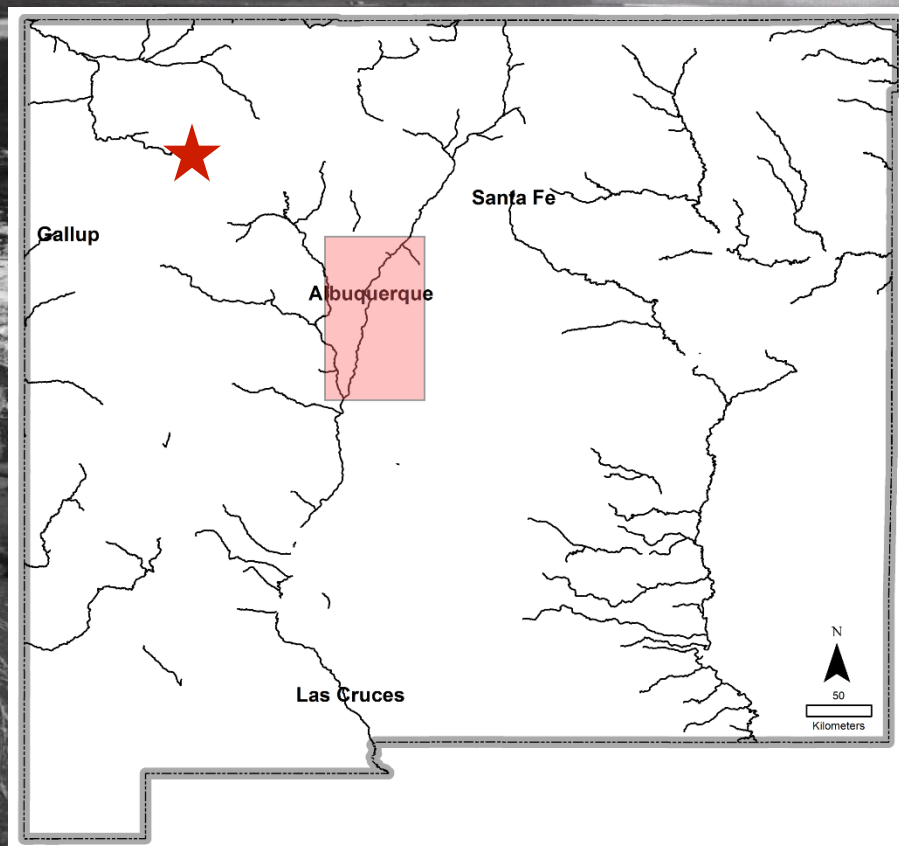


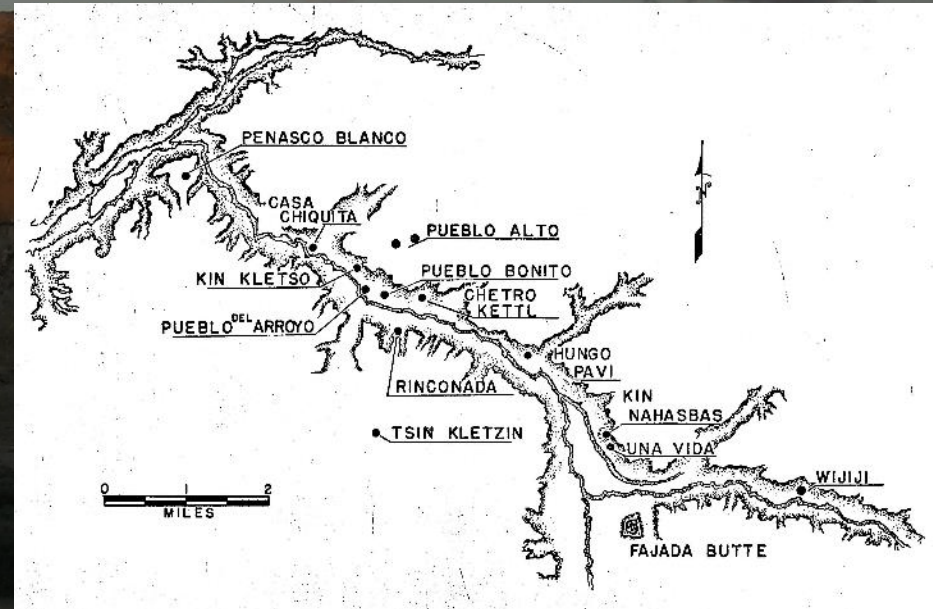
HUMANS AND ENVIRONMENT IN NEW MEXICO: THE LAST 1000 YEARS



