References Cited

Alsop III, Fred J.  
2001  *Birds of North America*. Doling Kindersley Limited

Ambrose, S. H.  

Ambrose, S.H. and Norr, L.  

Anderson, M. Kat  


Applegate, Richard B.  

Arbuckle, Clyde  

Arroyo de la Cuesta, Felipe  

Auerbach, B.M. and Ruff, C.  

Bancroft, Hubert H.  
1886  *History of California*, Volumes II, III and IV.  This History Company.  
San Francisco.


Bartelink, E.J.
2006  *Resource Intensification in Pre-Contact Central California: A Bioarchaeological Perspective on Diet and Health Patterns among Hunter-gatherers from the Lower Sacramento Valley and San Francisco Bay*.  Doctoral dissertation, Texas A&M University, College Station, TX [Ann Arbor, MI: University Microfilms.]


Bartelink, E. J, and L. E. Wright  

Basgall, M.E.  

Bass, W.M.  

Bates, Craig D.  

Baumhoff, M.A.  

Bean, Lowell J.  


Bean, Lowell J. and Blackburn, Thomas, eds.  

Bean, Lowell J. and King, Thomas, eds.  

Bean, Lowell J. and Lawton, Harry  
Bean, Lowell J. and Vane, Sylvia B.  

Beasley, M.M.  


Beaton, J.M.  

Beeler, Madison S.  

Bellifemine, Viviana  

Bennyhoff, James A.  

Bennyhoff, James A. and Hughes, Richard  
1987 Shell Bead and Ornament Exchange Networks Between California and the Western Great Basin. Anthropological Papers of the American Museum of Natural History. 64(2):79-175.

Bibby, Brian  

Binford, Lewis R.  


Blackburn, Thomas

Bocek, Barbara R.

Bolnick D.A. and Smith D.G.

Bolton, Herbert E. (Editor)
1911 Expedition to San Francisco Bay in 1770: Diary of Pedro Fages. *Academy of Pacific Coast History Publications* 2(3): 141-159.


1927 *Fray Juan Crespi, Missionary Explorer on the Pacific Coast, 1769-1774.* University of California Press. Berkeley, California.


Book of Funerals at Mission San Jose
1859-1908 Funeral Records on file at the Mission San Jose, Fremont, California.

Breschini, Gary, Haversat, T., and Erlandson, J.

Broek, J.O.M
1932 *The Santa Clara Valley, California: A Study in Landscape Changes.* Utrecht.

Broughton, J.M.

Brown, Alan K.  


Brown, W.M., George, Jr., M., and Wilson, A.C.  

Buikstra J.E., and Ubelaker, D.H.  

Buonasera, Tammy  
2012  Personal communication on the results of AMS dating of Burials 04-13 and 04-14 from Prehistoric Site CA-SCL-287, Stanford University.

Cambra, Rosemary, Leventhal, Alan, Jones, Laura, Hammett, J., Field, Les, and Sanchez, N.  
1996  Archaeological Investigations at Kapkan Umux (Three Wolves) Site, CA-SCL-732: A Middle Period Prehistoric Cemetery on Coyote Creek in Southern San Jose, Santa Clara County, California. On File at the Northwest Information Center, Sonoma, State University, Rohnert Park, Ca.

Carlyle, S.W., Parr, R.L., Hayes, M.G., and O'Rourke, D.H.  

Cartier, Robert  

Cartier, Robert, Bass, Jason, and Ortman, Scott  
Castillo, Ed

Chandler-Ezell, K., Pearsall, D., and Zeidler, J.

Chartkoff, Joseph L. and Chartkoff, Kerry K.


Clark, J. C.

Clifford, James

Coberly, Mary B.

Coil, J., Korstanje, M.A., Archer, S., and Hastorf, C.

Colson, Elizabeth

Cook, S.F.


Coon, C.S.

Crespi, Juan
   1769-1774 (see Bolton, Herbert 1927 above)

Curtin, Jeremiah
   1884  Linguistic Field Notes: California. Recording the Indian languages spoken at Niles and Pleasanton, California. [Filed under “Yukian”] ms #1456. National Anthropological Archives, Smithsonian Institution, Washington, DC.

Curtis, Edward S.

Davis, Lee

Davis, Lee, Stewart, Suzanne, and Hitchcock, Richard

De Groote, I. and Humphrey, L.T.

DeNiro, M. J.

DeNiro, M.J. and Epstein, S.

Dietz, Stephen A., Hildebrandt, W., and Jones, T.  
1988 *Archaeological Investigations at Elkhorn Slough: Ca-Mnt-229. A Middle Period Site on the Central California Coast.*

DiGiuseppe, D.M.  

Dittrick, J. and Suchey, J. M.  

Dixon, R.B.  


Dobyns, Henry F.  

Don, R.H., Cox, P.T., Wainwright, B.J., Baker, K., and Mattick, J.S.  

Dorrington, Lafayette A.  
1927 *Report to the Commissioner of Indian Affairs, June 23, 1927.* Roseberg Files, RG 75: the 1907-1939 Bureau of Indian Affairs Classified Files. National Archives, Washington, D.C.


Driver, H.E.  
DuBois, Cora A.

Echo-Hawk, Roger C.

Elsasser, Albert B.


Fages, Pedro


Federal Census
1900 (Twelfth Census/Indian Population Census Washington and Murray Townships, Alameda County, California), 1910 (Thirteenth Census/ Indian Population Census Pleasanton Township, Alameda County, California), 1920 (Fourteenth Census, Alameda and Santa Clara Counties), 1930 (Fifteenth Census, Alameda, Contra Costa, and Santa Clara Counties)

Field, Les and Alan Leventhal
Field, Les, Leventhal, Alan and Cambra, Rosemary

Field, Les, Leventhal, Alan and Cambra, Rosemary

Field, Les, Leventhal, Alan, Sanchez, Dolores, and Cambra, Rosemary


Field, Les (with the Muwekma Ohlone Tribe)
2003 Unacknowledged Tribes, Dangerous Knowledge: The Muwekma Ohlone and How Indian Identities are “Known”. In Wicazō Ṣa Review Journal of Native American Studies, Special Issue on the Politics pf Sovereignty, Fall 2003, Vol. 18, No. 2, pages 79-94.

Font, Pedro

Forbes, Jack

Fredrickson, David A.
1968 Archaeological Investigation at CCo-30 near Alamo Contra Costa County, California.
1973 Early Cultures of the North Coast Ranges, California. PhD. Dissertation, Department of Anthropology, University of California at Davis.


Fried, Morton

Fried, M.N. and Fried, M. H.

Froehle, A. W., C. M. Kellner, and M. J. Schoeninger

Fry, B.

Galindo, Nasario

Galloway, A.

Galvan, P. Michael

Galvin, John
1971 The First Spanish Entry into San Francisco Bay, 1775. Howell Books. S.F.

Gardner, Karen Smith
2013 Diet and Identity Among the Ancestral Ohlone: Integrating Stable Isotope Analysis and Mortuary Context at the Yukisma Mound (CA-SCL-38). Master’s Thesis, Department of Anthropology, California State University at Chico.

Gayton, Anna H.


Geiger, Maynard and Meighan, Clement

1976 *As the Padres Saw Them: California Indian Life and Customs as Reported by the Franciscan Missionaries, 1813-1815*. Santa Barbara Mission Archive Library, Glendale, Calif.

Genoves, Santiago


Gerow, Bert A.


Gerow, Bert A. with Force, Roland

1968 *An Analysis of the University Village Complex with a Reappraisal of Central California Archaeology*. Stanford Press.

Gifford, Edwin W.

1914 *Central Miwok Shamans*. Unpublished Fieldnotes. Ethnological Documents Collection, University Archives, University of California, Berkeley. CU-23.1 No. 179.


Gilbert, B. Miles.

1980 *Mammalian Osteology*. B. Miles Gilbert, Laramie

Goldschmidt, Walter


Gould, Richard A. and Watson, Patti Jo


Grady, Diane L., Latham, Kate A., and Andrushko, Valerie A.


Griffin, Mark C.


