

**Significant Fauna Assessment for Kellerberrin Shire Road Upgrade
Baandee North Road
SLK 23 – SLK 29.5**



. Baandee North Road Reserve TEC.

Prepared for: Shire of Kellerberrin
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INTRODUCTION

Bamford Consulting Ecologists received a request from Steve Fry of Santaleuca Sandalwood Products, on behalf of the Shire of Kellerberrin, to conduct an assessment for significant fauna of Baandee North Road in the Kellerberrin Shire. This road goes through the North Baandee Nature Reserve, Reserve 33419, which is bisected in a north-western to south-eastern direction by Baandee North Road. The Shire propose to upgrade the road north of the reserve (**Figure 1**) to a Heavy Vehicle Corridor which would necessitate the widening of the existing road by a few metres either side. The fauna survey was over approximately 20 hectares of roadside vegetation, and targeted fauna on the Federal Protected Matters list (*Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) matters of National Environmental Significance; Department of the Environment 2014) considered potentially present. The main target species was the Shield-backed Trapdoor Spider (*Idiosoma nigrum*). Also of interest were Carnaby's Black-Cockatoo (*Calyptorhynchus latirostris*) and the Malleefowl (*Leipoa ocellata*). Some other significant species returned from a database review carried out by Santaleuca are not considered likely to be present; with the spider, black-cockatoo and Malleefowl these are listed and briefly discussed in Appendix 1.

METHODOLOGY

A survey of the project area commenced by searching for Shield-backed Trapdoor Spiders on the clay soil under eucalypts which is believed to be their preferred habitat. Two people were on site for one day to search for Trapdoor Spider burrows both within the area to be disturbed, along the road and in the reserve. Burrows suspected of belonging to the target species were inspected with a milliscope (**Figure 2**), if the burrow was large enough to allow this, in order to confirm this identification. The Shield-backed Trapdoor Spider can be confidently identified by this means as it blocks its burrow with the back of its armoured and ridged abdomen (**Figure 3**). Once the presence of the spiders was established in both areas, no further searching was done on spiders.

Following this, a systematic search of potential nesting trees for Carnaby's Black-Cockatoos was undertaken; this covered an area to a minimum of 20m either side of the existing road. Every tree with a DBH of 300mm or greater was location-marked by Garmin GPS units, measured and scored using the Bamford Consulting Ecologist's system (see

Table 1). This is consistent with guidance from the federal Department of Agriculture, Water and the Environment (DEE 2017). Each tree was identified, measured, determined live or dead then searched for hollows or spouts suitable for nests in order to assign it a rank as a potential nest tree. While undertaking the tree survey, searching was undertaken for Malleefowl mounds as the best indicator of the presence of the species.

Table 1. Ranking system for the assessment of potential nest trees for Black-Cockatoos.

Rank	Description of tree and hollows/activity
1	Active nest observed; adult (or immature) bird seen entering or emerging from hollow. Can also be used for a known nest tree active in the previous 12 months (although this should be noted in the description).
2	Hollow of suitable size and angle (i.e. near-vertical) visible with chew marks around entrance.
3	Potentially suitable hollow visible but no chew marks present; or potentially suitable hollow suspected to be present (as suggested by structure of tree, such as large, vertical trunk broken off at a height of >8m).
4	Tree with large hollows or broken branches that might contain large hollows but hollows or potential hollows are not vertical or near-vertical; thus a tree with or likely to have hollows of sufficient size but not to have hollows of the angle preferred by Black-Cockatoos.
5	Tree lacking large hollows or broken branches that might have large hollows; a tree with more or less intact branches and a spreading crown.

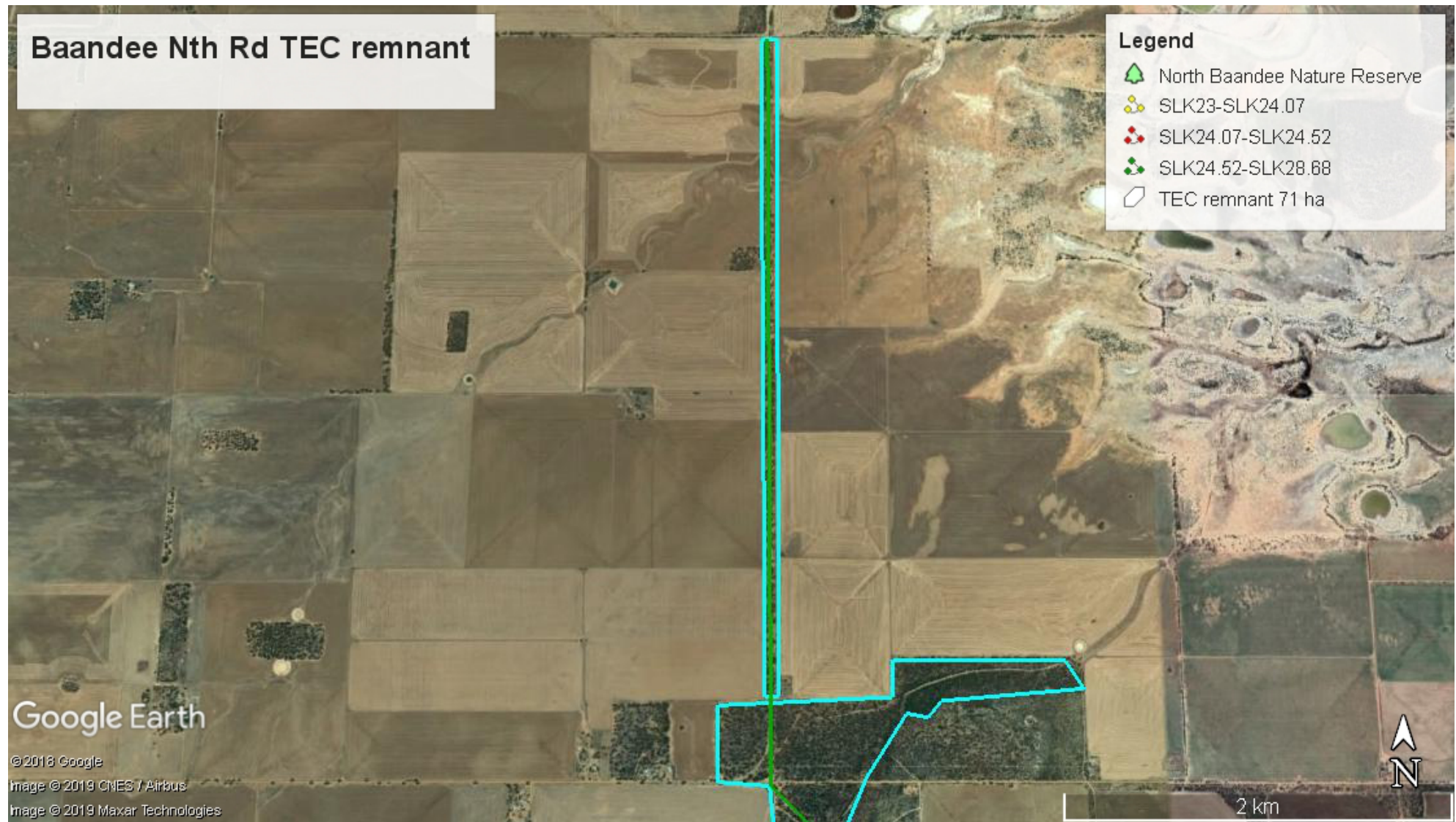


Figure 1. Location of Baandee North Road (proposed upgrade) and Baandee Nature Reserve.



Figure 2. Shield-backed Trapdoor Spider burrow open with milliscope probe inserted.



Figure 3. Shield-backed Trapdoor Spider at Baandee North Road viewed through the milliscope.

RESULTS

Site Description

Vegetation and Substrate Associations (VSAs) recognise broad groupings of substrate type and vegetation floristics and structure in order to describe environmental patterns across a landscape. Three VSAs were recognised and are outlined as follows.

VSA1: Tall Eucalypt woodland dominated by *Eucalyptus salmonophloia* to 15m and *E. salubris* to 12m (**Figure 4** and **Figure 5**). There are scattered *E. capilosa* to 10m and *E. longicornis* to 15m. There are isolated patches of the mallee *E. loxophleba subsp. lissophloia* to 6m mostly occurring on the interzone with VSA2. There is a very sparse understorey of mixed low shrubs. The understorey of this VSA is largely invaded by agricultural weeds such as Cape Tulip, Cape weed and grasses. VSA1 is a Threatened Ecological Community (TEC): Eucalypt Woodlands of the Western Australian Wheatbelt (DEE 2016). This VSA occurs on heavy loamy clay soil and lies along the road alignment from the North Baandee crossroad to the north end of the proposed upgrade. It occupies approximately 50% of the North Baandee reserve. Approximately 70% of the proposed disturbance area is this VSA.



Figure 4. VSA1 tall Eucalypt woodland TEC.



