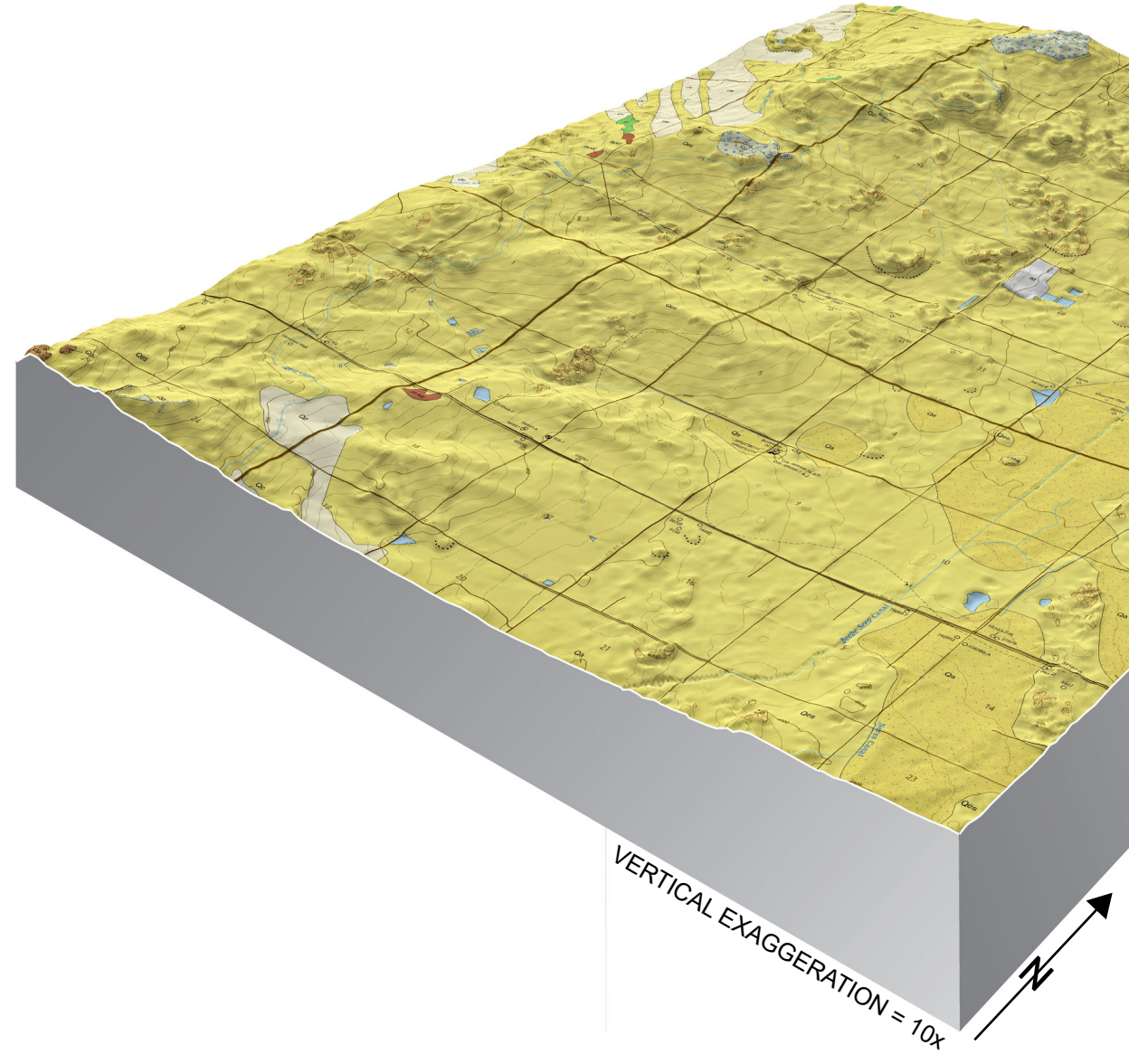
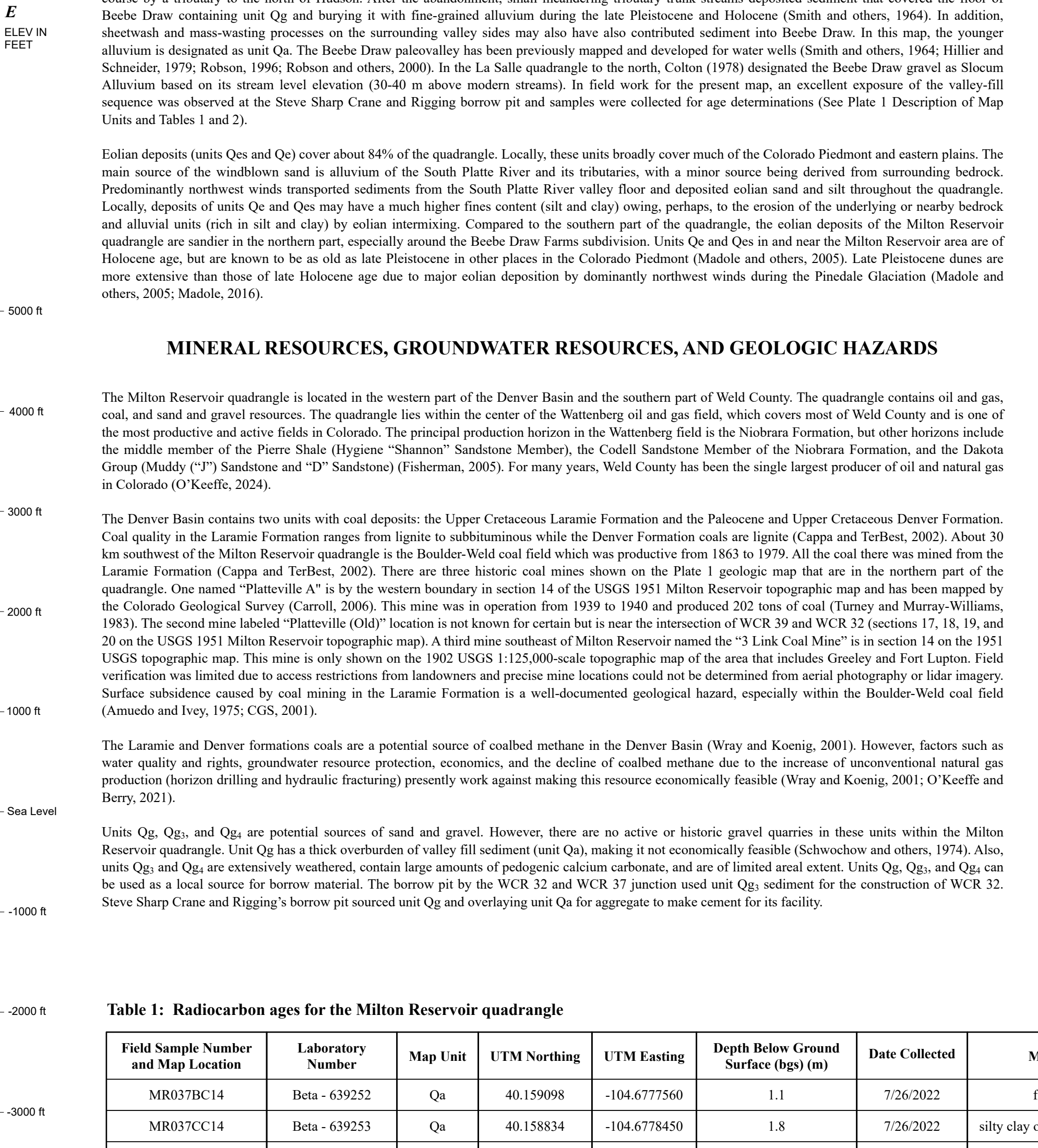