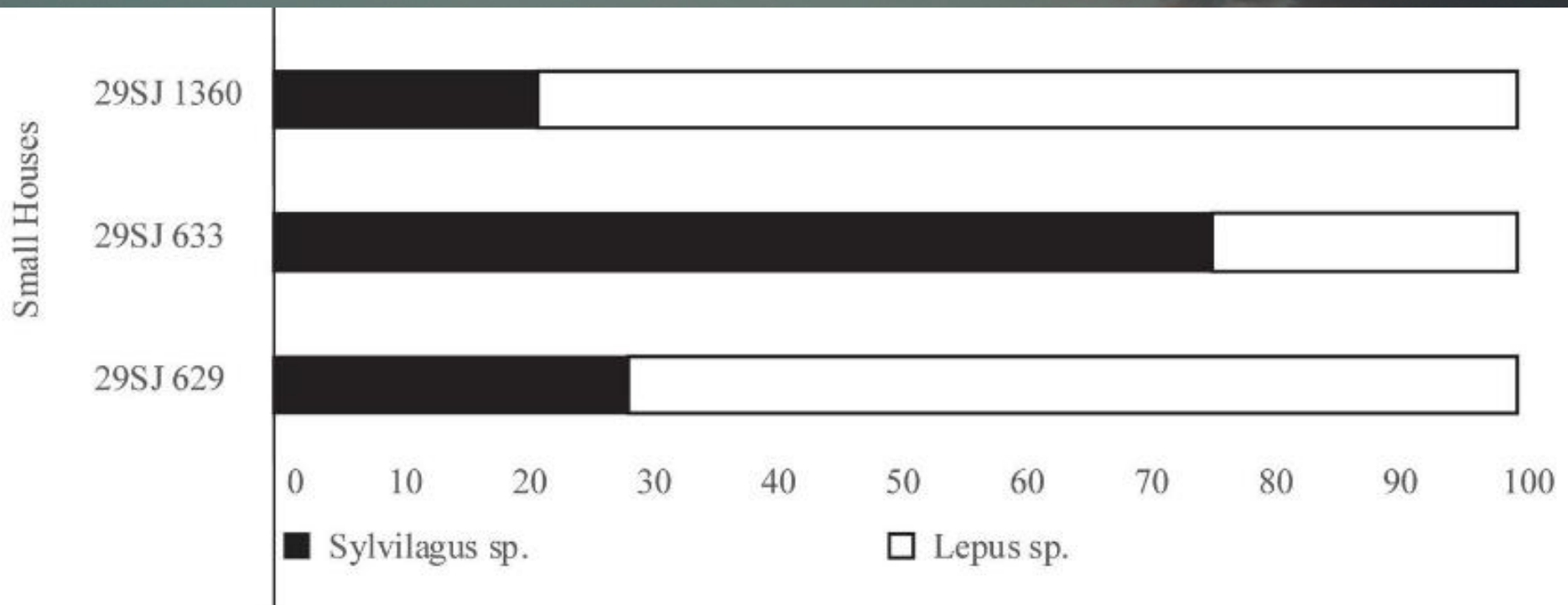
Emily Lena Jones
Department of Anthropology
University of New Mexico