Figure 5. VSA1 tall Eucalypt woodland TEC along road verge.

VSA2: This VSA consists of a mix of Acacia, Melaleuca and Allocasuarina shrubs to 3m with an understorey of low shrubs and sedges to 0.5m (**Figure 6**). It occurs on yellow sand over lateritic gravel. The understorey of this VSA is largely invaded by agricultural weeds such as Cape Tulip, Cape weed, wild radish and grasses. This VSA is largely in a gravel extraction reserve to the south of the TEC woodland and occupies approximately 50% of the remnant bush adjacent to the reserve. Approximately 5% of the proposed disturbance area is this VSA.



Figure 6. VSA2 mixed shrubland.

VSA3: This VSA consists of a mix of Eucalypt mallee to 6m with isolated low shrubs and sedges on a sandy loam substrate with gravel and cobbles (**Figure 7**). The understorey of this VSA is largely invaded by agricultural weeds such as Cape Tulip, Cape weed, wild radish and grasses. This VSA occurs on the southern 25% of the proposed disturbance area and is not represented in the reserve area.



Figure 7. VSA3 mixed mallee over sedges on sandy loam with cobbles.

Shield-backed Trapdoor Spider

Five clusters of Shield-backed Trapdoor Spiders were discovered, both in the road reserve close to the road edge and further into the North Baandee Reserve. Such clusters typically consist of a large female and generations of offspring within about a metre. A complete list of burrows found may be seen in Table 2. The identity of the spiders as the target species was confirmed with the milliscope, and in all burrows where it was possible to see the spider, a hard, ridged abdomen was presented when the milliscope probe was inserted into the burrow (**Figure 3**). The spiders were in clay to clay-loam soil amongst mallee York Gum *Eucalyptus loxophleba lissifolia* (**Figure 8**). This tended to occur in the transition between VSA1 and VSA2. Some of the burrows were sufficiently close to the road to be impacted by the proposed road widening, but the survey was not comprehensive and there were spiders outside this footprint.

The Shield-backed Trapdoor Spider is listed as Vulnerable under the EPBC Act and under Schedule 2 (Endangered) of the *WA Biodiversity Conservation Act* (2018). It is confined to the western and central Wheatbelt from Bolgart in the West to Kellerberrin in the east, with populations scattered across small

reserves and many in decline (Rix *et al.* 2018). The Baandee Road North record represents a slight range extension and from the brief time spent searching it appears to be a healthy population with both juveniles and adults present.



Figure 8. *Eucalyptus loxophleba* subsp. *lissopholia*; habitat for Shield-backed Trapdoor Spiders.

Table 2. Shield-backed Trapdoor Spider burrows.

Datum GDA 94; Zone 50

Date	Waypoint code	Easting	Northing	Number of burrows	Notes	Photo taken	Checked with Milliscope
3/7/2020	ID1	588955.516	6528919.571	5	Cluster at base of mallee York Gum. Four of five burrows checked and three contained a spider. Appeared to be a dead spider in the largest burrow.	Yes	Yes
3/7/2020	ID2	588952.537	6528915.938	3	2 large and 2 medium-sized burrows. Spiders present.	Yes	Yes
3/7/2020	ID3	588950.837	6528883.807	1	Small, old burrow, couldn't get milliscope down far enough.	Yes	Yes
3/7/2020	IDNP1	589001.866	6528912.304	1	Single large burrow much material on lid . Spider present.	Yes	Yes
3/7/2020	IDNP2	589008.716	6528912.579	3	Diameters of burrows: 10.2mm 20.9mm and 8.1mm. Pale grey loam clay under smooth barked mallee. Spider present in largest burrow.	Yes	Yes

Carnaby's Black-Cockatoo

Using the Bamford Consulting Ecologists' method, 503 *Eucalyptus salmonophloia*, *Eucalyptus loxophleba*, *Eucalyptus salubris*, *Eucalyptus longicornis* and *Eucalyptus capillosa* were assessed for their potential as nesting sites for Carnaby's Black-Cockatoo (Appendix 1). Of the 503 trees, 89 had a rank of 3, meaning they had apparently suitable hollows for Carnaby's Black-Cockatoo, but with no sign of nesting activity. Similarly, no nesting activity had been found during spring visits to the site by S. Fry of Santaleuca.

Carnaby's Black-Cockatoo is listed as Endangered under the EPBC Act and under Schedule 2 (Endangered) of the *WA Biodiversity Conservation Act* (2018). It was formerly a winter/spring breeding visitor across the Wheatbelt but massive clearing for agriculture has resulted in its decline across much of its former range. It may formerly have bred in the general Kellerberrin area (towards the eastern limit of its range) but has declined and even disappeared from the east of its range (Johnstone and Storr 1998; Saunders and Ingram 1995).

Malleefowl

No evidence of Malleefowl activity (such as mounds or tracks) was found in the area surveyed along the road verge or in those parts of the North Baandee Nature Reserve that were visited. Although suitable habitat is present (**Figure 9**), particularly in the reserve, it is likely that the species is no longer resident due to the small area of native vegetation and the extent of habitat loss in the region.



Figure 9. Potential Malleefowl habitat for the Malleefowl in North Baandee Nature Reserve.

CONCLUSIONS

The Baandee North Road supports remnant native vegetation along its length and one fauna species of conservation significance has been confirmed to be present: the Shield-backed Trapdoor Spider. This species is also present in the nearby Nature Reserve. Other species of conservation significance returned from databases are not expected to be present regularly either along the road reserve or in the nature reserve, due largely to the extent of regional habitat loss and fragmentation.

A more comprehensive survey of the North Baandee Nature Reserve is recommended and should target the Shield-backed Trapdoor Spider and the Malleefowl. If the spider is abundant in the reserve this will represent a significant and outlying population as the species is declining in many other reserves to the west, and information on its abundance in the reserve will provide some context for the impact of the proposed road widening on spiders along the road. Although the Malleefowl is considered unlikely to be present in the reserve due to the reserve's small size and isolation, if the birds are present then there may be a risk of roadkill for which some management measures could be taken. There seems little likelihood of Carnaby's Black-Cockatoo still being present in the region, but any sightings should be reported to BirdLife Australia in Perth.

REFERENCES

- Department of Biodiversity, Conservation and Attractions (2019). Interim guideline for preliminary survey of the Night Parrot (*Pezoporus occidentalis*).
- Department of the Environment (2014). Matters of National Environmental Significance. Significant impact guidelines 1.1. Environment Protection and Biodiversity Conservation Act 1999. Australian Government.
- DEE (2016). Eucalypt Woodlands of the Western Australian Wheatbelt: a nationally protected ecological community, Commonwealth of Australia 2016.
- DEE. (2017). Revised draft referral guideline for three threatened black cockatoo species: Carnaby's Cockatoo, Baudin's Cockatoo and the Forest Red-tailed Black Cockatoo. Department of the Environment and Energy, Commonwealth of Australia, 2017, Canberra, Australian Capital Territory.
- Johnstone, R.E. and Storr, G.M. (1998). Handbook of Western Australian Birds Vol 1 – Non-passerines (Emu to Dollarbird). Western Australian Museum, Perth.
- Rix, M.G., Huey, J.A., Cooper, S.J.B., Austin, A.D. and Harvey, M.S. (2018). Conservation systematics of the shield-backed trapdoor spiders of the *nigrum* group (Mygalomorphae, Idiopidae, *Idiosoma*): integrative taxonomy reveals a diverse and threatened fauna from south-western Australia. ZooKeys 756: 1-121.
- Saunders, D. and Ingram, J. (1995). Birds of Southwestern Australia. An atlas of changes in distribution and abundance of the wheatbelt fauna. Surrey Beatty & Sons; and CSIRO.

Appendix 1. Species listed under the EPBC Act as mNES and returned from the Protected Matters Search Tool for the general region of the Baandee North Road project area as ‘species or species habitat may be present’.

This list does not include species listed solely as Marine under the EPBC Act, as these are not mNES and the Marine listing applies only in Commonwealth waters.