Groza, Randall G.


Gutierrez, Ramon

1991 *When Jesus Came, the Corn Mothers Went Away*. Stanford Press.
Hall, Frederic

Hanni, C., Brousseau, T., Laudet, V., and Stehelin, D.

Harrington, John P.


Heizer, Robert F.


Heizer, Robert F. and Elsasser, Albert B.


Hershkovitz, I., Latimer, B., Dutour, O., Jellema, L.M., Wish-Baratz, S., Rothschild, C., and Rothschild, B.M.


Hester, T.R.


Hildebrandt, William R.


Hildebrandt, William and Swenson, Laureen


History of Washington Township


Holtermann, Jack


Hoopes, Chad

1975 *Domesticate or Exterminate*. Redwood Coast Publications.

Hughes, Richard E. and Milliken, Randall


Hurtado, Albert L.

Hylkema, Mark
1991 *Prehistoric Native American Adaptations Along the Central California Coast of San Mateo and Santa Cruz Counties.* Unpublished Masters Thesis, Department of Social Sciences, San Jose State University, California.


2004 *Archaeological Investigations at Tamien Station: Site CA-SCL-690* edited by Mark Hylkema. Caltrans District 4, Oakland, California.


Iscan, M.Y., Loth S.R., and Wright R.


Jackson, Robert

James, Steven R. and Graziani, Susan

Jenkins, James

Jones, Barbara Lee
2010 *Mythic Implications of Faunal Assemblages from Three Ohlone Sites.* Master’s thesis, Department of Anthropology, San Francisco State University, California.
Jones, T.L. and Raab, L.M. (editors)  

Judd, M.A.  

Jurmain, R.D.  


Jurmain, R., Bartelink E.J., Leventhal A., Bellifemine V., Nechayev, I., Atwood, M., and DiGiuseppe D.  

Kelly, Isabel. T.  


Kelley, M.A.  

Kellner, C. and Schoeninger, M.J.  
Kelman, L.M., and Kelman, Z.

Kelsey, C.E.


Key, J.A. and Conwell, H.E.

King, Chester D.


King, Linda B.

King, Thomas, F.


Koch, Paul L., Noreen Tuross, and Marilyn L. Fogel

Kroeber, Alfred L.


Krogman, W.M. and Iscan, M.Y.  

Langsdorff, George H. von  

Latta, Frank  

Leventhal, Alan M.  


Leventhal, Alan, Melynda Atwood, Diane DiGiuseppe, Stephanya Freckton, David Grant, Rosemary Cambra, Monica V. Arellano, Suzanne Rodriguez, Sheila Guzman-Schmidt, Gloria E. Arellano-Gomez and Norma Sanchez  

Leventhal, A. M., Cambra, R., and Sanchez, N.  

Leventhal, A. M., Cambra, R., and Ananian, B.  

Leventhal, A. M., Cambra, R., Sanchez, N., and Domenech, B.  

Leventhal, Alan, Diane DiGiuseppe, Melynda Atwood, David Grant, Rosemary Cambra, Charlene Nijmeh, Monica V. Arellano, Susanne Rodriguez, Sheila Guzman-Schmidt, Gloria E. Gomez, Norma Sanchez, and Stella D’Oro 2009 *Final Report on the Burial and Archaeological Data Recovery Program Conducted on a Portion of a Middle Period Ohlone Indian Cemetery, Katwáš Keteýma Waréęppta (The Four Matriarchs Site) CA-SCL-869, Located at 5912 Cahalan Avenue, Fire Station # 12 San Jose, Santa Clara County, California.* Report Prepared for the City of San Jose, Santa Clara County, California by Muwekma Ohlone Tribe/Ohlone Families Consulting Services.


Leventhal, Alan, Escobar, Lorraine, Alvarezo, Hans, Laneira, Dottie, Sanchez, Dolores, Sanchez, Enos, Sanchez, Robert Sr., and Thompson, Lawrence Sr. 1995 *Historical and Genealogical Information on the Muwekma Ohlone Lineages that Descend from the Aboriginal Tribes of the Greater San Francisco Bay and from the Historic Indian Rancherias that Comprised the Verona Band.* Documents submitted to the Branch of Acknowledgment and Research, Bureau of Indian Affairs, Department of the Interior. Washington, D.C.
Leventhal, Alan, Field, Les, Alvarez, Henry, and Cambra, Rosemary

Leventhal, Alan, Lynn Ferris, Diane DiGiuseppe, David Grant, Melynda Atwood, Susan Morley, Rosemary Cambra, Les Field, Charlene Nijmeh, Monica V. Arellano, Susanne Rodriguez, Sheila Guzman-Schmidt, Gloria E. Gomez, and Norma Sanchez
2012 Report on the Reanalysis and AMS Dating of a Burial Recovered from the Tupiun Tähareštak Site [Place of the Fox Man] (CA-SCL-894/California Fox Theatre) Located in the City of San Jose, Santa Clara County, California. Report prepared for the City of San Jose, Muwekma Ohlone Tribe and College of Social Sciences Foundation. Report on file at San Jose State University.

Leventhal, Alan M. and Seitz, G.

Leventhal, Alan M., Seitz, G., and Hylkema, M.

Levy, Richard


Lewis, Henry T.

Lightfoot, Kent G.

Lightfoot, Kent G. and Edward M. Luby
Lightfoot, Kent G. and Otis Parrish

Lipps, Oscar H.
1930 *Letter from Sacramento Superintendent Oscar Lipps to Assistant Indian Commissioner J. Scattergood dated June 30, 1931.* Roseberg Files, RG 75: the 1907-1939 Bureau of Indian Affairs Classified Files. National Archives, Washington, D.C.

Loeb, Edwin M.


Lovejoy, C.O. and Heiple, K.G.


Luby, Edward

Maddox, Deborah

Mann, R.W. and Hunt, D.R.

Marcus, George E. and Fischer, Michael M. J.

Marine, Dario
1965 *Marine Family History Notes: Interview with Dario Marine about the Ohlone Cemetery.* Notes transcribed by Philip Galvan. On file at the Muwekma Tribal office, San Jose, California
Mason, J. Alden


Mayfield, D.W.


Mays, S.A.

McCarthy, Francis C.

McDaniel, Emily, Alan Leventhal, Diane DiGiuseppe, Melynda Atwood, David Grant, Rosemary Cambra, Charlene Nijmeh, Monica V. Arellano, Sheila Guzman-Schmidt, Gloria E. Gomez, and Norma Sanchez

Meindl, R.S. and Lovejoy, C.O.

Merbs, C.F.
Merriam, C. Hart
1902-1930 *Mewuk (Sierra Miwok) and Miwok (Plains Miwok) Tribes and Villages*. Manuscript on file at the University of California, Bancroft Library. C. Hart Merriam Collection. Berkeley.

1934 Photographs of Jose Guzman, Niles and Morrison Canyon, 1934.
1955 *Studies of California Indians*. Edited by the Staff of the Department of Anthropology of the University of California. University of California Press.


Milliken, Randall T.


1991 *An Ethnohistory of the Indian People of the San Francisco Bay Area from 1770-1810*. Ph.D. dissertation, Department of Anthropology, University of California, Berkeley.


Milliken, Randall T., and James A. Bennyhoff

Milliken, R. T., Leventhal, Alan, and Cambra, Rosemary
1987  *Interpretive Recommendations and Background Report for the Coyote Hills Museum*. Submitted to the East Bay regional Park District, Oakland.

Milliken, Randall, Fitzgerald, Richard T., Hylkema, Mark G., Groza, Randy, Origer, Tom, Bieling, David G., Leventhal, Alan, Wiberg, Randy S., Gottsfield, Andrew, Gillette, Donna, Bellifemine, Viviana, Strother, Eric, Cartier, Robert, and Fredrickson, David A.

Mission San Jose Baptismal Records
1797-1859  Mission San Jose *Libro de Bautismos*. Archives of the Archdiocese of San Francisco, Mountain View, California.

Mittler, D. and Sheridan, S.

Molnar, S.

