Feeding residue ☐ Fauna run ☐ Other (specify):		
CAUSE OF DEATH:		–	_	□مامال		
Roa Found s Found poiso	shot Stranded o	n beach 🗌 Predat	n by native animal  ion by cat/fox/dog  vation/malnutrition	Unknown ☐ Other (specify):		



Database No:

REPRODUCTIVE STA	ГЕ:			
Non-breedi	· —	egnant	Nesting	Unknown ⊠ Other(specify):
Mati Breeding colou			Eggs in nest ☐ 'oung in nest ☐	Other(specify).
Breeding/Mating of			g emergence	
ODEOMEN (O.)			_	
SPECIMEN: (Select as n		_	_	Not not be a d M
Fresh carcass	<del>_</del>		Skull/bones	Not retained ⊠
Frozen carcass  Degenerated carcass	<b>—</b>	sample ☐ Hair/Fur/S ecimen ☐	Skin/feather  Scats	Other (specify):
<del>-</del>				
Specimen location and c	_			
WA Museum	Other Museum/Collection	Given to the Depar	tment 🔲	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.	Office location: Contact name:		Collectors Reference No.
<u> </u>		Contact name.		
Specimen identified by (	name, affiliation):			
HABITAT INFORMATION	ON: (Select as many as applicable	le)		
Landform:				
Cave □	Hill/Mountain ☐	Open Depression	Lake	
Cliff	Slope	Drainage line	Wetland	<del></del>
Rocky outcrop	Sand dune□ Flat □	River ☐ Creek ☐	Swamp	
Gully/Gorge ☐ Ridge ☐	Plain ☐	Seepage □	Aquifer Estuary	
Crest/Summit □	Closed Depression□	Pool	Beach	
Vegetation Type:			-	
Forest	Scrubland	Saltbush/Samphire	Revegetation	n □ Park □
Woodland	Grassland	Rock Community	Farmland	
Shrubland	Spinifex	Wetland/Riparian	Orchard	<del>_</del>
Mallee	Sedgeland 🗌	Remnant Vegetation 🛛	Plantation	n 🗌
Associated flora species	, ecological communities, and o	other habitat information:		
	freeway road reserve dominated	by Tuart (Eucalyptus gomphoce	ohala), Jarrah (Euca	alyptus marginata) and Marri
(Corymbia calophylla).				
FIRE HISTORY:				
Last fire (season and year	r, or estimate time passed):	Fire Intens	ity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire 🛛
OTHER COMMENTS:				
Submitter of record: F	Prittony Oshora	Organisation and Ro	le: Actron Carda	onmontal Caicatiat
	Brittany Osborn orittany.osborn@astron.com.au	Date Submitte		onmental Scientist
Contact Details.	many.oobonieaonon.com.au	Date Submitte	u. 14/04/2020	



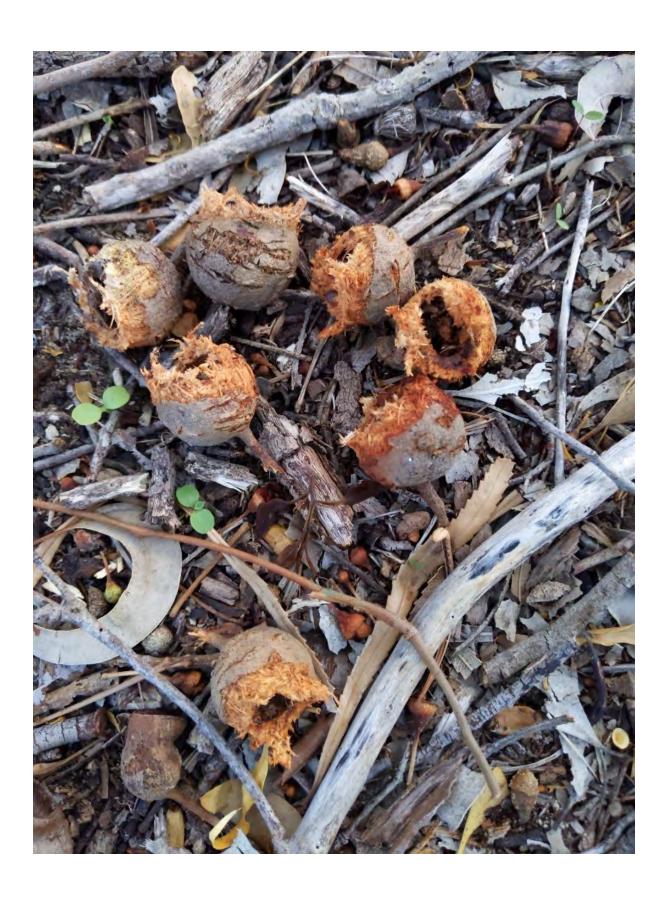
Database No:

SPECIES NAME:	Carnaby's Cockatoo (Calyptorhyr	nchus latirostris)	NUMBI	NUMBER SEEN: 1				
<b>OBSERVATION DATE</b>	27/03/2020		TIME: 6:47 am/pm					
OBSERVER NAME/S:	David Keirle Kady Grosser							
Organisation/Company		Environmental Scientis						
EMAIL: David.Keirle	@astron.com.au		PHONE: 94	21 9600				
OBSERVATION LOCATION: (i.e. property address, street and suburb, distance to nearest intersection, reserve name/number etc.)								
Between Mitchell Freeway and Oronsay Road, Warwick 100m north of Warwick Road overpass.								
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:				
Latitude/Northing:	6478025	GDA94	GPS ⊠					
Longitude/Easting:	385224	− WGS84 [ Unknown [	Map ☐	30m ☑ 10km ☐ 300m ☐ 50km ☐				
Zone (required for UTMs):	50 J	Other (specify):	☐ Google Earth ☐ GIS ☐	1km				
LAND TENURE:		Care (openity).						
Nature Reserve □	State Forest Private I	Property □	Rail Reserve □ Aborigir	nal Reserve  Shire Reserve				
National Park	<del></del>	· · · —		ters <5.4km Other (specify):				
Conservation Park	Water Reserve	UCL Shire R	oad Reserve 🗌 💮 📗	Marine Park 🗌				
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:						
		Number of Adults	: Number of Juveniles	Number of Pouch Young:				
Certain   Madarataly cartain	Photo 🛛	Male	Male	Male				
Moderately certain ⊠ Not sure □	Specimen ☐ Identified by expert ☐	Female	Female	Female				
1101 0010		Unknown 1	Unknown	Unknown				
Expert name, affiliation:								
DISTINGUISHING FEA	TURES/DESCRIPTION OF (	DBSERVED ANIMAL	: (required to confirm identific	cation or attach photo)				
Photo attached								
<b>OBSERVATION:</b> (animal	al activity and other relevant deta	ils)						
Evidence of birds feeding	on marri tree							
<b>OBSERVATION DETA</b>	ILS: (select as many as applicat	ole)						
METHOD:		TYPE:						
Opportunistic	Translocation			Taken into care				
Survey 🛛	Historical (Written)	Dawn sighting [		□ Released □				
Monitoring	Historical (Oral)	Day sighting [		_				
Other (specify):		Dusk sighting [ Night sighting [						
Survey/monitoring type (sp	pecify): feeding evidence	Dead (fresh) [						
observed while carrying or		Dead (degenerated) [	Subfossil/Fossil					
tree assessment								
SECONDARY SIGNS:								
	_		Feathers/Hair/Fur/Skin	Feeding residue ⊠ Fauna run □				
		Hollow ☐ Hollow ☐	Bones ☐ Eggs/eggshell ☐	Other (specify):				
Diggir		Burrow	Shell	• •				
CAUSE OF DEATH:								
Roadkill ☐ Found drowned ☐ Predation by native animal ☐ Unknown ☐								
Found shot Stranded on beach Predation by rative aliminal Other (specify):								
Found poisoned Annual die off Starvation/malnutrition								