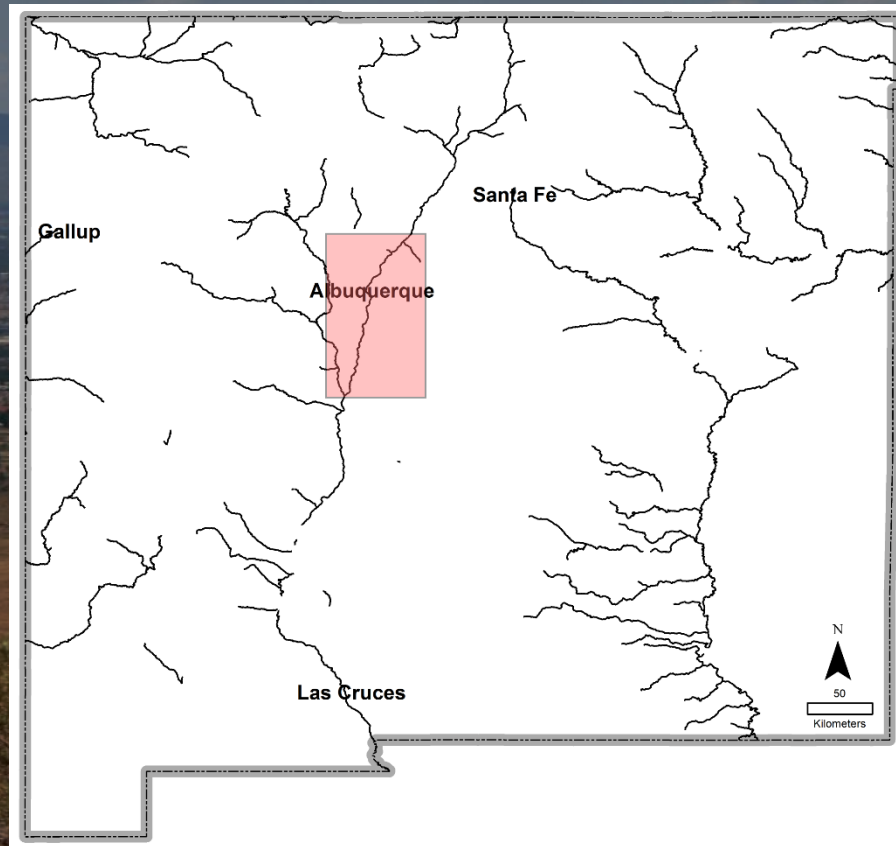
CHACO CANYON, AD 900 – 1150