Monroe, Cara, Leventhal, Alan, Cambra, Rosemary and Kemp, Brian
Monroe, Cara

Monroy, Douglas

Moratto, Michael J.

Olsen, Nancy, Leventhal, Alan and Cambra, Rosemary

Olsen, William H. and Wilson, Norman L.

Ortiz, Beverly


Pastron, Allen and Bellifemine, Viviana
2007 Archaeological Investigations at CA-SCL-674, the Rubino Site, San Jose, Santa Clara County, California. Archives of California Prehistory, No. 54. Coyote Press.

Phenice, T.W.

Phillips, G.H.
Pierce, Lorna K.C.  


Pombo, Richard W.  
2005  Letter dated June 30, 2005 from Congressman Richard Pombo, Chairman of the House Resources Committee to Secretary of Interior Gale A. Norton requesting settlement opportunities with the Muwekma Ohlone Tribe relative to the Tribe’s lawsuit against the DOI. Letter on file Muwekma Tribal Office and DOI, Washington, DC.

Powell, John W.  

Powers, Stephen  

Ragir, S.  

Rappaport, Joanne  

Rawls, James J.  

Rhine, Stanley  

Richer, Paul  

Rogers, Saunders  
Salomon, Frank

Sandoval, John

Sarris, Greg

Sawyer, Eugene T.
1922 History of Santa Clara County, California. Historic Record Company. Los Angeles, California.

Schaefer, M., Black, S. and Scheuer, L.

Schenck, W.E. and Dawson, E.J.
1929 Archaeology of the Northern San Joaquin Valley. University of California Publications in American Archaeology and Ethnology. 25(4)

Scheuer, L. and Black, S.

Scheuer, L. and Black, S.

Schoeller, D.A.

Schoeninger, M.J., Deniro, M.J. and Tauber, H.

Schonewald-Cox, Christine M., Bayless, Jonathan W., and Schonewald, Jaqueline
1985 Studied Geographic Patterns of Phenetic Variation Using Morphometric Analysis of Cranial Characters, Journal of Mammalogy, 66(1) 63-74

Schwarcz, H.P. and Schoeninger, M.J.
Schwartz, J.H.  

Scott, E.C.  

Service, Elman  


Shanks, Ralph and Shanks, Lisa Woo  

Simons, D.D.  

Skowronek, R.K. and Graham, M.A.  

Slagle, Allogan, Leventhal, Alan, Field, Les, and Hampton, Neil  

Slagle, Allogan, with assistance by Alan Leventhal  

Smith, B.H.  
Smith, Emma

Soil Survey: Santa Clara Area, California

Spier, Robert F.G.

Starek, Gerald
2013 *The Temporal Dating and Analysis of the Archaeological Assemblage Recovered from a Portion of Prehistoric Site, “Satos Rini Rumaytak” (At the Hill Above the River Site) CA-SCR-12*. Master’s Project, Department of Anthropology, San Jose State University.

Stewart, Omar

Suchey, J. M., D. V. Weisley, R. F. Green and T. T. Noguchi

Suchey, J. M., Brooks, S. T., and Katz, D.

Thompson and West
1876 *Historical Atlas Map of Santa Clara County*. Thompson and West. San Francisco.

Tieszen, L. L. and Fagre, T.

Ubelaker, D. H.
Urbina, Richardo (Justice)  
2000-2002 *Introduction of his Memorandum Opinion Granting the Plaintiff’s Motion to Amend the Court’s Order* (July 28, 2000) and *Memorandum Order Denying the Defendants’ to Alter or Amend the Court’s Orders* (June 11, 2002). **Muwekma Ohlone Tribe v. Bruce Babbitt, Secretary of Interior, et. al.** U.S. District Court, Washington, DC.

van Klinken, G. J.  

Vayda, Andrew P.  

Verkuilen, P.E.  

Walden, T.  

Walker, P.L.  

Walkinsaw, Robert  

Wallace, Edith  

Walton, Reginald B. (Justice)  

Webb, P.A. and Suchey, J.M.  

Weber, David J.  
Weir, Walter W. and Storie, R. Earl
1947 Soils of Santa Clara County, California. University of California, College of Agriculture, Agricultural Experimental Station, Berkeley, California.

Winter, Joseph C.

1978b Tamien: 6000 Years in an American City. Report to the City of San Jose Redevelopment Agency. San Jose.

Wohlgemuth, E.

Wolf, Eric

Wood, M.W.
1883 History of Alameda County, California. Published by M. W. Wood, Oakland.

APPENDIX A

CA-SMA-267
ARCHAEOLOGICAL SITE
SURVEY FORM
### ARCHEOLOGICAL SITE SURVEY RECORD

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Site</td>
<td>1416 Bay Road</td>
</tr>
<tr>
<td>2. Map</td>
<td>Palo Alto Quad 7.5'</td>
</tr>
<tr>
<td></td>
<td>UTM: 575,820E/</td>
</tr>
<tr>
<td></td>
<td>1/4 of N/A</td>
</tr>
<tr>
<td></td>
<td>1/4 of Sec. N/A</td>
</tr>
<tr>
<td>3. County</td>
<td>San Mateo</td>
</tr>
<tr>
<td>4. Twp.</td>
<td>5S</td>
</tr>
<tr>
<td>Range</td>
<td>3W</td>
</tr>
<tr>
<td></td>
<td>4,147,270N</td>
</tr>
<tr>
<td>5. Location</td>
<td>Approx. 140' west of intersection of Bay Road &amp; Glen Ave in front of 1416 Bay Road residence, East Palo Alto</td>
</tr>
<tr>
<td>6. Contour elevation</td>
<td>22'</td>
</tr>
<tr>
<td>7. Previous designations for site</td>
<td>None</td>
</tr>
<tr>
<td>8. Owner</td>
<td>City of East Palo Alto</td>
</tr>
<tr>
<td>9. Address</td>
<td></td>
</tr>
<tr>
<td>10. Previous owners, dates</td>
<td>Unknown</td>
</tr>
<tr>
<td>11. Present tenant</td>
<td>Mildred Simon, owner of 1416 Bay Road, East Palo Alto</td>
</tr>
<tr>
<td>12. Attitude toward excavation</td>
<td>Very favorable</td>
</tr>
<tr>
<td>13. Description of site</td>
<td>Single burial disturbed by trenching for sewer line; cerithidea, ostrea, &amp; mytilus in midden</td>
</tr>
<tr>
<td>14. Area</td>
<td>1 m x 75 cm</td>
</tr>
<tr>
<td>15. Depth</td>
<td>120 cm</td>
</tr>
<tr>
<td>16. Height</td>
<td>N/A</td>
</tr>
<tr>
<td>17. Vegetation</td>
<td>Oak/grassland environment</td>
</tr>
<tr>
<td>18. Nearest water</td>
<td>San Francisquito Creek</td>
</tr>
<tr>
<td></td>
<td>drainage approx. 4800' south</td>
</tr>
<tr>
<td>19. Soil of site</td>
<td>Silty clay, dark brown</td>
</tr>
<tr>
<td>20. Surrounding soil</td>
<td>Silty clay</td>
</tr>
<tr>
<td>21. Previous excavation</td>
<td>None</td>
</tr>
<tr>
<td>22. Cultivation</td>
<td>None</td>
</tr>
<tr>
<td>23. Erosion</td>
<td>None</td>
</tr>
<tr>
<td>24. Buildings, roads, etc.</td>
<td>Bay Road</td>
</tr>
<tr>
<td>25. Possibility of destruction</td>
<td>Already disturbed</td>
</tr>
<tr>
<td>26. House pits</td>
<td>None</td>
</tr>
<tr>
<td>27. Other features</td>
<td>None</td>
</tr>
<tr>
<td>28. Burials</td>
<td>One: only cranium, right scapula, ribs, &amp; several vertebrae in situ</td>
</tr>
<tr>
<td>29. Artifacts</td>
<td>Red Franciscan chert or jasper flakes</td>
</tr>
<tr>
<td>30. Remarks</td>
<td>Burial covered with calcium carbonate (caliche); disturbed remains recovered from coroner and backdirt screening process.</td>
</tr>
<tr>
<td>31. Published references</td>
<td>None</td>
</tr>
<tr>
<td>32. UCLMA Accession No.</td>
<td></td>
</tr>
<tr>
<td>33. Sketch map</td>
<td></td>
</tr>
<tr>
<td>34. Date</td>
<td>6-16-86</td>
</tr>
<tr>
<td>35. Recorded by</td>
<td>A. Leventhal, R. Cambra, G. Seitz</td>
</tr>
<tr>
<td>36. Photos</td>
<td>on map</td>
</tr>
</tbody>
</table>
San Jose State University
Department of Anthropology