Database No:	I
	ı

REPRODUCTIVE STAT	ΓE:			_				
Non-breedi	v <u>—</u>	egnant	Nesting	Unknown ⊠ Other(specify):				
Mati Breeding colou		ctating   pouch	Eggs in nest ☐ Young in nest ☐	Other(specify).				
Breeding/Mating of			gling emergence					
ODEOMEN (O.)								
SPECIMEN: (Select as m		<u>_</u>	_	Nat mateix and M				
Fresh carcass	<del>_</del>	arcass	Skull/bones	Not retained   Other (appoint):				
Frozen carcass Degenerated carcass	<del></del>	· —	Fur/Skin/feather ☐ Scats ☐	Other (specify):				
Specimen location and c	_	Q						
WA Museum	Other Museum/Collection	Given to the D	•	Retained by collector				
Catalogue No:	Museum/Collection name: Catalogue No.	Office location Contact name:		Collectors Reference No.				
		Contact name.						
Specimen identified by (r	name, affiliation):							
HABITAT INFORMATION	ON: (Select as many as applicable	le)						
Landform:								
Cave □	Hill/Mountain □	Open Depression	Lak					
Cliff	Slope □	Drainage line	Wetland					
Rocky outcrop	Sand dune□	River	Swam					
Gully/Gorge ☐ Ridge ☐	Flat ☐ Plain ☐	Creek ☐ Seepage ☐	Aquife Estuar					
Crest/Summit	Closed Depression ☐	Pool	Beacl					
Vegetation Type:	<u> </u>							
Forest	Scrubland	Saltbush/Samphire	Revegetation	o □ Park □				
Woodland □	Grassland	Rock Community	Farmlan	' <b>'</b>				
Shrubland	Spinifex	Wetland/Riparian ☐	Orchar					
Mallee ☐	Sedgeland ☐	Remnant Vegetation 🛛	Plantation	n 🗆				
Associated flora species	, ecological communities, and o	other habitat information:						
Remnant vegetation along	freeway road reserve dominated	by Tuart (Eucalyptus gomph	ocephala), Jarrah (Euc	alyptus marginata) and Marri				
(Corymbia calophylla).	-							
FIRE HISTORY:								
	r, or estimate time passed):	Fire In	tensity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire ☒				
OTHER COMMENTS:								
OTHER COMMENTS:								
Submitter of record:	Brittany Osborn	Organisation and	Role: Astron - Envir	ronmental Scientist				
Contact Details: b	orittany.osborn@astron.com.au	Date Subr	nitted: 14/04/2020					



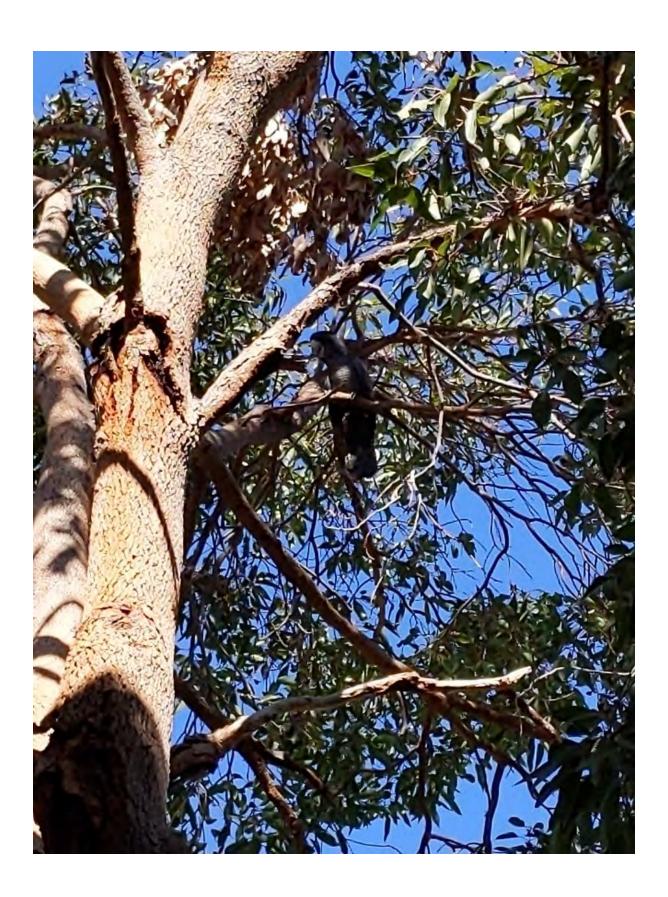


Database No:

SPECIES NAME:	Red-tailed Black-Cockatoo (Calyp	torhynchus banksii)	NUMBE	R SEEN: 2		
OBSERVATION DATE				TIME: 10:03 am/pm		
OBSERVER NAME/S: David Keirle Kady Grosser						
Organisation/Company and Role/Job Title: Astron- Environmental Scientist						
EMAIL: David.Keirle@astron.com.au PHONE: 9421 9600						
OBSERVATION LOCA	TION: (i.e. property address, str	eet and suburb, distance to r	nearest intersection, reser	ve name/number etc.)		
OBSERVATION LOCATION: (i.e. property address, street and suburb, distance to nearest intersection, reserve name/number etc.)  Between Mitchell Freeway and Oronsay Road, Warwick 100m north of Warwick Road overpass.						
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:		
Latitude/Northing:	6476969	GDA94 ⊠	GPS ⊠	30m ⊠ 10km □		
Longitude/Easting:	385886	- WGS84 □ Unknown □	Map  Coogle Forth	300m ☐ 50km ☐		
Zone (required for UTMs):	50 J	Other (specify):	Google Earth ☐ GIS ☐	1km ☐ 100km ☐		
LAND TENURE:		оо. (оросу).				
Nature Reserve National Park Conservation Park	<del></del>	Property Rail I al Lease Main Road I UCL Shire Road I	Reserve 🛛 State Wate	al Reserve Shire Reserve Other (specify):		
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:				
Certain ⊠	Photo ⊠	Number of Adults:	Number of Juveniles:	Number of Pouch Young:		
Moderately certain	Specimen	Male 1	Male	Male		
Not sure ☐	Identified by expert $\square$	Female 1 Unknown	Female Unknown	 Female Unknown		
Expert name, affiliation:		Offictiowit	Officiowit	Olikiowii		
	TURES/DESCRIPTION OF C	DRSERVED ANIMAL · (rea	quired to confirm identifica	ation or attach photo)		
OBSERVATION: (animal activity and other relevant details) Observed foraging on Cape Lilac Tree.						
OBSERVATION DETA	ILS: (select as many as applicab	ile)				
METHOD:		TYPE:				
Opportunistic ☐ Survey ☒ Monitoring ☐ Other (specify): Survey/monitoring type (specify)	Translocation ☐ Historical (Written) ☐ Historical (Oral) ☐	Dawn sighting ☐ Day sighting ☐ Dusk sighting ☐ Night sighting ☐ Dead (fresh) ☐ Dead (degenerated) ☐	Caught/Trapped [ Spotlighting [ Remote camera [ Remote sensing [ Acoustic recorder [ Subfossil/Fossil [	☐ Released ☐☐ ☐ Other (specify):		
SECONDARY SIGNS:	•					
Sci Trac Diggin	ats Natural	Mound	ers/Hair/Fur/Skin   Bones   Eggs/eggshell   Shell	Feeding residue ⊠ Fauna run □ Other (specify):		
CAUSE OF DEATH:  Roadkill ☐ Found drowned ☐ Predation by native animal ☐ Unknown ☐						
Found s Found poiso	shot Stranded o	n beach 🗌 Predat	tion by cat/fox/dog  vation/malnutrition	Other (specify):		



REPRODUCTIVE STAT	E:				_
Non-breedir	<u> </u>	Pregnant 🗌		Nesting	Unknown ⊠
Matir Breeding colou		actating   n pouch		s in nest ☐ g in nest ☐	Other(specify):
Breeding colou  Breeding/Mating ca		n pouch □ g at heel □	roun Fledgling em	-	
SPECIMEN: (Select as m	any as applicable)				_
Fresh carcass		carcass		I/bones	Not retained ⊠
Frozen carcass		sample   pecimen	Hair/Fur/Skin/		Other (specify):
Degenerated carcass				Scats	
Specimen location and ca	_			_	_
WA Museum	Other Museum/Collection		Given to the Departme	nt 🗌	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.		Office location: Contact name:		Collectors Reference No.
		'	Contact name.		
Specimen identified by (n	ame, affiliation):				
HABITAT INFORMATIO	N: (Select as many as applica	ble)			
Landform:					
Cave □	Hill/Mountain	Open Der	oression	Lake	☐ Ocean ☐
Cliff	Slope		age line 🗌	Wetland	
Rocky outcrop	Sand dune		River 🗌	Swamp	
Gully/Gorge ☐ Ridge ☐	Flat ☐ Plain ☐	c	Creek □ Seepage □	Aquifer Estuary	
Crest/Summit	Closed Depression ☐		Pool	Beach	
Vegetation Type:	<u> </u>				
Forest	Scrubland	Saltbush/S	amphire □	Revegetation	□ Park □
Woodland	Grassland		mmunity 🗌	Farmland	
Shrubland	Spinifex		Riparian 🔲	Orchard	<del></del>
Mallee	Sedgeland	Remnant Ve	getation 🛚	Plantation	
Associated flora species,	ecological communities, and	other habitat	information:		
	freeway road reserve dominated	d by Tuart (Euc	alyptus gomphocephal	a), Jarrah (Euca	lyptus marginata) and Marri
(Corymbia calophylla).					
FIRE HISTORY:					
Last fire (season and year	, or estimate time passed):		Fire Intensity:	High   Mediur	n ☐ Low ☐ No signs of fire ⊠
OTHER COMMENTS:					
Submitter of record: K	ady Grosser	Ora	anisation and Role:	Astron - Fnviro	onmental Scientist
<del></del>	ady.grosser@astron.com.au		Date Submitted:	09/04/2020	





