

## APPENDIX A SATELLITE IMAGERY OF FIRE EVENTS SINCE 1990

**SATELLITE IMAGERY OF FIRE EVENTS WITHIN THE SOLAR PRECINCT FOOTPRINT (DATA REVIEWED FROM 1990 ONWARDS)** (Note: years with no fire events are not shown / provided)



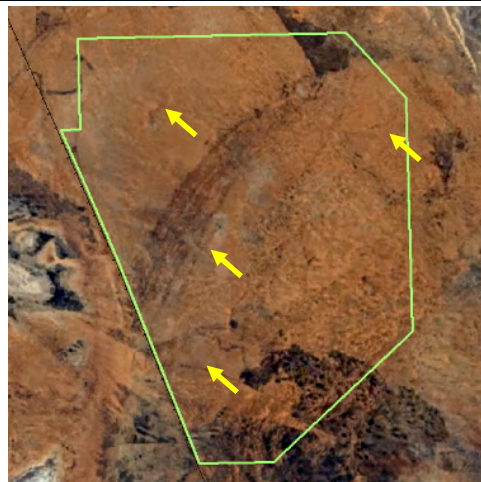
1994 – fire within south-eastern part of footprint



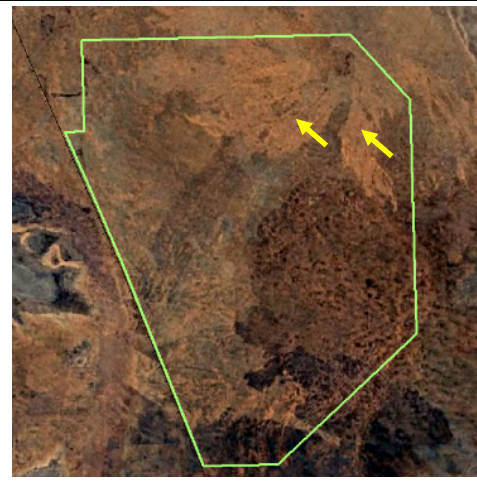
1995 – fire within in the south-western part of footprint



1997 – fires within the central and eastern parts of footprint



1998 – extensive fires throughout much of footprint



2000 – several small fire scars in the northern part of footprint



2002 – large scale fires throughout footprint, few areas unburnt

**SATELLITE IMAGERY OF FIRE EVENTS WITHIN THE SOLAR PRECINCT FOOTPRINT (DATA REVIEWED FROM 1990 ONWARDS) (Note: years with no fire events are not shown / provided)**



2005 – several small fires, including unburnt areas from 2002



2007 – fire within the north-western corner of footprint



2008 – majority of the footprint was burnt



2011 – fires in the south and eastern parts of the footprint



2012 – fires in the north-western parts of footprint



2013 – several fires with patchy burns

**SATELLITE IMAGERY OF FIRE EVENTS WITHIN THE SOLAR PRECINCT FOOTPRINT (DATA REVIEWED FROM 1990 ONWARDS) (Note: years with no fire events are not shown / provided)**



2014 – several fires in the eastern part of the footprint



2016 – extensive fire to the north and patchy burns in the southern parts of footprint



2018 – extensive fires in the south-eastern parts of the footprint

**APPENDIX B LAND TYPE SURVEY SITE DATA**

LAND TYPE SITE DATA								
Site	Latitude	Longitude	Site type	Aerial / ground	Land Type	Landform	Soil description	Vegetation description
1	-18.2178978	133.362591	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Corymbia flavescens</i> , <i>Bauhinia cunninghamii</i> , <i>Triodia pungens</i>
2	-18.1970625	133.385342	Full reference	Ground	D	Depression	Sandy loam; brown; and exposed grey loam	<i>Acacia sericophylla</i> , <i>Corymbia opaca</i> , <i>Melaleuca viridiflora</i> , <i>Acacia lysiphloia</i> , <i>Bonamia media</i> , <i>Aristida holathera</i> , <i>Aristida hygrometrica</i> , <i>Chrysopogon fallax</i> , <i>Eulalia aurea</i>
3	-18.1819469	133.398279	Check	Aerial	D	Depression	Sandy loam; brown; and exposed grey loam	Species data not recorded
4	-18.2245158	133.398977	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , patch of <i>Grevillea refracta</i> , <i>Triodia pungens</i>
5	-18.2337829	133.445306	Vegetation	Ground	D	Depression	Sandy loam; brown; and exposed grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Ehretia saligna</i> , <i>Acacia stipuligera</i>
6	-18.2457050	133.444111	Vegetation	Ground	D	Depression	Sandy loam; brown; and exposed grey loam	<i>Melaleuca viridiflora</i> , <i>Eulalia aurea</i> , <i>Chrysopogon fallax</i> , <i>Ehretia saligna</i>
7	-18.1838506	133.385209	Full reference	Ground	D	Depression	Sandy loam; brown; and exposed grey loam	<i>Corymbia opaca</i> (open), <i>Melaleuca nervosum</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> , patches of tussocks in low points.
8	-18.1505505	133.332207	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Acacia lysiphloia</i> (dense patch of old dead shrubs), <i>Bauhinia cunninghamii</i> (on edge), <i>Triodia pungens</i> , <i>Cleome viscosa</i> , <i>Aristida holathera</i> , <i>Aristida hygrometrica</i> .
9	-18.1528702	133.343362	Check	Aerial	B	Plain; flat	Sandy loam; red-brown; exposed areas of grey loam	<i>Bauhinia cunninghamii</i> (scattered), <i>Acacia lysiphloia</i> (dense), <i>Triodia pungens</i> , <i>Corymbia opaca</i> (scattered), <i>Acacia sericophylla</i> (scattered), <i>Hakea arborescens</i> (scattered)
10	-18.1614005	133.345506	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Acacia sericophylla</i> , <i>Acacia lysiphloia</i> , <i>Bauhinia cunninghamii</i> , <i>Melaleuca viridiflora</i> , <i>Triodia pungens</i> , <i>Corymbia flavescens</i>
11	-18.1676246	133.364501	Vegetation	Ground	D	Depression	Sandy loam; brown; and exposed grey loam	<i>Bauhinia cunninghamii</i> , <i>Hakea arborescens</i> , <i>Atalaya hemiglauca</i> , <i>Carissa spicatum</i> , tussocks ( <i>Chrysopogon fallax</i> , <i>Aristida holathera</i> , <i>Aristida hygrometrica</i> ), <i>Cleome viscosa</i> , <i>Fimbristylis dichotoma</i>
12	-18.1685645	133.346951	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Triodia pungens</i> . Patches of <i>Melaleuca</i> and <i>Acacia sericophylla</i> . Scattered <i>Bauhinia cunninghamii</i> , <i>Corymbia opaca</i> , <i>Carissa spicatum</i>
13	-18.1492827	133.349848	Check	Aerial	B	Plain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Bauhinia cunninghamii</i> , <i>Corymbia opaca</i> , <i>Triodia pungens</i> , <i>Acacia sericophylla</i> , <i>Acacia lysiphloia</i>
14	-18.1500662	133.376776	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> . Scattered <i>Bauhinia cunninghamii</i> .
15	-18.150116	133.404158	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> .





LAND TYPE SITE DATA								
Site	Latitude	Longitude	Site type	Aerial / ground	Land Type	Landform	Soil description	Vegetation description
16	-18.1533194	133.424469	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i>
17	-18.2478730	133.397489	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i>
18	-18.2464690	133.384901	Check	Aerial	B	Plain; flat	Sandy loam; red-brown; exposed areas of grey loam	Northern edge of <i>Eucalyptus pruinosa</i>
19	-18.1672462	133.404840	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (open), <i>Acacia lysiphloia</i> (mostly dead), <i>Triodia pungens</i> . <i>Petalostigma nummularium</i> , <i>Hakea arborescens</i> .
20	-18.1579596	133.408888	Check	Aerial	D	Depression	Sandy loam; brown; and exposed grey loam	Open shrubland of <i>Hakea arborescens</i> , <i>Corymbia opaca</i> , <i>Bauhinia cunninghamii</i> over mixed tussock grasses.
21	-18.1692613	133.398782	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (open), <i>Acacia lysiphloia</i> (patchy, alive), <i>Triodia pungens</i>
22	-18.1587893	133.377859	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> (sparse), <i>Triodia pungens</i> .
23	-18.2148383	133.370514	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Melaleuca viridiflora</i> patch (dominant, locally), <i>Triodia pungens</i> , <i>Corymbia opaca</i> (open and mallee'd), scattered <i>Eucalyptus pruinosa</i>
24	-18.1676210	133.447573	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia sericophylla</i> , <i>Acacia lysiphloia</i> (dead and alive patches), <i>Triodia pungens</i>
25	-18.1773863	133.423557	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	Open <i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> (dense, dead), <i>Triodia pungens</i>
26	-18.1868873	133.371119	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Acacia lysiphloia</i> (patch of shrubs), <i>Corymbia opaca</i> (common), <i>Triodia pungens</i> . <i>Petalostigma nummularium</i> also common.
27	-18.1751356	133.358848	Check	Aerial	B	Plain; flat	Sandy loam; pale-red-brown; exposed grey loam areas	<i>Corymbia opaca</i> , <i>Triodia pungens</i> , <i>Petalostigma nummularium</i> , <i>Acacia lysiphloia</i> , <i>Bauhinia cunninghamii</i>
28	-18.1559026	133.359103	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Corymbia opaca</i> , <i>Triodia pungens</i> . Also scattered <i>Acacia sericophylla</i> , <i>Carissa spicatum</i> , <i>Melaleuca spp.</i>
29	-18.1859100	133.359108	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Bauhinia cunninghamii</i> , <i>Eucalyptus pruinosa</i> , <i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> (patch), <i>Triodia pungens</i>
30	-18.1923047	133.351684	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Triodia pungens</i> , <i>Corymbia flavescens</i> , <i>Carissa spicatum</i> , <i>Corymbia opaca</i>
31	-18.1908380	133.424160	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Triodia pungens</i> . <i>Acacia lysiphloia</i> (scattered, patchy)
32	-18.1849021	133.435437	Check	Aerial	A	Sandplain;	Loamy sands; red-brown;	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> (patchy; mostly dead), <i>Triodia</i>

