

# SUPPLEMENTARY INFORMATION

## Dating of Bush Turkey Rockshelter 3 in the Calvert Ranges establishes Early Holocene Occupation of the Little Sandy Desert, Western Australia

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**Table S1** Bush Turkey Rockshelter 3: Artefact raw materials and cortex. FGS = Fine-grained siliceous.

Material	0%	<30%	31-69%	>70%	Total	% with Cortex
Chalcedony	161	6	3	2	172	6.4
Quartzite	115	20	12	19	166	30.7
Silcrete	52	2	0	0	54	3.7
Quartz	19	7	6	5	37	48.6
FGS	7	0	1	3	11	36
Chert	6	1	1	2	10	40
Sandstone	4	0	0	0	4	0
Silicified Wood	1	0	0	0	1	0
Unidentified	9	2	0	0	11	0

**Table S2** Bush Turkey Rockshelter 3: Artefact raw materials and indicative flaking quality. FGS = Fine-grained siliceous.

Material	Poor–Medium	Medium	Medium–High	High	Total	NA	% Good
Chalcedony	2	0	22	148	172	0	86.0
Quartzite	38	59	56	12	165	1	7.3
Silcrete	5	3	13	33	54	0	61.1
Quartz	6	10	16	5	37	0	13.5
FGS	0	4	5	2	11	0	0
Chert	0	1	4	5	10	0	0
Sandstone	4	0	0	0	4	0	0
Silicified Wood	0	0	1	0	1	0	0
Unidentified	2	4	2	0	8	3	0

**Table S3** Bush Turkey Rockshelter 3: Numbers of excavated artefacts per spit calculated as a relative volumetric total (artefacts excavated per cubic metre).

Spit	BTA	BTB	Artefact Total	Combined Excavated Deposit (m <sup>3</sup> )	Calculated Artefacts/m <sup>3</sup>
1	3	9	12	0.140	187.50
2	6	16	22	0.160	275.00
3	8	4	12	0.120	200.00
4	9	19	28	0.120	466.67
5	21	14	35	0.100	753.46
6	13	26	39	0.136	604.39
7	25	45	70	0.143	1051.66
8	29	49	78	0.138	1188.46
9	11	19	30	0.124	488.54
10	29	25	54	0.118	916.09
11	22	13	35	0.138	533.33
12	0	9	9	0.117	157.89
13	0	7	7	0.117	122.81
14	0	7	7	0.117	122.81
15	0	1	1	0.044	22.99
16	0	6	6	0.047	129.03
17	0	3	3	0.078	38.71
18	0	1	1	0.078	12.90
19	0	5	5	0.078	64.52
20	0	3	3	0.073	41.38
21	0	5	5	0.047	107.53
22	0	0	0	0.047	0
23	0	3	3	0.062	48.39
24	0	1	1	0.093	10.75