Species	Listing under EPBC Act	Likely status in Baandee North Road area and discussion
Curlew Sandpiper <i>Calidris ferruginea</i>	Critically Endangered	Vagrant and unlikely to be present except for occasional small numbers overflying the project area. A wetland species so no suitable habitat in project area.
Carnaby’s Black-Cockatoo <i>Calyptorhynchus latirostris</i>	Endangered	Vagrant and unlikely to be present except for occasional small numbers of birds making temporary visits to the area. The North Baandee site lies in the extreme north-east of the species’ range is (Johnson and Storr) and that range has contracted in recent years due to over-clearing for agriculture. The site does contain potential nesting habitat but due to clearing it lacks foraging habitat to sustain breeding birds. Surveys of the project area, including in spring 2019 (breeding season) have failed to detect the species.
Malleefowl <i>Leipoa ocellata</i>	Vulnerable	Probably locally extinct . Suitable habitat for the Malleefowl is present in the Baandee North Reserve but the species was not detected and is likely to have died out due to the small size and isolation of the reserve. There is a slight possibility of vagrant birds visiting the area.
Night Parrot <i>Pezoporus occidentalis</i>	Endangered	Probably locally extinct . The few recent records of this species are all well to the north; northern Murchison, Pilbara and Great Sandy Desert, western Queensland and northern South Australia. Furthermore, the project area does not provide the sort of habitat with which the specie is usually associated (DBCA 2017). The project area is also outside the high and medium priority regions for survey for the species identified in this guidance.
Australian Painted-snipe <i>Rostratula australis</i>	Endangered	Vagrant and unlikely to be present except for occasional birds making temporary visits to nearby wetlands; no suitable habitat in project area.
Chuditch <i>Dasyurus geoffroyii</i>	Vulnerable	Probably locally extinct . There are records on the species from near Mukinbudin and Ghooli in the 1990s and 2000s but there is no evidence of extant populations in the highly fragmented landscape of the eastern Wheatbelt.
Fork tailed Swift	Migratory	A highly mobile and largely aerial species that may be an occasional visitor throughout the greater South-West region in summer. This is a non-breeding visitor to Australia and has low reliance on small patches of terrestrial environments.
Grey Wagtail	Migratory	A vagrant in Australia and particularly in southern Australia; highly unlikely to ever occur in the project area

		and often associates with wetland margins which are absent.
Common Sandpiper <i>Actitis hypoleucos</i>	Migratory	Vagrant and unlikely to be present except for occasional small numbers overflying the project area. A wetland species so no suitable habitat in project area.
Sharp tailed Sandpiper <i>Calidris acuminata</i>	Migratory	Vagrant and unlikely to be present except for occasional small numbers overflying the project area. A wetland species so no suitable habitat in project area.
Pectoral Sandpiper <i>Calidris melanotos</i>	migratory	Vagrant and unlikely to be present except for occasional small numbers overflying the project area. A wetland species so no suitable habitat in project area.
Shield-backed Trapdoor Spider <i>Idiosoma nigrum</i>	Vulnerable	Resident. Nearest known populations prior to current surveys are XXkm to the west.

Appendix 2. Details on potential nest trees for Carnaby's Black-Cockatoo.

GDA 94, Zone 50

DATE	WAYPOINT	EASTING	NORTHING	SPECIES	STATUS	DBH	Rank	NOTES
3/07/2020	610	588990.24	6528876.046	Eucalyptus salmonophloia	live	700	3	2 good hollows
3/07/2020	611	588995.428	6528871.014	Eucalyptus salubris	live	800	3	1 good hollow
3/07/2020	612	589021.378	6528846.961	Eucalyptus salubris	live	500	5	
3/07/2020	613	589039.284	6528827.632	Eucalyptus salubris	live	550	5	
3/07/2020	614	589047.011	6528819.253	Eucalyptus salubris	live	450	5	
3/07/2020	615	589094.8	6528768.744	Eucalyptus salubris	live	550	5	
3/07/2020	616	589108.666	6528721.738	Eucalyptus salubris	dead	450	3	1 vertical spout
3/07/2020	617	589092.14	6528735.512	Eucalyptus salubris	live	500	5	
3/07/2020	618	589053.614	6528779.292	Eucalyptus salubris	live	550	5	
3/07/2020	619	589045.62	6528789.89	Eucalyptus salubris	live	350	5	
3/07/2020	620	589034.795	6528791.867	Eucalyptus salmonophloia	live	500	5	
3/07/2020	621	589033.854	6528793.094	Eucalyptus salubris	live	400	5	
3/07/2020	622	589025.349	6528799.485	Eucalyptus salubris	live	450	5	
3/07/2020	623	588978.748	6528844.331	Eucalyptus salmonophloia	live	650	3	1 vertical spout
3/07/2020	624	588953.371	6528879.795	Eucalyptus salmonophloia	live	1000	3	1 hollow
3/07/2020	625	588944.131	6528878.1	Eucalyptus salmonophloia	live	750	3	1 hollow
3/07/2020	626	588876.029	6529023.112	Eucalyptus salubris	live	1100	5	
3/07/2020	627	588866.953	6529029.507	Eucalyptus salubris	live	450	5	
3/07/2020	628	588868.04	6529045.46	Eucalyptus salmonophloia	live	500	5	
3/07/2020	629	588866.529	6529069.194	Eucalyptus salubris	live	550	5	
3/07/2020	630	588875.991	6529074.545	Eucalyptus salmonophloia	live	800	3	1 hollow, 1 spout
3/07/2020	631	588869.997	6529096.765	Eucalyptus salubris	live	800	4	
3/07/2020	632	588879.326	6529097.683	Eucalyptus salmonophloia	live	450	5	
3/07/2020	633	588870.304	6529177.68	Eucalyptus salubris	live	500	3	hollow broken branch
3/07/2020	634	588874.056	6529216.334	Eucalyptus salmonophloia	live	850	5	
3/07/2020	635	588871.786	6529240.185	Eucalyptus salubris	live	450	5	
3/07/2020	636	588874.4	6529268.096	Eucalyptus salmonophloia	live	350	5	

3/07/2020	637	588878.935	6529275.706	Eucalyptus salubris	live	500	5	
3/07/2020	638	588881.645	6529303.616	Eucalyptus salmonophloia	live	650	5	
3/07/2020	639	588882.819	6529352.267	Eucalyptus salubris	live	350	5	
3/07/2020	640	588874.673	6529434.585	Eucalyptus salmonophloia	live	450	5	
3/07/2020	641	588877.948	6529450.74	Eucalyptus salmonophloia	live	350	5	
3/07/2020	642	588878.164	6529453.731	Eucalyptus salmonophloia	live	400	5	
3/07/2020	643	588870.759	6529466.541	Eucalyptus salmonophloia	live	450	5	
3/07/2020	644	588880.398	6529470.45	Eucalyptus salmonophloia	live	450	5	
3/07/2020	645	588874.33	6529472.608	Eucalyptus salmonophloia	live	550	5	
3/07/2020	646	588882.197	6529503.024	Eucalyptus salmonophloia	live	950	3	3 good spouts
3/07/2020	647	588881.099	6529530.523	Eucalyptus salmonophloia	live	600	5	
3/07/2020	648	588882.201	6529537.164	Eucalyptus salmonophloia	live	450	5	
3/07/2020	649	588874.617	6529540.111	Eucalyptus salmonophloia	live	350	5	
3/07/2020	650	588881.427	6529546.814	Eucalyptus salmonophloia	live	400	5	
3/07/2020	651	588881.251	6529559.674	Eucalyptus salmonophloia	live	500	5	
3/07/2020	652	588884.222	6529562.309	Eucalyptus salmonophloia	live	650	5	
3/07/2020	653	588873.259	6529581.8	Eucalyptus salmonophloia	live	700	5	
3/07/2020	654	588882.731	6529599.566	Eucalyptus salmonophloia	live	800	3	1 vertical spout
3/07/2020	655	588881.84	6529606.668	Eucalyptus salmonophloia	live	750	3	vertical spout
3/07/2020	656	588872.278	6529645.434	Eucalyptus salmonophloia	live	750	3	vertical spout
3/07/2020	657	588883.723	6529660.412	Eucalyptus salmonophloia	live	650	5	
3/07/2020	658	588870.887	6529694.44	Eucalyptus salmonophloia	live	500	5	
3/07/2020	659	588871.397	6529698.537	Eucalyptus salmonophloia	live	350	5	
3/07/2020	660	588874.439	6529698.401	Eucalyptus salmonophloia	live	450	5	
3/07/2020	661	588880.172	6529701.456	Eucalyptus salmonophloia	live	350	5	
3/07/2020	662	588879.297	6529710.441	Eucalyptus salmonophloia	live	400	5	
3/07/2020	663	588883.214	6529723.599	Eucalyptus salmonophloia	live	650	3	vertical spout
3/07/2020	664	588879.48	6529743.14	Eucalyptus salmonophloia	live	700	3	2 vertical spouts
3/07/2020	665	588876.42	6529752.477	Eucalyptus salmonophloia	live	350	5	
3/07/2020	666	588884.438	6529755.734	Eucalyptus salmonophloia	live	350	5	
3/07/2020	667	588885.108	6529756.282	Eucalyptus salmonophloia	live	300	5	