LAND TYPE SITE DATA								
Site	Latitude	Longitude	Site type	Aerial / ground	Land Type	Landform	Soil description	Vegetation description
						flat	minor areas of grey loam	<i>pungens</i>
33	-18.1961005	133.447705	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> . Transitional.
34	-18.2020305	133.424765	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Owenia reticulata</i> , <i>Corymbia opaca</i> , <i>Triodia pungens</i> , <i>Petalostigma nummularium</i> , <i>Acacia lysiphloia</i> , <i>Croton aridus</i>
35	-18.1932278	133.411910	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Petalostigma nummularium</i> , <i>Acacia lysiphloia</i> , <i>Brachychiton multicaulis</i> , <i>Triodia pungens</i> . Other less common but consistently observed species - <i>Carissa spicata</i> , <i>Acacia sericophylla</i> , <i>Grevillea wickhamii</i> , <i>Eremophila latrobei</i>
36	-18.1949865	133.377302	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> , <i>Petalostigma nummularium</i> .
37	-18.1941303	133.371052	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> , <i>Petalostigma nummularium</i> .
38	-18.2044498	133.366724	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Acacia lysiphloia</i> patch, <i>Corymbia opaca</i> (scattered), <i>Eucalyptus pruinosa</i> (scattered), <i>Triodia pungens</i> , <i>Petalostigma nummularium</i> .
39	-18.2051959	133.39968	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Triodia pungens</i>
40	-18.2118951	133.435493	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Croton aridus</i> , <i>Petalostigma nummularium</i> , <i>Acacia lysiphloia</i> (scattered), <i>Triodia pungens</i> .
41	-18.2147313	133.409736	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (open), <i>Triodia pungens</i> . Not many shrubs.
42	-18.2145029	133.385121	Check	Aerial	D	Depression	Sandy loam; brown; exposed areas of grey loam	<i>Corymbia opaca</i> (open), <i>Triodia pungens</i> . Also <i>Melaleuca viridiflora</i> and/or <i>Melaleuca nervosum</i> .
43	-18.2237989	133.370010	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Acacia sericophylla</i> , <i>Acacia lysiphloia</i> , <i>Corymbia opaca</i> (scattered), <i>Triodia pungens</i> . <i>Petalostigma nummularium</i> patchy on sandy rises.
44	-18.2222769	133.424634	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (open), <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> . Others common <i>Corymbia flavescens</i> (rare), <i>Petalostigma nummularium</i> , <i>Croton aridus</i> , <i>Acacia stipuligera</i> , <i>Acacia adsurgens</i> , <i>Petalostylis cassioides</i> , <i>Brachychiton multicaulis</i> .
45	-18.2339398	133.411683	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Petalostigma nummularium</i> , <i>Acacia lysiphloia</i> , <i>Brachychiton multicaulis</i> , <i>Triodia pungens</i>
46	-18.2340884	133.385841	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Triodia pungens</i> . Other less common species - <i>Croton aridus</i> , <i>Brachychiton multicaulis</i> , <i>Grevillea refracta</i>

LAND TYPE SITE DATA								
Site	Latitude	Longitude	Site type	Aerial / ground	Land Type	Landform	Soil description	Vegetation description
47	-18.2429637	133.371858	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Acacia sericophylla</i> , <i>Acacia lysiphloia</i> , <i>Corymbia opaca</i> (scattered)
48	-18.1908680	133.360038	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Corymbia flavescens</i> , <i>Triodia pungens</i>
49	-18.2532224	133.375576	Full reference	Ground	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> , <i>Corymbia opaca</i>
50	-18.2525973	133.386466	Vegetation	Ground	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> , <i>Corymbia opaca</i>
51	-18.2535279	133.410974	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> .
52	-18.2553764	133.428728	Check	Aerial	D	Depression	Sandy loam; brown; and exposed grey loam	<i>Corymbia opaca</i> (mallee'd), <i>Carissa spicatum</i> , <i>Triodia pungens</i> (on edge), tussocks (in central part of depression)
53	-18.2430971	133.429586	Check	Aerial	C	Alluvial flats	Sandy loam; pale-brown; exposed areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> . Scattered <i>Melaleuca sp.</i> (could not confirm species)
54	-18.2512060	133.438867	Full reference	Ground	C	Alluvial flats	Loam; grey to grey-brown; widespread exposed loamy crust	<i>Corymbia opaca</i> (open and mallee'd), <i>Melaleuca glomerata</i> , <i>Triodia pungens</i> .
55	-18.2171250	133.357620	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Triodia pungens</i> , <i>Acacia sericophylla</i> (patchy), <i>Acacia lysiphloia</i> (sparse to patchy). Loamy patches present.
56	-18.2042890	133.352256	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Acacia lysiphloia</i> patch in amongst <i>Eucalyptus pruinosa</i>
57	-18.1811010	133.347070	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Triodia pungens</i> . Scattered <i>Corymbia flavescens</i> and <i>Corymbia opaca</i> .
58	-18.1493980	133.344910	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Bauhinia cunninghamii</i> patch
59	-18.1508850	133.335952	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> (small patches only). <i>Hakea arborescens</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> , <i>Bauhinia cunninghamii</i> .
60	-18.1618513	133.336931	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Melaleuca viridiflora</i> (scattered), <i>Triodia pungens</i> (dominant), <i>Carissa spicatum</i> (scattered).
61	-18.1571424	133.331484	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	Vegetation data not recorded
62	-18.2139135	133.416648	Full reference	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (open), <i>Acacia lysiphloia</i> , <i>Petalostigma nummularium</i> , <i>Brachychiton multicaulis</i> , <i>Triodia pungens</i>

LAND TYPE SITE DATA								
Site	Latitude	Longitude	Site type	Aerial / ground	Land Type	Landform	Soil description	Vegetation description
63	-18.1590944	133.447433	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i>
64	-18.1567417	133.438142	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (scattered), <i>Acacia lysiphloia</i> (dead, patchy), <i>Triodia pungens</i>
65	-18.1749079	133.436551	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (scattered), <i>Acacia lysiphloia</i> (dead, patchy), <i>Triodia pungens</i> . Some other shrubs - <i>Croton aridus</i> and <i>Petalostigma nummularium</i>
66	-18.1720667	133.381653	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (scattered), <i>Petalostigma nummularium</i> (scattered), few other shrubs, <i>Triodia pungens</i> . A few <i>Bauhinia cunninghamii</i>
67	-18.1976972	133.437042	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> (rare), <i>Acacia lysiphloia</i> (dead), <i>Triodia pungens</i> . Some loamier patches to east but very similar vegetation
68	-18.1726396	133.370680	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Acacia lysiphloia</i> (dense patch, mostly dead), <i>Corymbia opaca</i> (scattered), <i>Petalostigma nummularium</i> , <i>Croton aridus</i> , <i>Triodia pungens</i> (dominant)
69	-18.2298000	133.372269	Check	Aerial	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> (open), <i>Triodia pungens</i> , <i>Acacia sericophylla</i> (scattered), <i>Carissa spicatum</i> (scattered).
70	-18.1505914	133.333617	Vegetation	Ground	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Acacia stipuligera</i> (some dense patches), <i>Triodia pungens</i> . <i>Bauhinia cunninghamii</i> , <i>Corymbia opaca</i> .
71	-18.2351546	133.379602	Vegetation	Ground	B	Plain; flat	Sandy loam; pale-brown; exposed areas of grey loam	<i>Eucalyptus pruinosa</i> , <i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> , <i>Triodia pungens</i> , <i>Petalostigma nummularium</i>
72	-18.1567972	133.425369	Check	Aerial	A	Sandplain; flat	Loamy sands; red-brown; minor areas of grey loam	<i>Corymbia opaca</i> , <i>Acacia lysiphloia</i> (dead), <i>Triodia pungens</i>