BURIAL EXCAVATION RECORD

Date 6-15-86  Site No. 1416 Bay Road  Burial No. 1
Provenience Trench  Depth 120 cm BS from datum (specify) 
Recorded by A. Leventhal  Exposed by A. Leventhal
Sex Male  Age 16-21 (see page 2 for details)

BURIAL TYPE:
Primary inhumation X
Redeposited inhumation
Primary cremation
Redeposited cremation
Other

POSITION OF SKELETON
Extended
Tightly flexed
Semi-flexed X
Sitting
Left side X
Right side
FACE: Up  Down  Side X
North  South  East  West X
ORIENTATION Head pointed south

PRESERVATION OF BONE.
Poor  Fair x  Good
Bone surfaces Covered with caliche
Bone content

ON SITE OSTELOGICAL INVENTORY (abbreviated)  C=Complete; P=partial; X=absent

<table>
<thead>
<tr>
<th>Bone</th>
<th>Cranium X</th>
<th>Mandible</th>
<th>Hyoid</th>
<th>Scapulae L R X</th>
<th>Clavicles L R</th>
<th>Sternum</th>
<th>Innominates L R</th>
<th>Sacrum</th>
<th>Ribs #comp. #part. X</th>
<th>Hand L</th>
<th>Hand R</th>
<th>Hand (indet.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Femora L R</td>
<td>Tibiae L R</td>
<td>Fibulae L R</td>
<td>Patellae L R X</td>
<td>Humeri L R</td>
<td>Ulnae L R</td>
<td>Radii L R</td>
<td>Foot L</td>
<td>Foot R</td>
<td>Foot (indet.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertebrae (complete)</td>
<td>Centra</td>
<td>Neural arches</td>
<td>Vertebrae frags. X</td>
<td>INDETERMINATE X</td>
<td>FRAGS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
REMARKS  Most of the skeletal elements disturbed by backhoe. These were collected and sent to the coroner's office for later collection by the Indians.

SIZE OF GRAVE  Length 1 m Width 75 cm Depth of pit 120 cm BS

ASSOCIATIONS: OTHER BURIALS, FEATURES  None

ASSOCIATIONS: ARTIFACTS (Itemize)  One Franciscan chert utilized flake

Criteria for Sex Determination  Robusticity of remains?

Criteria for Age Determination  Third molars not yet erupted.

OSTEOMETRICS  Cranium:  Length ______  Breadth ______  Up.Fac Ht. ______  Other ______

Long Bone Lengths (specify) __________________________

Photographs taken  By A. Leventhal  Roll# 1  Exposure(s)# 1-36

DISPOSITION OF BURIAL  Disinterred(date) 6-15-86  Packed by  A. Leventhal & R. Cambra

Shipped to  SJSU  On(date) 6-15-86  Describe shipping box  Archival

____ Left in situ and reinterred(date)______

____ Elements Disinterred on site and reburied(date)______
SJSU Department of Anthropology

CREW: Cambra, Olsen, Cruz, Sanchez
LEVENTHAL
SITE: 1416-8 Bay Rd
UNIT:
LEVEL:
REFERENCE NUMBER:

1.5m

METHODOLOGY: Shovel Trowel Pick
(circle 1 or more) Whiskbroom
Screen--size of mesh:

COMMENTS:

PHOTOS: Color____ Black & White____

NUMBER OF ARTIFACTS______

Pieces of chert____
Franciscan____
Monterey____

Pieces of obsidian____

Pieces of bone____
Quantity of shell____
Other____

BEDROCK GREATER THAN 10cm.____
BEACH COBBLES:
5 - 10 cm.____
11- 20 cm.____
Greater than 21 cm.____

CODE
ARTIFACTS: 1 2 etc.
KROTOVINA: K
ROOT: ●
FEATURES: F1 F2 etc.
BEDROCK:____
BEACH COBBLES: C
SHELL:____
Haliotis: H1 H2 etc.

****PLEASE PRINT OR WRITE LEGIBLY!!!!****

Page 1 of ___
North ORCS - Day Rd. - 11/1/86

Feature 1 / Burial 1

Skull laying on left side, 96-112 BD
O Scapula - RD?
Humerus Head
(C) Petella - 169 B.D
TENTATIVE AGENDA
EAST PALO ALTO SANITARY DISTRICT
BOARD OF DIRECTORS
JUNE 19, 1986

The Adjourned Meeting of the East Palo Alto Sanitary District Board of Directors will be held on June 19, 1986 at 7:30 p.m. in the Council Chambers at the Municipal Building, located at 2415 University Ave., East Palo Alto, California, 3rd floor, Room 3A.

1. Call to Order
2. Roll Call
3. Amendments to Agenda
4. Action Items
   a. Repair of irregular lateral configuration on Bay Road
   b. Payment for excavation of Ohlone burial site to Ohlone Family Consulting Service
5. Manager's Report
   b. Budget and Staffing Recommendations
6. Written Communications
7. Oral Communications
8. Adjournment
APPENDIX B

CA-SMA-267
SKELETAL INVENTORY
Site: CA-SMA-267  Burial No. 1  Date: 3-1-11  Recorder: DiGiuseppe

Metrics:  rt. humeral head vertical = 46.1 mm; lf. humerus bicondylar width = 59.1 mm; rt. glenoid fossa height = 38.0 mm

Sex (criteria used):  Male = see sex determination sheet

Age (criteria used):  18-22 years = see age determination sheet

Condition of Skeleton:  All elements are in fragmented condition with reconstruction done for most long bones. Caliche covers most of the skeleton so condition of skeleton is fair, volume indeterminate due to caliche

Cranium:  C(15) = cranium reconstructed (5) includes: frontal C(1); both temporal C(1) each, both parietals and occipital C(1), maxilla C(1) including lf. orbit and zygomatic (arch missing from both sides); rt orbit F(1)

If condyle; sphenoid F(2); zygo arch F(1); indeter F(5) Cribra Orbitalia:  (L) X (R) X

Mandible:  C(2)

Teeth:  Permanent-Loose 1  In-situ 24

Deciduous-Loose  In-situ

Hyoid:  X  Sternum:  I(3) = body only

Vertebrae:
- Cervical:  C(4), I(1) = C2-C(2); 2 of either C2-7-C(1); C1-I(2); 1 of either C2-C7-C(3)
- Thoracic:  C(12) = T1-C(1); T2-C(1); T3-C(2); T4-C(2); T5-C(2); T6-C(2); T7-C(3); T8-C(1); T9-C(1); T10-C(1), T11-C(1), F(5) spinous processes; F(1) indeterminate
- Lumbar:  C(1) of either L3, L4; I(1) body; F(2) bodies; F(1) superior apophyseal facet
- Sacrum:  X
- Indeterminate:  F(9)

Os Coxae:

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<thead>
<tr>
<th></th>
<th>LEFT</th>
<th>RIGHT</th>
<th>INDT</th>
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<tbody>
<tr>
<td>Mature</td>
<td>X</td>
<td>F(2) - ilium</td>
<td>X</td>
</tr>
<tr>
<td>Immature:</td>
<td>Pubis</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Ilium</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Ischium</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