3/07/2020	668	588884.772	6529761.495	Eucalyptus salmonophloia	live	300	5	
3/07/2020	669	588882.302	6529761.849	Eucalyptus salmonophloia	live	400	5	
3/07/2020	670	588882.74	6529768.607	Eucalyptus salmonophloia	live	350	5	
3/07/2020	671	588879.511	6529791.579	Eucalyptus salmonophloia	live	800	5	
3/07/2020	672	588882.187	6529815.499	Eucalyptus salmonophloia	live	600	5	
3/07/2020	673	588885.334	6529816.47	Eucalyptus salmonophloia	live	400	5	
3/07/2020	674	588883.289	6529833.336	Eucalyptus salmonophloia	live	350	5	
3/07/2020	675	588885.993	6529838.079	Eucalyptus salmonophloia	live	600	5	
3/07/2020	676	588886.381	6529838.963	Eucalyptus salmonophloia	live	350	5	
3/07/2020	677	588876.33	6529842.706	Eucalyptus salmonophloia	live	400	5	
3/07/2020	678	588875.505	6529846.371	Eucalyptus salmonophloia	live	450	5	
3/07/2020	679	588879.587	6529867.73	Eucalyptus salmonophloia	live	500	5	
3/07/2020	680	588874.98	6529874.087	Eucalyptus salmonophloia	live	400	5	
3/07/2020	681	588875.188	6529876.191	Eucalyptus salmonophloia	live	300	5	
3/07/2020	682	588870.715	6529875.897	Eucalyptus salmonophloia	live	350	5	
3/07/2020	683	588883.784	6529880.441	Eucalyptus salmonophloia	live	400	5	
3/07/2020	684	588885.232	6529882.868	Eucalyptus salmonophloia	live	650	5	
3/07/2020	685	588872.81	6529920.993	Eucalyptus salmonophloia	live	550	5	
3/07/2020	686	588872.251	6529922.439	Eucalyptus salmonophloia	live	650	5	
3/07/2020	687	588883.444	6529941.188	Eucalyptus salmonophloia	live	800	3	vertical spout
3/07/2020	688	588889.623	6529963.194	Eucalyptus salmonophloia	live	800	5	
3/07/2020	689	588889.676	6529980.596	Eucalyptus salmonophloia	live	800	3	1 hollow
3/07/2020	690	588875.701	6530048.664	Eucalyptus longicornis	dead	900	5	
3/07/2020	691	588870.343	6530101.029	Eucalyptus salmonophloia	live	800	5	
3/07/2020	692	588880.616	6530101.052	Eucalyptus longicornis	live	950	3	hollow trunk
3/07/2020	693	588883.7	6530139.379	Eucalyptus loxophleba	live	900	5	
3/07/2020	694	588881.087	6530156.582	Eucalyptus longicornis	live	850	5	
3/07/2020	695	588881.534	6530164.337	Eucalyptus loxophleba	live	550	5	
3/07/2020	696	588870.285	6530161.44	Eucalyptus salmonophloia	live	800	4	
3/07/2020	697	588871.727	6530163.201	Eucalyptus salmonophloia	live	550	5	
3/07/2020	698	588875.675	6530168.821	Eucalyptus salmonophloia	live	600	3	vertical spout

3/07/2020	699	588889.557	6530224.237	Eucalyptus salmonophloia	live	700	3	hollow trunk
3/07/2020	700	588887.022	6530228.138	Eucalyptus salmonophloia	live	950	3	hollow trunk
3/07/2020	701	588874.928	6530237.774	Eucalyptus salmonophloia	live	500	5	
3/07/2020	702	588887.715	6530276.24	Eucalyptus salmonophloia	live	400	5	
3/07/2020	703	588887.582	6530283.002	Eucalyptus salmonophloia	live	350	5	
3/07/2020	704	588884.947	6530286.239	Eucalyptus salmonophloia	live	550	5	
3/07/2020	705	588889.491	6530294.957	Eucalyptus salmonophloia	live	450	5	
3/07/2020	706	588881.757	6530302.672	Eucalyptus salmonophloia	live	400	5	
3/07/2020	707	588880.238	6530303.017	Eucalyptus salmonophloia	live	400	5	
3/07/2020	708	588874.547	6530304.95	Eucalyptus salmonophloia	live	550	3	vertical spout
3/07/2020	709	588884.636	6530328.031	Eucalyptus salmonophloia	live	750	3	broken hollow trunk
3/07/2020	710	588878.808	6530358.674	Eucalyptus longicornis	dead	650	4	
3/07/2020	711	588890.373	6530354.031	Eucalyptus salmonophloia	live	650	3	vertical spout
3/07/2020	712	588884.573	6530387.888	Eucalyptus salmonophloia	live	400	5	
3/07/2020	713	588881.945	6530392.123	Eucalyptus salmonophloia	live	500	5	
3/07/2020	714	588878.089	6530397.254	Eucalyptus salmonophloia	dead	350	5	
3/07/2020	715	588878.955	6530398.466	Eucalyptus salmonophloia	dead	300	5	
3/07/2020	716	588874.026	6530400.393	Eucalyptus salmonophloia	live	300	5	
3/07/2020	717	588874.935	6530406.703	Eucalyptus salmonophloia	live	350		
3/07/2020	718	588880.131	6530424.949	Eucalyptus salmonophloia	dead	350	5	
3/07/2020	719	588882.416	6530436.346	Eucalyptus salmonophloia	live	350	5	
3/07/2020	720	588877.14	6530464.768	Eucalyptus salmonophloia	live	350	5	
3/07/2020	721	588873.444	6530477.546	Eucalyptus salmonophloia	dead	350	5	
3/07/2020	722	588875.027	6530484.738	Eucalyptus salmonophloia	live	400	5	
3/07/2020	723	588874.52	6530492.28	Eucalyptus salmonophloia	live	350	5	
3/07/2020	724	588888.064	6530507.794	Eucalyptus salmonophloia	live	400	5	
3/07/2020	725	588888.555	6530509.674	Eucalyptus salmonophloia	live	400	5	
3/07/2020	726	588881.024	6530518.938	Eucalyptus salmonophloia	live	450	5	
3/07/2020	727	588892.048	6530528.932	Eucalyptus salmonophloia	live	500	5	
3/07/2020	728	588873.504	6530540.728	Eucalyptus salmonophloia	live	400	5	

3/07/2020	729	588883.357	6530547.184	Eucalyptus salmonophloia	live	800	3	2 vertical spouts
3/07/2020	730	588888.008	6530557.232	Eucalyptus salmonophloia	live	350	5	
3/07/2020	731	588885.052	6530567.566	Eucalyptus salmonophloia	live	850	3	1 hollow plus 2 vertical spouts
3/07/2020	732	588881.835	6530580.784	Eucalyptus salmonophloia	live	800	5	
3/07/2020	733	588891.744	6530616.392	Eucalyptus loxophleba	live	400	5	
3/07/2020	734	588890.63	6530664.398	Eucalyptus salmonophloia	live	900	3	1 vertical spout
3/07/2020	735	588894.055	6530664.48	Eucalyptus salmonophloia	live	600	3	1 vertical spout
3/07/2020	736	588892.944	6530668.036	Eucalyptus salmonophloia	dead	600	3	1 vertical spout
3/07/2020	737	588889.468	6530684.36	Eucalyptus salmonophloia	live	350	5	
3/07/2020	738	588878.91	6530695.756	Eucalyptus salmonophloia	live	700	5	
3/07/2020	739	588880.875	6530703.055	Eucalyptus salmonophloia	live	300	5	
3/07/2020	740	588884.176	6530710.897	Eucalyptus salmonophloia	live	300	5	
3/07/2020	741	588875.069	6530725.052	Eucalyptus salmonophloia	live	350	5	
3/07/2020	742	588876.739	6530742.551	Eucalyptus salmonophloia	live	350	5	
3/07/2020	743	588875.861	6530751.205	Eucalyptus salmonophloia	live	350	5	
3/07/2020	744	588876.155	6530752.2	Eucalyptus salmonophloia	live	350	5	
3/07/2020	745	588880.063	6530764.36	Eucalyptus salmonophloia	live	400	5	
3/07/2020	746	588882.711	6530773.648	Eucalyptus salmonophloia	live	350	5	
3/07/2020	747	588878.54	6530786.653	Eucalyptus salmonophloia	live	350	5	
3/07/2020	748	588879.396	6530786.535	Eucalyptus longicornis	live	350	5	
3/07/2020	749	588880.84	6530788.628	Eucalyptus longicornis	live	300	5	
3/07/2020	750	588876.541	6530808.839	Eucalyptus salmonophloia	live	500	5	
3/07/2020	751	588881.898	6530812.451	Eucalyptus longicornis	live	350	5	
3/07/2020	752	588889.029	6530812.058	Eucalyptus longicornis	live	350	5	
3/07/2020	753	588879.981	6530821.889	Eucalyptus longicornis	live	400	5	
3/07/2020	754	588879.728	6530825.771	Eucalyptus longicornis	live	400	5	
3/07/2020	755	588877.896	6530833.989	Eucalyptus salmonophloia	live	350	5	
3/07/2020	756	588881.41	6530833.405	Eucalyptus longicornis	live	400	5	
3/07/2020	757	588882.725	6530842.594	Eucalyptus longicornis	live	350	5	
3/07/2020	758	588880.297	6530847.936	Eucalyptus salmonophloia	live	350	5	