## APPENDIX C REFERENCE SITE DATA

REFERENCE SITE 2	LAND TYPE D	Latitude: -18.1952819	Longitude: 133.384966	(GDA94)			
<b>Surveyor:</b>	Tom Ewers-Reilly (5/11/2020)						
<b>Landform:</b>	Depression (shallow, closed); localised; flat (<1%)						
<b>Ground cover (%):</b>	<b>Vegetation:</b> 10–15%	<b>Leaf litter:</b> 2%	<b>Bare soil:</b> 80-90%	<b>Rock:</b> 0% <b>Gravel:</b> 0%			
<b>Soil:</b>	Loamy sand to sandy loam; some areas of thin loose red brown layer on surface; brown-yellow sub-surface; widespread areas of thin greyish loamy crusts.						
<b>Drainage potential:</b>	Poor drainage; run-on; landform becomes periodically inundated but is not expected to hold water for long periods (episodic).						
<b>Salinity indicators:</b>	None present						
<b>Termite mounds:</b>	Scattered small mounds; all less than 1m						
<b>Vegetation condition:</b>	Good	No weeds present; low pastoral impacts (scattered tracks only); no erosion; not previously cleared; low fire impact (last fire > years)					
<b>Vegetation description:</b>	Open shrubland of <i>Melaleuca viridiflora</i> over tussock grassland (mainly <i>Aristida holathera</i> ). Scattered emergent <i>Corymbia opaca</i> .						
<b>Vegetation</b>	<b>Upper stratum</b>	<b>Mid stratum</b>	<b>Ground stratum</b>				
<b>Structural formation:</b>	Isolated low trees	Low to Mid Open Shrubland	Low open tussock grassland				
<b>% cover:</b>	1%	5%	10 – 15%				
<b>Height range (m):</b>	4 – 6m	2 – 4m	0.1 – 0-8m				
<b>Average height (m):</b>	5m	2m	0.3m				
<b>Dominant species #:</b>	<i>Corymbia opaca</i> (c1) <i>Acacia sericophylla</i> (c1)	<i>Melaleuca viridiflora</i> (c2) <i>Acacia lysiphloia</i> (c2)	<i>Aristida holathera</i> (c4)				
<b>Other species #:</b>	-	<i>Melaleuca nervosum</i> (c1)	<i>Eulalia aurea</i> (c2) <i>Chrysopogon fallax</i> (c2) <i>Tribulopsis angustifolia</i> (c2) <i>Bonamia media var. media</i> (c2) <i>Waltheria indica</i> (c2) <i>Ptilotus calostachyus</i> (c2) <i>Tribulopsis angustifolia</i> (c2)				
<b># Cover category key:</b>	<b>c1</b> = <5% cover with 1 to 5 individuals; <b>c2</b> = <5% cover with 6 to 50 individuals; <b>c3</b> = <5% cover with >50 individuals; <b>c4</b> = 5 – 9% cover; <b>c5</b> = 10 to 29% cover; <b>c6</b> = 30 to 69% cover; <b>c7</b> = <70% cover						
<b>Soil horizon data</b>							
Horizon	Depth (mm)	Colour	Texture / structure	Mottles	Coarse fragments % and size	Moisture content (estimate)	Photo
A1	0- 200	Light brown – yellowish tinge	Loose / Loamy sand	No	100% fine	Dry	
A1	200-600	Light brown – yellowish tinge	Loose / Loamy sand	No	100% fine	Dry	
B1	600-1000	Brown – yellowish tinge	Loose / Sandy loam	No	100% fine	Dry	

REFERENCE SITE 2


LAND TYPE D

Latitude: -18.1952819

Longitude: 133.384966

(GDA94)



REFERENCE SITE 5	LAND TYPE D	Latitude: -18.234668	Longitude: 133.446966	(GDA94)
Surveyor:	Tom Ewers-Reilly (4/11/2020)			
Landform:	Depression (shallow, broad); run-on area; flat (<1%)			
Ground cover (%):	Vegetation: 10 - 15%	Leaf litter: 2%	Bare soil: 80 - 90%	Rock: 0% Gravel: 0%
Surface soils:	Surface is grey loam with very thin and brittle crusting; sandy loam sub-surface; surface often has a thin layer of red sand (wind-blown deposits) from adjacent sandplains.			
Drainage potential:	Moderate to poor; seasonally inundated for short periods (episodic)			
Salinity indicators:	None present			
Termite mounds:	Scattered; small towers; <1m high			
Vegetation condition:	Average	Drought affected vegetation; potentially also impacted by relatively frequent fire; no weeds; low pastoral impacts; no erosion; not previously cleared; vegetation is also fire impacted due to presence of mallee'd Bloodwood ( <i>Corymbia opaca</i> ).		
Vegetation description:	Mallee'd <i>Corymbia opaca</i> low trees (2m) and open shrubs ( <i>Acacia spp.</i> and <i>Melaleuca sp.</i> ) over both spinifex and tussock grasses. Isolated emergent <i>Corymbia opaca</i> .			
<b>Vegetation</b>	<b>Upper stratum</b>	<b>Mid stratum</b>	<b>Ground stratum</b>	
Structural formation:	Isolated trees / emergent	Open shrubland	Open hummock grassland	
% cover:	<1%	10%	2%	
Height range (m):	Up to 10m	1 – 2m	<1m	
Average height (m):	8m	2m	0.3m	
Dominant species #:	<i>Corymbia opaca</i> (c1)	<i>Corymbia opaca</i> (c4) <i>Acacia lysiphloia</i> (c3) <i>Acacia stipuligera</i> (c3) <i>Melaleuca nervosum</i> (c2) (patchy)	<i>Triodia pungens</i> (c4) <i>Chrysopogon fallax</i> (c3) (patchy)	
Other species #:	-	<i>Ehretia saligna</i> (c2) <i>Petalostigma nummularium</i> (c2) <i>Mirbelia viminalis</i> (c1)	<i>Corchorus sidoides</i> (c2) <i>Fimbristylis dichotoma</i> (c2) <i>Aristida holathera</i> (c2) <i>Bonamia media var. media</i> (c2)	
# Cover category key:	<b>c1</b> = <5% cover with 1 to 5 individuals; <b>c2</b> = <5% cover with 6 to 50 individuals; <b>c3</b> = <5% cover with >50 individuals; <b>c4</b> = 5 – 9% cover; <b>c5</b> = 10 to 29% cover; <b>c6</b> = 30 to 69% cover; <b>c7</b> = <70% cover			
<b>Soil horizon data was not collected at this site</b>				

REFERENCE SITE 5



LAND TYPE D





Latitude: -18.234668

Longitude: 133.446966

(GDA94)



REFERENCE SITE 6	LAND TYPE D	Latitude: -18.245641	Longitude: 133.444133	(GDA94)
Surveyor:	Tom Ewers-Reilly (6/11/2020)			
Landform:	Depression (shallow, closed); localised; very small, only about 20 x 20m in size; flat (<1%)			
Ground cover (%):	Vegetation: 80%	Leaf litter: <5%	Bare soil: 10 – 20%	Rock: 0% Gravel: 0%
Soil:	Surface is grey loam (approx. 20cm); dry; clayey subsurface (orange/red) which was moist at time of survey.			
Drainage potential:	Very poor drainage; run-on area; supports plant species adapted to periodic inundation.			
Salinity indicators:	None present			
Termite mounds:	Rare small domes (<50cm)			
Vegetation condition:	Excellent No weed species; low pastoral impacts; no erosion; not previously cleared; long time unburnt			
Vegetation description:	Low open shrubland ( <i>Melaleuca viridiflora</i> and <i>Ehretia saligna</i> ) over tussock grassland ( <i>Eulalia aurea</i> and <i>Chrysopogon fallax</i> ).			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Absent	Low open shrubland	Tussock grassland	
% cover:	-	10%	50 to 80%	
Height range (m):	-	1.5 – 2m	0.5 – 1m	
Average height (m):	-	1.5m	0.8m	
Dominant species #:	-	<i>Melaleuca viridiflora</i> (c4) <i>Wrightia saligna</i> (c3)	<i>Eulalia aurea</i> (c6) <i>Chrysopogon fallax</i> (c5)	
Other species #:	-	<i>Acacia lysiphloia</i> (c2) <i>Corymbia opaca</i> (c2) <i>Hakea arborescens</i> (c2) <i>Premna acuminata</i> (c2)	<i>Corchorus sidoides</i> (c1) <i>Indigofera linifolia</i> (c2) <i>Triodia pungens</i> (c2) <i>Indigofera linifolia</i> (c1)	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				
				

