APPENDIX B

RADIOCARBON DATING RESULTS

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Three samples collected from the Chemical Building Seismic Trenches (two samples from Trench South 2a and one from Trench South 2b) were submitted to Beta Analytic, Inc, in Miami, FL, for radiocarbon pretreatment and analyses. One sample from Trench South 2a was determined to be unsuitable for dating during the pretreatment process. Therefore, a second sample was collected and submitted. The significance of the results is discussed in the text of the report. The attached pages are the Beta Analytic report sheets.

FROM: Darden Hood, Director (mailto:<u>mailto:dhood@radiocarbon.com</u>)
(This is a copy of the letter being mailed. Invoices/receipts follow only by mail.)

September 6, 2006

Mr. Jeffrey R. Keaton Mactec 200 Citadel Drive Los Angeles, CA 90040 USA

RE: Radiocarbon Dating Result For Sample BW-3-TS2B

Dear Mr. Keaton:

Enclosed is the radiocarbon dating result for one sample recently sent to us. It provided plenty of carbon for an accurate measurement and the analysis proceeded normally. The report sheet contains the method used, material type, and applied pretreatments and, where applicable, the two-sigma calendar calibration range.

This report has been both mailed and sent electronically. All results (excluding some inappropriate material types) which are less than about 20,000 years BP and more than about ~250 BP include a calendar calibration page (also digitally available in Windows metafile (.wmf) format upon request). Calibration is calculated using the newest (1998) calibration database with references quoted on the bottom of the page. Multiple probability ranges may appear in some cases, due to short-term variations in the atmospheric 14C contents at certain time periods. Examining the calibration graph will help you understand this phenomenon. Don't hesitate to contact us if you have questions about calibration.

We analyzed this sample on a sole priority basis. No students or intern researchers who would necessarily be distracted with other obligations and priorities were used in the analysis. We analyzed it with the combined attention of our entire professional staff.

Information pages are also enclosed with the mailed copy of this report. If you have any specific questions about the analysis, please do not hesitate to contact us. Someone is always available to answer your questions.

Thank you for prepaying the analysis. As always, if you have any questions or would like to discuss the results, don't hesitate to contact me.

Sincerely,

Darden Hood

Mr. Jeffrey R. Keaton

Report Date: 9/6/2006

Mactec

Material Received: 8/28/2006

Sample Data	Measured Radiocarbon Age	13C/12C Ratio	Conventional Radiocarbon Age(*)
Beta - 220275 SAMPLE : BW-3-TS2B ANALYSIS : AMS-PRIORITY de	NA	-25.5 o/oo	> 37500 BP
MATERIAL/PRETREATMENT : COMMENT: A Measured Radioca confidence than is appropriate.	(charred material): acid/alkali/acid arbon Age is not reported for infinite of	lates since corrections may	imply a greater level of

FROM: Darden Hood, Director (mailto:<u>mailto:dhood@radiocarbon.com</u>)
(This is a copy of the letter being mailed. Invoices/receipts follow only by mail.)

September 11, 2006

Mr. Jeffrey R. Keaton Mactec 200 Citadel Drive Los Angeles, CA 90040 USA

RE: Radiocarbon Dating Result For Sample BW-5-TS2A

Dear Mr. Keaton:

Enclosed is the radiocarbon dating result for one sample recently sent to us. It provided plenty of carbon for an accurate measurement and the analysis proceeded normally. As usual, the method of analysis is listed on the report sheet and calibration data is provided where applicable.

As always, no students or intern researchers who would necessarily be distracted with other obligations and priorities were used in the analysis. It was analyzed with the combined attention of our entire professional staff.

If you have specific questions about the analyses, please contact us. We are always available to answer your questions.

Thank you for prepaying the analysis. As always, if you have any questions or would like to discuss the results, don't hesitate to contact me.

Sincerely,

Darden Hood

Mr. Jeffrey R. Keaton

Mactec

Material Received: 8/31/2006

Sample Data	Measured	13C/12C	Conventional
	Radiocarbon Age	Ratio	Radiocarbon Age(*)
Beta - 220382	80 +/- 40 BP	-25.9 0/00	70 +/- 40 BP
SAMPLE: BW-5-TS2A			
ANALYSIS : AMS-PRIORITY de	livery		
MATERIAL/PRETREATMENT :	(plant material): acid/alkali/acid		
2 SIGMA CALIBRATION :	Cal AD 1680 to 1740 (Cal BP 270 to Cal AD 1950 to beyond 1960 (Cal B	210) AND Cal AD 1810 to P 0 to 0)	1930 (Cal BP 140 to 20)

CALIBRATION OF RADIOCARBON AGE TO CALENDAR YEARS



Beta Analytic Radiocarbon Dating Laboratory

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