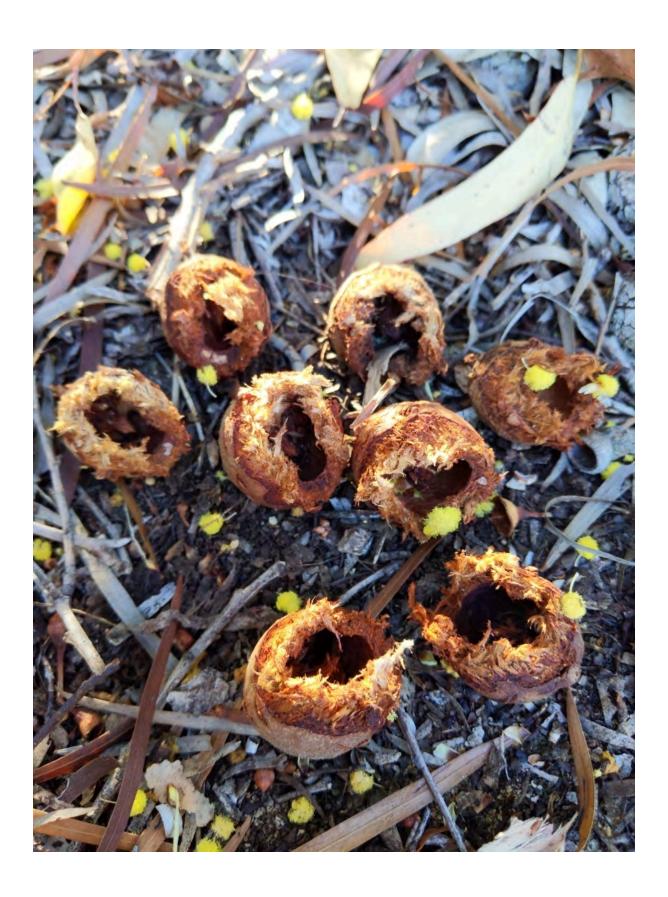
Database No:

SPECIES NAME:	Red-tailed Black-Cockatoo (Calyptorhynchus banksii)  NUMBER SEEN: 1				
OBSERVATION DATE					
OBSERVER NAME/S: David Keirle Kady Grosser					
	Organisation/Company and Role/Job Title: Astron- Environmental Scientist				
EMAIL: David.Keirle@astron.com.au PHONE: 9421 9600					
OBSERVATION LOCA	ATION: (i.e. property address, str	reet and suburb, distance to	nearest intersection, reser	rve name/number etc.)	
Between Mitchell Freeway	and Oronsay Road, Warwick 10	0m north of Warwick Road o	verpass.		
COORDINATEO		DATUM	COURCE	COORDINATE ACCURACY.	
COORDINATES:	0.470.440	DATUM: GDA94 ⊠	SOURCE:	COORDINATE ACCURACY:	
Latitude/Northing:	6476416	WGS84 □	GPS ⊠ Map □	30m ⊠ 10km □	
Longitude/Easting:	386069	Unknown 🗌	Google Earth ☐	300m	
Zone (required for UTMs):	50 J	Other (specify):	GIS 🗆	1km	
LAND TENURE:		1			
Nature Reserve □	<del></del>	· / —		al Reserve  Shire Reserve	
National Park		al Lease Main Road		ers <5.4km Other (specify):	
Conservation Park	Water Reserve □	UCL Shire Road	Reserve 🔲 💮 N	larine Park ☐	
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:			
Certain ☐	Photo ⊠	Number of Adults:	Number of Juveniles:		
Moderately certain ⊠	Specimen □	Male Female	_ Male Female	 Male Female	
Not sure ☐	Identified by expert	Unknown 1	Unknown	Unknown	
Expert name, affiliation:					
	ATURES/DESCRIPTION OF (	DBSERVED ANIMAL: (re	equired to confirm identification	ation or attach photo)	
Photo attached		·	·	<u> </u>	
. Hoto attached					
OBSERVATION: (animal activity and other relevant details)					
OBSERVATION DETA	ILS: (select as many as applicab	ole)			
METHOD:		TYPE:			
	Translocation □			Taken into care □	
Opportunistic ☐ Survey ⊠	Historical (Written)	Dawn sighting	Caught/Trapped	□ Released □	
Monitoring	Historical (Oral)	Day sighting ☐ Dusk sighting ☐	Spotlighting   Remote camera	_	
Other (specify):		Night sighting ☐	Remote sensing	<b>=</b> . `` ''	
Survey/monitoring type (s	pecify): feeding evidence	Dead (fresh)	Acoustic recorder		
, ,	ut suitable Black Cockatoo	Dead (degenerated)	Subfossil/Fossil		
tree assessment SECONDARY SIGNS:					
	ard ☐ Nest	/Mound □ Feath	oro/Hoir/Eur/Skin 🗆	Feeding residue ⊠	
	· · · <u>=</u>	Hollow □ Featr	ners/Hair/Fur/Skin ☐ Bones ☐	Fauna run	
Trac	cks Artificial	Hollow 🗌	Eggs/eggshell	Other (specify):	
	ngs 🗌	Burrow	Shell 🗌		
CAUSE OF DEATH:					
	· –		n by native animal	Unknown  Other (specify):	
Found : Found poiso	_		tion by cat/fox/dog  vation/malnutrition	Canon (opcony).	



Database No:

REPRODUCTIVE STA	ГЕ:			
Non-breedi	· —	egnant	Nesting	Unknown ⊠ Other(specify):
Mati Breeding colou			Eggs in nest ☐ 'oung in nest ☐	Other(specify).
Breeding/Mating of			g emergence	
ODEOMEN (O.)			_	
SPECIMEN: (Select as n		_	_	Not not be a d M
Fresh carcass	<del>_</del>		Skull/bones	Not retained ⊠
Frozen carcass  Degenerated carcass	<b>—</b>	sample ☐ Hair/Fur/S ecimen ☐	Skin/feather  Scats	Other (specify):
<del>-</del>				
Specimen location and c	_			
WA Museum	Other Museum/Collection	Given to the Depar	tment 🔲	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.	Office location: Contact name:		Collectors Reference No.
		Contact name.		
Specimen identified by (	name, affiliation):			
HABITAT INFORMATION	ON: (Select as many as applicable	le)		
Landform:				
Cave □	Hill/Mountain ☐	Open Depression	Lake	
Cliff	Slope	Drainage line	Wetland	<del></del>
Rocky outcrop	Sand dune□ Flat □	River ☐ Creek ☐	Swamp	
Gully/Gorge ☐ Ridge ☐	Plain ☐	Seepage □	Aquifer Estuary	
Crest/Summit □	Closed Depression□	Pool	Beach	
Vegetation Type:			-	
Forest	Scrubland	Saltbush/Samphire	Revegetation	n □ Park □
Woodland	Grassland	Rock Community	Farmland	
Shrubland	Spinifex	Wetland/Riparian	Orchard	<del>_</del>
Mallee	Sedgeland 🗌	Remnant Vegetation 🛚	Plantation	n 🗌
Associated flora species	, ecological communities, and o	other habitat information:		
	freeway road reserve dominated	by Tuart (Eucalyptus gomphoce	ohala), Jarrah (Euca	alyptus marginata) and Marri
(Corymbia calophylla).				
FIRE HISTORY:				
Last fire (season and year	r, or estimate time passed):	Fire Intens	ity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire 🛛
OTHER COMMENTS:				
Submitter of record: F	Prittony Oshora	Organisation and Ro	le: Actron Carda	onmontal Caicatiat
	Brittany Osborn orittany.osborn@astron.com.au	Date Submitte		onmental Scientist
Contact Details.	many.oobonieaonon.com.du	Date Submitte	u. 14/04/2020	





