



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

August 7, 2015

Ms. Judith Deel
Compliance Coordinator
Missouri Department of Natural Resources
State Historic Preservation Office
PO Box 176
Jefferson City, MO 65102

**SUBJECT: US NUCLEAR REGULATORY COMMISSION, CONTINUING
PALEOLIQUEFACTION FIELD WORK ALONG SELECTED RIVER SEGMENTS
IN MISSOURI**

Dear Ms. Deel:

The United States Nuclear Regulatory Commission (NRC) has performed the field work described in our Section 106 consultation letter sent to your office, dated [date] (enclosed). The field work identified various paleoliquefaction features in Missouri for the purpose of assessing seismic hazards to commercial nuclear power plants. The NRC's contractor conducted this field work along various river segments in Missouri (please see Figure 1 below for the location of the work conducted previously) during September through December of 2013 and 2014. In response to our letter of August 23, 2012, your office, by letter dated September 4, 2012 (enclosed), concurred with the NRC's determination that the field work would have no adverse effect on any historic properties located in or along the subject river segments.

The NRC plans to continue the field work described in its letter of August 23, 2012 in Missouri during the months of September through December 2015. Figure 2 shows additional river segments in Missouri that may be the subject of the NRC's continuing field work. Due to the limited scope and minor disturbance of this field work, the NRC has determined that the expansion of the field work to these additional river segments will have no adverse effect on any historic properties located along or in these river segments, assuming such properties are present.

In the event that the NRC considers any particular site along any of the subject river segments to be a candidate site for a paleoliquefaction study, which may involve the excavation of a trench, the NRC will determine the area of potential effects and then initiate consultation with your office and other interested consulting parties, including Native American tribes. The NRC considers such paleoliquefaction study, if pursued, to be a separate undertaking than the field work described in our letter of August 23, 2012.

Please provide your comments on our determination of no adverse effect for the proposed field work at your earliest convenience. If you have any questions or require additional information, please contact Thomas Weaver by phone at (301) 415-2383 or by email at Thomas.Weaver@nrc.gov. All written correspondence should be sent to the NRC at the following address with attention to the Document Control Desk. We look forward to your feedback.

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Sincerely,

/RA Kathryn M. Brock for/

Brian E. Thomas, Director
Division of Engineering
Office of Nuclear Regulatory Research

Enclosure:

Letter from NRC to Missouri Department of Natural Resources dated August 23, 2012

Letter from Missouri Department of Natural Resources to NRC dated September 4, 2012

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Division of Engineering
Office of Nuclear Regulatory Research

Enclosure:

Letter from NRC to Missouri Department of Natural Resources dated August 23, 2012
Letter from Missouri Department of Natural Resources to NRC dated September 4, 2012

cc: Dr. Martitia Tuttle
M. Tuttle & Associates
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Georgetown, ME 04548

Dr. Thomas Weaver, P.E., NRC/RES/DE/SGSEB
Mr. Andrew Pessin, Esq., NRC/OGC/GCLR/RMR
Mr. Stuart Easson, NRC/NMSS/MSTR/FSTB

ADAMS Accession No.:ML15216A094

RES No:

OFFICE	RES/DE/SGSEB	RES/DE/SGSEB	OGC (via email)	D: RES/DE
NAME	JPB for T. Weaver	J. Burke	A. Pessin	KMB for B. Thomas
DATE	08/06/15	08/06/15	7/23/15	08/07/15

