

Table S1. The AMS  $^{14}\text{C}$  dates and the calibrated ages (yr BP) (using CALIB 7.1) along with the associated age ranges for 1 and 2  $\sigma$ . Fig. 3 in the revised main article file shows the Depth vs Calib. Age with 2  $\sigma$  range.

LabID	Depth (cm)	$^{14}\text{C}$ age (yr BP)	$^{14}\text{C}$ age_Error( $\pm$ )	Calib. Age range (1 $\sigma$ ) (yr BP)	Calib. Age range (2 $\sigma$ ) (yrBP)	Calib.Age (Median probability) (yr BP)
AA83741	0	537	40	124-248	51-270	171
AA83742	101	749	30	335-345	305-462	391
AA83743	201	913	41	486-548	463-610	521
AA83744	301	1278	31	783-875	739-904	825
AA83745	401	1439	34	939-1027	907-1070	984
AA83746	501	1612	33	1143-1232	1080-1259	1183
AA83747	601	1788	33	1290-1359	1264-1403	1329
AA83748	701	1931	49	1409-1533	1353-1600	1478
AA83749	801	2104	40	1613-1737	1567-1800	1683
AA83750	901	2279	43	1829-1924	1770-2005	1890
AA90049	1101	3070	41	2771-2881	2744-2944	2836
AA90050	1205	3416	41	3232-3344	3166-3387	3286
AA90051	1305	3616	42	3453-3565	3397-3625	3513
AA90053	1505	4773	72	4931-5138	4850-5254	5044
AA90054	1604	5090	44	5399-5544	5321-5560	5453
AA90055	1704	6038	47	6392-6514	6331-6592	6456
AA90056	1805	7218	49	7621-7732	7578-7790	7680
AA90057	1905	8296	52	8771-8955	8656-8992	8849
AA90058	2005	9021	89	9556-9831	9497-10030	9721
AA90059	2105	10125	84	11036-11216	10862-11295	11120
AA90060	2205	10849	61	12239-12502	12090-12561	12356
AA90061	2305	12250	110	13564-13837	13447-13966	13707
AA90062	2405	12560	120	13872-14202	13746-14590	14065
AA90063	2508	13040	130	14712-15236	14268-15395	14945