

Data Repository item 2001044

Waters and Haynes, p. Page 1 of 5

Table 1. Selected radiocarbon ages from the San Pedro River.

Geological Unit	Radiocarbon Age (yr B.P.)	Laboratory Number	Material Dated	Location
-----------------	---------------------------	-------------------	----------------	----------

Teviston-B alluvium (Qtvb; inset fill terrace):

none (post-A.D. 1958 based on aerial photography at Curry Draw)

Teviston-A alluvium (Qtva):

none (arroyo channel cutting ca. A.D. 1916 based on oral history for Curry Draw)

-----Historic Erosion-----

Backrich-B alluvium (Qbb):

500 ± 80	SMU-39 Charcoal	Curry Draw (Murray Place)
--------------	-----------------	---------------------------

-----Erosion 600 yr B.P.-----

Backrich-A alluvium (Qba):

860 ± 60	SMU-289	Charcoal	Hereford area
900 ± 120	A-891	Charcoal	Horsethief Draw

-----Erosion 1000 yr B.P.-----

McCool-B alluvium (QmcB):

Upper				
	$>840 \pm 60$	TX-937	Charcoal	Curry Draw (Murray Springs site)
	1040 ± 40	SMU-323	Wood	Lehner site
	1090 ± 70	TX-1041	Charcoal	Schaldack area
	1150 ± 50	SMU-46	Charcoal	Horesthief Draw
	1290 ± 50	SMU-334	Wood	Lehner site
	1370 ± 120	SMU-26	Charcoal	Southern Pacific Railroad Marker 1048, San Pedro River

Lower				
	1430 ± 160	A-479A	Wood	Lehner site
	1550 ± 90	A-617	Charcoal	Curry Draw
	1680 ± 50	SMU-271	Charcoal	Herford area, San Pedro River

-----Erosion 1900 yr B.P.-----

McCool-A alluvium (QmcA):

Upper				
	2050 ± 90	TX-1194	Charcoal	Southern Pacific Railroad Marker 1048, San Pedro River
Lower				
	2550 ± 160	A-450	Charcoal	Lehner site

-----Erosion 2600 yr B.P.-----

Hargis alluvium (Qha):

Upper			
	2550 ± 500	A-633	Organic clay Lehner site
	3190 ± 80	SMU-40 Charcoal	Lower Curry Draw
	3350 ± 150	A-903	Charcoal Hereford Dairy Ranch
Lower			
	3890 ± 270	AA-1140	Charcoal Arroyo SE of Lewis Springs
	3950 ± 180	A-480	Charcoal Lehner site
	4000 ± 130	SMU-15 Carbonized plants	Curry Draw

-----Erosion 4000 yr B.P.-----

Weik alluvium (Qwk):

Upper			
	4230 ± 290	A-697B	Humates Curry Draw
	5630 ± 130	TX-936	Humates Curry Draw (Murray Springs site)
	5750 ± 250	A-905A	Charcoal Curry Draw (Murray Springs site)
	5890 ± 270	A-696B	Humates Curry Draw
Lower			
	6400 ± 100	SMU-139	Humates Curry Draw

-----Erosion 7500 yr B.P.-----

Donnet Ranch alluvium (Qdo):

Upper			
	7890 ± 420	A-715B3	Humates Lehner site
	8620 ± 160	TX-1046	Humates Curry Draw (Murray Springs site)
Lower			
	9530 ± 100	SMU-175	Humates Lehner site

Clanton Ranch Clay (Qcl):

Upper			
	9640 ± 180	TX-1183	Organic clay Curry Draw (Murray Springs site)
	9900 ± 80	SMU-204	Humates Lehner site
Lower			
	$10,630 \pm 60$	AA-26212	Humates Curry Draw (Murray Springs site)
	$10,680 \pm 140$	SMU-109	Organic clay Curry Draw (Murray Place)

1 All radiocarbon ages are corrected for carbon-isotope fractionation.

Data Repository item 2001044

Waters and Haynes, p. Page 3 of 5

Table 2. Selected Radiocarbon Ages from the Santa Cruz River.