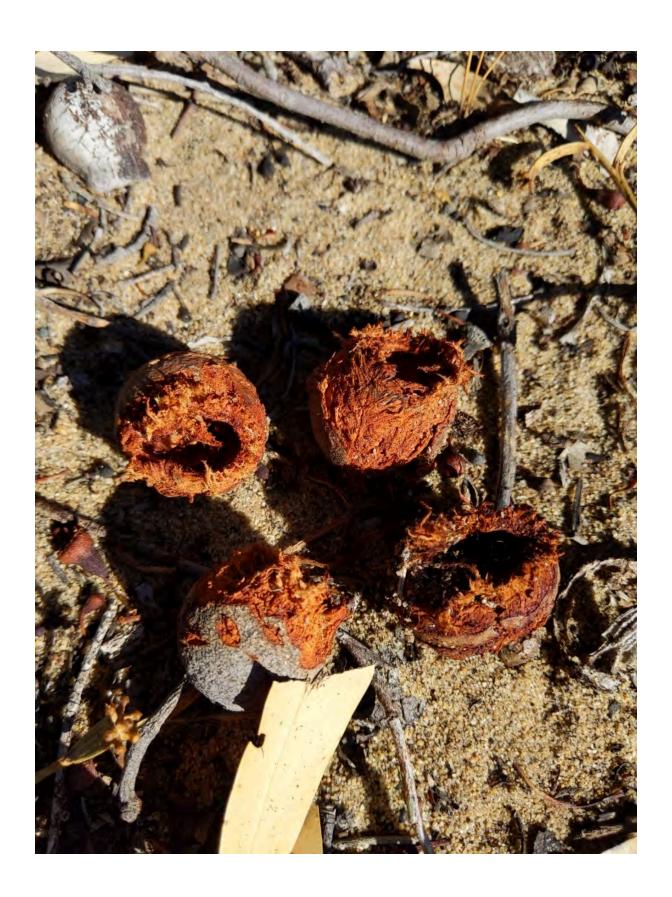
Database No:

ODCEDVATION DATE	NAME: Red-tailed Black-Cockatoo (Calyptorhynchus banksii) NUMBER SEEN: 1				
DBSERVATION DATE:         26/03/2020         TIME:         9:01 am/pm					
OBSERVER NAME/S: David Keirle Kady Grosser					
Organisation/Company and Role/Job Title: Astron- Environmental Scientist					
EMAIL: David.Keirle@astron.com.au PHONE: 9421 9600					
OBSERVATION LOCA	TION: (i.e. property address, str	reet and suburb, distance to r	nearest intersection, reser	rve name/number etc.)	
Between Mitchell Freeway	and Oronsay Road, Warwick 10	0m north of Warwick Road or	verpass.		
COORDINATEO		DATUM	COURCE	COORDINATE ACCURACY.	
COORDINATES:	0.47000.4	DATUM: GDA94 ⊠	SOURCE:	COORDINATE ACCURACY:	
Latitude/Northing:	6476624	WGS84 □	GPS ⊠ Map □	30m ⊠ 10km □	
Longitude/Easting:	386024	Unknown 🗌	Google Earth	300m ☐ 50km ☐ 1km ☐ 100km ☐	
Zone (required for UTMs):	50 J	Other (specify):	GIS □	1km ☐ 100km ☐	
LAND TENURE:					
Nature Reserve		· , —		al Reserve  Shire Reserve	
National Park ☐ Conservation Park ☐	Timber Reserve ☐ Pastors Water Reserve ☐	al Lease Main Road FUCL Shire Road F	<del></del>	ers <5.4km Other (specify):  Marine Park	
_		Julie Road I	\teseive □ iv		
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:			
Certain ☐	Photo ⊠	Number of Adults:	Number of Juveniles:	Number of Pouch Young:	
Moderately certain 🗵	Specimen	Male Female	Male Female	Male Female	
Not sure □	Identified by expert	Unknown 1	Unknown	Unknown	
Expert name, affiliation:					
DISTINGUISHING FEA	TURES/DESCRIPTION OF	OBSERVED ANIMAL: (re	quired to confirm identification	ation or attach photo)	
Photo attached					
OBSERVATION: (animal activity and other relevant details)					
	al activity and other relevant deta	ils)			
	al activity and other relevant deta	ils)			
	al activity and other relevant deta	ils)			
	al activity and other relevant deta	ils)			
OBSERVATION DETA	al activity and other relevant deta				
OBSERVATION DETA	ILS: (select as many as applicat				
METHOD:	ILS: (select as many as applicat	ole)		Taken into care □	
	ILS: (select as many as applicat	ole)  TYPE:  Dawn sighting □	Caught/Trapped		
METHOD:  Opportunistic □	ILS: (select as many as applicated as a many as a possible as a many as a possible as a many as a possible as a many as a m	ole)  TYPE:  Dawn sighting □  Day sighting □	Caught/Trapped Spotlighting Remote camera	Released	
METHOD:  Opportunistic ☐  Survey ☒	ILS: (select as many as applicated as a many as	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Night sighting	Spotlighting	Released  Other (specify): secondary	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (specify)	Translocation Historical (Written) Historical (Oral)	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)	Spotlighting   Remote camera   Remote sensing   Acoustic recorder	Released  Other (specify): secondary sign	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (spobserved while carrying or	ILS: (select as many as applicate a many applicate a	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Night sighting	Spotlighting   Remote camera   Remote sensing	Released  Other (specify): secondary sign	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (specify)	Translocation Historical (Written) Historical (Oral)	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)	Spotlighting   Remote camera   Remote sensing   Acoustic recorder	Released  Other (specify): secondary sign	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (spobserved while carrying of tree assessment  SECONDARY SIGNS:	Translocation  Historical (Written)  Historical (Oral)  Decify): feeding evidence ut suitable Black Cockatoo	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)  Dead (degenerated)	Spotlighting   Remote camera   Remote sensing   Acoustic recorder	Released  Other (specify): secondary sign	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (spobserved while carrying of tree assessment  SECONDARY SIGNS:  Head Sco	Translocation  Historical (Written)  Historical (Oral)  Decify): feeding evidence ut suitable Black Cockatoo  Nest	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)  Dead (degenerated)   Mound  Feath	Spotlighting   Remote camera   Remote sensing   Acoustic recorder   Subfossil/Fossil   ers/Hair/Fur/Skin   Bones	Released  Other (specify): secondary sign  Feeding residue  Fauna run	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (spobserved while carrying of tree assessment  SECONDARY SIGNS:  Head Scont Trace	Translocation  Historical (Written)  Historical (Oral)  Secify): feeding evidence ut suitable Black Cockatoo  Ard  Nest Natural Sks  Artificial	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)  Dead (degenerated)   Feath Hollow  Hollow  Hollow	Spotlighting   Remote camera   Remote sensing   Acoustic recorder   Subfossil/Fossil    ers/Hair/Fur/Skin   Bones   Eggs/eggshell	Released  Other (specify): secondary sign  Feeding residue	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (spobserved while carrying on tree assessment  SECONDARY SIGNS:  Head Scan Trace Diggir	Translocation  Historical (Written)  Historical (Oral)  Secify): feeding evidence ut suitable Black Cockatoo  Ard  Nest Natural Sks  Artificial	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)  Dead (degenerated)   Mound  Feath	Spotlighting   Remote camera   Remote sensing   Acoustic recorder   Subfossil/Fossil   ers/Hair/Fur/Skin   Bones	Released  Other (specify): secondary sign  Feeding residue  Fauna run	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (spobserved while carrying of tree assessment  SECONDARY SIGNS:  Head Scant Trace Diggir  CAUSE OF DEATH:	Translocation  Historical (Written)  Historical (Oral)  Secify): feeding evidence ut suitable Black Cockatoo  Artificial Artificial  Historical  Historical (Oral)  H	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)  Dead (degenerated)   Mound  Feath Hollow  Hollow  Burrow	Spotlighting   Remote camera   Remote sensing   Acoustic recorder   Subfossil/Fossil    ers/Hair/Fur/Skin   Bones   Eggs/eggshell   Shell	Released   Other (specify): secondary sign  Feeding residue  Fauna run  Other (specify):	
METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (spobserved while carrying of tree assessment  SECONDARY SIGNS:  Head Scant Trace Diggir  CAUSE OF DEATH:	Translocation  Historical (Written)  Historical (Written)  Historical (Oral)  Decify): feeding evidence ut suitable Black Cockatoo  Translocation  Nesters  Natural  Natural  Artificial  Historical (Oral)  Historical (Oral)  Historical  Nesters  Natural  Historical  Natural  Natural  Historical  Historical	Die)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)  Dead (degenerated)   Feath Hollow  Hollow  Burrow  Predation	Spotlighting   Remote camera   Remote sensing   Acoustic recorder   Subfossil/Fossil    ers/Hair/Fur/Skin   Bones   Eggs/eggshell	Released  Other (specify): secondary sign  Feeding residue  Fauna run	



