Yarmouthian (430,000 - 500,000 yr BP) chrysophyte cyst assemblages aid in corroborating a maximum Illinoian (ca. 220,000 - 430,000 yr BP) age for the artifacts at the Hueyatlaco site, Puebla, Mexico

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Bona fide artifacts have been found in situ in sedimentary deposits which, by various reputable means (including fossil cysts), have been demonstrated to be older than the Last Ice Age, but most American archaeologists disagree. No other archaeological site in the world is known to be associated with such highly significant age and environmentally diagnostic cyst/diatom evidence as Hueyatlaco. Two diagnostic Yarmouthian (430,000 - 500,000 yr BP) cyst assemblages (in samples VL2149 and VL2316) occur in a bed (Unit J) which is conformably below (and older) than the lowermost artifact-bearing bed (Unit I) at the Hueyatlaco archaeological site. And these two samples correlate with a third diagnostic Yarmouthian sample (68M288=VL2243) from a core 7 km NNW at Rancho Batan. The extinctions and earliest known first occurrences of the 26 extant and 8 extinct cyst taxa in the three samples (with a minimum 430,000 yr BP Yarmouthian age) corroborate a maximum of 430,000 yr BP age for the Hueyatlaco artifacts which previously was established by means of cyst/diatom assemblages with a maximum age of Illinoian (220,000 - 430,000 yr BP) in Unit I.