

Chronological trends in late Holocene shell mound construction across northern Australia:

Insights from Albatross Bay, Cape York Peninsula

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Site No.	Alternate ID	Laboratory Code	Catchment	Substrate	Morphology	Length (m)	Width (m)	Height (m)	Reference
US:1		ANU-4419	Mission River	Coastal Plain	Dome	30.00	30.00	1.00	Stone (1995)
US:2		ANU-4433	Hey River	Mangroves	Elongated	80.00	30.00	3.50	Stone (1995)
US:2		ANU-4434	Hey River	Mangroves	Elongated	80.00	30.00	3.50	Stone (1995)
US:3		ANU-4434	Hey River	Mangroves	Dome	8.00	4.00	1.00	Stone (1995)
US:4		ANU-4435	Hey River	Bauxite Plateau	Conical	40.00	40.00	4.00	Stone (1995)
US:5		ANU-4437	Pine River	Bauxite Plateau	Composite	129.00	21.00	0.30	Stone (1995)
US:6		ANU-4441	Hey River	Bauxite Plateau	Dome	10.00	8.00	0.50	Stone (1995)
US:7		ANU-4440	Hey River	Dune/Sand Ridge	Elongated	63.00	15.00	0.50	Stone (1995)
US:8		ANU-4439	Hey River	Dune/Sand Ridge	Elongated	103.00	32.00	0.50	Stone (1995)
US:9		ANU-4438	Pine River	Coastal Plain	Conical	36.00	30.00	6.00	Stone (1995)
SM:9	M39	ANU-8783	Hey River	Coastal Plain	Conical	36.00	30.00	6.00	Bailey et al. (1994)
SM:9	M39	ANU-8784	Hey River	Coastal Plain	Conical	36.00	30.00	6.00	Bailey et al. (1994)
SM:13	M39b	ANU-8772	Hey River	Mangroves	Truncated	20.00	15.00	5.00	Bailey et al. (1994)
SM:13	M39b	ANU-8773	Hey River	Mangroves	Truncated	20.00	15.00	5.00	Bailey et al. (1994)
SM:17	M37	ANU-8782	Hey River	Coastal Plain	Composite	100.00	45.00	10.00	Bailey et al. (1994)
SM:21	M34	ANU-8774	Hey River	Bauxite Plateau	Dome	15.00	12.00	2.00	Bailey et al. (1994)
SM:42		ANU-8770	Hey River	Coastal Plain	Composite	200.00	55.00	10.00	Bailey et al. (1994)
SM:86		Wk-13787	Mission River	Dune/Sand Ridge	Dome	25.00	15.00	0.50	Morrison unpublished data
SM:88		Wk-14508	Mission River	Dune/Sand Ridge	Dome	18.00	13.00	0.75	Morrison unpublished data
SM:88		Wk-14509	Mission River	Dune/Sand Ridge	Dome	18.00	13.00	0.75	Morrison unpublished data

Appendix 1 Site context data, Weipa C14 database. Continued overleaf.