3/07/2020	759	588880.5	6530849.375	Eucalyptus salmonophloia	live	500	3	hole in trunk
3/07/2020	760	588891.673	6530865.796	Eucalyptus salmonophloia	live	700	5	
3/07/2020	761	588891.645	6530873.666	Eucalyptus loxophleba	live	300	5	
3/07/2020	762	588892.698	6530874.433	Eucalyptus loxophleba	live	300	5	
3/07/2020	763	588886.936	6530879.249	Eucalyptus salmonophloia	live	350	5	
3/07/2020	764	588886.775	6530882.686	Eucalyptus salmonophloia	live	350	5	
3/07/2020	765	588876.179	6530878.342	Eucalyptus salmonophloia	live	550	3	2 vertical spouts
3/07/2020	766	588875.046	6530879.35	Eucalyptus salmonophloia	live	400	5	
3/07/2020	767	588874.674	6530880.35	Eucalyptus salmonophloia	live	400	5	
3/07/2020	768	588875.491	6530886.883	Eucalyptus salmonophloia	live	350	5	
3/07/2020	769	588876.821	6530886.65	Eucalyptus salmonophloia	live	500	5	
3/07/2020	770	588876.558	6530889.313	Eucalyptus salmonophloia	live	550	4	
3/07/2020	771	588877.848	6530895.62	Eucalyptus salmonophloia	live	600	5	
3/07/2020	772	588875.132	6530900.631	Eucalyptus salmonophloia	live	450	5	
3/07/2020	773	588876.577	6530902.725	Eucalyptus salmonophloia	live	700	5	
3/07/2020	774	588877.716	6530902.494	Eucalyptus salmonophloia	live	600	4	
3/07/2020	775	588884.358	6530900.553	Eucalyptus salmonophloia	live	350	5	
3/07/2020	776	588885.495	6530899.989	Eucalyptus salmonophloia	live	350	5	
3/07/2020	777	588886.768	6530892.995	Eucalyptus salmonophloia	dead	450	5	
3/07/2020	778	588894.106	6530905.791	Eucalyptus salmonophloia	dead	350	5	
3/07/2020	779	588891.581	6530922.107	Eucalyptus loxophleba	live	450	5	
3/07/2020	780	588891.824	6530928.423	Eucalyptus loxophleba	live	500	4	
3/07/2020	781	588890.922	6530978.976	Eucalyptus salmonophloia	live	1010	3	many spouts
3/07/2020	782	588894.239	6531000.009	Eucalyptus loxophleba	live	500	5	
3/07/2020	783	588890.841	6531003.031	Eucalyptus salmonophloia	dead	450	5	
3/07/2020	784	588892.101	6531005.791	Eucalyptus salmonophloia	live	450	5	
3/07/2020	785	588892.672	6531005.897	Eucalyptus salmonophloia	live	350	5	
3/07/2020	786	588886.312	6531007.392	Eucalyptus salmonophloia	live	400	5	
3/07/2020	787	588885.13	6531013.831	Eucalyptus salmonophloia	live	450	5	
3/07/2020	788	588886.186	6531015.041	Eucalyptus salmonophloia	live	450	5	
3/07/2020	789	588881.295	6531021.512	Eucalyptus salmonophloia	dead	500	5	

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3/07/2020	790	588879.707	6531024.962	Eucalyptus salmonophloia	live	350	5	
3/07/2020	791	588881.763	6531031.928	Eucalyptus salubris	live	800	4	
3/07/2020	792	588892.919	6531068.634	Eucalyptus salmonophloia	dead	450	3	huge vertical trunk
3/07/2020	793	588886.575	6531072.013	Eucalyptus salmonophloia	live	400	5	
3/07/2020	794	588899.414	6531071.682	Eucalyptus salmonophloia	live	350	5	
3/07/2020	795	588878.883	6531096.021	Eucalyptus salmonophloia	live	550	5	
3/07/2020	796	588892.926	6531102.996	Eucalyptus salmonophloia	live	600	5	
3/07/2020	797	588884.305	6531174.454	Eucalyptus salmonophloia	live	650	5	
3/07/2020	798	588880.722	6531178.253	Eucalyptus salmonophloia	live	600	4	
3/07/2020	799	588878.334	6531188.249	Eucalyptus salmonophloia	live	550	5	
3/07/2020	800	588894.237	6531190.221	Eucalyptus salmonophloia	live	350	5	
3/07/2020	801	588897.703	6531183.873	Eucalyptus salmonophloia	live	350	5	
3/07/2020	802	588895.495	6531181.564	Eucalyptus salmonophloia	live	350	5	
3/07/2020	803	588889.457	6531198.685	Eucalyptus loxophleba	dead	650	3	2 spouts
3/07/2020	804	588889.204	6531202.456	Eucalyptus loxophleba	live	400	5	
3/07/2020	805	588881.601	6531214.603	Eucalyptus loxophleba	live	500	5	
3/07/2020	806	588879.043	6531227.039	Eucalyptus loxophleba	live	500	5	
3/07/2020	807	588879.847	6531232.021	Eucalyptus loxophleba	live	450	5	
3/07/2020	808	588887.419	6531227.523	Eucalyptus loxophleba	live	450	5	
3/07/2020	809	588895.516	6531240.09	Eucalyptus salmonophloia	live	550	5	
3/07/2020	810	588892.887	6531244.103	Eucalyptus loxophleba	live	350	5	
3/07/2020	811	588893.448	6531265.381	Eucalyptus loxophleba	live	300	5	
3/07/2020	812	588893.267	6531266.491	Eucalyptus longicornis	live	600	5	
3/07/2020	813	588894.358	6531294.193	Eucalyptus longicornis	live	900	3	hollow trunk
3/07/2020	814	588892.131	6531311.947	Eucalyptus longicornis	live	550	3	vertical spout
3/07/2020	815	588900.149	6531315.205	Eucalyptus longicornis	live	500	5	
3/07/2020	816	588900.692	6531311.875	Eucalyptus longicornis	live	550	3	vertical spout
3/07/2020	817	588883.959	6531357.907	Eucalyptus longicornis	live	400	5	
3/07/2020	818	588900.777	6531366.743	Eucalyptus longicornis	live	400	5	
3/07/2020	819	588897.473	6531380.959	Eucalyptus longicornis	live	300	5	

3/07/2020	820	588886.939	6531384.041	Eucalyptus longicornis	live	350	5	
3/07/2020	821	588886.44	6531392.47	Eucalyptus longicornis	live	350	5	
3/07/2020	822	588887.699	6531395.119	Eucalyptus longicornis	dead	350	5	
3/07/2020	823	588897.364	6531401.799	Eucalyptus longicornis	live	300	5	
3/07/2020	824	588895.568	6531403.144	Eucalyptus longicornis	live	600	5	
3/07/2020	825	588899.974	6531406.654	Eucalyptus longicornis	live	500	5	
3/07/2020	826	588894.709	6531436.405	Eucalyptus longicornis	live	350	5	
3/07/2020	827	588894.725	6531438.29	Eucalyptus longicornis	live	350	5	
3/07/2020	828	588895.214	6531439.837	Eucalyptus longicornis	live	400	5	
3/07/2020	829	588899.323	6531442.019	Eucalyptus longicornis	live	350	5	
3/07/2020	830	588894.733	6531461.678	Eucalyptus salubris	live	650	3	3 hollows
3/07/2020	831	588898.105	6531466.637	Eucalyptus longicornis	live	300	5	
3/07/2020	832	588896.494	6531489.818	Eucalyptus longicornis	live	1200	3	3 hollows
3/07/2020	833	588908.507	6530260.434	Eucalyptus salmonophloia	live	700	3	3 vertical spouts
3/07/2020	834	588920.711	6530252.571	Eucalyptus salmonophloia	live	700	3	3 hollows
3/07/2020	835	588917.825	6530237.52	Eucalyptus salmonophloia	live	600	3	3 hollows
3/07/2020	836	588903.89	6530243.181	Eucalyptus salmonophloia	live	700	5	
3/07/2020	837	588901.837	6530225.463	Eucalyptus salmonophloia	live	650	5	
3/07/2020	838	588903.051	6530200.291	Eucalyptus salmonophloia	live	750	3	hollow in trunk
3/07/2020	839	588911.137	6530189.248	Eucalyptus loxophleba	live	700	5	
3/07/2020	840	588896.41	6530112.779	Eucalyptus loxophleba	live	1050	5	
3/07/2020	841	588903.722	6530077.689	Eucalyptus longicornis	live	1100	3	vertical spout
3/07/2020	842	588907.454	6530069.122	Eucalyptus salmonophloia	live	350	5	
3/07/2020	843	588907.244	6530066.796	Eucalyptus longicornis	live	350	5	
3/07/2020	844	588907.702	6530064.797	Eucalyptus longicornis	live	350	5	
3/07/2020	845	588909.414	6530064.783	Eucalyptus salmonophloia	live	350	5	
3/07/2020	846	588907.148	6530055.491	Eucalyptus salmonophloia	live	500	5	
3/07/2020	847	588904.291	6530055.072	Eucalyptus salmonophloia	dead	350	5	
3/07/2020	848	588902.749	6530052.757	Eucalyptus salmonophloia	live	450	5	
3/07/2020	849	588903.595	6530051.531	Eucalyptus longicornis	live	350	5	
3/07/2020	850	588903.776	6530050.531	Eucalyptus salmonophloia	live	350	5	