REFERENCE SITE 7	LAND TYPE D	Latitude: -18.184520	Longitude: 133.3855827	(GDA94)			
Surveyor:	Tom Ewers-Reilly (5/11/2020)						
Landform:	Depression; localised; flat (slope approx. 1%); minor run-on area						
Ground cover (%):	Vegetation: 15 - 20%	Leaf litter: 1%	Bare soil: 75 - 80%	Rock: 0% Gravel: 0%			
Surface soil:	Sandy loam; numerous areas of brittle loamy crust; patches of thin red sand wind-blown deposits from adjacent sandplain.						
Drainage potential:	Poor; seasonally inundated - only expected to hold water for short period following rainfall.						
Salinity indicators:	None present						
Termite mounds:	Scattered small towers <1m in height.						
Vegetation condition:	Good	Low level of drought affected vegetation; no weeds; low pastoral impacts; no erosion; not previously cleared; not recently burnt					
Vegetation description:	Open to sparse shrubs ( <i>Melaleuca glomerata</i> and <i>Acacia lysiphloia</i> ) over hummock grassland ( <i>Triodia pungens</i> ) and tussock grasses and <i>Cleome viscosa</i>						
<b>Vegetation</b>	<b>Upper stratum</b>	<b>Mid stratum</b>	<b>Ground stratum</b>				
Structural formation:	Isolated low trees	Low open shrubland	Open hummock grassland				
% cover:	1%	5%	15%				
Height range (m):	4 – 10m	1 – 3m	0.2 – 0.8m				
Average height (m):	5m	2m	0.4m				
Dominant species #:	-	<i>Melaleuca glomerata</i> (c5) <i>Acacia lysiphloia</i> (c5)	<i>Triodia pungens</i> (c5 - 6) <i>Aristida holathera</i> (c4) <i>Cleome viscosa</i> (c3) <i>Chrysopogon fallax</i> (c3)				
Other species #:	<i>Corymbia opaca</i> (c2) <i>Melaleuca glomerata</i> (c2) <i>Acacia sericophylla</i> (c2) <i>Corymbia flavescens</i> (c1)	<i>Carissa spicatum</i> (c3) <i>Ehretia saligna</i> (c3) <i>Melaleuca nervosum</i> (c3) <i>Petalostigma nummularium</i> (c3) <i>Atalaya hemiglauca</i> (c2) <i>Brachychiton multicaulis</i> (c2) <i>Capparis</i> sp. (c2) <i>Bauhinia cunninghamii</i> (c1) <i>Eremophila longifolia</i> (c1)	<i>Bonamia media</i> var. <i>media</i> (c3) <i>Ptilotus calostachyus</i> (c3) <i>Cucumis maderaspatanus</i> (c2) <i>Heliotropium</i> sp. (c2) <i>Indigofera linifolia</i> (c2) <i>Paraneurachne muelleri</i> (c2) <i>Spermacoce hillii</i> (c2) <i>Streptoglossa liatroides</i> (c2) <i>Tephrosia</i> sp. <i>D Kimberley Flora</i> (c2) <i>Senna notabilis</i> (c1) <i>Sida</i> sp. (c1) <i>Corchorus sidoides</i> (c1)				
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover						
<b>Soil horizon data</b>							
Horizon	Depth (mm)	Colour	Texture / structure	Mottles	Coarse fragments /size	Moisture conten	Photo
A1	0 - 100	Brown	Loose / loamy sand	None	100% fine (no surface gravel or rock)	Dry	
A2	100 - 400	Red-brown to brown-orange	Loose / loamy sand	None	100% fine (no surface gravel or rock)	Dry	
A3	400 - 1000	Orange-red	Loose / loamy sand	None	100% fine (no surface gravel or rock)	Dry	

REFERENCE SITE 7


LAND TYPE D

Latitude: -18.184520

Longitude: 133.3855827

(GDA94)



REFERENCE SITE 8	LAND TYPE A	Latitude: -18.150795	Longitude: 133.332265	(GDA94)
Surveyor:	Tom Ewers-Reilly (5/11/2020)			
Landform:	Sandplain; flat (slope approx. 1%)			
Ground cover (%):	Vegetation: 65%	Leaf litter: 5 – 10%	Bare soil: 25%	Rock: 0% Gravel: 0%
Surface soil:	Soft red-brown sand on surface; Sandy loam (brown) sub-surface			
Drainage potential:	Rapid			
Salinity indicators:	None present			
Termite mounds:	Rare; <0.5m			
Vegetation condition:	Poor	High level of drought affected vegetation (death and senescence of dominant species); no weeds; low pastoral impacts; no erosion; not previously cleared; not recently burnt		
Vegetation description:	Relatively dense stand of <i>Acacia lysiphloia</i> shrubs (all mostly dead / senesced) over an open hummock grassland ( <i>Triodia pungens</i> ); fringed by <i>Bauhinia cunninghamii</i> trees			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Isolated low trees	Tall shrubland	Open hummock grassland	
% cover:	1%	50%	10 – 15%	
Height range (m):	4 - 6m	2 – 3m	0.1 – 0.8m	
Average height (m):	5m	3m	0.2m	
Dominant species #:	<i>Bauhinia cunninghamii</i> (c2) (mainly on edge of patch)	<i>Acacia lysiphloia</i> (c6)	<i>Triodia pungens</i> (c4) <i>Cleome viscosa</i> (c4)	
Other species #:	-	<i>Eremophila latrobei</i> (c2) <i>Carissa spicatum</i> (c1)	<i>Aristida holathera</i> (c3) <i>Aristida hygrometrica</i> (c3) <i>Bonamia media var. media</i> (c3) <i>Corchorus sidoides</i> (c2) <i>Tephrosia sp. D Kimberley Flora</i> (c2)	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				

REFERENCE SITE 8


LAND TYPE A

Latitude: -18.150795

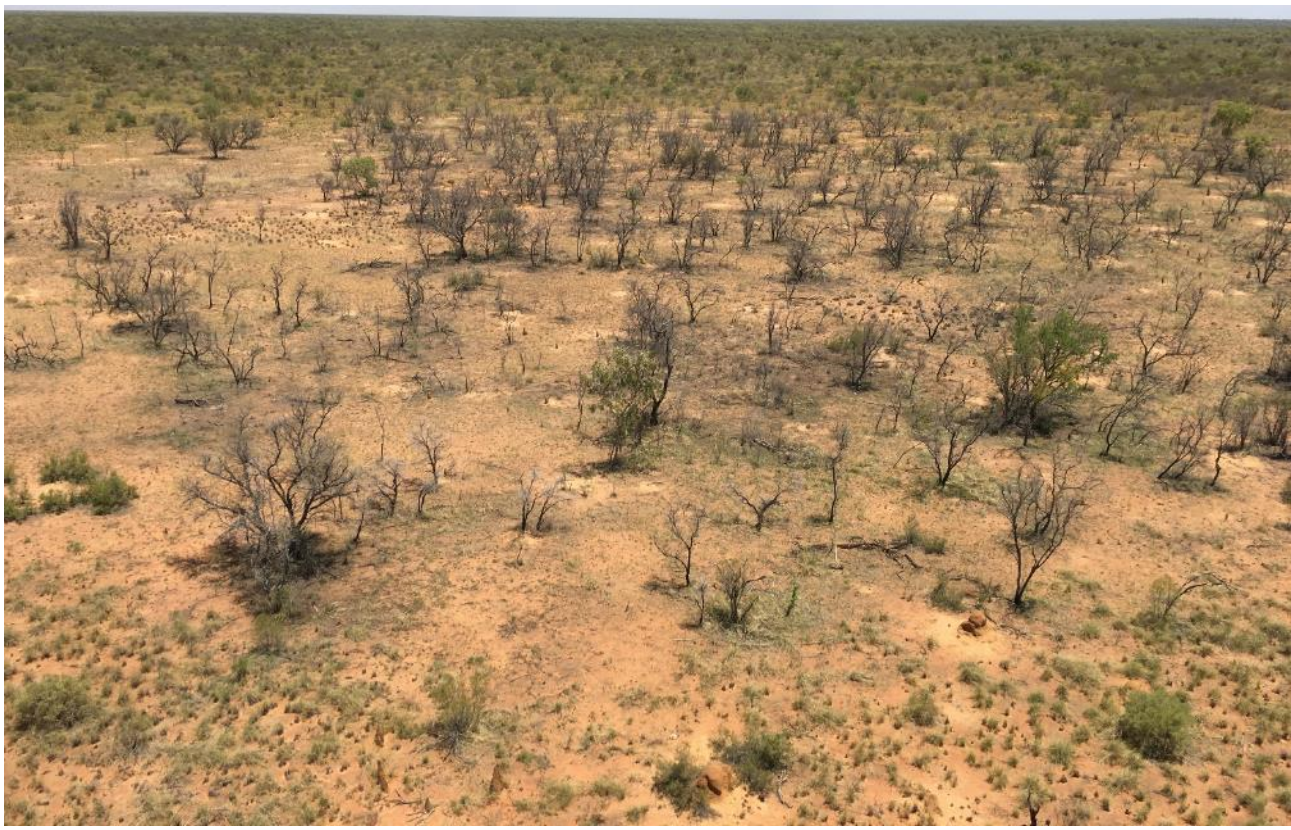
Longitude: 133.332265


(GDA94)



REFERENCE SITE 11	LAND TYPE D	Latitude: -18.1676412	Longitude: 133.364553	(GDA94)
Surveyor:	Tom Ewers-Reilly (5/11/2020)			
Landform:	Depression (shallow, closed); localised; flat (<1%)			
Ground cover (%):	Vegetation: 10 - 15%	Leaf litter: <5%	Bare soil: 80 - 90%	Rock: 0% Gravel: 0%
Surface soils:	Sandy loam; grey; thin red brown sandy veneer on surface (wind-blown deposition from surrounding sandplain).			
Drainage potential:	Poor drainage; run-on area; Supports plant species adapted to periodic inundation.			
Salinity indicators:	None present			
Termite mounds:	Scattered small towers and domes (<100cm)			
Vegetation condition:	Poor	Vegetation is drought affected vegetation (senescent; some mortality); potentially also impacted by relatively frequent fire; however there are no weeds; low pastoral impacts; no erosion; and has not previously cleared		
Vegetation description:	Scattered <i>Bauhinia cunninghamii</i> and <i>Hakea arborescens</i> low trees with scattered to patchy shrubs over <i>Cleome viscosa</i> and mixed tussock grasses.			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Low open woodland	Low open shrubland	Tussock grassland	
% cover:	5%	5%	10%	
Height range (m):	4 – 5m	1 – 1.5m	<1m	
Average height (m):	4m	1m	0.8m	
Dominant species #:	<i>Bauhinia cunninghamii</i> (c3) <i>Hakea arborescens</i> (c3)	<i>Atalaya hemiglauca</i> (saplings) (c3)	<i>Cleome viscosa</i> (c4) <i>Chrysopogon fallax</i> (c3 - 4) <i>Fimbristylis dichotoma</i> (c3 - 4)	
Other species #:	-	<i>Carissa spicatum</i> (c3) <i>Bauhinia cunninghamii</i> (c2) <i>Ehretia saligna</i> (c1) <i>Acacia colei</i> (c1)	<i>Aristida holathera</i> (c3) <i>Aristida hygrometrica</i> (c3) <i>Eulalia aurea</i> (c3) <i>Aristida latifolia</i> (c2) <i>Cucumis maderaspatanus</i> (c2) <i>Themeda avenacea</i> (c2) <i>Marsdenia australis</i> (c1)	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				