Site No.	Alternate ID	Laboratory Code	Catchment	Substrate	Morphology	Length (m)	Width (m)	Height (m)	Reference
SM:90		Wk-14506	Mission River	Dune/Sand Ridge	Dome	28.00	15.00	0.70	Morrison unpublished data
SM:91		Wk-13788	Mission River	Dune/Sand Ridge	Dome	28.00	15.00	0.70	Morrison unpublished data
SM:92		Wk-14507	Mission River	Dune/Sand Ridge	Elongated	30.00	10.00	1.40	Morrison unpublished data
SM:93		Wk-11861	Mission River	Dune/Sand Ridge	Elongated	50.00	30.00	1.80	Morrison unpublished data
SM:93		Wk-11862	Mission River	Dune/Sand Ridge	Elongated	50.00	30.00	1.80	Morrison unpublished data
SM:93		Wk-11863	Mission River	Dune/Sand Ridge	Elongated	50.00	30.00	1.80	Morrison unpublished data
SM:96	M509	ANU-4408	Mission River	Dune/Sand Ridge	Elongated	40.00	23.00	2.00	Stone (1995)
SM:96	M509	ANU-4409	Mission River	Dune/Sand Ridge	Elongated	40.00	23.00	2.00	Stone (1995)
SM:96	M509	ANU-4410	Mission River	Dune/Sand Ridge	Elongated	40.00	23.00	2.00	Stone (1995)
SM:96	M509	ANU-8775a	Mission River	Dune/Sand Ridge	Elongated	40.00	23.00	2.00	Bailey et al. (1994)
SM:96	M509	ANU-8775b	Mission River	Dune/Sand Ridge	Elongated	40.00	23.00	2.00	Bailey et al. (1994)
SM:96	M509	ANU-8785	Mission River	Dune/Sand Ridge	Elongated	40.00	23.00	2.00	Bailey et al. (1994)
SM:114		Wk-12161	Mission River	Bauxite Plateau	Non-mounded	75.00	30.00	0.20	Morrison unpublished data
SM:115		Wk-12160	Mission River	Bauxite Plateau	Non-mounded	18.00	10.00	0.20	Morrison unpublished data
SM:116		Wk-12159	Mission River	Bauxite Plateau	Non-mounded	7.00	13.00	0.00	Morrison unpublished data
SM:123		Wk-12158	Mission River	Bauxite Plateau	Scatter	1.30	1.30	0.00	Morrison unpublished data
SM:126		Wk-12156	Mission River	Bauxite Plateau	Dome	15.00	6.00	0.30	Morrison unpublished data
SM:126		Wk-12157	Mission River	Bauxite Plateau	Dome	15.00	6.00	0.30	Morrison unpublished data
SM:136		Wk-13785	Mission River	Bauxite Plateau	Dome	18.00	14.00	0.50	Morrison unpublished data
SM:137		Wk-12155	Mission River	Bauxite Plateau	Dome	6.00	9.00	0.30	Morrison unpublished data
SM:140		Wk-13786	Mission River	Bauxite Plateau	Dome	8.00	16.00	0.30	Morrison unpublished data
SM:147		ANU-4421	Mission River	Bauxite Plateau	Elongated	75.00	15.00	1.50	Stone (1995)
SM:147		Wk-13784	Mission River	Bauxite Plateau	Elongated	75.00	15.00	1.50	Unpublished
SM:159		ANU-4430	Mission River	Bauxite Plateau	Composite	40.00	25.00	0.80	Stone (1995)
SM:159		ANU-4431	Mission River	Bauxite Plateau	Composite	40.00	25.00	0.80	Stone (1995)
SM:160		ANU-4429	Mission River	Bauxite Plateau	Truncated	25.00	18.00	1.30	Stone (1995)
SM:161		ANU-4427	Mission River	Bauxite Plateau	Dome	15.00	15.00	0.80	Stone (1995)

Appendix 1 continued. Continued overleaf.