OFFICIAL RECORD COPY

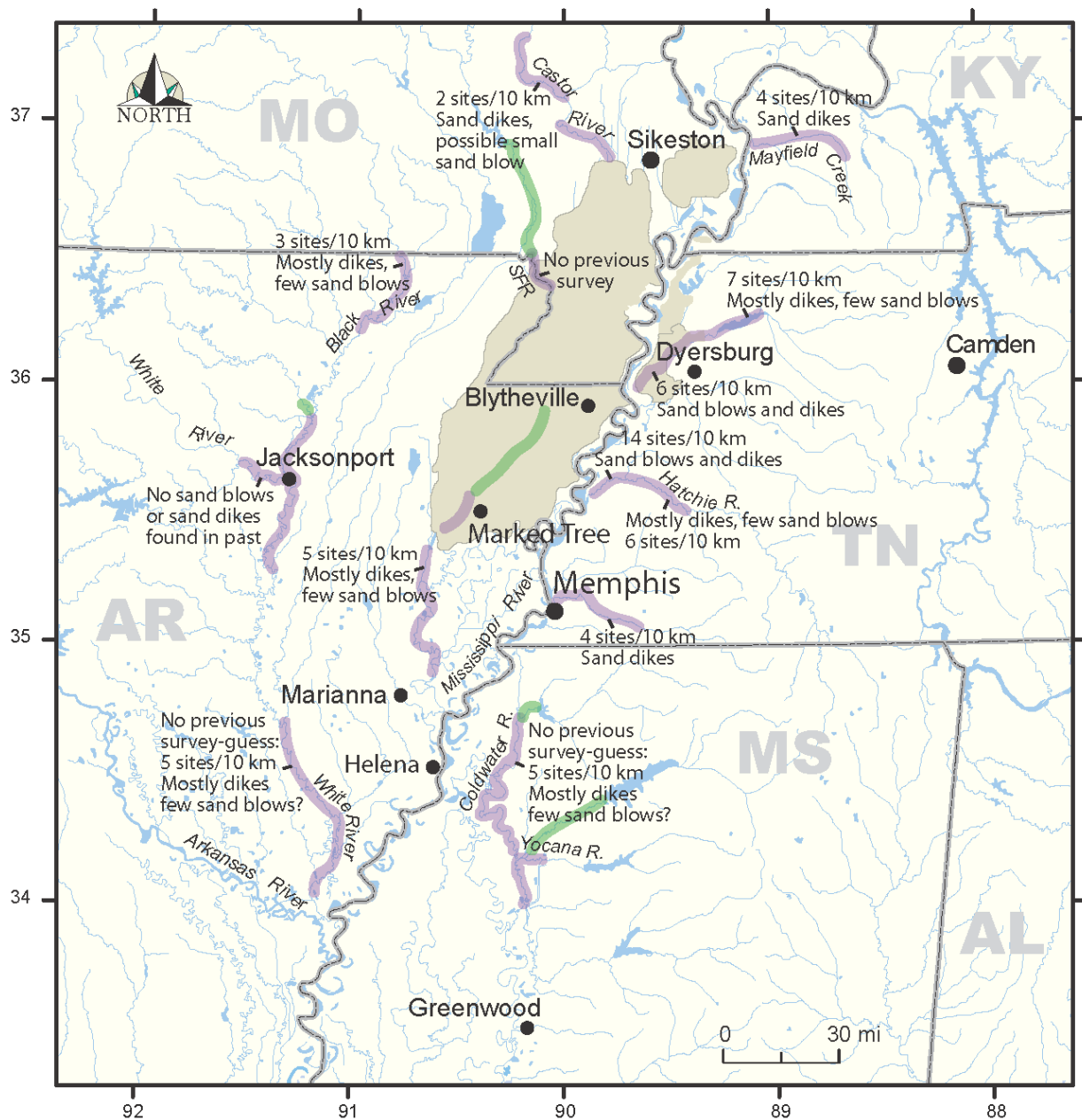


Figure 1 Map of paleoliquefaction study area in the Central U.S. River segments identified in the NRC's letter of [date] are delineated in purple. The NRC has conducted, and may continue, field work in these purple delineated river segments. Additional river segments where the NRC proposes to expand its field work are delineated in green.



Figure 2 Map of paleoliquefaction study in Missouri. River segments identified in the NRC's letter of [date] are delineated in purple. The NRC has conducted, and may continue, field work in these purple delineated river segments. Additional river segments where the NRC proposes to expand its field work are delineated in green.