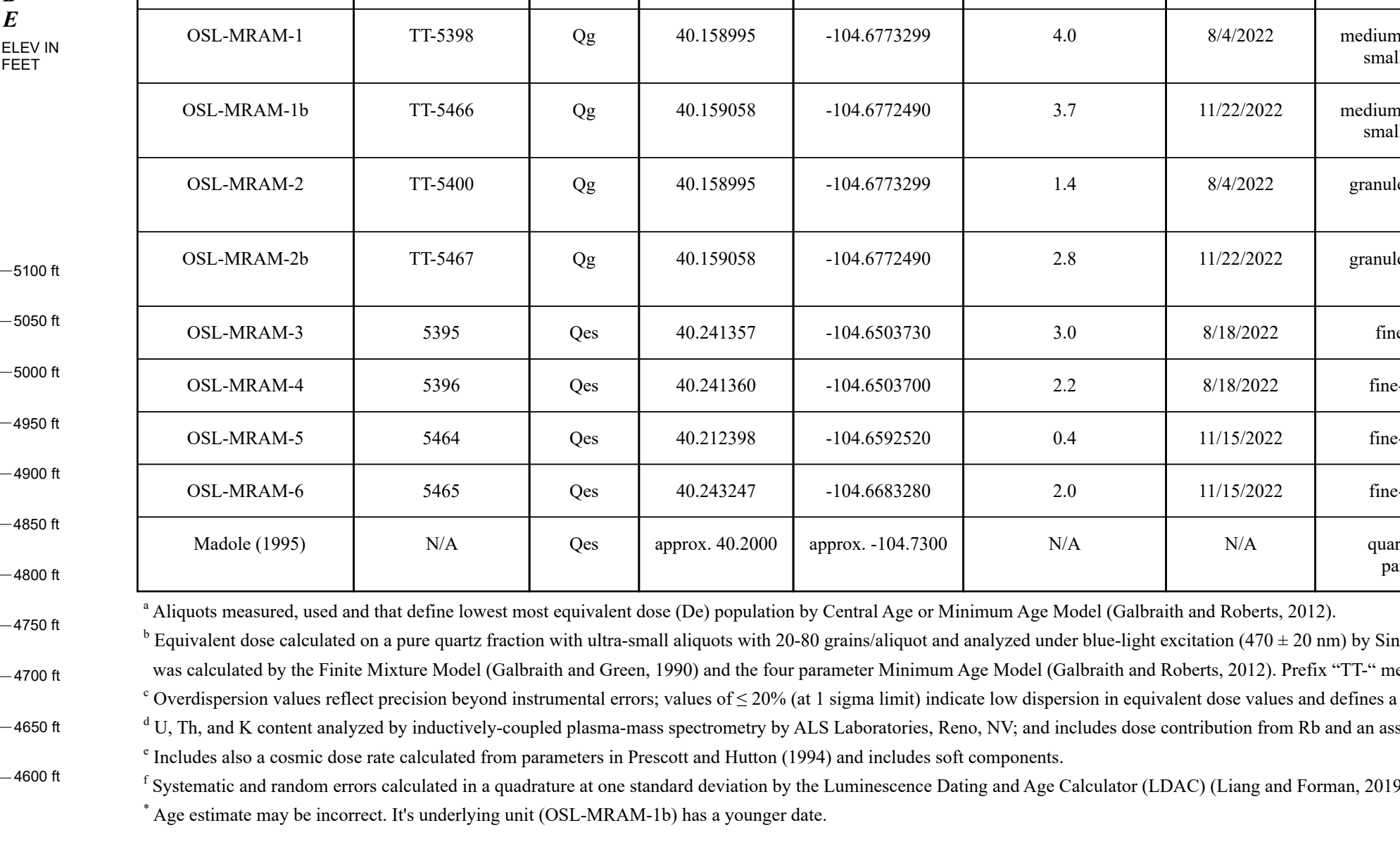
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By Alexander E. Mar  
2024