APPENDIX B-1
APPENDIX B-2

Ribs: No. Complete (L) 6 inc. 1st rib (R) 6 inc. 1st rib No. Incomplete F(102 + 8 vert ends + 3 stern ends)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Clavicle</td>
<td>C(2)</td>
<td>F(2)</td>
<td>X</td>
<td>Scapula</td>
<td>C(8)</td>
</tr>
<tr>
<td>Humerus</td>
<td>C(4)</td>
<td>C(3)R</td>
<td>X</td>
<td>Femur</td>
<td>C(5)R</td>
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<tr>
<td>Radius</td>
<td>C(3)</td>
<td>C(3)</td>
<td>X</td>
<td>Patella</td>
<td>C(1)</td>
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<tr>
<td>Ulna</td>
<td>C(2)</td>
<td>C(3)</td>
<td>X</td>
<td>Tibia</td>
<td>C(6)R</td>
</tr>
<tr>
<td>Fibula</td>
<td>I(2)</td>
<td>C(4)R</td>
<td>X</td>
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</tbody>
</table>

Carpals:
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</thead>
<tbody>
<tr>
<td>Navicular</td>
<td>X</td>
<td>C(1)</td>
<td>X</td>
<td>Lunate</td>
<td>X</td>
</tr>
<tr>
<td>Triquetral</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Cuboid</td>
<td>X</td>
</tr>
<tr>
<td>Pisiform</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Navicular</td>
<td>X</td>
</tr>
<tr>
<td>Grt. Mult.</td>
<td>C(1)</td>
<td>X</td>
<td>X</td>
<td>1st Cuneiform</td>
<td>X</td>
</tr>
<tr>
<td>Lsr. Mult.</td>
<td>X</td>
<td>I(1)</td>
<td>X</td>
<td>2nd Cuneiform</td>
<td>X</td>
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<tr>
<td>Capitate</td>
<td>X</td>
<td>C(1)</td>
<td>X</td>
<td>3rd Cuneiform</td>
<td>X</td>
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</table>

Metacarpals:
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<th>RIGHT</th>
<th>INDT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 1</td>
<td>F(1)</td>
<td>I(1)</td>
<td>X</td>
<td>MT 1</td>
<td>X</td>
</tr>
<tr>
<td>MC 2</td>
<td>C(1)</td>
<td>I(1)</td>
<td>X</td>
<td>MT 2</td>
<td>X</td>
</tr>
<tr>
<td>MC 3</td>
<td>X</td>
<td>I(1)</td>
<td>X</td>
<td>MT 3</td>
<td>X</td>
</tr>
<tr>
<td>MC 4</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>MT 4</td>
<td>X</td>
</tr>
<tr>
<td>MC 5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>MT 5</td>
<td>X</td>
</tr>
</tbody>
</table>

Phalanges: Hand C(4): 3 prox, 1 mid; F(3) Foot C(5): 3 prox, 1 mid, 1 distal

Indeterminate F(2) = distal MT; I(2) of long bones, diaphysis only; F(1) of MC diaphysis; F(3) phalanx prox.

MC/MT distal head, hand or foot diaphysis; one bag of indeterminate fragments = 262.1 grams

Additional Notes extra individual present – represented by F(3) of the ulna

KEY:
C (1) = complete (2/3 of element with articulating surfaces)
I (1) = incomplete (less than 2/3 of element but more than 1/3 with articulating surface)
F (1) = fragmentary (less than 1/3 of element or shafts only)
X = absent
Ribs = complete indicates that the vertebral end is present as well as completely present.
If element is complete but in pieces, indicate thus: C (3) for number of pieces
If epiphyses present on subadult’s long bone indicate thus:

Femur C (1)
## SEXING DETERMINATION*

<table>
<thead>
<tr>
<th>Pelvis:</th>
<th>Male</th>
<th>Female</th>
<th>Indet.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-pubic Angle</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Shape of Pubis</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ventral Arc</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Doral Pits</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Acetabulum</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Greater Sciatic Notch</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Prearicular Sulcus</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skull:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuchal Crest</td>
<td>4</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Mastoid Process</td>
<td>4</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Supraorbital Margin</td>
<td>X</td>
<td>X</td>
<td>3</td>
</tr>
<tr>
<td>Supraorbital Ridge</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Mental Eminence</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ascending Ramus</td>
<td>4</td>
<td>X</td>
<td>X</td>
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</table>

<table>
<thead>
<tr>
<th>Other:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Glenoid Fossa (rt)</td>
<td>&lt;34 (F) &gt; 37 (M)</td>
<td>38.0</td>
<td>X</td>
</tr>
<tr>
<td>Vert. dia. of Humeral Head (rt)</td>
<td>&lt;43 (F) &gt; 47 (M)</td>
<td>46.9</td>
<td>X</td>
</tr>
<tr>
<td>Max. width of Humeral Epicondyle (lf)</td>
<td>&lt;56.8 (F) &gt; 63.9 (M)</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Max. dia. of Femoral Head</td>
<td>&lt;43.5 (F) &gt; 46.5 (M)</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Comments: Individual’s cranium is covered in caliche making determination of sex difficult at best; only a few criteria suggests possible male.

**the max. width of the humeral epicondyle on the left side measures 59.1 mm, with a portion of the lateral side missing. If we use the distance from the edge of the capitulum to the end of the lateral epicondyle from the right humerus of 7.16 mm and add it to the 59.1 mm from the left side, the total width = 66.26 mm indicating this is a male individual. Though again, both elements are covered in thick caliche.

*See 1994 Standards by Buikstra and Ubelaker for Scoring Criteria, see pages 16-32
### AGEING DETERMINATION*

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Phase</th>
<th>Age-Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental (all erupted)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X*</td>
</tr>
<tr>
<td>Long bone fusion</td>
<td>Yes</td>
<td>X</td>
<td>X</td>
<td>&gt;18</td>
</tr>
<tr>
<td>Pubic symphysis</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Auricular Surface</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Osteoarthritis</td>
<td>X</td>
<td>No</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Rib – sternal end</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**Comments**

- *Third molars are absent and not present in the crypt – x-rays taken support this diagnosis. Cannot be used for aging*
- Vertebral rib ends only partially fused – 17 – 22 years of age (Scheuer and Black, 2000)
- Complete long bone fusion - >18 years (Scheuer and Black, 2000)
- Overall estimate – 18-22 years of age

*See 1994 Standards by Buikstra and Ubelaker for Scoring Criteria, see pages 16-32*
## DENTAL PATHOLOGIES

### TOOTH WEAR

<table>
<thead>
<tr>
<th>Wear</th>
<th>Other Pathologies</th>
<th>Wear</th>
<th>Other Pathologies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Upper:</strong></td>
<td></td>
<td><strong>Lower:</strong></td>
<td></td>
</tr>
<tr>
<td>RM³</td>
<td>X</td>
<td>RM³</td>
<td>X</td>
</tr>
<tr>
<td>RM²</td>
<td>3</td>
<td>RM²</td>
<td>3</td>
</tr>
<tr>
<td>RM¹</td>
<td>6</td>
<td>RM¹</td>
<td>X</td>
</tr>
<tr>
<td>RP²</td>
<td>3</td>
<td>RP¹</td>
<td>2</td>
</tr>
<tr>
<td>RP¹</td>
<td>2</td>
<td>RC⁺</td>
<td>2</td>
</tr>
<tr>
<td>RI²</td>
<td>4</td>
<td>RI¹</td>
<td>X</td>
</tr>
<tr>
<td>Lⁱ</td>
<td>4</td>
<td>L²</td>
<td>2</td>
</tr>
<tr>
<td>L⁲</td>
<td>2</td>
<td>LC⁺</td>
<td>2</td>
</tr>
<tr>
<td>LP¹</td>
<td>2</td>
<td>LP¹</td>
<td>X</td>
</tr>
<tr>
<td>LM¹</td>
<td>6</td>
<td>LM¹</td>
<td>5</td>
</tr>
<tr>
<td>LM²</td>
<td>4</td>
<td>LM²</td>
<td>5</td>
</tr>
<tr>
<td>LM³</td>
<td>X</td>
<td>LM³</td>
<td>X</td>
</tr>
</tbody>
</table>

