

1 **Supplementary material**

2 **Table S1:** AMS radiocarbon dates used for the age-depth model of Lake Pindo. SUERC: lab code  
 3 (from NERC Radiocarbon Facility, East Kilbride); BS: Bulk sediment; W: Wood; WA: weighted  
 4 average.

Sample code	Depth (cm)	Sample type	Age (yr <sup>14</sup> C BP)	Age (cal yrs BP) 2σ	Age (cal yr BP) estimation (WA)
SUERC-54395	46	W	334 ± 42	289-470	373
SUERC-47634	117	W	974 ± 36	769-923	835
SUERC-47635	245	W	1973 ± 39	1812-1943	1868
SUERC-47569	329	W	2335 ± 37	2293-2361	2279
SUERC-47572	410	W	2829 ± 39	2781-2991	2916
SUERC-48854	461	BS	3974 ± 45	4241-4447	4336

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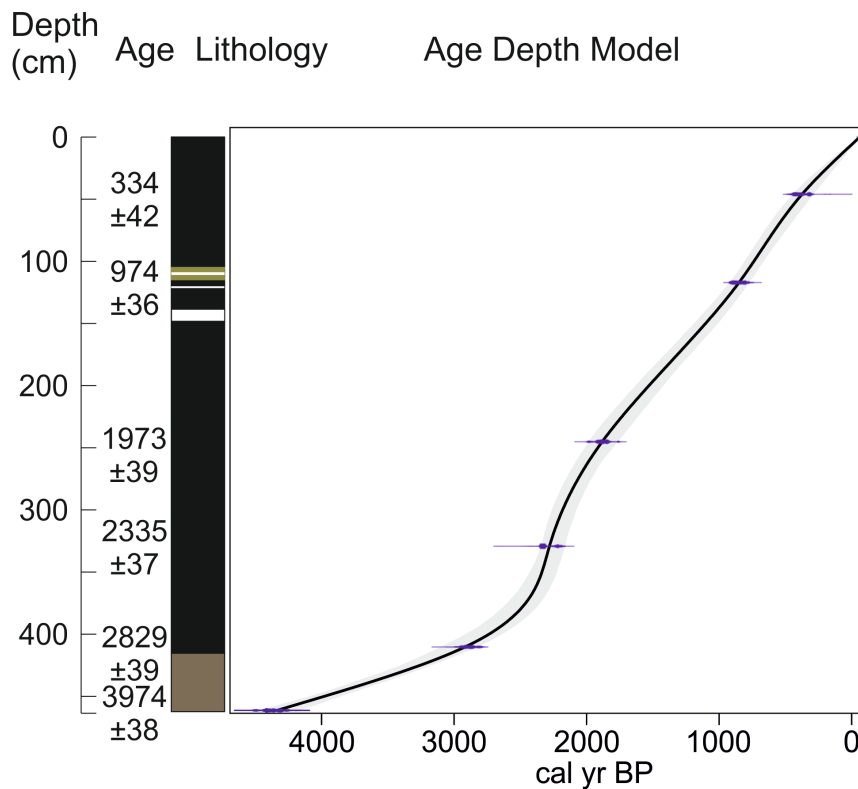
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19 **Figure S1.** Sediment description, radiocarbon dates (<sup>14</sup>C age) and age-depth models of Laguna  
 20 Pindo. Key colour for sediment descriptions: Black or dark brown = organic rich sediments  
 21 (peat and clay respectively); White = dark sandy intervals; Greenish = greenish sandy clay, not  
 22 compacted; Yellow = sediment gap (no sediment).