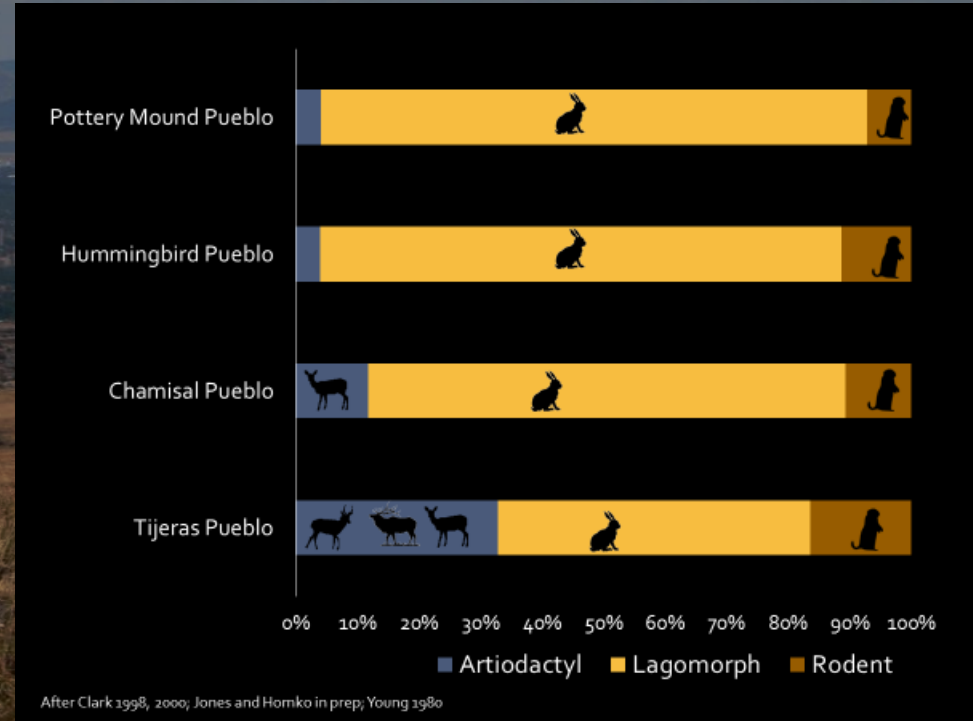
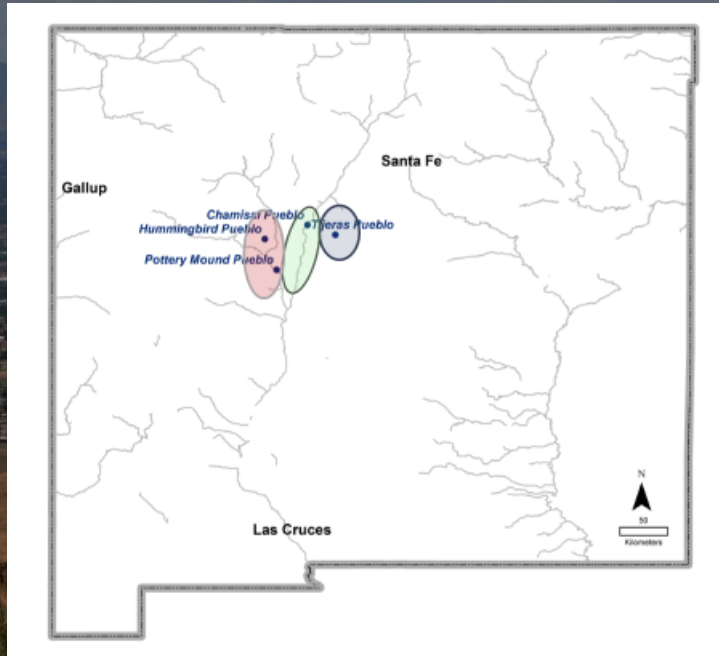
CHACO CANYON, AD 900 – 1150