3/07/2020	851	588902.719	6530049.21	Eucalyptus salmonophloia	live	450	5	
3/07/2020	852	588915.91	6530034.466	Eucalyptus salmonophloia	live	800	5	
3/07/2020	853	588908.153	6530028.214	Eucalyptus salmonophloia	live	700	5	
3/07/2020	854	588905.645	6530001.743	Eucalyptus salmonophloia	live	500	5	
3/07/2020	855	588904.106	6529999.761	Eucalyptus salmonophloia	live	300	5	
3/07/2020	856	588913.844	6529992.806	Eucalyptus salmonophloia	almost dead	800	5	
3/07/2020	857	588900.83	6529983.605	Eucalyptus salmonophloia	live	300	5	
3/07/2020	858	588897.408	6529961.465	Eucalyptus salmonophloia	live	450	5	
3/07/2020	859	588904.874	6529955.749	Eucalyptus salmonophloia	live	300	5	
3/07/2020	860	588915.404	6529941.249	Eucalyptus salubris	live	700	5	
3/07/2020	861	588907.755	6529936.659	Eucalyptus salmonophloia	live	300	5	
3/07/2020	862	588905.037	6529930.142	Eucalyptus salmonophloia	live	650	3	vertical spout
3/07/2020	863	588903.21	6529916.634	Eucalyptus salmonophloia	live	550	5	
3/07/2020	864	588917.375	6529915.738	Eucalyptus salmonophloia	live	350	5	
3/07/2020	865	588911.156	6529900.272	Eucalyptus salmonophloia	live	300	5	
3/07/2020	866	588915.822	6529889.702	Eucalyptus salmonophloia	live	450	5	
3/07/2020	867	588917.341	6529889.357	Eucalyptus salubris	live	400	5	
3/07/2020	868	588915.444	6529878.842	Eucalyptus salmonophloia	live	450	5	
3/07/2020	869	588919.094	6529860.633	Eucalyptus salmonophloia	live	800	5	
3/07/2020	870	588907.407	6529850.867	Eucalyptus salmonophloia	live	750	3	vertical spout
3/07/2020	871	588903.378	6529835.604	Eucalyptus salmonophloia	live	400	5	
3/07/2020	872	588914.833	6529818.104	Eucalyptus salmonophloia	mostly dead	500	5	
3/07/2020	873	588915.953	6529804.349	Eucalyptus salmonophloia	dead	900	5	
3/07/2020	874	588899.415	6529794.514	Eucalyptus salmonophloia	live	300	5	
3/07/2020	875	588906.173	6529772.731	Eucalyptus salmonophloia	live	700	5	
3/07/2020	876	588899.807	6529751.059	Eucalyptus salmonophloia	live	450	5	
3/07/2020	877	588896.139	6529733.576	Eucalyptus salmonophloia	live	500	3	split in trunk
3/07/2020	878	588898.729	6529724.908	Eucalyptus salmonophloia	live	400	5	
3/07/2020	879	588903.762	6529712.783	Eucalyptus salmonophloia	live	300	5	
3/07/2020	880	588902.483	6529707.806	Eucalyptus salmonophloia	live	300	5	
3/07/2020	881	588901.748	6529699.61	Eucalyptus salmonophloia	live	600	3	2 hollows

3/07/2020	882	588915.623	6529698.272	Eucalyptus loxophleba	live	850	5	
3/07/2020	883	588906.79	6529677.398	Eucalyptus salmonophloia	live	600	5	
3/07/2020	884	588903.563	6529655.81	Eucalyptus salmonophloia	live	550	5	
3/07/2020	885	588901.466	6529644.078	Eucalyptus salmonophloia	live	450	5	
3/07/2020	886	588913.099	6529636.331	Eucalyptus salmonophloia	live	400	5	
3/07/2020	887	588903.488	6529624.552	Eucalyptus salmonophloia	live	500	5	
3/07/2020	888	588899.333	6529616.939	Eucalyptus salmonophloia	live	300	5	
3/07/2020	889	588900.41	6529609.281	Eucalyptus salmonophloia	live	300	5	
3/07/2020	890	588909.095	6529612.755	Eucalyptus salmonophloia	live	500	5	
3/07/2020	891	588910.504	6529610.747	Eucalyptus salmonophloia	live	650	3	vertical spout
3/07/2020	892	588913.3	6529603.962	Eucalyptus salmonophloia	live	600	5	
3/07/2020	893	588913.97	6529593.204	Eucalyptus salmonophloia	live	350	5	
3/07/2020	894	588913.475	6529590.992	Eucalyptus salmonophloia	live	500	5	
3/07/2020	895	588905.733	6529564.122	Eucalyptus salmonophloia	live	500	5	
3/07/2020	896	588901.271	6529553.851	Eucalyptus salmonophloia	live	400	5	
3/07/2020	897	588898.778	6529551.544	Eucalyptus salmonophloia	live	350	5	
3/07/2020	898	588910.473	6529539.917	Eucalyptus salmonophloia	live	500	5	
3/07/2020	899	588912.019	6529531.48	Eucalyptus salmonophloia	live	350	5	
3/07/2020	900	588906.78	6529519.442	Eucalyptus salmonophloia	live	900	3	3 hollows
3/07/2020	901	588902.178	6529503.852	Eucalyptus salmonophloia	live	300	5	
3/07/2020	902	588915.135	6529506.513	Eucalyptus salmonophloia	live	400	3	2 vertical spouts
3/07/2020	903	588912.167	6529493.015	Eucalyptus salmonophloia	live	550	3	vertical spout
3/07/2020	904	588903.354	6529485.552	Eucalyptus salubris	live	500	4	
3/07/2020	905	588902.018	6529473.814	Eucalyptus salmonophloia	live	400	5	
3/07/2020	906	588902.802	6529465.383	Eucalyptus salmonophloia	dead	350	5	
3/07/2020	907	588902.526	6529455.298	Eucalyptus salmonophloia	live	350	5	
3/07/2020	908	588903.032	6529447.645	Eucalyptus salmonophloia	live	300	5	
3/07/2020	909	588903.471	6529443.319	Eucalyptus salmonophloia	live	350	5	
3/07/2020	910	588897.433	6529449.134	Eucalyptus salmonophloia	live	400	5	
3/07/2020	911	588896.528	6529443.378	Eucalyptus salmonophloia	live	400	5	
3/07/2020	912	588911.821	6529429.835	Eucalyptus salmonophloia	live	350	5	

3/07/2020	913	588913.798	6529427.491	Eucalyptus salmonophloia	live	350	5	
3/07/2020	914	588904.987	6529420.25	Eucalyptus salmonophloia	live	550	5	
3/07/2020	915	588898.051	6529421.084	Eucalyptus salmonophloia	live	350	5	
3/07/2020	916	588897.513	6529413.773	Eucalyptus salmonophloia	live	400	5	
3/07/2020	917	588903.747	6529397.426	Eucalyptus salmonophloia	live	800	3	1 vertical spout and 1 hollow
3/07/2020	918	588903.949	6529387.67	Eucalyptus salubris	live	400	3	vertical spout
3/07/2020	919	588904.754	6529381.677	Eucalyptus salubris	live	300	4	
3/07/2020	920	588903.402	6529379.25	Eucalyptus salmonophloia	live	500	3	vertical spout
3/07/2020	921	588903.981	6529369.047	Eucalyptus salmonophloia	live	500	5	
3/07/2020	922	588897.699	6529346.045	Eucalyptus salubris	live	300	5	
3/07/2020	923	588894.788	6529339.308	Eucalyptus salmonophloia	live	350	5	
3/07/2020	924	588896.192	6529336.635	Eucalyptus salmonophloia	live	400	5	
3/07/2020	925	588898.324	6529296.491	Eucalyptus salubris	live	300	5	
3/07/2020	926	588898.197	6529281.528	Eucalyptus salmonophloia	live	300	5	
3/07/2020	927	588896.255	6529254.498	Eucalyptus salubris	live	550	3	vertical spout
3/07/2020	928	588890.043	6529206.111	Eucalyptus salmonophloia	live	450	5	
3/07/2020	929	588899.335	6529157.925	Eucalyptus salmonophloia	live	400	5	
3/07/2020	930	588896.919	6529153.511	Eucalyptus salubris	live	600	3	vertical spout
3/07/2020	931	588901.425	6529135.294	Eucalyptus salmonophloia	live	600	3	hollow and vertical spout, nesting pair of Australian Ringnecks
3/07/2020	932	588896.998	6529129.124	Eucalyptus salubris	live	350	3	vertical spout
3/07/2020	933	588895.633	6529091.67	Eucalyptus salmonophloia	live	1000	3	vertical spout
3/07/2020	934	588895.002	6529039.799	Eucalyptus salmonophloia	live	500	5	
3/07/2020	935	588909.866	6528998.106	Eucalyptus salmonophloia	live	850	5	
3/07/2020	936	588912.227	6528996.201	Eucalyptus salmonophloia	live	600	5	
3/07/2020	937	588903.184	6528972.889	Eucalyptus salmonophloia	live	350	5	
3/07/2020	938	588907.971	6528965.422	Eucalyptus capillosa	live	500	4	
3/07/2020	939	588916.724	6528954.596	Eucalyptus capillosa	live	600	3	vertical spout

