

Table 2. Youngest dates available for the sites examined containing YDB markers

YDB test sites	No. of dates	Black mat	Cal. B.P. \pm (1 σ)	¹⁴ C Date	\pm (1 σ)	Source
Blackwater Draw, NM	1	Yes	12982	11040	500	Ref. 1
Chobot, AB, CAN	1	Yes	\approx 13000	Archaeology	—	Ref. 2
Daisy Cave, CA (F3-I)	1	Yes	13090	11180	130	Ref. 3
Gainey, MI	1	No	12400	TL	—	Ref. 4
Lake Hind, MB, CAN	1	Yes	12755	10610	25	This study (UCIAMS 29317)
Lommel, Belgium	1	Yes	12943	10950	50	Ref. 5
Morley, AB, CAN	1	Yes	\approx 13000	Deglaciation	—	Ref. 6
Murray Springs, AZ	8	Yes	12916	10890	50	Ref. 1
Wally's Beach, AB, CAN	1	No	12966	10980	80	Ref. 7
Weighted average			12938		25	

In most cases, the sites were independently dated by other researchers, as noted under “Source,” and were calibrated by the authors using IntCal04 (8). Two sites were not previously radiocarbon dated: (i) Morley drumlin is constrained by the end of local deglaciation to \approx 13 ka; and (ii) the Chobot site is of Clovis age because of an abundance of Clovis artifacts, limiting the site's age, according to Waters and Stafford (9), to a minimum range of \approx 200 years between 13,125 to 12,925 cal. B.P. The average calibrated age of all sites analyzed is $12938 \pm .25$ B.P., which agrees closely with the GISP2 date of 12.9 ka (see SI Fig. 6). Seven of the 10 sites exhibit a black mat immediately overlying the YDB layer.

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6. Boyce JI, Eyles N (1991) *Geology* 19:787-790.

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8. Stuiver M, Reimer PJ (1993) *Radiocarbon* 35:215-230.
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