Site No.	Alternate ID	Laboratory Code	Catchment	Substrate	Morphology	Length (m)	Width (m)	Height (m)	Reference
SM:161		ANU-4428	Mission River	Bauxite Plateau	Dome	15.00	15.00	0.80	Stone (1995)
SM:166		ANU-4423	Mission River	Coastal Plain	Composite	45.00	30.00	3.00	Stone (1995)
SM:166		ANU-4424	Mission River	Coastal Plain	Composite	45.00	30.00	3.00	Stone (1995)
SM:171		ANU-4425	Mission River	Bauxite Plateau	Dome	15.00	25.00	1.50	Stone (1995)
SM:171		ANU-4426	Mission River	Bauxite Plateau	Dome	15.00	25.00	1.50	Stone (1995)
SM:185		ANU-4416	Mission River	Coastal Plain	Composite	70.00	30.00	4.00	Stone (1995)
SM:186		ANU-4417	Mission River	Coastal Plain	Dome	15.00	15.00	0.60	Stone (1995)
SM:186		ANU-4418	Mission River	Coastal Plain	Dome	15.00	15.00	0.60	Stone (1995)
SM:187		ANU-4411	Mission River	Coastal Plain	Composite	65.00	35.00	5.00	Stone (1995)
SM:189		ANU-4412	Mission River	Coastal Plain	Dome	45.00	28.00	4.00	Stone (1995)
SM:190		ANU-4414	Mission River	Coastal Plain	Dome	26.00	31.00	3.00	Stone (1995)
SM:193		ANU-4413	Mission River	Dune/Sand Ridge	Dome	24.00	13.00	0.50	Stone (1995)
SM:193		ANU-4415	Mission River	Dune/Sand Ridge	Dome	24.00	13.00	0.50	Stone (1995)
SM:196		ANU-4420	Mission River	Dune/Sand Ridge	Dome	0.00	0.00	0.50	Stone (1995)
SM:217		Wk-16362	Embley River	Dune/Sand Ridge	Dome	40.00	30.00	1.20	Morrison (2005)
SM:217		Wk-16363	Embley River	Dune/Sand Ridge	Dome	40.00	30.00	1.20	Morrison (2005)
SM:217		Wk-16364	Embley River	Dune/Sand Ridge	Dome	40.00	30.00	1.20	Morrison (2005)
SM:341	WP-SM-66	Wk-28972	Embley River	Bauxite Plateau	Elongated	14.37	10.79	1.03	Shiner et al. (2013)
SM:341	WP-SM-66	Wk-28970	Embley River	Bauxite Plateau	Elongated	14.37	10.79	1.03	Shiner et al. (2013)
SM:341	WP-SM-66	Wk-28969	Embley River	Bauxite Plateau	Elongated	14.37	10.79	1.03	Shiner et al. (2013)
SM:351	WP-SM-75	Wk-28976	Embley River	Ridge on Coastal Plain	Dome	22.99	15.58	1.58	Shiner et al. (2013)
SM:351	WP-SM-75	Wk-28975	Embley River	Ridge on Coastal Plain	Dome	22.99	15.58	1.58	Shiner et al. (2013)
SM:351	WP-SM-75	Wk-28974	Embley River	Ridge on Coastal Plain	Dome	22.99	15.58	1.58	Shiner et al. (2013)
SM:351	WP-SM-75	Wk-28973	Embley River	Ridge on Coastal Plain	Dome	22.99	15.58	1.58	Shiner et al. (2013)
SM:353	WP-SM-76	Wk-28984	Embley River	Bauxite Plateau	Elongated	23.04	14.97	2.04	Shiner et al. (2013)
SM:353	WP-SM-76	Wk-28979	Embley River	Bauxite Plateau	Elongated	23.04	14.97	2.04	Shiner et al. (2013)
SM:353	WP-SM-76	Wk-28978	Embley River	Bauxite Plateau	Elongated	23.04	14.97	2.04	Shiner et al. (2013)

Appendix 1 continued. Continued overleaf.

Site No.	Alternate ID	Laboratory Code	Catchment	Substrate	Morphology	Length (m)	Width (m)	Height (m)	Reference
SM:354	WP-SM-77	Wk-28991	Embley River	Bauxite Plateau	Elongated	43.41	15.21	2.35	Shiner et al. (2013)
SM:354	WP-SM-77	Wk-28990	Embley River	Bauxite Plateau	Elongated	43.41	15.21	2.35	Shiner et al. (2013)
SM:354	WP-SM-77	Wk-28988	Embley River	Bauxite Plateau	Elongated	43.41	15.21	2.35	Shiner et al. (2013)
SM:393	Kwamter Mound	I-1738	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Wright (1971)
SM:393	Kwamter Mound	I-1737	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Wright (1971)
SM:393	Kwamter Mound	SUA-147	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Bailey (1977)
SM:393	Kwamter Mound	SUA-148	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Bailey (1977)
SM:393	Kwamter Mound	SUA-149	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Bailey (1977)
SM:393	Kwamter Mound	ANU-8021	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8022	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8023	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8024	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8025	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8026	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8027	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8028	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8029	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:393	Kwamter Mound	ANU-8030	Embley River	Bauxite Plateau	Unknown	100.00	40.00	3.00	Stone (1995)
SM:396		ANU-4432	Hey River	Coastal Plain	Unknown	70.00	48.00	13.00	Stone (1995)

Appendix 1 continued.