**Periodontal Disease:** area obscured by caliche, none evident

**NOTE:** no apparent hypoplasia, no abscesses, slight palatine torus (1)

### KEY:
- X = absent
- XU = absent/unerupter
- A/U = ante-mortem tooth loss
- F = fragmentary (non-diagnostic)
- C = caries
- A = abscesses
- PSI = peg shaped incisors
- CAL = calculi
- SS = shovel shaped (single or double)
- HY = hypoplasia
- DM = dental modification
- CAR = carabelli’s cusp
- W = winging
- SSS = single shovel-shaped
- DSS = double shovel-shaped
## PATHOLOGIES

<table>
<thead>
<tr>
<th>Element Involved</th>
<th>Description of Lesion</th>
<th>Differential Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>T10, T11</td>
<td>bodies of these two thoracic have unusual shape with a diagonal slope to the left side as opposed to being rounded, is less pronounced on T9</td>
<td>unknown, probably only variation in skeleton, though the upper thoracic do not have this slant</td>
</tr>
<tr>
<td>T8</td>
<td>ridge development with slight spicules along neural arch, also beginning to show on the T7, T9, T10, T11</td>
<td>possible beginning of laminal spurs – stress/activity indicator</td>
</tr>
<tr>
<td>occipital</td>
<td>slightly robust/prominent “highest nuchal line” where the galea aponeurotica is attached</td>
<td>robust muscle marker</td>
</tr>
</tbody>
</table>

**Notes**

---

APPENDIX B-7
## Infectious Disease

<table>
<thead>
<tr>
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<th>Description of Lesion</th>
<th>Differential Diagnosis</th>
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**Notes**

__________________________
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## DEGENERATIVE JOINT DISEASE – UPPER PERIPHERAL SKELETON

### TEMPORO-MANDIBULAR JOINT

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<th>Left</th>
<th>Notes</th>
<th>Right</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Glenoid Fossa</td>
<td>X</td>
<td>obscured/present</td>
<td>X</td>
<td>obscured/present</td>
</tr>
<tr>
<td>Mand. Condyle</td>
<td>X</td>
<td>p/m damage</td>
<td>0</td>
<td></td>
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<tr>
<td><strong>Total Joint Score</strong></td>
<td>X</td>
<td></td>
<td>0</td>
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Notes:

### SHOULDER

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</thead>
<tbody>
<tr>
<td>Scapula (Glenoid)</td>
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<td>0</td>
<td></td>
</tr>
<tr>
<td>Proximal Humerus</td>
<td>0</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Total Joint Score</strong></td>
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Notes: covered in caliche

### ELBOW

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<tbody>
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<td>Distal Humerus</td>
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<td>0</td>
<td></td>
</tr>
<tr>
<td>Proximal Ulna</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proximal Radius</td>
<td>0</td>
<td></td>
<td>0</td>
<td></td>
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<tr>
<td><strong>Total Joint Score</strong></td>
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<td>0</td>
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Notes:

### WRIST

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<th>Notes</th>
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</thead>
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<td>Distal Ulna</td>
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<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distal Radius</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carpals</td>
<td>X</td>
<td>p/m damage</td>
<td>0</td>
<td>caliche</td>
</tr>
<tr>
<td><strong>Total Joint Score</strong></td>
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<td></td>
<td>0</td>
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Notes: all epiphyses covered in caliche

### HAND

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Notes: covered in caliche or damaged p/m, thus all determinations of degenerative disease is speculative
### DEGENERATIVE JOINT DISEASE – LOWER PERIPHERAL SKELETON

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**Notes:** covered in caliche or damaged p/m, thus all determinations of degenerative disease is speculative
### DEGENERATIVE SPINAL DISEASE

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**Notes:** All of the vertebrae are covered in caliche. The scores are speculative for all due to the level of caliche covering the elements.
CRANIAL MEASUREMENT RECORDING FORM: ADULT REMAINS

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<tr>
<td>Maximum cranial breadth</td>
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<tr>
<td>Bizygomatic diameter</td>
<td>~123</td>
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<tr>
<td>Crania base length</td>
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<tr>
<td>Basion-prosthion length</td>
<td>X</td>
</tr>
<tr>
<td>Basion-bregma height</td>
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</tr>
<tr>
<td>Biauricular breadth</td>
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<tr>
<td>Maxillo-alveolar breadth</td>
<td>68.5</td>
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<tr>
<td>Maxillo-alveolar length</td>
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</tr>
<tr>
<td>Upper facial height</td>
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</tr>
<tr>
<td>Minimum frontal breadth</td>
<td>96.0</td>
</tr>
<tr>
<td>Upper facial breadth</td>
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<tr>
<td>Nasal breadth</td>
<td>~21.8</td>
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<tr>
<td>Biorbital breadth</td>
<td>X</td>
</tr>
<tr>
<td>Interorbital breadth</td>
<td>X</td>
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<tr>
<td>Orbital breadth</td>
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<td>Orbital height</td>
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<td>Frontal chord</td>
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<td>Parietal chord</td>
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<td>Foramen magnum max length</td>
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<tr>
<td>Foramen magnum max breadth</td>
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<tr>
<td>Mastoid Length</td>
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<tr>
<td>Chin height</td>
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<td>Height of the mandibular body</td>
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<tr>
<td>Breadth of the mandibular body</td>
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</tr>
<tr>
<td>Bigonial width</td>
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<tr>
<td>Bicondylar breadth</td>
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<tr>
<td>Minimum ramus breadth</td>
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<tr>
<td>Maximum ramus breadth</td>
<td>48.7</td>
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<tr>
<td>Maximum ramus height</td>
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<tr>
<td>Mandibular length</td>
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<tr>
<td>Mandibular angle</td>
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*estimated due to reconstruction of cranium
CRANIAL AND POSTCRANIAL MEASUREMENT RECORDING FORM: ADULT REMAINS

### POSTCRANIAL MEASUREMENTS, mm:

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<td>Clavicle: maximum length</td>
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<tr>
<td>Clavicle: anterior-posterior diameter at midshaft (If)</td>
<td>12.3</td>
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<tr>
<td>Clavicle: medial-lateral diameter at midshaft (If)</td>
<td>13.2</td>
</tr>
<tr>
<td>Humerus: maximum length (rt)</td>
<td>~323</td>
</tr>
<tr>
<td>Humerus: epicondylar breadth (If)</td>
<td>59.4</td>
</tr>
<tr>
<td>Humerus: vertical diameter of head (rt)</td>
<td>46.1</td>
</tr>
<tr>
<td>Humerus: anterior-posterior diameter at midshaft (rt)</td>
<td>20.4</td>
</tr>
<tr>
<td>Humerus: medial-lateral diameter at midshaft (rt)</td>
<td>23.3</td>
</tr>
<tr>
<td>Radius: maximum length</td>
<td>X</td>
</tr>
<tr>
<td>Radius: anterior-posterior diameter at midshaft (If)</td>
<td>14.9 (caliche thick)</td>
</tr>
<tr>
<td>Radius: medial-lateral diameter at midshaft (If)</td>
<td>18.6 (caliche thick)</td>
</tr>
<tr>
<td>Ulna: maximum length</td>
<td>X</td>
</tr>
<tr>
<td>Ulna: anterior-posterior diameter at midshaft (If)</td>
<td>17.5 (caliche thick)</td>
</tr>
<tr>
<td>Ulna: medial-lateral diameter at midshaft (If)</td>
<td>17.5 (caliche thick)</td>
</tr>
<tr>
<td>Os Coxae: iliac breadth</td>
<td>X</td>
</tr>
<tr>
<td>Os Coxae: pubis length</td>
<td>X</td>
</tr>
<tr>
<td>Os Coxae: Ischium length</td>
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<tr>
<td>Femur: maximum head diameter</td>
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<tr>
<td>Femur: epicondylar breadth</td>
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<tr>
<td>Femur: maximum length</td>
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</tr>
<tr>
<td>Femur: anterior-posterior diameter at midshaft (rt)</td>
<td>25.3</td>
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<tr>
<td>Femur: medial-lateral diameter at midshaft (rt)</td>
<td>26.8</td>
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<tr>
<td>Tibia: maximum length (rt)</td>
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<tr>
<td>Tibia: maximum proximal epiphyseal breadth (rt)</td>
<td>73.3</td>
</tr>
<tr>
<td>Tibia: maximum distal epiphyseal breadth (rt)</td>
<td>47.3</td>
</tr>
<tr>
<td>Tibia: anterior-posterior diameter at the nutrient foramen (rt)</td>
<td>39.3</td>
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<tr>
<td>Tibia: medial-lateral diameter at the nutrient foramen</td>
<td>24.3</td>
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<td>Fibula: maximum length</td>
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<tr>
<td>Fibula: maximum diameter at midshaft (rt)</td>
<td>17.9</td>
</tr>
<tr>
<td>Calcaneus: maximum length</td>
<td>X</td>
</tr>
<tr>
<td>Calcaneus: middle breadth</td>
<td>X</td>
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</table>
The equations used for determining stature from Genoves’ research are:

**Males:**
- All bones: \( \text{Stature} = 2.52(\text{Rad}) - 0.07(\text{Ulna}) + 0.44(\text{Hum}) + 2.98(\text{Fib}) - 0.49(\text{Tib}) + 0.68(\text{Fem}) + 95.113 \pm 2.614 \)
- Femur: \( \text{Stature} = 2.26(\text{Femur}) + 66.379 \pm 3.417 \)
- Tibia: \( \text{Stature} = 1.96(\text{Tibia}) + 93.752 \pm 2.812 \)

**Females:**
- All bones: \( \text{Stature} = 8.66(\text{Rad}) - 7.37(\text{Ulna}) + 1.25(\text{Tib}) - 0.93(\text{Fem}) + 96.674 \pm 2.812 \)
- Femur: \( \text{Stature} = 2.59(\text{Femur}) + 49.742 \pm 3.816 \)
- Tibia: \( \text{Stature} = 2.72(\text{Tibia}) + 63.781 \pm 3.513 \)

Use Tables 12 and 13, Genoves (1967) for individual elements: femur, tibia, fibula, humerus, ulna, and radius.

<table>
<thead>
<tr>
<th>Element</th>
<th>Measurement, mm</th>
<th>Stature, cm</th>
<th>Height, in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*tibia, rt.</td>
<td>370</td>
<td>164.2</td>
<td>64.7</td>
</tr>
<tr>
<td>*humerus, rt.</td>
<td>323</td>
<td>164.5</td>
<td>64.8</td>
</tr>
</tbody>
</table>

*elements have been reconstructed

Stature (estimation): 5’4” to 5’5”

The equations used for determining stature from Auerbach’s research are:

**Males:**
- Femur: \( \text{Stature} = 0.254 \times \text{FBL} + 52.85 \) (FBL = femoral bicondylar length, mm)
- Tibia: \( \text{Stature} = 0.302 \times \text{TML} + 51.66 \) (TML = tibial maximum length, mm)

**Females:**
- Femur: \( \text{Stature} = 0.267 \times \text{FBL} + 44.80 \) (FBL = femoral bicondylar length, mm)
- Tibia: \( \text{Stature} = 0.296 \times \text{TML} + 52.30 \) (TML = tibial maximum length, mm)

<table>
<thead>
<tr>
<th>Element</th>
<th>Measurement, mm</th>
<th>Stature, cm</th>
<th>Height, in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*tibia, rt.</td>
<td>370</td>
<td>163.4</td>
<td>64.3</td>
</tr>
</tbody>
</table>

Stature (estimation): 5’4”
### ADDITIONAL NOTES

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<th>Bone</th>
<th>Notes</th>
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<tr>
<td>rt. tibia</td>
<td>Caliche thickly covers the upper portion of the element, on the posterior side. The caliche has either been removed manually or fallen off on its own. Where the caliche is missing, the cortex appears weathered, dry, with cracking on the distal posterior diaphysis. Additional cracking is present on the proximal diaphysis lateral side, though this may be more to soil pressures cracking the bone. There is several indications of post-mortem damage due to excavation along the anterior crest. Longitudinal cracking is an indication of? (check Simms)</td>
</tr>
<tr>
<td>rt. humerus</td>
<td>Similar to the right tibia, where the caliche is missing the bone cortex looks weathered with evidence of longitudinal cracking on the diaphysis, both anterior and posterior.</td>
</tr>
<tr>
<td>rt. femur</td>
<td>Recent scratch damage is present on the anterior diaphysis determined by the level of polishing and the striations that are not indicative of stone tool marks, possibly caused by the removal of caliche from the diaphysis. Additionally, there are some rodent gnawing in the same vicinity. Cracking is present in several locations along the diaphysis. Bone under caliche appears weathered.</td>
</tr>
<tr>
<td>If. femur</td>
<td>P/m damage on the anterior surface due to excavation impacting the bone.</td>
</tr>
<tr>
<td>rt. scapula and T1</td>
<td>These two elements fused together by caliche. No evidence of any pathology on either of these elements, though the caliche is very thick on the posterior side under the spine and inferior to the acromium process.</td>
</tr>
<tr>
<td>rt. ulna and radius</td>
<td>Both of these two elements were fused together by caliche. No evidence of trauma is present on either element.</td>
</tr>
<tr>
<td>rt. lunate and</td>
<td>Both of these two elements were fused together by caliche.</td>
</tr>
<tr>
<td>triquetral</td>
<td>Except for the large muscle marker on the back of the cranium, the caliche obscures the muscle markers on the long bones.</td>
</tr>
<tr>
<td></td>
<td>It appears that when the caliche has been removed manually, that the cortex may have been damaged giving it the weathered appearance.</td>
</tr>
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APPENDIX B-17
ADDITIONAL NOTES

Craniometric determination for cranial shape and biometric traits:

Cranial length = 21.0 cm

Cranial breadth = 12.9 cm

21.0 / 12.9 x 100 = 61.4 index

Based on these numbers, this individual's cranial shape is considered dolichocrany
Sex: Male
Age: 18-22
APPENDIX C

CA-SMA-267
ARTIFACT AND FAUNAL CATALOG
ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267  Date: 3/21/2011


Coordinates: Unit 1/Stratum V/85-103 cm BS  Reference No.: #1

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1</td>
<td>Shell</td>
<td>15 Cerithidea californica; wt. 5.6 grams</td>
</tr>
<tr>
<td>1-2</td>
<td>Shell</td>
<td>81 Ostrea lurida; wt. 27.6 grams</td>
</tr>
<tr>
<td>1-3</td>
<td>Shell</td>
<td>4 Mytilus edulis; wt. 0.8 grams</td>
</tr>
<tr>
<td>1-4</td>
<td>Faunal</td>
<td>2 faunal bones – rodent; 0.3 grams</td>
</tr>
<tr>
<td>1-5</td>
<td>Cobbles and pebbles</td>
<td>11 sandstone – reviewed and de-accessioned</td>
</tr>
<tr>
<td>1-6</td>
<td>Baked clay</td>
<td>8 pieces of baked clay; wt. 147.6 grams</td>
</tr>
<tr>
<td>1-7</td>
<td>Cobble fragments</td>
<td>6 cobble, cobble fragments and pebbles as samples from the burial matrix, Wt. 763.5 gr.</td>
</tr>
</tbody>
</table>

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267  Date: 3/21/2011

Level/Stratum: Unit 1 - Stratum I  Recorder: Leventhal/DiGiuseppe

Coordinates: 0-17 cm BS (Road Bed/Asphalt)  Reference No.: #2

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Nothing Recovered,</td>
<td>No cultural materials</td>
</tr>
</tbody>
</table>

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267  Date: 3/21/2011

Level/Stratum: Unit 1 – Stratum II  Recorder: Leventhal/DiGiuseppe

Coordinates: 17-32 cm BS (Sub-Bed/Gravel)  Reference No.: #3

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1</td>
<td>Sandstone cobbles</td>
<td>19 – Pebbles and cobble frags. Noted at 26-30 cm BS; sandstone rounded to subrounded, some were split – 2 specimens saved as samples Wt. 318.3 gr.</td>
</tr>
</tbody>
</table>
## ARTIFACT AND FAUNA RECORD CATALOG