3/07/2020	940	588944.118	6528932.526	Eucalyptus salmonophloia	live	400	5	
3/07/2020	941	588944.118	6528932.526	Eucalyptus salmonophloia	live	450	5	
3/07/2020	285	588946.186	6528940.822	Eucalyptus capillosa	Live	450	4	
3/07/2020	286	588977.439	6528914.064	Eucalyptus salmonophloia	Live	300	5	
3/07/2020	287	589033.008	6528861.272	Eucalyptus salubris	Live	350	5	
3/07/2020	288	589055.545	6528827.383	Eucalyptus salmonophloia	Live	500	3	
3/07/2020	289	589122.674	6528769.615	Eucalyptus salmonophloia	Live	450	4	
3/07/2020	290	589142.271	6528692.077	Eucalyptus salmonophloia	Live	350	5	
3/07/2020	291	589129.343	6528715.132	Eucalyptus salubris	Live	400	5	
3/07/2020	292	589120.01	6528724.855	Eucalyptus salubris	Live	500	5	
3/07/2020	293	589096.947	6528741.568	Eucalyptus salubris	Live	300	5	
3/07/2020	294	589076.718	6528767.346	Eucalyptus salmonophloia	Live	500	4	
3/07/2020	295	589064.565	6528780.862	Eucalyptus salmonophloia	Live	500	4	
3/07/2020	296	589036.85	6528809.807	Eucalyptus salubris	Live	350	5	
3/07/2020	297	589027.12	6528817.538	Eucalyptus salubris	Live	400	5	
3/07/2020	298	588980.599	6528860.72	Eucalyptus salubris	Live	700	3	
3/07/2020	299	588958.128	6528891.283	Eucalyptus salmonophloia	Live	450	3	
3/07/2020	300	588943.532	6528897.171	Eucalyptus salubris	Live	500	5	
3/07/2020	301	588917.344	6528926.768	Eucalyptus salmonophloia	Live	750	5	
3/07/2020	302	588897.711	6531532.372	Eucalyptus longicornis	live	450	5	
3/07/2020	303	588902.718	6531539.424	Eucalyptus longicornis	live	350	5	
3/07/2020	304	588896.207	6531568.078	Eucalyptus longicornis	live	300	5	
3/07/2020	305	588900.068	6531608.282	Eucalyptus salubris	live	700	3	
3/07/2020	306	588889.753	6531625.883	Eucalyptus longicornis	dead	550	5	
3/07/2020	307	588900.456	6531665.253	Eucalyptus longicornis	live	450	5	
3/07/2020	308	588895.812	6531667.288	Eucalyptus longicornis	live	400	5	
3/07/2020	309	588894.403	6531669.406	Eucalyptus longicornis	live	350	5	
3/07/2020	310	588890.898	6531671.209	Eucalyptus longicornis	live	500	4	
3/07/2020	311	588898.059	6531674.252	Eucalyptus longicornis	live	750	5	
3/07/2020	312	588899.07	6531714.924	Eucalyptus longicornis	live	350	5	
3/07/2020	313	588885.271	6531714.376	Eucalyptus longicornis	live	400	5	

3/07/2020	314	588885.681	6531717.809	Eucalyptus longicornis	live	450	5	
3/07/2020	315	588898.252	6531809.15	Eucalyptus longicornis	live	400	5	
3/07/2020	316	588888.032	6531882.728	Eucalyptus salmonophloia	live	700	5	
3/07/2020	317	588885.81	6531923.648	Eucalyptus salmonophloia	live	400	4	
3/07/2020	318	588884.683	6531925.321	Eucalyptus salmonophloia	live	350	5	
3/07/2020	319	588884.024	6531926.213	Eucalyptus salmonophloia	live	350	5	
3/07/2020	320	588885.125	6531932.633	Eucalyptus salmonophloia	live	500	5	
3/07/2020	321	588885.327	6531967.658	Eucalyptus salmonophloia	live	400	5	
3/07/2020	322	588886.142	6531973.97	Eucalyptus longicornis	live	450	5	
3/07/2020	323	588892.71	6531985.664	Eucalyptus salubris	live	400	4	
3/07/2020	324	588900.994	6532008.871	Eucalyptus salmonophloia	live	600	3	
3/07/2020	325	588890.192	6532025.257	Eucalyptus salmonophloia	live	500	5	
3/07/2020	326	588888.092	6532046.89	Eucalyptus salmonophloia	live	400	5	
3/07/2020	327	588907.993	6532060.133	Eucalyptus salmonophloia	live	550	4	
3/07/2020	328	588905.605	6532081.436	Eucalyptus salmonophloia	live	700	3	
3/07/2020	329	588888.524	6532108.96	Eucalyptus salubris	live	450	4	
3/07/2020	330	588903.644	6532130.668	Eucalyptus salubris	live	500	4	
3/07/2020	331	588899.154	6532139.685	Eucalyptus salmonophloia	live	650	3	
3/07/2020	332	588897.123	6532169.409	Eucalyptus salubris	live	300	5	
3/07/2020	333	588890.051	6532187.98	Eucalyptus loxophleba	live	400	5	
3/07/2020	334	588903.584	6532213.249	Eucalyptus salmonophloia	live	600	3	
3/07/2020	335	588905.366	6532232.632	Eucalyptus salmonophloia	live	700	3	
3/07/2020	336	588910.595	6532254.645	Eucalyptus salmonophloia	live	800	3	
3/07/2020	337	588906.286	6532419.621	Eucalyptus salubris	live	400	5	
3/07/2020	338	588904.276	6532474.174	Eucalyptus salmonophloia	live	550	3	
3/07/2020	339	588899.088	6532501.929	Eucalyptus loxophleba	live	500	5	
3/07/2020	340	588906.306	6532601.297	Eucalyptus salubris	live	350	5	
3/07/2020	341	588909.293	6532639.402	Eucalyptus salubris	live	550	5	
3/07/2020	342	588906.969	6532679.437	Eucalyptus salubris	live	650	5	
3/07/2020	343	588907.571	6532683.201	Eucalyptus salubris	live	450	5	
3/07/2020	344	588908.742	6532697.823	Eucalyptus salubris	live	400	5	

3/07/2020	345	588911.803	6532699.792	Eucalyptus salubris	dead	400	4	
3/07/2020	346	588911.407	6532709.106	Eucalyptus salmonophloia	dead	450	5	
3/07/2020	347	588909.59	6532719.319	Eucalyptus salmonophloia	live	550	3	
3/07/2020	348	588912.669	6532723.284	Eucalyptus salubris	live	400	5	
3/07/2020	349	588911.688	6532731.051	Eucalyptus salubris	live	450	5	
3/07/2020	350	588908.835	6532731.186	Eucalyptus salubris	live	450	5	
3/07/2020	351	588909.304	6532741.602	Eucalyptus salubris	live	600	5	
3/07/2020	352	588907.627	6532757.024	Eucalyptus salubris	live	350	5	
3/07/2020	353	588904.354	6532763.813	Eucalyptus salubris	dead	300	5	
3/07/2020	354	588906.76	6532800.593	Eucalyptus salmonophloia	live	450	5	
3/07/2020	355	588913.091	6532806.747	Eucalyptus salmonophloia	live	300	5	
3/07/2020	356	588906.914	6532807.575	Eucalyptus salmonophloia	live	300	5	
3/07/2020	357	588900.506	6532814.835	Eucalyptus salmonophloia	live	350	5	
3/07/2020	358	588892.888	6532836.514	Eucalyptus salmonophloia	live	500	5	
3/07/2020	359	588896.832	6532852.775	Eucalyptus salmonophloia	live	300	5	
3/07/2020	360	588897.749	6532859.972	Eucalyptus salmonophloia	live	650	5	
3/07/2020	361	588905.492	6532864.23	Eucalyptus salubris	live	500	5	
3/07/2020	362	588894.163	6532941.918	Eucalyptus loxophleba	live	350	5	
3/07/2020	363	588931.941	6532965.096	Eucalyptus salmonophloia	live	400	5	
3/07/2020	364	588916.325	6532952.371	Eucalyptus salmonophloia	live	300	5	
3/07/2020	365	588923.433	6532926.705	Eucalyptus loxophleba	live	460	5	
3/07/2020	366	588932.474	6532882.179	Eucalyptus salubris	live	400	5	
3/07/2020	367	588919.889	6532778.091	Eucalyptus salubris	live	650	3	
3/07/2020	368	588918.689	6532760.033	Eucalyptus salmonophloia	live	350	5	
3/07/2020	369	588930.95	6532758.599	Eucalyptus salmonophloia	live	300	4	
3/07/2020	370	588933.777	6532755.361	Eucalyptus salmonophloia	live	500	5	
3/07/2020	371	588924.896	6532740.361	Eucalyptus salubris	live	600	5	
3/07/2020	372	588922.4	6532726.416	Eucalyptus salubris	live	550	4	bees
3/07/2020	373	588932.878	6532660.706	Eucalyptus salmonophloia	live	300	5	
3/07/2020	374	588938.578	6532289.768	Eucalyptus salubris	live	500	4	
3/07/2020	375	588924.963	6532288.553	Eucalyptus salubris	live	400	5	