Site No.	Laboratory Code	CRA (BP)	d13C (‰)	Calibrated Range (2σ cal. BP)	Relative Position	Sample Information
US:1	ANU-4419	1460±60	-2.8	1121–1254	Upper	<i>A. granosa</i> ; surface
US:2	ANU-4433	1390±80	-3.8	1049–1235	Upper	<i>A. granosa</i> ; surface
US:2	ANU-4436	1330±80	-2.7	795–1170	Upper	<i>A. granosa</i> ; surface
US:3	ANU-4434	1790±90	-3.4	1269–1658	Upper	<i>A. granosa</i> ; surface
US:4	ANU-4435	1520±80	-3.5	1178–1325	Upper	<i>A. granosa</i> ; surface
US:5	ANU-4437	270±70	-3.9		Upper	<i>A. granosa</i> ; surface
US:6	ANU-4441	800±70	-3.6	400–644	Upper	<i>A. granosa</i> ; surface
US:7	ANU-4440	220±50	-5.2		Upper	<i>A. granosa</i> ; surface
US:8	ANU-4439	500±70	3.8	1–413	Upper	<i>A. granosa</i> ; surface
US:9	ANU-4438	960±60	-3.7	522–728	Upper	<i>A. granosa</i> ; surface

Appendix 2 Weipa C14 database showing sampling information, age determinations and calibration results. Note: Calibrated with Calib 6.10 (Stuiver et al. 2005) using data from IntCal13/SHCal13 and Marine13 calibration curves (Hogg et al. 2013; Reimer et al. 2013) with a ΔR value of -103±16 radiocarbon years (Ulm et al. in press) applied. Continued overleaf.