Database No:

REPRODUCTIVE STA	ГЕ:			
Non-breedi	· —	egnant	Nesting	Unknown ⊠ Other(specify):
Mati Breeding colou			Eggs in nest ☐ 'oung in nest ☐	Other(specify).
Breeding/Mating of			g emergence	
ODEOMEN (O.)			_	
SPECIMEN: (Select as n		_	_	Not not be a d M
Fresh carcass	<del>_</del>		Skull/bones	Not retained ⊠
Frozen carcass  Degenerated carcass	<b>—</b>	sample ☐ Hair/Fur/S ecimen ☐	Skin/feather  Scats	Other (specify):
<del>-</del>				
Specimen location and c	_			
WA Museum	Other Museum/Collection	Given to the Depar	tment 🔲	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.	Office location: Contact name:		Collectors Reference No.
		Contact name.		
Specimen identified by (	name, affiliation):			
HABITAT INFORMATION	ON: (Select as many as applicable	le)		
Landform:				
Cave □	Hill/Mountain ☐	Open Depression	Lake	
Cliff	Slope	Drainage line	Wetland	<del></del>
Rocky outcrop	Sand dune□ Flat □	River ☐ Creek ☐	Swamp	
Gully/Gorge ☐ Ridge ☐	Plain ☐	Seepage □	Aquifer Estuary	
Crest/Summit □	Closed Depression□	Pool	Beach	
Vegetation Type:			-	
Forest	Scrubland	Saltbush/Samphire	Revegetation	n □ Park □
Woodland	Grassland	Rock Community	Farmland	
Shrubland	Spinifex	Wetland/Riparian	Orchard	<del>_</del>
Mallee	Sedgeland 🗌	Remnant Vegetation 🛛	Plantation	n 🗌
Associated flora species	, ecological communities, and o	other habitat information:		
	freeway road reserve dominated	by Tuart (Eucalyptus gomphoce	ohala), Jarrah (Euca	alyptus marginata) and Marri
(Corymbia calophylla).				
FIRE HISTORY:				
Last fire (season and year	r, or estimate time passed):	Fire Intens	ity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire 🛛
OTHER COMMENTS:				
Submitter of record: F	Prittony Oshora	Organisation and Ro	le: Actron Carda	onmontal Caicatiat
	Brittany Osborn orittany.osborn@astron.com.au	Date Submitte		onmental Scientist
Contact Details.	many.oobonieaonon.com.du	Date Submitte	u. 14/04/2020	





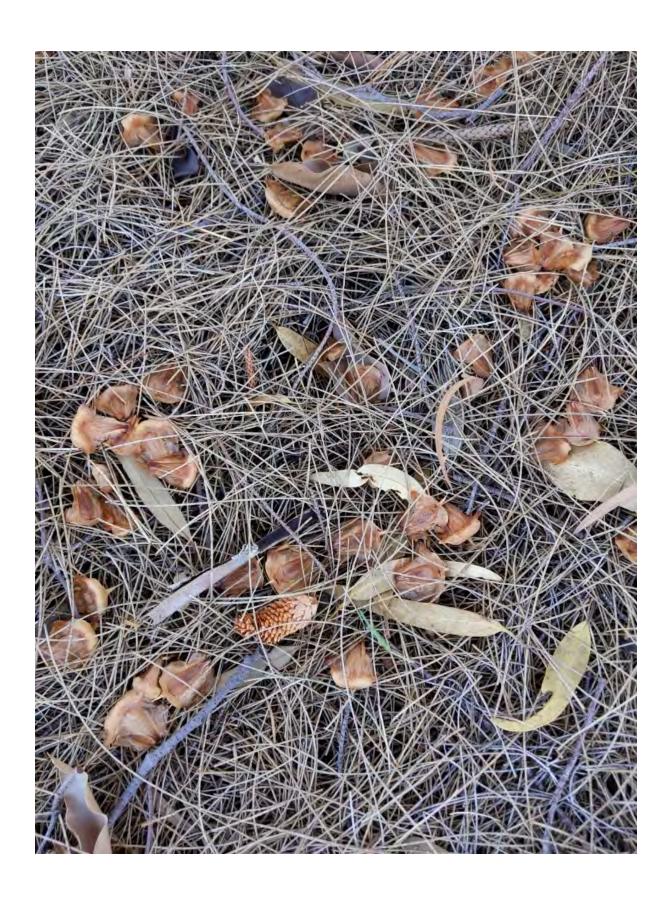
Database No:	
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SPECIES NAME:	Red-tailed Black-Cockatoo (Calyp	torhynchus banksii)	NUMBE	R SEEN: 1
OBSERVATION DATE	<u></u> <u></u>			
OBSERVER NAME/S: David Keirle Kady Grosser				
Organisation/Company		Environmental Scientist		
EMAIL: David.Keirle	@astron.com.au		PHONE: 94	21 9600
OBSERVATION LOCA	ATION: (i.e. property address, str	eet and suburb, distance to r	nearest intersection, reser	rve name/number etc.)
Between Mitchell Freeway	and Oronsay Road, Warwick 100	Om north of Warwick Road or	verpass.	
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:
Latitude/Northing:	6477038	GDA94 ⊠	GPS ⊠	GOORDINATE AGGORAGE.
•	385847	- WGS84 □	Map □	30m ⊠ 10km □ 300m □ 50km □
Longitude/Easting:		Unknown 🗆	Google Earth	1km
Zone (required for UTMs):	50 J	Other (specify):	GIS 🗌	
LAND TENURE:				
Nature Reserve	<del></del>			al Reserve Shire Reserve
National Park ☐ Conservation Park ☐	Timber Reserve ☐ Pastora Water Reserve ☐	al Lease ☐ Main Road I UCL ☐ Shire Road I	<del>-</del>	ers <5.4km Other (specify):  Marine Park
	<u> </u>			
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:	North and January	Name to a set Boards Volume
Certain ☐	Photo 🛛	Number of Adults: Male	Number of Juveniles: Male	Number of Pouch Young: Male
Moderately certain ⊠	Specimen	Female	Female	Female
Not sure □	Identified by expert	Unknown 1	Unknown	Unknown
Expert name, affiliation:				
DISTINGUISHING FEA	ATURES/DESCRIPTION OF C	DBSERVED ANIMAL: (red	quired to confirm identification	ation or attach photo)
Photo attached				
OBSERVATION: (anim	al activity and other relevant detai	ls)		
OBSERVATION DETA	ILS: (select as many as applicab	ile)		
METHOD:		TYPE:		
On mantumintin [	Translagation [			Taken into care □
Opportunistic ☐ Survey ⊠	Translocation ☐ Historical (Written) ☐	Dawn sighting	Caught/Trapped	□ Released □
Monitoring	Historical (Oral)	Day sighting	Spotlighting   Remote camera	
Other (specify):		Dusk sighting ☐ Night sighting ☐	Remote carriera	
Survey/monitoring type (s	pecify): feeding evidence	Dead (fresh) □	Acoustic recorder	
	ut suitable Black Cockatoo	Dead (degenerated)	Subfossil/Fossil	
tree assessment				
SECONDARY SIGNS:	_	_	_	Feeding residue ⊠
	· · · ·	′Mound ☐ Feath Hollow □	ers/Hair/Fur/Skin   Ropes   Ro	Fauna run □
	<del></del>	Hollow	Bones ☐ Eggs/eggshell ☐	Other (specify):
Diggir		Burrow	Shell	
CAUSE OF DEATH:				
Roa	dkill Found o	drowned Predation	n by native animal	Unknown ☐
Found	shot Stranded o		ion by cat/fox/dog	Other (specify):
Found poiso	ned $\square$ Annua	l die off ☐ Star	/ation/malnutrition □	