3/07/2020	376	588924.146	6532281.909	Eucalyptus salubris	live	400	4	
3/07/2020	377	588918.811	6532269.872	Eucalyptus salubris	live	400	3	
3/07/2020	378	588919.594	6532171.546	Eucalyptus salubris	live	400	3	
3/07/2020	379	588912.127	6532154.871	Eucalyptus salubris	live	350	4	
3/07/2020	380	588945.008	6532083.429	Eucalyptus salubris	live	300	5	
3/07/2020	381	588936.136	6531990.837	Eucalyptus salmonophloia	live	750	5	
3/07/2020	382	588934.042	6531979.549	Eucalyptus salmonophloia	live	350	5	
3/07/2020	383	588929.548	6531954.425	Eucalyptus salubris	live	500	4	
3/07/2020	384	588919.719	6531950.851	Eucalyptus loxophleba	live	350	5	
3/07/2020	385	588928.799	6531944.677	Eucalyptus loxophleba	live	450	4	
3/07/2020	386	588929.843	6531944.336	Eucalyptus loxophleba	live	500	5	
3/07/2020	387	588932.403	6531932.121	Eucalyptus loxophleba	live	350	5	
3/07/2020	388	588939.715	6531896.921	Eucalyptus salmonophloia	live	400	5	
3/07/2020	389	588939.904	6531896.808	Eucalyptus salmonophloia	live	600	5	
3/07/2020	390	588917.793	6531813.64	Eucalyptus loxophleba	live	350	5	
3/07/2020	391	588922.167	6531802.185	Eucalyptus loxophleba	live	350	5	
3/07/2020	392	588928.228	6531731.747	Eucalyptus loxophleba	live	500	5	
3/07/2020	393	588926.997	6531732.422	Eucalyptus loxophleba	live	350	4	
3/07/2020	394	588910.9	6531707.619	Eucalyptus loxophleba	live	550	5	
3/07/2020	395	588911.181	6531695.867	Eucalyptus loxophleba	live	300	5	
3/07/2020	396	588910.367	6531656.08	Eucalyptus loxophleba	live	600	3	
3/07/2020	397	588920.059	6531643.472	Eucalyptus salubris	live	400	5	
3/07/2020	398	588927.519	6531614.589	Eucalyptus loxophleba	live	450	3	
3/07/2020	399	588908.798	6531594.463	Eucalyptus loxophleba	live	400	3	
3/07/2020	400	588904.98	6531548.162	Eucalyptus loxophleba	live	350	5	
3/07/2020	401	588918.355	6531521.223	Eucalyptus loxophleba	live	500	3	
3/07/2020	402	588932.183	6531514.012	Eucalyptus loxophleba	dead	300	5	
3/07/2020	403	588918.053	6531496.84	Eucalyptus loxophleba	live	450	5	
3/07/2020	404	588931.383	6531486.972	Eucalyptus loxophleba	live	400	5	
3/07/2020	405	588915.867	6531463.494	Eucalyptus loxophleba	live	450	5	
3/07/2020	406	588909.781	6531430.07	Eucalyptus salubris	live	650	3	

3/07/2020	407	588911.653	6531426.507	Eucalyptus salubris	live	400	5	
3/07/2020	408	588912.022	6531413.978	Eucalyptus loxophleba	live	450	5	White "X" on tree
3/07/2020	409	588917.116	6531408.836	Eucalyptus loxophleba	live	350	5	
3/07/2020	410	588929.188	6531407.736	Eucalyptus loxophleba	live	400	3	
3/07/2020	411	588927.135	6531300.344	Eucalyptus loxophleba	live	400	5	
3/07/2020	412	588920.958	6531289.977	Eucalyptus loxophleba	live	450	5	
3/07/2020	413	588930.996	6531273.376	Eucalyptus loxophleba	live	500	5	
3/07/2020	414	588931.367	6531272.264	Eucalyptus loxophleba	live	350	5	
3/07/2020	415	588928.594	6531270.514	Eucalyptus loxophleba	live	350	5	
3/07/2020	416	588928.274	6531244.024	Eucalyptus loxophleba	live	400	5	
3/07/2020	417	588929.319	6531232.709	Eucalyptus loxophleba	live	500	5	
3/07/2020	418	588928.91	6531229.387	Eucalyptus loxophleba	live	500	5	
3/07/2020	419	588927.946	6531216.648	Eucalyptus loxophleba	live	300	5	
3/07/2020	420	588929.283	6531183.605	Eucalyptus salmonophloia	live	460	5	
3/07/2020	421	588927.622	6531167.325	Eucalyptus salmonophloia	live	550	5	
3/07/2020	422	588928.182	6531143.599	Eucalyptus salmonophloia	live	450	5	
3/07/2020	423	588932.762	6531145.223	Eucalyptus salmonophloia	live	650	5	
3/07/2020	424	588932.552	6531142.897	Eucalyptus salmonophloia	live	500	5	
3/07/2020	425	588929.214	6531130.732	Eucalyptus salmonophloia	live	300	5	
3/07/2020	426	588927.792	6531064.015	Eucalyptus salmonophloia	dead	600	5	
3/07/2020	427	588911.655	6531045.751	Eucalyptus salmonophloia	live	350	5	
3/07/2020	428	588930.08	6531030.963	Eucalyptus salmonophloia	live	450	5	
3/07/2020	429	588911.835	6530977.247	Eucalyptus loxophleba	live	450	5	
3/07/2020	430	588928.485	6530966.353	Eucalyptus salmonophloia	live	650	5	
3/07/2020	431	588909.322	6530950.222	Eucalyptus loxophleba	live	550	3	
3/07/2020	432	588925.02	6530916.835	Eucalyptus loxophleba	live	550	5	
3/07/2020	433	588914.602	6530899.853	Eucalyptus salmonophloia	live	400	5	
3/07/2020	434	588911.826	6530897.77	Eucalyptus salmonophloia	dead	450	3	
3/07/2020	435	588916.151	6530891.748	Eucalyptus salmonophloia	dead	500	3	
3/07/2020	436	588928.702	6530891.087	Eucalyptus salmonophloia	live	550	5	
3/07/2020	437	588907.252	6530863.225	Eucalyptus salubris	live	350	3	

3/07/2020	438	588923.743	6530833.6	Eucalyptus salmonophloia	live	300	5	
3/07/2020	439	588926.409	6530811.519	Eucalyptus salmonophloia	live	350	5	
3/07/2020	440	588927.479	6530769.499	Eucalyptus loxophleba	live	350	5	
3/07/2020	441	588929.408	6530761.391	Eucalyptus salmonophloia	live	300	5	
3/07/2020	442	588925.531	6530753	Eucalyptus salmonophloia	live	350	5	
3/07/2020	443	588909.803	6530749.143	Eucalyptus loxophleba	live	450	4	
3/07/2020	444	588926.364	6530716.635	Eucalyptus salubris	live	400	5	
3/07/2020	445	588930.363	6530705.849	Eucalyptus salmonophloia	live	350	5	
3/07/2020	446	588916.666	6530694.77	Eucalyptus salmonophloia	live	300	5	
3/07/2020	447	588912.527	6530689.041	Eucalyptus salmonophloia	live	350	5	
3/07/2020	448	588909.633	6530617.016	Eucalyptus salmonophloia	live	450	3	
3/07/2020	449	588914.453	6530613.317	Eucalyptus salmonophloia	live	500	3	
3/07/2020	450	588919.371	6530531.582	Eucalyptus salubris	live	450	5	
3/07/2020	451	588906.539	6530387.148	Eucalyptus salmonophloia	live	500	3	
3/07/2020	452	588921.489	6530344.123	Eucalyptus loxophleba	live	450	5	
3/07/2020	453	588925.201	6530310.838	Eucalyptus salmonophloia	live	750	5	
3/07/2020	454	588912.677	6530303.407	Eucalyptus salmonophloia	live	700	3	
3/07/2020	457	589002.057	6528912.303	Eucalyptus loxophleba	live	550	3	