THE MIDDLE RIO GRANDE VALLEY, AD 1300 – 1425



THE MIDDLE RIO GRANDE VALLEY, AD 1300 – 1540



INITIAL SPANISH COLONIZATION (A.D. 1598- 1680)

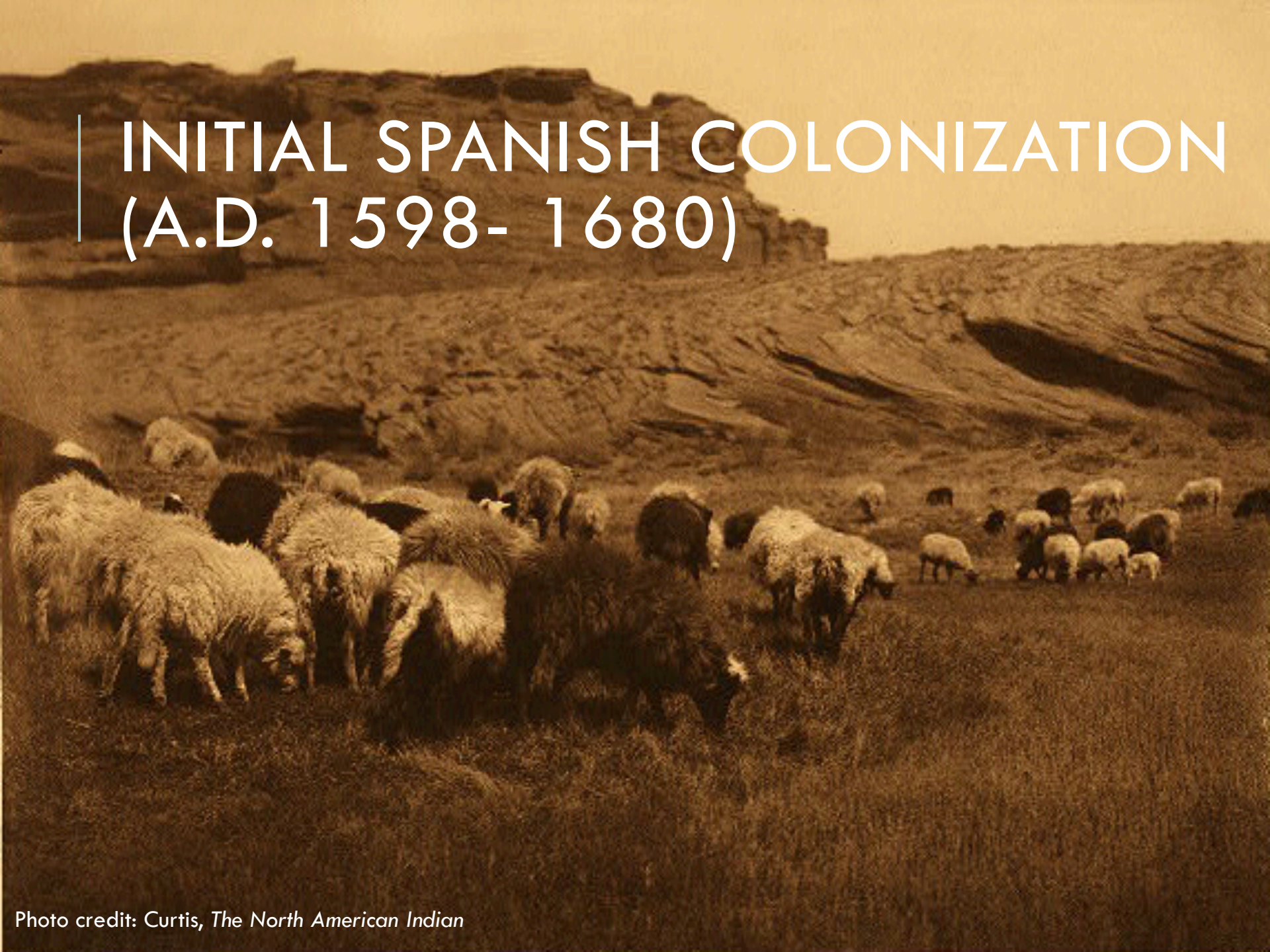


Photo credit: Curtis, *The North American Indian*

INITIAL SPANISH COLONIZATION (A.D. 1598- 1680)

Table 2. Artiodactyl taxa in Middle Rio Grande Valley (MRGV) sites. Assemblages are arranged from left to right in chronological order.

	Pottery Mound ^a	Chamisal (prehistoric component) ^b	Tijeras ^{b,c}	Qualacu ^d	Pargas ^e	Chamisal (early historic component) ^b	Isleta Mission (17th century) ^b	Paraje ^f	Isleta Mission (19th/20th century) ^b
Native artiodactyls									
<i>Antilocapra americana</i> (Pronghorn)	x	x	x	x	x	x	x	poss	
<i>Bison bison</i> (Bison)			x		poss	poss	x		
<i>Cervus elaphus</i> (Elk)		x	x			x	x		
<i>Odocoileus</i> sp. (Deer)	x	x	x	x	x	x	x	poss	
Introduced artiodactyls									
<i>Bos taurus</i> (Domestic cattle)					poss	poss	x	x	x
<i>Capra/Ovis</i> (Domestic goat or sheep)					x	x	x	x	x
<i>Sus scrofa</i> (Domestic pig)							x	x	x

Data from:

^aClark (2007).

^bJones, unpublished data.

^cYoung (1980).

^dJames (1987b).

^eJames (1987a).

^fBoyd (1986).