Database No:

REPRODUCTIVE STA	ГЕ:			
Non-breedi	· —	egnant	Nesting	Unknown ⊠ Other(specify):
Mati Breeding colou			Eggs in nest ☐ 'oung in nest ☐	Other(specify).
Breeding/Mating of			g emergence	
ODEOMEN (O.)			_	
SPECIMEN: (Select as n		_	_	Not not be a d M
Fresh carcass	<del>_</del>		Skull/bones	Not retained ⊠
Frozen carcass  Degenerated carcass	<b>—</b>	sample ☐ Hair/Fur/S ecimen ☐	Skin/feather  Scats	Other (specify):
<del>-</del>				
Specimen location and c	_			
WA Museum	Other Museum/Collection	Given to the Depar	tment 🔲	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.	Office location: Contact name:		Collectors Reference No.
		Contact name.		
Specimen identified by (	name, affiliation):			
HABITAT INFORMATION	ON: (Select as many as applicable	le)		
Landform:				
Cave □	Hill/Mountain ☐	Open Depression	Lake	
Cliff	Slope	Drainage line	Wetland	<del></del>
Rocky outcrop	Sand dune□ Flat □	River ☐ Creek ☐	Swamp	
Gully/Gorge ☐ Ridge ☐	Plain ☐	Seepage □	Aquifer Estuary	
Crest/Summit □	Closed Depression□	Pool	Beach	
Vegetation Type:			-	
Forest	Scrubland	Saltbush/Samphire	Revegetation	n □ Park □
Woodland	Grassland	Rock Community	Farmland	
Shrubland	Spinifex	Wetland/Riparian	Orchard	<del>_</del>
Mallee	Sedgeland 🗌	Remnant Vegetation 🛛	Plantation	n 🗌
Associated flora species	, ecological communities, and o	other habitat information:		
	freeway road reserve dominated	by Tuart (Eucalyptus gomphoce	ohala), Jarrah (Euca	alyptus marginata) and Marri
(Corymbia calophylla).				
FIRE HISTORY:				
Last fire (season and year	r, or estimate time passed):	Fire Intens	ity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire 🛛
OTHER COMMENTS:				
Submitter of record: F	Prittony Oshora	Organisation and Ro	le: Actron Carda	onmontal Caicatiat
	Brittany Osborn orittany.osborn@astron.com.au	Date Submitte		onmental Scientist
Contact Details.	many.oobonieaonon.com.du	Date Submitte	u. 14/04/2020	





<b>OBSERVATION DATE</b>		lon fusciventer)		ER SEEN: 1
	E: 26/03/2020 TIME: 13:38 am/pm			
OBSERVER NAME/S: David Keirle Kady Grosser				
Organisation/Company and Role/Job Title: Astron- Environmental Scientist				
EMAIL: David.Keirle@astron.com.au PHONE: 9421 9600				
OBSERVATION LOCA	TION: (i.e. property address, str	eet and suburb, distance to r	nearest intersection, rese	rve name/number etc.)
Between Mitchell Freeway	and Oronsay Road, Warwick 10	Om north of Warwick Road or	verpass.	
ĺ	,		•	
			<u> </u>	
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:
Latitude/Northing:	6477549	GDA94 ⊠ - WGS84 □	GPS ⊠	30m ⊠ 10km □
Longitude/Easting:	385492	Unknown 🗌	Map ☐ Google Earth ☐	300m 50km
Zone (required for UTMs):	50 J	Other (specify):	GIS 🗆	1km
LAND TENURE:		<u>l</u>		
Nature Reserve ☐	State Forest Private F	Property Rail I	Reserve Aborigin	al Reserve Shire Reserve
National Park		al Lease 🔲 Main Road I		ers <5.4km Other (specify):
Conservation Park	Water Reserve □	UCL Shire Road I	Reserve \( \square \)	larine Park ☐
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:		
Certain ☐	Photo ⊠	Number of Adults:	Number of Juveniles:	Number of Pouch Young:
Moderately certain ⊠	Specimen	Male	Male	Male
Not sure	Identified by expert	Female	Female	Female
Expert name, affiliation:		Unknown 1	Unknown	Unknown
	TUDES/DESCRIPTION OF (	DREDVED ANIMAL . (re-		ation on attack whatel
	ATURES/DESCRIPTION OF C	DESERVED ANIMAL. (16)	quirea to confirm identific	ation of attach photo)
Photo attached				
	al activity and other relevant deta			
	al activity and other relevant deta d opportunistically while carrying			
Bandicoot diggings sighte	d opportunistically while carrying	out a Black Cockatoo survey		
Bandicoot diggings sighte	d opportunistically while carrying of the carr	out a Black Cockatoo survey		
Bandicoot diggings sighte	d opportunistically while carrying of the carr	out a Black Cockatoo survey		
Bandicoot diggings sighte	d opportunistically while carrying of the carr	out a Black Cockatoo survey  ole)  TYPE:		Taken into care □
Bandicoot diggings sighte  OBSERVATION DETA  METHOD:  Opportunistic □ Survey ⊠	ILS: (select as many as applicability of the control of the contro	out a Black Cockatoo survey  ole)  TYPE:  Dawn sighting	Caught/Trapped	□ Released □
Bandicoot diggings sighte  OBSERVATION DETA  METHOD:  Opportunistic	ILS: (select as many as applicab	out a Black Cockatoo survey  ole)  TYPE:  Dawn sighting  Day sighting		☐ Released ☐
Bandicoot diggings sighte  OBSERVATION DETA  METHOD:  Opportunistic □ Survey ⊠	ILS: (select as many as applicability of the control of the contro	out a Black Cockatoo survey  ole)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Night sighting	Caught/Trapped Spotlighting Remote camera Remote sensing	☐ Released ☐ ☐ ☐ Other (specify): secondary ☐ sign
Bandicoot diggings sighte  OBSERVATION DETA  METHOD:  Opportunistic  Survey  Monitoring  Other (specify): Survey/monitoring type (specify)	Translocation Historical (Written) Historical (Oral)	out a Black Cockatoo survey  ole)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder	☐ Released ☐ ☐ ☐ Other (specify): secondary ☐ sign ☐
Bandicoot diggings sighte  OBSERVATION DETA  METHOD:  Opportunistic  Survey  Monitoring  Other (specify): Survey/monitoring type (sobserved while carrying or	ILS: (select as many as applicate a many as ap	out a Black Cockatoo survey  ole)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Night sighting	Caught/Trapped Spotlighting Remote camera Remote sensing	☐ Released ☐ ☐ ☐ Other (specify): secondary ☐ sign ☐
OBSERVATION DETA  METHOD:  Opportunistic Survey Monitoring Other (specify): Survey/monitoring type (sobserved while carrying of tree assessment	Translocation Historical (Written) Historical (Oral)	out a Black Cockatoo survey  ole)  TYPE:  Dawn sighting  Day sighting  Dusk sighting  Night sighting  Dead (fresh)	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder	☐ Released ☐ ☐ ☐ Other (specify): secondary ☐ sign ☐
OBSERVATION DETA METHOD:  Opportunistic Survey Monitoring Other (specify): Survey/monitoring type (sobserved while carrying of tree assessment  SECONDARY SIGNS:	Translocation Historical (Written) Historical (Oral) Historical (Oral) Decify): Bandicoot diggings ut suitable Black Cockatoo	Dawn sighting Day sighting Dusk sighting Night sighting Dead (fresh) Dead (degenerated)	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil	☐ Released ☐ ☐ ☐ Other (specify): secondary ☐ sign ☐
Bandicoot diggings sighter  OBSERVATION DETA  METHOD:  Opportunistic  Survey  Monitoring  Other (specify): Survey/monitoring type (sobserved while carrying of tree assessment  SECONDARY SIGNS: Hear	Translocation Historical (Written) Historical (Oral) Historical (Oral) Decify): Bandicoot diggings ut suitable Black Cockatoo	Dawn sighting Day sighting Dusk sighting Night sighting Dead (fresh) Dead (degenerated)	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder	Released   Other (specify): secondary sign  Feeding residue  Fauna run
Bandicoot diggings sighter  OBSERVATION DETA  METHOD:  Opportunistic  Survey  Monitoring  Other (specify): Survey/monitoring type (sobserved while carrying of tree assessment  SECONDARY SIGNS:  Head Socontines	Translocation Historical (Written) Historical (Oral) Historical (Oral) Decify): Bandicoot diggings ut suitable Black Cockatoo  Nestats Natural cks Artificial	Dawn sighting Day sighting Dusk sighting Dusk sighting Dead (fresh) Dead (degenerated) Peath Hollow Hollow	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil  ers/Hair/Fur/Skin  Bones  Eggs/eggshell	Released   Other (specify): secondary sign  Feeding residue
Bandicoot diggings sighter  OBSERVATION DETA  METHOD:  Opportunistic Survey Monitoring Other (specify): Survey/monitoring type (sobserved while carrying of tree assessment  SECONDARY SIGNS:  Head Sconting Company Signification of the Sconting Company Significa	Translocation Historical (Written) Historical (Oral) Historical (Oral) Decify): Bandicoot diggings ut suitable Black Cockatoo  Nestats Natural cks Artificial	Dawn sighting Day sighting Dusk sighting Dusk sighting Dead (fresh) Dead (degenerated) Feath Hollow	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil  ers/Hair/Fur/Skin  Bones	Released   Other (specify): secondary sign  Feeding residue  Fauna run
Bandicoot diggings sighter  OBSERVATION DETA  METHOD:  Opportunistic  Survey  Monitoring  Other (specify): Survey/monitoring type (sobserved while carrying of tree assessment  SECONDARY SIGNS:  Head Socontines	Translocation Historical (Written) Historical (Oral) Historical (Oral) Decify): Bandicoot diggings ut suitable Black Cockatoo  Nestats Natural cks Artificial	Dawn sighting Day sighting Dusk sighting Dusk sighting Dead (fresh) Dead (degenerated) Peath Hollow Hollow	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil  ers/Hair/Fur/Skin  Bones  Eggs/eggshell	Released   Other (specify): secondary sign  Feeding residue  Fauna run  Other (specify):
Bandicoot diggings sighter  OBSERVATION DETA  METHOD:  Opportunistic Survey Monitoring Context (specify): Survey/monitoring type (sobserved while carrying of tree assessment)  SECONDARY SIGNS:  Head Society Cause Of DEATH: Roa	Translocation  Historical (Written)  Historical (Oral)  Seciety: Bandicoot diggings ut suitable Black Cockatoo  House  Artificial  Historical  Histori	Dawn sighting Day	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil  ers/Hair/Fur/Skin  Bones  Eggs/eggshell  Shell  n by native animal	Released   Other (specify): secondary sign  Feeding residue  Fauna run  Other (specify):
Bandicoot diggings sighter  OBSERVATION DETA  METHOD:  Opportunistic ☐ Survey ☒ Monitoring ☐  Other (specify): Survey/monitoring type (sobserved while carrying of tree assessment)  SECONDARY SIGNS:  Head Sconting Cause Of DEATH:	Translocation  Historical (Written)  Historical (Oral)  Sut suitable Black Cockatoo  Artificial  Artificial  Shot  Stranded o	Dawn sighting Day	Caught/Trapped Spotlighting Remote camera Remote sensing Acoustic recorder Subfossil/Fossil  ers/Hair/Fur/Skin  Bones  Eggs/eggshell  Shell  Shell	Released   Other (specify): secondary sign  Feeding residue  Fauna run  Other (specify):