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Table 1: Radiocarbon ages for the Milton Reservoir quadrangle

Field Sample Number and Map Location	Laboratory Number	Map Unit	UTM Northing	UTM Easting	Depth Below Ground Surface (g) (m)	Date Collected	Material Analyzed	$\delta^{13}\text{C}$ (‰)	Radiocarbon Age (radiocarbon R.P.)	Calibrated Age (cal R.P.)
MR037BC14	Beta - 639252	Qv	40.159098	-104.677750	1.1	7/26/2002	fine-medium sand	-19.2	8,640 ± 30	8,560 ± 30
MR057CC14	Beta - 639253	Qv	40.158834	-104.677845	1.8	7/26/2002	silty clay or clayey silt with fine sand	-20.7	13,810 ± 4	13,880 ± 40
MR052C14	Beta - 639251	Qes	40.247708	-104.659650	2.0	8/18/2002	fine-course sand, slight organics	-22.8	360 ± 30	400 ± 30

<sup>3</sup> Calibrated range at 95.5% probability, using method of Ramsey (2009) and IntCAL13 data set (Reimer and others, 2013).

Table 2: Optically stimulated luminescence (OSL) ages for the Milton Reservoir quadrangle (Baylor University, Waco, Texas)

[illegible]

<sup>a</sup> Aliquot measured, used and the date of lowest most equivalent dose (De) population by Central Age of Minimum Age Model (Galbraith and Roberts, 2012).  
<sup>b</sup> Equivalent dose calculated on a pure quartz fraction with ultra-violet aliquants with 20–30 grain aliquots and analyzed under blue-light excitation (470 ± 20 nm) by Single Aliquot, Regeneration (SAR) protocols (Murray and Wintle, 2003; Wintle and Murray, 2006). Equivalent dose (De)  
<sup>c</sup> was calculated by the Finite Mixture Model (Galbraith and Green, 1990) of the partial probability Minimum Age Model (Galbraith and Roberts, 2012). Prefix “Tm” means the use of Thermal Transfer techniques as outlined in Fother and others (2002).  
<sup>d</sup> Overdispersion values reflect precision beyond instrumental errors, and less than 2% (at 1 sigma limit) indicate low dispersion in equivalent dose values and reflects a unimodal distribution. Values > 20% are associated with mixed equivalent dose signature reflecting multiple grain populations or partial solar resetting.  
<sup>e</sup> U, Th, and K content analyzed by inductively-coupled plasma-mass spectrometry by ALS Laboratories, Reno, NV; and includes dose contribution from Rb and an assumed moisture content of 10 ± 3% for the burial period.  
<sup>f</sup> Includes also a cosmic dose rate calculated from parameters in Prescott and Hutton (1994) and includes soft components.  
<sup>g</sup> Systematic and random errors calculated in a quadrature at one standard deviation by the Luminescence Dating and Age Calculator (LDAC) (Liang and Forman, 2019) at <https://www.baylor.edu/geosciences/index.php?id=962356>. Datum year is AD 2010.  
<sup>h</sup> Age estimate may be incorrect. If underlying unit (OSL-MRAM-LB) has a younger date.