Jones 2015, *The Holocene*

THE AMERICANS AND THE RAILROAD, A.D. 1846 - 1912

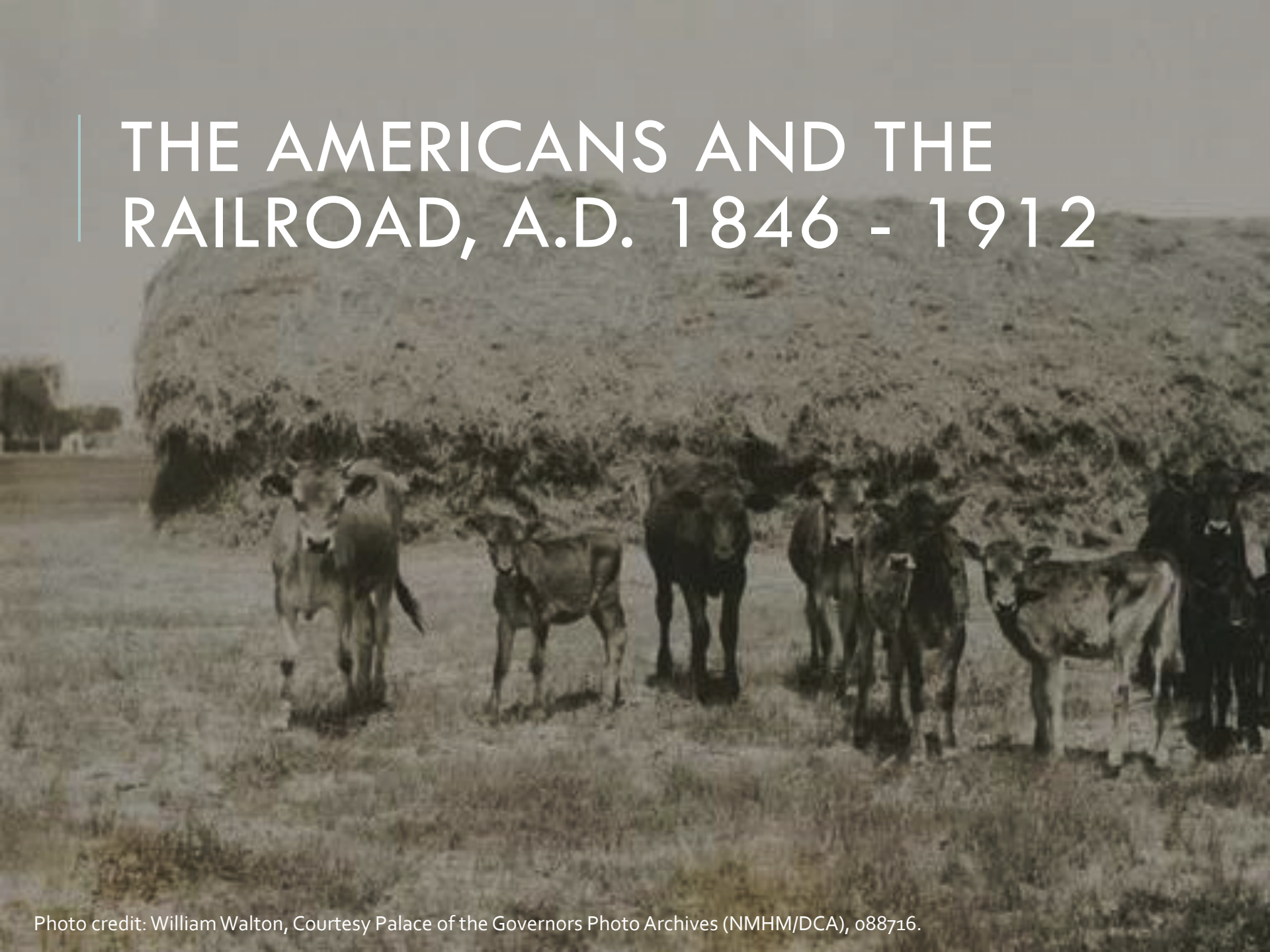
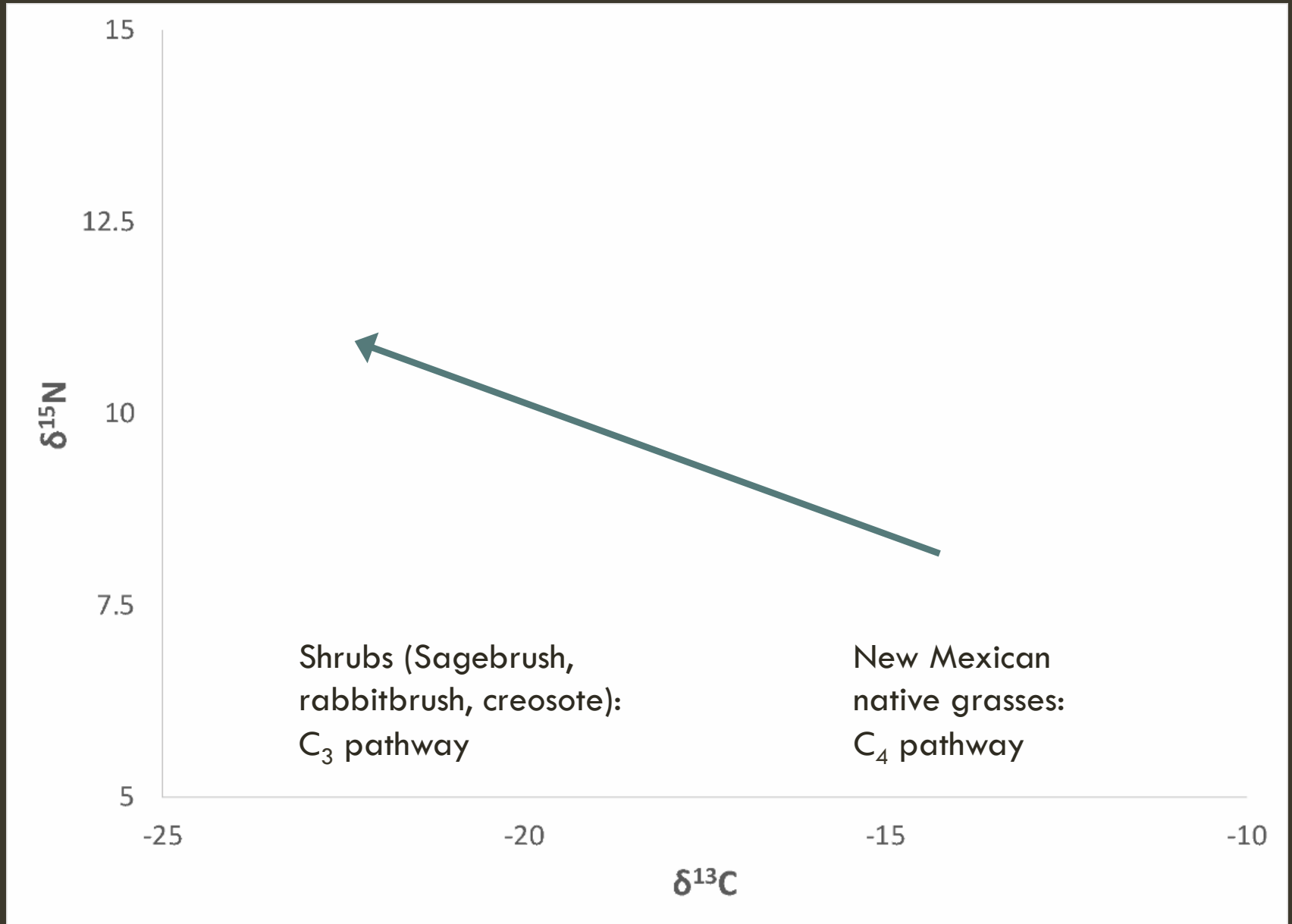
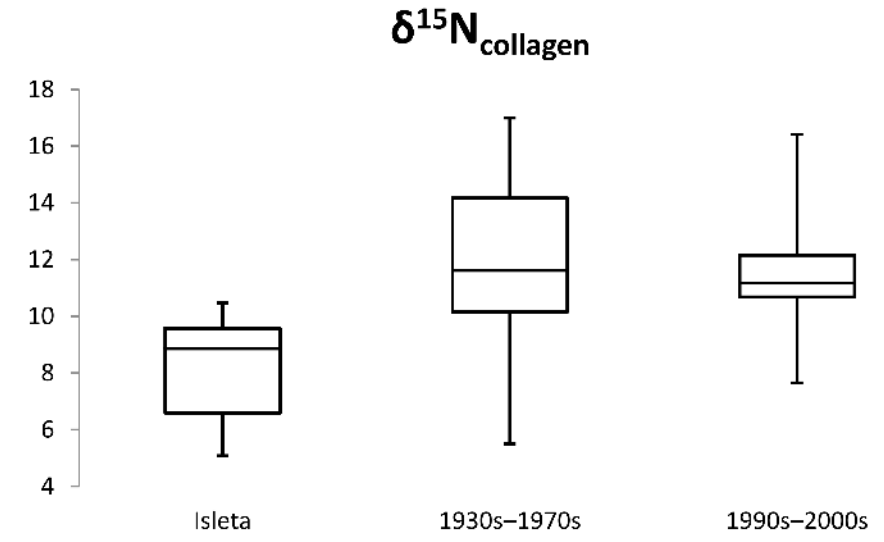
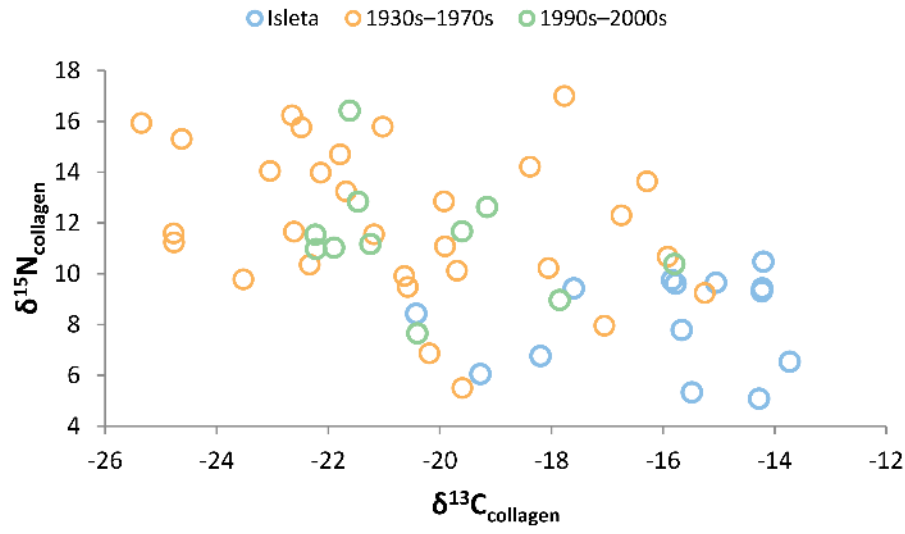
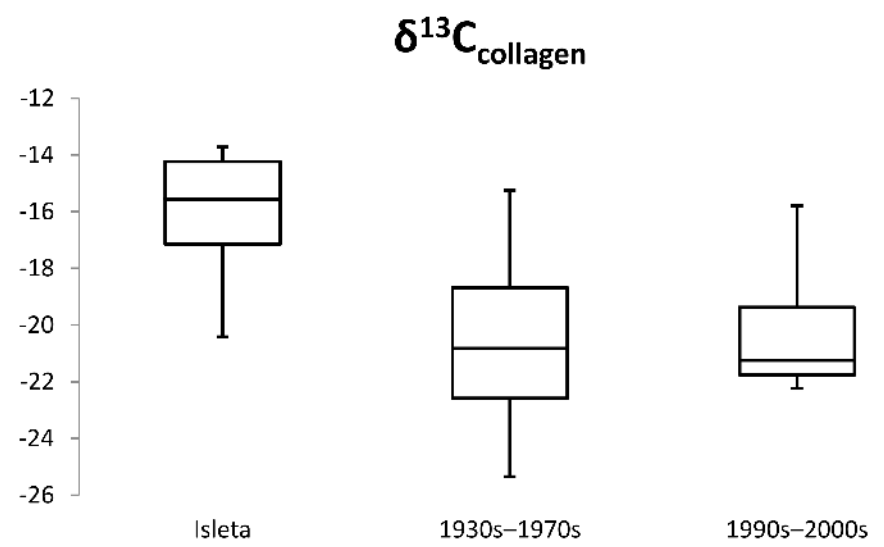