**Site No.:** CA-SMA-267  
**Date:** 3/21/2011  
**Level/Stratum:** Unit 1 – Stratum III  
**Recorder:** Leventhal/DiGiuseppe  
**Coordinates:** 32-44 cm BS  
**Reference No.:** #4

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1</td>
<td>Baked clay</td>
<td>21 pieces of baked clay; wt. 143.9 grams</td>
</tr>
<tr>
<td>4-2</td>
<td>Shell</td>
<td>51 <em>Cerithidea californica</em>; wt. 22.0 grams</td>
</tr>
<tr>
<td>4-3</td>
<td>Shell</td>
<td>340+ <em>Ostrea lurida</em>; wt. 168.4 grams</td>
</tr>
<tr>
<td>4-4</td>
<td>Shell</td>
<td>1 <em>Penitella pineta</em> (boring clam); wt. 0.6 grams</td>
</tr>
<tr>
<td>4-5</td>
<td>Soil sample</td>
<td>Above Burial</td>
</tr>
</tbody>
</table>

## ARTIFACT AND FAUNA RECORD CATALOG

**Site No.:** CA-SMA-267  
**Date:** 3/21/2011  
**Level/Stratum:** Unit 1 – Stratum IV  
**Recorder:** Leventhal/DiGiuseppe  
**Coordinates:** 44-85 cm BS  
**Reference No.:** #5

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-1</td>
<td>Shell</td>
<td>7 <em>Cerithidea</em>; wt. 4.2 grams</td>
</tr>
<tr>
<td>5-2</td>
<td>Shell</td>
<td>71 <em>Ostrea lurida</em>; wt. 36.8 grams</td>
</tr>
<tr>
<td>5-3</td>
<td>Shell</td>
<td>7 <em>Mytilus edulis</em>; wt. 2.7 grams</td>
</tr>
<tr>
<td>5-4</td>
<td>Shell</td>
<td>1 <em>Penitella pineta</em>; wt. 0.5 grams</td>
</tr>
<tr>
<td>5-5</td>
<td>Cobbles</td>
<td>4 cobble fragments of sandstone</td>
</tr>
</tbody>
</table>

## ARTIFACT AND FAUNA RECORD CATALOG

**Site No.:** CA-SMA-267 (Burial Zone)  
**Date:** 3/21/2011  
**Level/Stratum:** Unit 1 – Stratum V  
**Recorder:** Leventhal/DiGiuseppe  
**Coordinates:** 85-103/103-135 cm BS  
**Reference No.:** #6

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-1</td>
<td>Shell</td>
<td>4 <em>Cerithidea californica</em>; wt. 1.8 grams</td>
</tr>
<tr>
<td>6-2</td>
<td>Shell</td>
<td>29 <em>Ostrea lurida</em>; wt. 6.1 grams</td>
</tr>
<tr>
<td>6-3</td>
<td>Crab claw</td>
<td>1 <em>Cancer</em> sp? claw; wt. 0.1 grams</td>
</tr>
<tr>
<td>6-4</td>
<td>Vitrified clay</td>
<td>1 piece – de-accessioned</td>
</tr>
<tr>
<td>6-5</td>
<td>Baked clay</td>
<td>1 piece baked clay; wt. 26.3 grams</td>
</tr>
<tr>
<td>6-6</td>
<td>Vitrified clay</td>
<td>1 Vitrified clay; wt. 36.6 grams</td>
</tr>
<tr>
<td>6-7</td>
<td>Vitrified clay</td>
<td>1 Vitrified clay; wt. 18.9 grams</td>
</tr>
<tr>
<td>6-8</td>
<td>Cobbles</td>
<td>15 cobble fragments and pebbles, sandstone</td>
</tr>
<tr>
<td>6-9</td>
<td>Soil sample</td>
<td>Below Burial 1</td>
</tr>
<tr>
<td>6-10</td>
<td>Soil sample</td>
<td>From under skull</td>
</tr>
</tbody>
</table>

**APPENDIX C-2**
ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 (Burial 1)  Date: 3/21/2011
Level/Stratum: Unit 1 – Stratum V  Recorder: Leventhal/DiGiuseppe
Coordinates: 85-103/103-135 cm BS  Reference No.: #6 (continued)

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-11</td>
<td>Soil sample</td>
<td>From below Burial 1</td>
</tr>
<tr>
<td>6-12</td>
<td>Soil sample</td>
<td>From below Burial 1</td>
</tr>
<tr>
<td>6-13</td>
<td>Vitrified clay</td>
<td>1 piece – de-accessioned</td>
</tr>
<tr>
<td>6-14</td>
<td>Lithic – utilized flake found in association with Burial</td>
<td>1 red Franciscan chert; wt. 2.2 grams; bulbar length 20.1 mm x 25.0 mm x 4.2 mm; Edge Unit 1 (EU1) length is 10.8 mm straight to slightly concaved, PEA 34-39°, DEA 67-78°, unifacial crushing and stepped fractures located on the left lateral edge ventral view; EU2 length is 10.2 mm straight, PEA 37-42°, DEA 84-85°, unifacial retouch and slight nibbling located on the lower left lateral edge, dorsal view</td>
</tr>
</tbody>
</table>

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267  Date: 3/21/2011
Level/Stratum: Unit 1 – Stratum VI  Recorder: Leventhal/DiGiuseppe
Coordinates: 135-160 cm BS (Sterile)  Reference No.: #7

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Nothing recovered</td>
<td>No cultural materials</td>
</tr>
</tbody>
</table>

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267  Date: 3/21/2011
Level/Stratum: Backhoe Trench  Recorder: Leventhal/DiGiuseppe
Coordinates: Backdirt Screen Recovery  Reference No.: #8

<table>
<thead>
<tr>
<th>Catalogue No.</th>
<th>Artifact Type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-1</td>
<td>Baked clay</td>
<td>5 pieces baked clay; wt. 66.3 grams</td>
</tr>
<tr>
<td>8-2</td>
<td>Cobbles</td>
<td>Cobbles, cobble fragments and pebbles – 137 – 98% fine grained sandstone, small percentage burnt, de-accessioned</td>
</tr>
<tr>
<td>8-3</td>
<td>Screened soil sample</td>
<td>From Backhoe Trench</td>
</tr>
<tr>
<td>8-4</td>
<td>Clam shells</td>
<td>10 small clams shells, Historic?</td>
</tr>
</tbody>
</table>
APPENDIX D

AMS C^{14} DATING RESULTS
CA-SCL-267
APPENDIX D
RESULTS OF THE AMS DATING OF THE LOŠKOWIŠ ’AWWEŠ TÁAREŠ BURIAL

Tuesday, October 09, 2007

Contact: Leventhal, A.

<table>
<thead>
<tr>
<th>AA #</th>
<th>Sample ID</th>
<th>Suite</th>
<th>Material</th>
<th>d13C</th>
<th>F</th>
<th>14C age BP</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA74798</td>
<td>CA-SMA-267 B-1</td>
<td>1 of 3</td>
<td>bone</td>
<td>-19.9</td>
<td>0.629 +- 0.0040</td>
<td>3,713 +- 51</td>
</tr>
</tbody>
</table>

Corrected Dates: Site # | CalPal Date | Calib 6.0.1Date | Temporal Placement
---|---|---|---
Burial 1 | CA-SMA-267 | 2115 ± 73 BC | 2084 BC | Archaic/Early Bay/Stanford Man II

Notes:

Burial 1 (Loškowiš ’Awweš Táareš [White Salt Man] Burial) from CA-SMA-267 turned out to be far older than what we had predicted which was expected to date between 300 BC to 300 AD. This burial is no doubt closely related to the burials that Gerow dated from the Stanford Man II site CA-SCL-33 (dating 2400 BC and 2450 BC) and Sunnyvale site (dating 2440 BC and 2520 BC). The Loškowiš ’Awweš Táareš [White Salt Man] Burial is also over 500 years older than the oldest date that Gerow obtained from the University Village cemetery (CA-SMA-77).