Site No.	Laboratory Code	CRA (BP)	d13C (‰)	Calibrated Range (2σ cal. BP)	Relative Position	Sample Information
SM:9	ANU-8783	790±70	0	381–640	Upper	<i>A. granosa</i> ; surface
SM:9	ANU-8784	1120±70	0	651–910	Lower	<i>A. granosa</i> ; base (flank)
SM:13	ANU-8772	1570±70	0	1060–1361	Upper	<i>A. granosa</i> ; surface
SM:13	ANU-8773	1560±60	0	1071–1332	Lower	<i>A. granosa</i> ; base (flank)
SM:17	ANU-8782	1940±90	0	1389–1829	Lower	<i>A. granosa</i> ; base (flank)
SM:21	ANU-8774	2700±110	0	2283–2786	Lower	<i>A. granosa</i> ; base (flank)
SM:42	ANU-8770	870±80	0	448–685	Lower	<i>A. granosa</i> ; base (flank)
SM:86	Wk-13787	738±40	-1.7	381–539	Lower	<i>A. granosa</i> ; 30 cm bs
SM:88	Wk-14508	633±38	-1.6	289–463	Upper	<i>A. granosa</i> ; 21 cm bs
SM:88	Wk-14509	780±35	-1.5	431–560	Lower	<i>A. granosa</i> ; 65 cm bs
SM:90	Wk-14506	980±32	-1.8	559–708	Lower	<i>A. granosa</i> ; 40 cm bs
SM:91	Wk-13788	469±43	-1.7	1–4	Upper	<i>A. granosa</i> ; 25 cm bs
SM:92	Wk-14507	898±37	-1.5	518–649	Lower	<i>A. granosa</i> ; 75 cm bs
SM:93	Wk-11861	1096±42	-1.9	658–859	Lower	<i>A. granosa</i> ; 97 cm bs
SM:93	Wk-11862	901±42	-2.0	515–654		<i>A. granosa</i> ; 63 cm bs
SM:93	Wk-11863	853±46	-1.6	487–636	Upper	<i>A. granosa</i> ; 23 cm bs
SM:96	ANU-4408	790±60	-1.6	412–628		<i>A. granosa</i> ; middle
SM:96	ANU-4409	760±75	-2.0	324–616	Lower	<i>A. granosa</i> ; basal
SM:96	ANU-4410	360±100	-1.5	1–276	Upper	<i>A. granosa</i> ; surface
SM:96	ANU-8775a	790±110	0	297–664	Lower	<i>A. granosa</i> ; base
SM:96	ANU-8775b	1060±130	0	1220–1257	Lower	Charcoal; base
SM:96	ANU-8785	890±70	0	479–681	Upper	<i>A. granosa</i> ; surface
SM:114	Wk-12161	816±47	-1.7	458–622	Lower	<i>A. granosa</i> ; 17 cm bs
SM:115	Wk-12160	740±61	-1.7	311–561	Lower	<i>A. granosa</i> ; 4 cm bs
SM:116	Wk-12159	820±60	-2.0	444–637	Lower	<i>A. granosa</i> ; 25 cm bs
SM:123	Wk-12158	603±49	-1.9	264–457		<i>A. granosa</i> ; 3.5 cm bs
SM:126	Wk-12156	938±53	-2.0	518–693	Upper	<i>A. granosa</i> ; 2 cm bs
SM:126	Wk-12157	896±55	-2.3	501–663	Lower	<i>A. granosa</i> ; 19 cm bs
SM:136	Wk-13785	715±41	-2.2	334–520	Lower	<i>A. granosa</i> ; 25 cm bs
SM:137	Wk-12155	1475±47	-2.1	1013–1255	Lower	<i>A. granosa</i> ; 20 cm bs
SM:140	Wk-13786	917±41	-2.1	523–662	Lower	<i>A. granosa</i> ; 20 cm bs
SM:147	ANU-4421	970±60	-1.1	526–740	Lower	<i>A. granosa</i> ; basal
SM:147	Wk-13784	1528±41	-1.2	1081–1280	Lower	<i>A. granosa</i> ; 130 cm bs
SM:159	ANU-4430	1800±80	-2.3	1282–1638	Lower	<i>A. granosa</i> ; basal
SM:159	ANU-4431	1580±70	-2.3	1069–1373	Upper	<i>A. granosa</i> ; surface
SM:160	ANU-4429	2010±80	-3.4	1508–1890	Lower	<i>A. granosa</i> ; basal
SM:161	ANU-4427	2100±80	-2.3	1587–1993	Lower	<i>A. granosa</i> ; basal
SM:161	ANU-4428	1810±80	-4.3	1291–1653	Upper	<i>A. granosa</i> ; surface
SM:166	ANU-4423	870±70	-2.4	468–668	Lower	<i>A. granosa</i> ; basal
SM:166	ANU-4424	630±60	-4.3	270–483		<i>A. granosa</i> ; middle
SM:171	ANU-4425	2070±60	-3.5	1600–1916	Lower	<i>A. granosa</i> ; basal
SM:171	ANU-4426	720±60	-2.7	309–537		<i>A. granosa</i> ; middle
SM:185	ANU-4416	180±50	-3.4		Upper	<i>A. granosa</i> ; surface
SM:186	ANU-4417	520±80	-3.6	1–9	Lower	<i>A. granosa</i> ; basal
SM:186	ANU-4418	770±70	-2.0	335–623	Upper	<i>A. granosa</i> ; surface

Appendix 2 continued. Continued overleaf.

