

AMS ¹⁴C measurements and data reported for the Kennewick, Washington human skeleton

Sample & ID No.	Age, RC yr. BP	Apparent ¹⁴ C Age and Fm	Lab Number	Fraction Dated	δ ¹³ C ‰ PDB	Comments
5th metacarpal						
APS-CPS-01	8410±60		UCR-3476	Total amino acids	-15.4‰	Collagenous, well preserved bone; 68.8% of modern protein content
1st right metatarsal						
CENWW.97.R.24 (Mta) DOI-1a	8410±40		Beta-133993	Alkali-washed collagen	-12.6‰	"Plenty of Carbon"
CENWW.97.R.24 (Mta) DOI-1a	—	"8130±40" Fm = 0.3633±0.0014	UCR-3807	Total amino acids	-10.8‰	Non-collagenous protein content; 14% of modern
Left tibia, cnemial crest						
CENWW.97.L.20b DOI2a	—	"5750±100" Fm = 0.4889±0.0066	AA-34818	Gelatin	-21.9‰	Below protein yield acceptable for accurate dating
CENWW.97.L.20b DOI2b	—	"6940±30" Fm = 0.4216±0.0015	UCR-3806	Total amino acids	-10.3‰	Non-collagen protein composition; 2.3% of modern
VARIATION AMONG RESULTS	2660 RC years			"Collagen" to "Non-collagen"	11.6 ‰	"Acceptable" to "Not Acceptable" Results

TABLE 1.

Summary of AMS radiocarbon measurements, stable isotope analyses and laboratory observations on the Kennewick Skeleton

List of Archived Kennewick Man Samples Suitable for Geochemical Analyses