**REFERENCE SITE 11**    **LAND TYPE D**    **Latitude: -18.1676412**    **Longitude: 133.364553**    (GDA94)



REFERENCE SITE 15	LAND TYPE A	Latitude: -18.149903	Longitude: 133.40501066	(GDA94)
Surveyor:	Tom Ewers-Reilly (6/11/2020)			
Landform:	Sandplain; flat (slope approx. 1%)			
Ground cover (%):	Vegetation: 20 - 30%	Leaf litter: 1%	Bare soil: 70 - 80%	Rock: 0% Gravel: 0%
Surface soil:	Red-brown sandy loam; thin layer of loose red sand across most of site; sub-surface is grey-brown sandy loam.			
Drainage potential:	Moderate; no flora species that indicate site becomes seasonally inundated			
Salinity indicators:	None present			
Termite mounds:	Relatively common; towers; <1m in height			
Vegetation condition:	Good	Low level of drought affected vegetation; no weeds; low pastoral impacts; no erosion; not previously cleared; not recently burnt		
Vegetation description:	Patchy <i>Acacia lysiphloia</i> shrubland (mostly dead/senesced) over hummock grassland ( <i>Triodia pungens</i> ); occasional low tree ( <i>Corymbia opaca</i> , <i>Capparis mitchellii</i> , <i>Acacia sericophylla</i> , <i>Hakea chordophylla</i> )			
<b>Vegetation</b>	<b>Upper stratum</b>	<b>Mid stratum</b>	<b>Ground stratum</b>	
Structural formation:	Isolated trees	Open shrubland	Hummock grassland	
% cover:	1%	5 – 10%	15 – 20%	
Height range (m):	4 – 8m	1 – 1.5m	0.2 – 0.8m	
Average height (m):	6m	1.5m	0.4m	
Dominant species #:	<i>Corymbia opaca</i> (c1)	<i>Acacia lysiphloia</i> (c4) (patchy)	<i>Triodia pungens</i> (c5)	
Other species #:	<i>Capparis mitchellii</i> (c1) <i>Acacia sericophylla</i> (c1) <i>Hakea chordophylla</i> (c1)	<i>Acacia elachantha</i> (c2) <i>Acacia hemignosta</i> (c2) <i>Atalaya hemiglauca</i> (c2) <i>Ehretia saligna</i> (c2)	<i>Aristida holathera</i> (c3) <i>Aristida hygrometrica</i> (c3) <i>Chrysopogon fallax</i> (c2) <i>Keraudrenia nephrosperma</i> (c2) <i>Cleome viscosa</i> (c2) Potentially a variety of other tussock grasses under canopies.	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				


**REFERENCE SITE 15**    **LAND TYPE A**    **Latitude: -18.149903**    **Longitude: 133.40501066**    (GDA94)



REFERENCE SITE 19	LAND TYPE A	Latitude: -18.1667934	Longitude: 133.404812	(GDA94)			
Surveyor:	Tom Ewers-Reilly (6/11/2020)						
Landform:	Sandplain; flat (slope approx. 1%)						
Ground cover (%):	Vegetation: 25%	Leaf litter: <1%	Bare soil: 75%	Rock: 0% Gravel: 0%			
Surface soil:	Red earth / sandy loam; thin layer of loose red sand across most of site; sub-surface is grey-brown sandy loam.						
Drainage potential:	Rapid to moderate; no flora species that indicate site becomes seasonally inundated						
Salinity indicators:	None present						
Termite mounds:	Relatively common; towers; <1m in height						
Vegetation condition:	Average Drought affected vegetation (shrub mortality is relatively high); no weeds; low pastoral impacts; no erosion; not previously cleared; recovering from fire						
Vegetation description:	Patchy <i>Acacia lysiphloia</i> shrubland (mostly dead/senesced) over hummock grassland ( <i>Triodia pungens</i> ); occasional low tree ( <i>Corymbia opaca</i> )						
Vegetation	Upper stratum	Mid stratum	Ground stratum				
Structural formation:	Scattered trees	Open shrubland	Open hummock grassland				
% cover:	2%	5%	20%				
Height range (m):	6 – 7m	1 – 2m	0.2 – 0.8m				
Average height (m):	7m	1.5m	0.3m				
Dominant species #:	<i>Corymbia opaca</i> (c3)	<i>Acacia lysiphloia</i> (c4) (patchy) (dead)	<i>Triodia pungens</i> (c5)				
Other species #:	-	<i>Petalostigma nummularium</i> (c3) <i>Hakea arborescens</i> (c3) <i>Corymbia opaca</i> (c2)	<i>Aristida holathera</i> (c3) <i>Boerhavia coccinea</i> (c3) <i>Bonamia media var. media</i> (c2) <i>Chrysopogon fallax</i> (c2) <i>Cleome viscosa</i> (c2) <i>Corchorus sidoides</i> (c2) <i>Cullen martini</i> (c2) <i>Eriachne obtusa</i> sp. Tall broad inflorescence (c2) <i>Spermacoce hillii</i> (c2) <i>Cucumis maderaspatanus</i> (c1) <i>Tinospora smilacina</i> (c1)				
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover						
Soil horizon data							
Horizon	Depth (mm)	Colour	Texture	Mottles	Coarse fragments % and size	Moisture content (estimate)	Photo
A	0 – 1000	Thin red surface / red-brown subsurface	Loamy sand	None	100% fine	Dry	


REFERENCE SITE 19    LAND TYPE A    Latitude: -18.1667934    Longitude: 133.404812    (GDA94)



REFERENCE SITE 24	LAND TYPE A	Latitude: xx	Longitude: xx	(GDA94)
Surveyor:	Tom Ewers-Reilly (4/11/2020)			
Landform:	Sandplain; flat (slope <1%)			
Ground cover (%):	Vegetation: 25%	Leaf litter: 2%	Bare soil: 70 - 75%	Rock: 0% Gravel: 0%
Surface soil:	Pale red-brown sandy loam; surface has a thin layer of pale red sands (wind-blown deposits from adjacent sandplains).			
Drainage potential:	Rapid to moderate No signs of seasonal inundation at site.			
Salinity indicators:	None present			
Termite mounds:	Rare small towers and domes; <1m			
Vegetation condition:	Average	Drought affected vegetation (shrub mortality is relatively high); no weeds; low pastoral impacts; no erosion; not previously cleared; recovering from fire		
Vegetation description:	Patchy <i>Acacia lysiphloia</i> shrubland (and scattered other shrubs) over hummock grassland ( <i>Triodia pungens</i> ). Occasional low trees ( <i>Corymbia opaca</i> and <i>Acacia sericophylla</i> ).			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Isolated low trees	Sparse to open shrubland	Open hummock grassland	
% cover:	1%	5 – 10% (patchy)	10%	
Height range (m):	5 – 8m	1 – 2m	0.2 – 0.4m	
Average height (m):	6m	1.2m	0.2m	
Dominant species #:	<i>Corymbia opaca</i> (c2)	<i>Acacia lysiphloia</i> (c4) (patchy)	<i>Triodia pungens</i> (c5)	
Other species #:	<i>Acacia sericophylla</i> (c1)	<i>Carissa spicatum</i> (c2) <i>Corymbia opaca</i> (regrowth) (c2) <i>Ehretia saligna</i> (c2) <i>Acacia elachantha</i> (c1)	<i>Aristida holathera</i> (c2) <i>Boerhavia coccinea</i> (c2) <i>Bonamia media var. media</i> (c2) <i>Cleome viscosa</i> (c2)	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				

REFERENCE SITE 24    LAND TYPE A    Latitude: xx    Longitude: xx    (GDA94)