Site No.	Laboratory Code	CRA (BP)	$\delta^{13}\text{C}$ (‰)	Calibrated Range (2 σ cal. BP)	Relative Position	Sample Information
SM:187	ANU-4411	580±70	-2.4	146–474	Upper	<i>A. granosa</i> ; surface
SM:189	ANU-4412	710±75	-2.3	285–550	Upper	<i>A. granosa</i> ; surface
SM:190	ANU-4414	1250±80	-2.5	711–1075	Upper	<i>A. granosa</i> ; surface
SM:193	ANU-4413	1420±80	-2.9	1079–1248	Lower	<i>A. granosa</i> ; basal
SM:193	ANU-4415	1210±60	-3.8	710–979	Upper	<i>A. granosa</i> ; surface
SM:196	ANU-4420	710±60	-3.0	305–529	Upper	<i>A. granosa</i> ; surface
SM:217	Wk-16362	708±35	-2.2	335–512	Upper	<i>A. granosa</i> ; 3.5 cm bs
SM:217	Wk-16363	784±35	-1.3	433–565		<i>A. granosa</i> ; 43.5 cm bs
SM:217	Wk-16364	1167±35	-1.3	722–906	Lower	<i>A. granosa</i> ; 77 cm bs
SM:341	Wk-28972	2726±39	-2.5	2438–2713	Lower	<i>A. granosa</i> ; 90 cm bs
SM:341	Wk-28970	2684±29	-2.1	2390–2674		<i>A. granosa</i> ; 70 cm bs
SM:341	Wk-28969	2590±39	-2.0	2291–2545	Upper	<i>A. granosa</i> ; 20 cm bs
SM:351	Wk-28976	1824±37	-2.2	1364–1578	Lower	<i>A. granosa</i> ; 125 cm bs
SM:351	Wk-28975	1884±29	-2.6	1437–1658		<i>A. granosa</i> ; 85 cm bs
SM:351	Wk-28974	1800±28	-2.7	1358–1533		<i>A. granosa</i> ; 60 cm bs
SM:351	Wk-28973	1359±37	-3.3	1009–1121	Upper	<i>A. granosa</i> ; 25 cm bs
SM:353	Wk-28984	2693±39	-2.2	2385–2688	Lower	<i>A. granosa</i> ; 145 cm bs
SM:353	Wk-28979	2607±33	-2.4	2308–2561		<i>A. granosa</i> ; 450 cm bs
SM:353	Wk-28978	2485±38	-3.2	2138–2347	Upper	<i>A. granosa</i> ; 18 cm bs
SM:354	Wk-28991	2772±37	-2.1	2498–2737	Lower	<i>A. granosa</i> ; 185 cm bs
SM:354	Wk-28990	2708±37	-1.9	2414–2699		<i>A. granosa</i> ; 160 cm bs
SM:354	Wk-28988	2659±35	-2.4	2350–2650	Upper	<i>A. granosa</i> ; 85 cm bs
SM:393	I-1738	810±105	0	554–906	Lower	Charcoal; base
SM:393	I-1737	235±110	0	1–452	Upper	Charcoal; surface
SM:393	SUA-147	710±100	0	508–769	Upper	Charcoal; 35 cm bs
SM:393	SUA-148	855±80	0	573–916		Charcoal; 150 cm bs
SM:393	SUA-149	1180±80	0	1049–1269	Lower	Charcoal; 295 cm bs
SM:393	ANU-8021	630±40	-2.0	286–463	Upper	<i>A. granosa</i> ; 0 cm bs
SM:393	ANU-8022	670±70	-2.3	278–513		<i>A. granosa</i> ; 40 cm bs
SM:393	ANU-8023	1030±40	-1.8	619–776		<i>A. granosa</i> ; 70 cm bs
SM:393	ANU-8024	980±40	-1.6	553–719		<i>A. granosa</i> ; 100 cm bs
SM:393	ANU-8025	990±70	-1.6	526–783		<i>A. granosa</i> ; 140 cm bs
SM:393	ANU-8026	930±80	-1.8	488–739		<i>A. granosa</i> ; 170 cm bs
SM:393	ANU-8027	830±80	-0.8	413–666		<i>A. granosa</i> ; 200 cm bs
SM:393	ANU-8028	900±80	-1.4	472–712		<i>A. granosa</i> ; 230 cm bs
SM:393	ANU-8029	910±90	-1.7	461–744		<i>A. granosa</i> ; 270 cm bs
SM:393	ANU-8030	890±70	-1.1	479–681	Lower	<i>A. granosa</i> ; 300 cm bs
SM:396	ANU-4432	890±80	-3.3	464–702	Upper	<i>A. granosa</i> ; surface

Appendix 2 continued.