Database No:

REPRODUCTIVE STA	ГЕ:			
Non-breedi	· —	egnant	Nesting	Unknown ⊠ Other(specify):
Mati Breeding colou			Eggs in nest ☐ 'oung in nest ☐	Other(specify).
Breeding/Mating of			g emergence	
ODEOMEN (O.)			_	
SPECIMEN: (Select as n		_	_	Not not be a d M
Fresh carcass	<del>_</del>		Skull/bones	Not retained ⊠
Frozen carcass  Degenerated carcass	<b>—</b>	sample ☐ Hair/Fur/S ecimen ☐	Skin/feather  Scats	Other (specify):
<del>-</del>				
Specimen location and c	_			
WA Museum	Other Museum/Collection	Given to the Depar	tment 🔲	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.	Office location: Contact name:		Collectors Reference No.
		Contact name.		
Specimen identified by (	name, affiliation):			
HABITAT INFORMATION	ON: (Select as many as applicable	le)		
Landform:				
Cave □	Hill/Mountain ☐	Open Depression	Lake	
Cliff	Slope	Drainage line	Wetland	<del></del>
Rocky outcrop	Sand dune□ Flat □	River ☐ Creek ☐	Swamp	
Gully/Gorge ☐ Ridge ☐	Plain ☐	Seepage □	Aquifer Estuary	
Crest/Summit □	Closed Depression□	Pool	Beach	
Vegetation Type:			-	
Forest	Scrubland	Saltbush/Samphire	Revegetation	n □ Park □
Woodland	Grassland	Rock Community	Farmland	
Shrubland	Spinifex	Wetland/Riparian	Orchard	<del>_</del>
Mallee	Sedgeland 🗌	Remnant Vegetation 🛚	Plantation	n 🗌
Associated flora species	, ecological communities, and o	other habitat information:		
	freeway road reserve dominated	by Tuart (Eucalyptus gomphoce	ohala), Jarrah (Euca	alyptus marginata) and Marri
(Corymbia calophylla).				
FIRE HISTORY:				
Last fire (season and year	r, or estimate time passed):	Fire Intens	ity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire 🛛
OTHER COMMENTS:				
Submitter of record: F	Prittony Oshora	Organisation and Ro	le: Actron Carda	onmontal Caicatiat
	Brittany Osborn orittany.osborn@astron.com.au	Date Submitte		onmental Scientist
Contact Details.	many.oobonieaonon.com.du	Date Submitte	u. 14/04/2020	





Database No:

SPECIES NAME:	Southern Brown Bandicoot (Isoo	don fusciventer)	NUMBE	ER SEEN: 1
OBSERVATION DATE	E: 26/03/2020 TIME: 10:14 am/pm			
OBSERVER NAME/S: David Keirle Kady Grosser				
Organisation/Company and Role/Job Title: Astron- Environmental Scientist				
EMAIL: David.Keirle@astron.com.au PHONE: 9421 9600				
OBSERVATION LOCA	TION: (i.e. property address, st	reet and suburb, distance t	o nearest intersection, rese	rve name/number etc.)
Between Mitchell Freeway	and Oronsay Road, Warwick 10	0m north of Warwick Road	overpass.	
ŕ	,		•	
COORDINATES:		DATUM:	SOURCE:	COORDINATE ACCURACY:
Latitude/Northing:	6477016	GDA94 ⊠ WGS84 □	GPS ⊠	30m ⊠ 10km □
Longitude/Easting:	385855	Unknown	Map ☐ Google Earth ☐	300m 50km
Zone (required for UTMs):	50 J	Other (specify):	GIS 🗆	1km
LAND TENURE:			I	L
Nature Reserve ☐	State Forest Private	Property Ra	il Reserve  Aborigir	nal Reserve  Shire Reserve
National Park		_		ers <5.4km Other (specify):
Conservation Park	Water Reserve	UCL Shire Roa	d Reserve 🗌 N	∕larine Park □
CERTAINTY OF ANIM	AL IDENTIFICATION:	AGE AND SEX:		
Certain ☐	Photo ⊠	Number of Adults:	Number of Juveniles:	Number of Pouch Young:
Moderately certain ⊠	Specimen	Male	Male	Male
Not sure	Identified by expert	Female	Female	Female
Expert name, affiliation:		Unknown 1	Unknown	Unknown
	TUDES/DESCRIPTION OF	ODCEDVED ANIMAL.		otion or ottook whotel
	ATURES/DESCRIPTION OF	OBSERVED ANIMAL.	required to confirm identific	ation of attach photo)
Photo attached				
ODOEDVATION ( )				
	al activity and other relevant deta	<u> </u>		
Bandicoot diggings sighted opportunistically while carrying out a Black Cockatoo survey				
	ILS: (select as many as applical	<u> </u>		
METHOD:		TYPE:		
Opportunistic	Translocation	Danier ataletta e 🗆	Onwelst/Tunners of	☐ Taken into care ☐
Survey ⊠	Historical (Written) ☐	Dawn sighting ☐ Day sighting ☐	Caught/Trapped Spotlighting	1/6/6364 1 1
Monitoring	Historical (Oral)	Dusk sighting	Remote camera	
Other (specify):		Night sighting	Remote sensing	sign
	pecify): Bandicoot diggings	Dead (fresh)	Acoustic recorder	
observed while carrying of tree assessment	ut suitable Black Cockatoo	Dead (degenerated)	Subfossil/Fossil	Ш
SECONDARY SIGNS:				
	ard ☐ Nest	:/Mound 🗌 Fea	athers/Hair/Fur/Skin	Feeding residue □
		I Hollow □	Bones	Fauna run ☐
		Hollow 🔲	Eggs/eggshell	Other (specify):
Diggir	ngs 🖂	Burrow	Shell	
CAUSE OF DEATH:				
Roa Found :	<del>_</del>		tion by native animal	Unknown  Other (specify):
	shot!		dation by cat/fox/dog	Other (Specify):