Geological Unit	Radiocarbon Age (yr B.P.)	Laboratory Number	Material Dated	Location
-----Historic Erosion-----				
Unit VII:				
Lower				
	480 \pm 50	A-4667	Charcoal	San Xavier reach (Waters, 1988)
	490 \pm 180	A-2444	Charcoal	Olberg & Schanck reach (Haynes and Huckell, 1986)
-----Erosion 500 yr B.P.-----				
Unit VI:				
Upper				
	610 \pm 90	A-1890	Charcoal	Brickyard arroyo (Haynes and Huckell, 1986)
	630 \pm 80	A-1885	Charcoal	Brickyard arroyo (Haynes and Huckell, 1986)
	650 \pm 125	Beta-13710	Charcoal	San Xavier reach (Waters, 1988)
	660 \pm 80	Beta 13703	Charcoal	San Xavier reach (Waters, 1988)
Lower				
	730 \pm 90	AA-721	Charcoal	Pima Mine Road (Haynes and Huckell, 1986)
	960 \pm 120	AA-720	Charcoal	Pima Mine Road (Haynes and Huckell, 1986)
-----Erosion 1000 yr B.P.-----				
Unit V:				
Upper				
	1020 \pm 200	A-3140	Charcoal	Pima Mine Road (Haynes and Huckell, 1986)
	1310 \pm 75	Beta-13705	Charcoal	San Xavier reach (Waters, 1988)
Lower				
	1620 \pm 180	A-2814	Charcoal	Spring Branch arroyo (Haynes and Huckell, 1986)
	1790 \pm 120	A-2813	Charcoal	Spring Branch arroyo (Haynes and Huckell, 1986)
	1840 \pm 80	Beta-14822	Charcoal	Spring Branch arroyo
	1890 \pm 70	Beta-13706	Charcoal	San Xavier reach (Waters, 1988)
	1920 \pm 85	Beta-14823	Charcoal	Spring Branch arroyo
	1950 \pm 120	A-2812	Charcoal	Spring Branch arroyo (Haynes and Huckell, 1986)
-----Erosion 2000 yr B.P.-----				

Unit IV:

Upper			
	1960 ± 80	A-1887	Charcoal
	2190 ± 105	Beta-14820	Charcoal
	2030 ± 230	A-1883	Charcoal
Lower			
	2290 ± 80	A-1782	Charcoal
	2300 ± 110	A-1781	Charcoal
	2420 ± 70	A-4080	Charcoal
	2450 ± 220	AA-887	Charcoal

-----Erosion 2500 yr B.P.-----

Unit III:

Upper			
	2520 ± 105	Beta-13707	Charcoal
	2520 ± 130	A-2817	Charcoal
	2520 ± 140	A-1857	Charcoal
	2530 ± 80	Beta-14715	Charcoal
	2630 ± 100	A-1892	Charcoal
	2650 ± 120	A-3627	Charcoal
Lower			
	$3650 + 60$	Beta-85537	Charcoal
	$3650 + 100$	A-2816	Charcoal
	$3810 + 60$	CAMS-33965	Charcoal
	$3990 + 60$	CAMS-33961	Charcoal

-----Erosion 4000 yr B.P.-----

Unit II:

Upper			
	3980 ± 100	A-1783	Charcoal
	4380 ± 60	Beta-81048	Charcoal
	4400 ± 220	A-1858	Charcoal
	4850 ± 90	A-1854	Charcoal

Lower

5105 ± 55	AA-3855	Charcoal	Aguirre Tank area
5540 ± 95	AA-3861	Charcoal	Aguirre Tank area

-----Erosion 5600-8000 yr B.P.-----

Unit I:

Upper			
7970 ± 130	Beta-14537	Sediment	San Xavier reach (Waters 1988)

1 All radiocarbon ages are corrected for carbon-isotope fractionation.