REFERENCE SITE 35	LAND TYPE A	Latitude: -18.1955314	Longitude: 133.411256	(GDA94)
Surveyor:	Tom Ewers-Reilly (4/11/2020)			
Landform:	Sandplain; flat (slope approx. 1%)			
Ground cover (%):	Vegetation: 20%	Leaf litter: <1%	Bare soil: 80%	Rock: 0% Gravel: 0%
Surface soil:	Red earth / sandy loam; areas of exposed grey-brown loam. Thin layer of loose red sand across most of site.			
Drainage potential:	Rapid to moderate No flora species present that indicate seasonal inundation occurs at site.			
Salinity indicators:	None present			
Termite mounds:	Relatively common; towers; <1m in height			
Vegetation condition:	Good	Some drought affected vegetation; no weeds; low pastoral impacts (i.e. few tracks and scats present); no erosion; not previously cleared; recovering from fire		
Vegetation description:	Sparse shrubs (mainly <i>Petalostigma nummularium</i> ) over hummock grassland ( <i>Triodia pungens</i> ); patchy areas of tussock grasses.			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Scattered / isolated low trees	Sparse low shrubland	Hummock grassland	
% cover:	1%	2%	20%	
Height range (m):	6 – 10m	1 – 2m	0.1 – 0.5m	
Average height (m):	8m	1.2m	0.3m	
Dominant species #:	<i>Corymbia opaca</i> (c2)	<i>Petalostigma nummularium</i> (c2)	<i>Triodia pungens</i> (c5)	
Other species #:	<i>Corymbia flavescens</i> (c1) <i>Corymbia setosa</i> (c1)	<i>Acacia lysiphloia</i> (c1) <i>Acacia sericophylla</i> (c1) <i>Brachychiton multicaulis</i> (c1) <i>Carissa spicatum</i> (c1) <i>Ehretia saligna</i> (c1) <i>Eremophila latrobei</i> (c1) <i>Grevillea wickhamii</i> (c1)	<i>Aristida holathera</i> (c3) <i>Aristida hygrometrica</i> (c3) <i>Chrysopogon fallax</i> (c2) <i>Cleome viscosa</i> (c2) <i>Tinospora smilacina</i> (c2)	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				

REFERENCE SITE 35


LAND TYPE A

Latitude: -18.1955314

Longitude: 133.411256

(GDA94)



REFERENCE SITE 44	LAND TYPE A	Latitude: -18.22534	Longitude: 133.423741	(GDA94)
Surveyor:	Tom Ewers-Reilly (4/11/2020)			
Landform:	Sandplain; flat (slope <1%)			
Ground cover (%):	Vegetation: 20%	Leaf litter: 1%	Bare soil: 80%	Rock: 0% Gravel: 0%
Surface soil:	Red-brown sandy loam; surface has a thin layer of red sands (wind-blown deposits from adjacent sandplains).			
Drainage potential:	Rapid to moderate No signs of seasonal inundation at site.			
Salinity indicators:	None present			
Termite mounds:	Rare small towers and domes; <1m			
Vegetation condition:	Average Drought affected vegetation (shrub mortality is relatively high); no weeds; low pastoral impacts; no erosion; not previously cleared; recovering from fire			
Vegetation description:	Acacia shrubland ( <i>Acacia lysiphloia</i> ) over hummock grassland ( <i>Triodia pungens</i> ) and patchy areas of tussock grasses. The occasional emergent tree ( <i>Corymbia opaca</i> and <i>C. flavescens</i> ).			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Isolated trees / emergents	Open shrubland	Hummock grassland	
% cover:	<1%	10%	10%	
Height range (m):	6 – 7m	1 – 2m	< 0.5m	
Average height (m):	6m	1.5m	0.3m	
Dominant species #:	<i>Corymbia opaca</i> (c2)	<i>Acacia lysiphloia</i> (c4)	<i>Triodia pungens</i> (c5) <i>Chrysopogon fallax</i> (c3)	
Other species #:	<i>Corymbia flavescens</i> (c1)	<i>Croton aridus</i> (c2) <i>Petalostigma nummularium</i> (c2) <i>Brachychiton multicaulis</i> (c2) <i>Acacia stipuligera</i> (c2) <i>Acacia adsurgens</i> (c2) <i>Petalostylis cassioides</i> (c2) <i>Grevillea refracta</i> (c1)	<i>Aristida holathera</i> (c3) <i>Keraudrenia nephrosperma</i> (c2) <i>Corchorus sidoides</i> (c2) <i>Cullen martinii</i> (c2) <i>Scaevola amblyanthera</i> or <i>S. ovalifolia</i> (c1) <i>Senna curvistyla</i> (c1) <i>Senna notabilis</i> (c1) Low cover of numerous other forbs and tussock grasses that could not be identified at time of survey.	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				

REFERENCE SITE 44


LAND TYPE A

Latitude: -18.22534

Longitude: 133.423741

(GDA94)



REFERENCE SITE 46	LAND TYPE A	Latitude: -18.235167	Longitude: 133.385314	(GDA94)
Surveyor:	Tom Ewers-Reilly (6/11/2020)			
Landform:	Plain / sandplain; flat (slope approx. 1%)			
Ground cover (%):	Vegetation: 10 -15%	Leaf litter: 1%	Bare soil: 85-95%	Rock: 0% Gravel: 0%
Surface soil:	Loamy surface soils will brittle grey crusting; with a very thin layer of red sands; areas of exposed grey loam is relatively frequent throughout site; sub-surface is brown sandy loam;			
Drainage potential:	Moderate; flora species assemblage does not indicate frequent inundation			
Salinity indicators:	None present			
Termite mounds:	Rare to scattered low towers; <50cm			
Vegetation condition:	Good	Low level of drought affected vegetation; no weeds; low pastoral impacts; no erosion; not previously cleared; not recently burnt		
Vegetation description:	Patchy <i>Acacia lysiphloia</i> and <i>Petalostigma nummularium</i> shrubland (mostly dead/senesced) over hummock grassland ( <i>Triodia pungens</i> ); occasional low tree ( <i>Corymbia opaca</i> , <i>Owenia reticulata</i> , <i>Acacia sericophylla</i> )			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Isolated low trees	Sparse shrubland	Hummock grassland	
% cover:	1%	2%	15%	
Height range (m):	Up to 8m	1 – 2m	0.2 – 0.8m	
Average height (m):	7m	1.5m	0.4m	
Dominant species #:	<i>Corymbia opaca</i> (c2)	<i>Acacia lysiphloia</i> (c2) (patchy) <i>Petalostigma nummularium</i> (c2)	<i>Triodia pungens</i> (c5)	
Other species #:	<i>Owenia reticulata</i> (c2) <i>Acacia sericophylla</i> (c1)	<i>Brachychiton multicaulis</i> (c2) <i>Croton aridus</i> (c2) <i>Hakea arborescens</i> (c2)	<i>Keraudrenia nephrosperma</i> (c2)	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				

REFERENCE SITE 46





LAND TYPE A

Latitude: -18.235167

Longitude: 133.385314

(GDA94)



REFERENCE SITE 49		LAND TYPE B		Latitude: -18.25327		Longitude: 133.37561		(GDA94)							
<b>Surveyor:</b>		Tom Ewers-Reilly (5/11/2020)													
<b>Landform:</b>		Plain; flat (slope approx. 1%)													
<b>Ground cover (%):</b>		<b>Vegetation:</b> 50%		<b>Leaf litter:</b> 1%		<b>Bare soil:</b> 50%		<b>Rock:</b> 0%							
<b>Gravel:</b> 0%															
<b>Surface soil:</b>										Brown to grey sandy loam; relatively heavy but no clay present; numerous areas of exposed grey-brown loam; thin layer of red sands in some areas (wind-blown deposits from surrounding sandplains).					
<b>Drainage potential:</b>										Moderate					
<b>Salinity indicators:</b>										None present					
<b>Termite mounds:</b>		Relatively common; including domes and small towers to 1m.													
<b>Vegetation condition:</b>		Good Low level of drought affected vegetation; no weeds; low pastoral impacts; no erosion; not previously cleared; not recently burnt													
<b>Vegetation description:</b>		Open mallee shrubland ( <i>Eucalyptus pruinosa</i> ) and patchy to sparse <i>Acacia lysiphloia</i> shrubs over hummock grassland ( <i>Triodia pungens</i> ).													
<b>Vegetation</b>		<b>Upper stratum</b>		<b>Mid stratum</b>		<b>Ground stratum</b>									
<b>Structural formation:</b>		Isolated low trees		Open to sparse shrubland		Hummock grassland									
<b>% cover:</b>		1%		5%		25 – 50% (patchy)									
<b>Height range (m):</b>		4 – 6m		2 – 4m		0.2 – 0.5m									
<b>Average height (m):</b>		5m		2m		0.3m									
<b>Dominant species #:</b>		<i>Eucalyptus pruinosa</i> (c3) <i>Corymbia opaca</i> (c2)		<i>Eucalyptus pruinosa</i> (c4) <i>Acacia lysiphloia</i> (c3)		<i>Triodia pungens</i> (c5 – 6)									
<b>Other species #:</b>		-		<i>Acacia elachantha</i> (c2) <i>Acacia sericophylla</i> (c2) <i>Wrightia saligna</i> (c2) <i>Ehretia saligna</i> (c1) <i>Carissa spicatum</i> (c1) <i>Hakea arborescens</i> (c1)		<i>Keraudrenia nephrosperma</i> (c3) <i>Paraneurachne muelleri</i> (c2) <i>Aristida latifolia</i> (c2) <i>Tinospora smilacina</i> (c2) <i>Petalostylis cassioides</i> (c2) <i>Cullen martini</i> (c2) <i>Solanum sp.</i> (c1)									
<b># Cover category key:</b>		c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover													
<b>Soil horizon data</b>															
Horizon	Depth (mm)	Colour	Texture / structure	Mottles	Coarse fragments % and size	Moisture content (estimate)	Photo								
A1	0 - 100	Brown / red-brown	Loose / loamy sand	None	100% fine (no gravel or rock)	Dry									
A2	100 - 500	Reddish / red-brown-orange	Loose / sandy loam	None	100% fine (no gravel or rock)	Dry									
A3	500 - 1000	Red-brown	Loose / sandy loam	None	100% fine (no gravel or rock)	Dry									