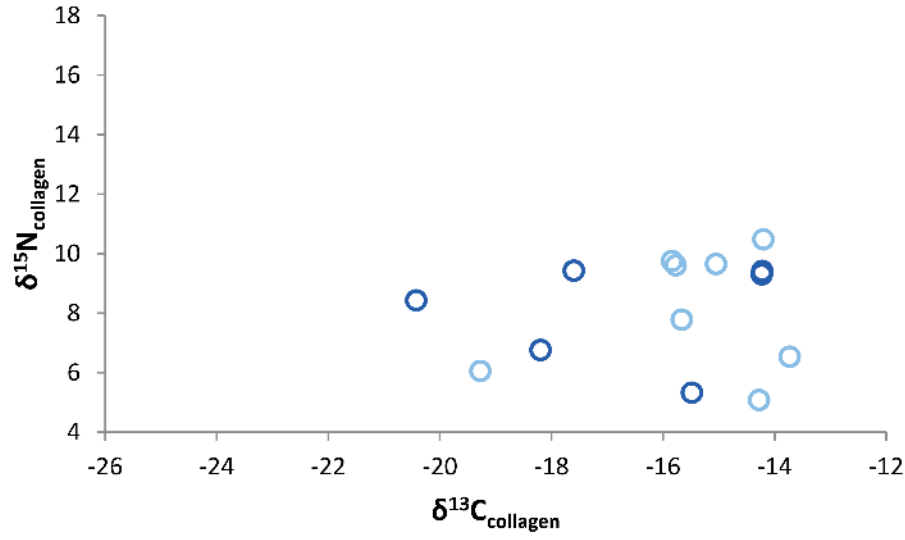


Photo credit: William Walton, Courtesy Palace of the Governors Photo Archives (NMHM/DCA), o88716.

Method: $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ from archaeological fishes





Significant change in both $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ between the 17th and 18th centuries (“Isleta”) and the 20th/early 21st centuries

HUMANS AND ENVIRONMENT IN NEW MEXICO



Photo credit: Middle Rio Grande Conservancy District

THANKS TO...

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