Database No:

REPRODUCTIVE STA	ГЕ:			
Non-breedi	· —	egnant	Nesting	Unknown ⊠ Other(specify):
Mati Breeding colou			Eggs in nest ☐ 'oung in nest ☐	Other(specify).
Breeding/Mating of			g emergence	
ODEOMEN (O.)			_	
SPECIMEN: (Select as n		_	_	Not not be a d M
Fresh carcass	<del>_</del>		Skull/bones	Not retained ⊠
Frozen carcass  Degenerated carcass	<b>—</b>	sample ☐ Hair/Fur/S ecimen ☐	Skin/feather  Scats	Other (specify):
<del>-</del>				
Specimen location and c	_			
WA Museum	Other Museum/Collection	Given to the Depar	tment 🔲	Retained by collector
Catalogue No:	Museum/Collection name: Catalogue No.	Office location: Contact name:		Collectors Reference No.
		Contact name.		
Specimen identified by (	name, affiliation):			
HABITAT INFORMATION	ON: (Select as many as applicable	le)		
Landform:				
Cave □	Hill/Mountain ☐	Open Depression	Lake	
Cliff	Slope	Drainage line	Wetland	<del></del>
Rocky outcrop	Sand dune□ Flat □	River ☐ Creek ☐	Swamp	
Gully/Gorge ☐ Ridge ☐	Plain ☐	Seepage □	Aquifer Estuary	
Crest/Summit □	Closed Depression□	Pool	Beach	
Vegetation Type:			-	
Forest	Scrubland	Saltbush/Samphire	Revegetation	n □ Park □
Woodland	Grassland	Rock Community	Farmland	
Shrubland	Spinifex	Wetland/Riparian	Orchard	<del>_</del>
Mallee	Sedgeland 🗌	Remnant Vegetation 🛚	Plantation	n 🗌
Associated flora species	, ecological communities, and o	other habitat information:		
	freeway road reserve dominated	by Tuart (Eucalyptus gomphoce	ohala), Jarrah (Euca	alyptus marginata) and Marri
(Corymbia calophylla).				
FIRE HISTORY:				
Last fire (season and year	r, or estimate time passed):	Fire Intens	ity: High 🗌 Mediu	m ☐ Low ☐ No signs of fire 🛛
OTHER COMMENTS:				
Submitter of record: F	Prittony Oshora	Organisation and Ro	le: Actron Carda	onmontal Caicatiat
	Brittany Osborn orittany.osborn@astron.com.au	Date Submitte		onmental Scientist
Contact Details.	many.oobonieaonon.com.du	Date Submitte	u. 14/04/2020	



Attachment 4 - Kirkby (2020) Black Cockatoo Habitat Assessment

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# GENERAL FINDINGS OF BLACK COCKATOO SURVEY, EASTERN ROAD RESERVE BETWEEN HODGES DRIVE AND WARWICK ROAD.

Black cockatoos known from the survey area are Carnaby's Cockatoo *Calyptorhynchus latirostris*, Forest Red tailed Black Cockatoo (FRTBC) *Calyptorhynchus banksii naso*. Baudin's Cockatoo *Calyptorhynchus baudinii* also occurs in the Perth region, but is unlikely to occur at so far west on the Swan Coastal Plain other than as a possible vagrant.

Carnaby's Cockatoo is known to breed at the Edith Cowan University Campus approximately I km from the north section of the survey area at Joondalup Drive. 8-9 pairs breed each year in a mix of natural and artificial hollows (Simon Cherriman pers comm. Link to ECU news coverage provided).

The nearest know breeding area for FRTBC is approximately 30 km to the SE in the Darling Range.

#### Methods and timing

All trees above 500mm diameter at breast height (DBH) located in a previous survey (Astron 2019-2020) were inspected for the presence of black cockatoo breeding hollows. Species include Jarrah *E. marginata*, Tuart *E. gomphocepala* and Marri *Corymbia calophylla*. Hollows of the correct size and angle were inspected for signs of use such as chewing and wear around the entrance indicating past use. All trees were inspected from ground level using binoculars and if deemed necessary inspected using a pole camera.

The survey took place between June 15<sup>th</sup> and June 27<sup>th</sup> 2020.

#### **Breeding habitat**

A total of 329 trees were inspected. The majority of trees, though above 500mm DBH, appear to be relatively young and have not yet reached sufficient age to form hollows large enough for black cockatoos.

Of interest were trees number (numbers from Astron report) 103, 190, 230 and 290.

Tree 103 (Tuart) has a small hollow with a chewed entrance and was located on a previous survey (T. Kirkby 2019. Documents supplied) and is probably not a black cockatoo breeding hollow.

Tree 190 (dead stag) has a top entry hollow with chewing at the entrance (photograph supplied) Although the top section of the hollow is in poor condition it may still be deep enough to provide a black cockatoo breeding hollow.

Tree 230 (dead Tuart stag) has a hollow (photograph supplied) which has an entrance large enough for a black cockatoo but which shows no signs of use around the rim or internally and is unlikely to be a breeding hollow. The hollow is probably too shallow.

Tree 290 (Tuart) has a hollow with a suitable entrance for a black cockatoo and which shows chewing at the entrance. Feral bees are present in a nearby hollow preventing closer inspection with a pole camera. Photograph from ground level supplied.

#### Foraging habitat.

The quality of the understorey foraging habitat throughout the survey varies between poor and completely degraded. For the complete list of foraging species see Astron 2019-2020. The more relevant species utilised by black cockatoos in the remaining understorey are *Banksia sessilis*, *B. nivea*, *Hakea lissocarpha*, *H. prostrata*, *H. trifurcata*, *Xanthorroeah priessi*. All are food sources for Carnaby's Cockatoo.

Though most understorey vegetation in the survey is rated as degraded much of the overstorey has good canopy condition, particularly Jarrah, Marri, Tuart, Sheoak *Allocasuarina fraseriana* and to a limited extent *Banksia spp*. The overstorey species are particularly relevant to FRTBC (apart from *banksia* spp) which feed on seeds from Jarrah, Marri, Sheoak and to a lesser extent Tuart and very rarely do they feed below the canopy level. Jarrah, Marri and particularly *banksia* spp. are also utilised by Carnaby's Cockatoos as are Tuart and sheoak, though to a much lesser extent.

Foraging residues from Carnaby's Cockatoos at the survey area were noted from Marri and banksia. They were also observed feeding on Jarrah (Astron 2019-2020). Given the presence of breeding Carnaby's Cockatoos to the north within 1 km of the survey area, the vegetation, though not in pristine condition may provide foraging habitat for these breeding birds.

#### Roosting sites.

No roosting sites are known from the survey area and no signs of black cockatoos roosting were noted.

Tony Kirkby

Black cockatoo researcher

28<sup>th</sup> June 2020

Attachment 4 - Murdoch University Black Cockatoo Satellite Tracking Research Data

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#### **Murdoch University Black Cockatoo Satellite Tracking Data**



Source: Data and images supplied by Murdoch University (2020)

**Plate 1**. Carnaby's Cockatoo GPS satellite tracks (yellow), showing movement north and south, indicating that the general area surrounding the DE (green polygon) is a transit corridor for the species.



Source: Data and images supplied by Murdoch University (2020)

**Plate 2.** Wider view of the area showing the Carnaby's Cockatoo satellite tracks and utilisation of habitat in Neerabup National Park.