REFERENCE SITE 49


LAND TYPE B

Latitude: -18.25327

Longitude: 133.37561

(GDA94)



REFERENCE SITE 50	LAND TYPE B	Latitude: -18.25471	Longitude: 133.385484	(GDA94)
Surveyor:	Tom Ewers-Reilly (5/11/2020)			
Landform:	Plain; flat (slope approx. 1%)			
Ground cover (%):	Vegetation: 15%	Leaf litter: 1%	Bare soil: 75%	Rock: 0% Gravel: 0%
Surface soil:	Red-brown clay loam; thin crusting is present on the surface in many areas; sandy loam sub-surface			
Drainage potential:	Poor; area potentially becomes waterlogged but seasonal inundation is expected to be relatively low and episodic.			
Salinity indicators:	None present			
Termite mounds:	Scattered to common; small towers and low domes; <1m high			
Vegetation condition:	Average	Moderate level of drought affected vegetation; no weeds; low pastoral impacts; no erosion; not previously cleared; vegetation still regenerating after fire		
Vegetation description:	Open mallee shrubland ( <i>Eucalyptus pruinosa</i> ) and patchy to sparse <i>Acacia lysiphloia</i> shrubs over hummock grassland ( <i>Triodia pungens</i> ).			
Vegetation	Upper stratum	Mid stratum	Ground stratum	
Structural formation:	Isolated low trees	Open shrubland	Open hummock grassland	
% cover:	<1%	<5%	10%	
Height range (m):	6m	2 – 3m	0.2 – 0.5m	
Average height (m):	6m	3m	0.3m	
Dominant species #:	-	<i>Acacia lysiphloia</i> (c3) <i>Eucalyptus pruinosa</i> (c3)	<i>Triodia pungens</i> (c5)	
Other species #:	<i>Corymbia opaca</i> (c1)	-	<i>Petalostylis cassioides</i> (c2) <i>Aristida holathera</i> (c1) <i>Cullen martini</i> (c1) <i>Keraudrenia nephrosperma</i> (c1) <i>Paraneurachne muelleri</i> (c1) <i>Solanum sp.</i> (c1) <i>Tinospora smilacina</i> (c1)	
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover			
Soil horizon data was not collected at this site				

REFERENCE SITE 50





LAND TYPE B

Latitude: -18.25471

Longitude: 133.385484

(GDA94)



REFERENCE SITE 54	LAND TYPE C	Latitude: -18.251206	Longitude: 133.438867	(GDA94)			
Surveyor:	Tom Ewers-Reilly (6/11/2020)						
Landform:	Alluvial flats, loamy plain; flat (slope less than 1%); relic floodout of drainage areas to the east associated with the Ashburton Range.						
Ground cover (%):	Vegetation: 10%	Leaf litter: <1%	Bare soil: 90%	Rock: 0% Gravel: 0%			
Surface soil:	Sandy loam, likely some areas that contain clay loam; numerous areas of exposed grey loam crusting (as a result of stormwater); thin layer of pale red sands from wind-blown deposition from adjacent sandplains.						
Drainage potential:	Poor; area likely becomes seasonally waterlogged (low levels: however lack of clay indicates that inundation events are minor and short lived).						
Salinity indicators:	None present						
Termite mounds:	Scattered small towers; 0.3m high						
Vegetation condition:	Average	Low level of drought affected vegetation; no weeds; low pastoral impacts; no erosion; not previously cleared; recovering after fire; potentially has a relatively high fire frequency					
Vegetation description:	Sparse mallee'd <i>Corymbia opaca</i> and <i>Melaleuca glomerata</i> shrubs over hummock grassland ( <i>Triodia pungens</i> ) and tussock grasses and a variety of mixed forbs						
Vegetation	Upper stratum	Mid stratum	Ground stratum				
Structural formation:	Isolated low trees	Sparse shrubland	Open hummock grassland				
% cover:	<1%	1%	10%				
Height range (m):	4 – 5m	1 – 2m	0.2 – 0.6m				
Average height (m):	4m	1m					
Dominant species #:	<i>Corymbia opaca</i> (c1)	<i>Corymbia opaca</i> (c3) (mallee'd) <i>Melaleuca glomerata</i> (c2 - 3)	<i>Triodia pungens</i> (c4 - 5)				
Other species #:	-	<i>Acacia sericophylla</i> (c2) <i>Hakea arborescens</i> (c1) <i>Ehretia saligna</i> (c1) <i>Carissa spicatum</i> (c1)	<i>Bonamia media</i> var. <i>media</i> (c3) <i>Chrysopogon fallax</i> (c3) <i>Cassutha filiformis</i> (c2) <i>Aristida holathera</i> (c2) Several other small forbs and tussock grasses that were dried and could not be identified.				
# Cover category key:	c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover						
Soil horizon data							
Horizon	Depth (mm)	Colour	Texture / structure	Mottles	Coarse fragments % and size	Moisture content (estimate)	Photo
A1	0 - 100	Brown-grey	Loose / sandy loam	None	100% fine (no surface gravel or rock)	Dry	
A2	100 - 400	Red-brown to brown-orange	Loose / sandy loam	None	100% fine (no surface gravel or rock)	Dry	
A3	400 - 1000	Orange-red	Loose / sandy loam	None	100% fine (no surface gravel or rock)	Dry	

REFERENCE SITE 54




LAND TYPE C

Latitude: -18.251206

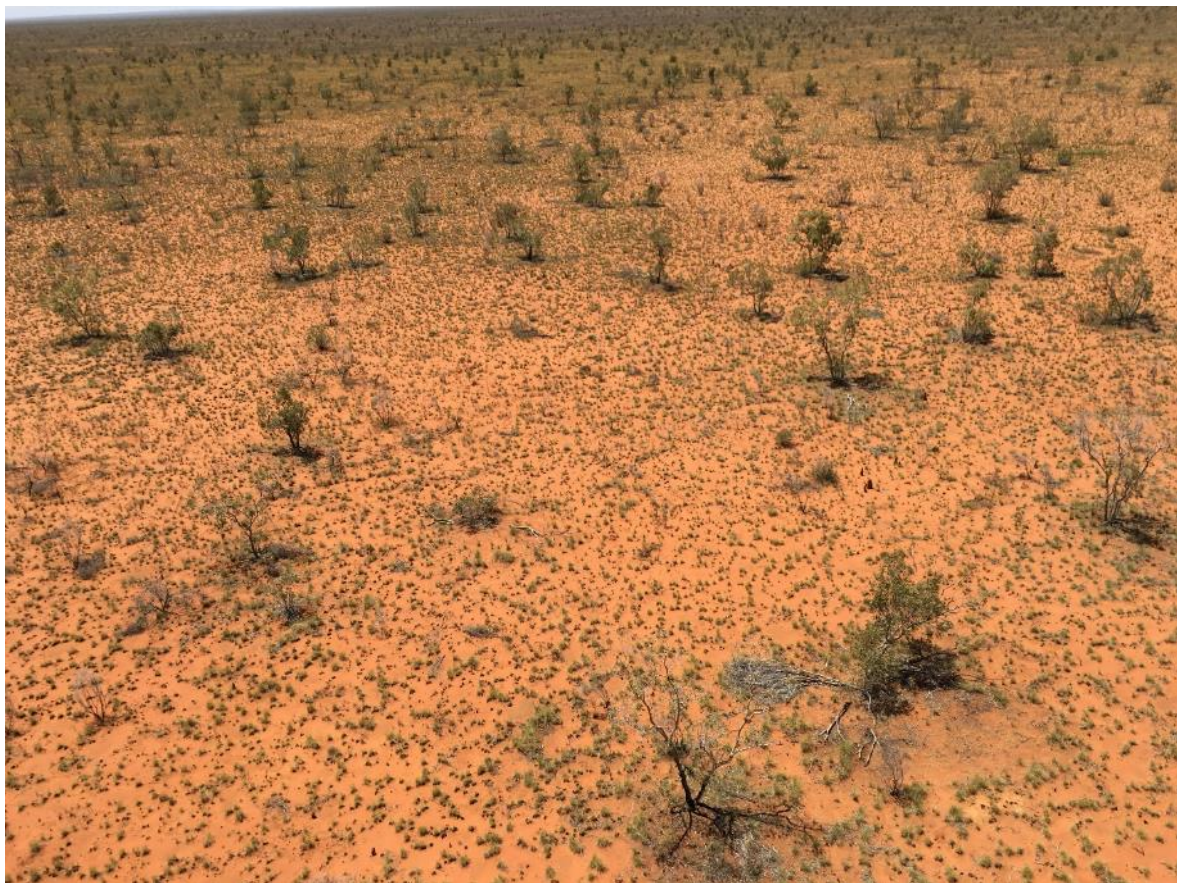
Longitude: 133.438867

(GDA94)



REFERENCE SITE 62		LAND TYPE A		Latitude: -18.213876		Longitude: 133.416662		(GDA94)	
Surveyor:		Tom Ewers-Reilly (6/11/2020)							
Landform:		Sandplain; flat (slope approx. 1%)							
Ground cover (%):		Vegetation: 25%		Leaf litter: 1%		Bare soil: 70 - 75%		Rock: 0% Gravel: 0%	
Surface soil:		Red earth; sandy loam; brown sub-surface No gravel or rocks present.							
Drainage potential:		Rapid to moderate No flora species present that indicate seasonal inundation occurs at site.							
Salinity indicators:		None present							
Termite mounds:		Scattered; small towers; <50cm							
Vegetation condition:		Good Some drought affected vegetation; no weeds; low pastoral impacts; no erosion; not previously cleared; recovering from fire							
Vegetation description:		Open shrubland ( <i>Acacia lysiphloia</i> and <i>Petalostigma nummularium</i> ) over spinifex with occasional low tree ( <i>Corymbia opaca</i> )							
Vegetation		Upper stratum		Mid stratum		Ground stratum			
Structural formation:		Scattered to sparse trees		Low open shrubland		Hummock grassland			
% cover:		1%		5%		20%			
Height range (m):		5 – 7m		1 – 2m		0.2 – 0.4m			
Average height (m):		5m		1.5m		0.2m			
Dominant species #:		<i>Corymbia opaca</i> (c2)		<i>Acacia lysiphloia</i> (c4) <i>Petalostigma nummularium</i> (c3) <i>Brachychiton multicaulis</i> (c2)		<i>Triodia pungens</i> (c5)			
Other species #:		-		<i>Corymbia opaca</i> (mallee'd) (c3) <i>Acacia stipuligera</i> (c3) <i>Keraudrenia nephrosperma</i> (c2) <i>Grevillea refracta</i> (c1) <i>Eremophila latrobei</i> (c1) <i>Croton aridus</i> (c1) <i>Petalostylis cassioides</i> (c1) <i>Hakea arborescens</i> (c1)		<i>Aristida holathera</i> (c2) <i>Leptosema anomalum</i> (c3) <i>Corchorus sidoides</i> (c2) <i>Scaevola parvifolia</i> (c2) <i>Tinospora smilacina</i> (c2) <i>Cullen martini</i> (c2) <i>Evolvulus alsinoides</i> (c2) <i>Aristida latifolia</i> (c1) <i>Hibiscus leptocladus</i> (c1) <i>Senna curvistyla</i> (c1)			
# Cover category key:		c1 = <5% cover with 1 to 5 individuals; c2 = <5% cover with 6 to 50 individuals; c3 = <5% cover with >50 individuals; c4 = 5 – 9% cover; c5 = 10 to 29% cover; c6 = 30 to 69% cover; c7 = <70% cover							
Soil horizon data									
Horizon	Depth (mm)	Colour	Texture / structure	Mottles	Coarse fragments % and size	Moisture content (estimate)	Photo		
A1	0 - 100	Orange brown	Loose / loamy sand	No	100% fine	Dry			
B1	100 - 1000	Brown	Loose / sandy loam	No	100% fine	Dry			

REFERENCE SITE 62    LAND TYPE A    Latitude: -18.213876    Longitude: 133.416662    (GDA94)



## APPENDIX D FLORA SPECIES LIST

Scientific name	Family	Lifeform code*
<i>Acacia adsurgens</i>	FABACEAE	tr/sh
<i>Acacia coleii</i>	FABACEAE	tr/sh
<i>Acacia elachantha</i>	FABACEAE	sh
<i>Acacia hemignosta</i>	FABACEAE	tr/sh
<i>Acacia lysiphloia</i>	FABACEAE	sh
<i>Acacia sericophylla</i>	FABACEAE	tr/sh
<i>Acacia stipuligera</i>	FABACEAE	sh
<i>Aristida holathera</i>	POACEAE	gr
<i>Aristida hygrometrica</i>	POACEAE	gr
<i>Aristida latifolia</i>	POACEAE	gr
<i>Atalaya hemiglauca</i>	SAPINDACEAE	tr
<i>Bauhinia cunninghamii</i>	FABACEAE	tr/sh
<i>Boerhavia coccinea</i>	NYCTAGINACEAE	fo
<i>Bonamia media var. media</i>	CONVOLVULACEAE	fo
<i>Brachychiton multicaulis</i>	MALVACEAE	sh
<i>Capparis mitchellii</i>	CAPPARACEAE	tr/sh
<i>Capparis sp.</i>	CAPPARACEAE	tr/sh
<i>Carissa spicatum</i> (formerly <i>Carissa lanceolata</i> )	APOCYNACEAE	sh
<i>Cassytha filiformis</i>	LAURACEAE	vn/pr
<i>Chrysopogon fallax</i>	POACEAE	gr
<i>Cleome viscosa</i>	CLEOMACEAE	fo
<i>Corchorus sidoides</i>	MALVACEAE	sh/fo
<i>Corymbia aparrerinja</i>	MYRTACEAE	tr
<i>Corymbia flavescens</i>	MYRTACEAE	tr
<i>Corymbia opaca</i>	MYRTACEAE	tr
<i>Corymbia setosa</i>	MYRTACEAE	tr
<i>Crotalaria novae-hollandiae</i>	FABACEAE	sh/fo
<i>Croton aridus</i>	EUPHORBIACEAE	sh
<i>Cucumis maderaspatanus</i>	CUCURBITACEAE	vn
<i>Cullen martinii</i>	FABACEAE	sh
<i>Ehretia saligna</i>	BORAGINACEAE	tr/sh
<i>Eremophila latrobei</i>	SCROPHULARIACEAE	sh
<i>Eremophila longifolia</i>	SCROPHULARIACEAE	sh
<i>Eriachne obtusa</i> sp. Tall broad inflorescence	POACEAE	gr
<i>Eucalyptus pruinosa</i>	MYRTACEAE	tr/sh
<i>Eulalia aurea</i>	POACEAE	gr
<i>Evolvulus alsinoides</i>	CONVOLVULACEAE	fo
<i>Fimbristylis dichotoma</i>	CYPERACEAE	se
<i>Grevillea refracta</i>	PROTEACEAE	sh
<i>Grevillea wickhamii</i>	PROTEACEAE	sh

Scientific name	Family	Lifeform code*
<i>Hakea arborescens</i>	PROTEACEAE	tr/sh
<i>Hakea chordophylla</i>	PROTEACEAE	tr/sh
<i>Heliotropium sp.</i>	BORAGINACEAE	fo
<i>Hibiscus leptocladus</i>	MALVACEAE	sh
<i>Indigofera linifolia</i>	FABACEAE	fo
<i>Keraudrenia nephrosperma</i>	MALVACEAE	sh
<i>Leptosema anomalum</i>	FABACEAE	sh/fo
<i>Marsdenia australis</i>	APOCYNACEAE	vn
<i>Melaleuca glomerata</i>	MYRTACEAE	sh
<i>Melaleuca nervosa</i>	MYRTACEAE	tr/sh
<i>Melaleuca viridiflora</i>	MYRTACEAE	tr
<i>Mirbelia viminalis</i>	FABACEAE	sh
<i>Oldenlandia sp.</i> (likely <i>O. mitrasacmoides</i> )	RUBIACEAE	fo
<i>Owenia reticulata</i>	MELIACEAE	tr
<i>Paraneurachne muelleri</i>	POACEAE	gr
<i>Petalostigma nummularium</i>	PICRODENDRACEAE	tr/sh
<i>Petalostylis cassioides</i>	FABACEAE	sh
<i>Premna acuminata</i>	LAMIACEAE	sh
<i>Ptilotus calostachyus</i>	AMARANTHACEAE	fo
<i>Ptilotus fusiformis</i>	AMARANTHACEAE	fo
<i>Ptilotus polystachyus</i>	AMARANTHACEAE	fo
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	GOODENIACEAE	sh/fo
<i>Scaevola sp.</i> ( <i>S. ambylanthera</i> or <i>S. ovalifolia</i> )	GOODENIACEAE	sh/fo
<i>Senna curvistyla</i>	FABACEAE	sh/fo
<i>Senna notabilis</i>	FABACEAE	sh
<i>Sida arenicola</i>	MALVACEAE	sh
<i>Sida sp.</i>	MALVACEAE	sh/fo
<i>Solanum sp.</i>	SOLANACEAE	sh/fo
<i>Spermacoce hillii</i>	RUBIACEAE	fo
<i>Streptoglossa sp.</i> (likely <i>liatroides</i> )	ASTERACEAE	fo
<i>Tephrosia sp.</i> Kimberley Flora	FABACEAE	sh/fo
<i>Themeda avenacea</i>	POACEAE	gr
<i>Tinospora smilacina</i>	MENISPERMACEAE	vn
<i>Tribulopsis angustifolia</i>	ZYGOPHYLLACEAE	he
<i>Triodia pungens</i>	POACEAE	gr
<i>Waltheria indica</i>	MALVACEAE	sh/fo
<i>Wrightia saligna</i>	APOCYNACEAE	tr

\* fo = forb, gr = grass, he = herb, se = sedge, sh = shrub, tr = tree, vn = vine