Title
An Energy-Dispersive X-Ray Fluorescence Analysis of Obsidian Artifacts from Rock Springs (AZ T:8:169 ASM), Central Arizona

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LETTER REPORT

AN ENERGY-DISPERSIVE X-RAY FLUORESCENCE ANALYSIS OF OBSIDIAN ARTIFACTS FROM ROCK SPRINGS (AZ T:8:169 ASM), CENTRAL ARIZONA

2 February 2007

Jamey Strunk
Northland Research, Inc.
1865 E 3rd Street
Tempe, AZ 85281

Dear Jamey,

Although most of these artifacts were very small, the analysis indicates are diverse obsidian source provenance assemblage, with an emphasis on sources on the Coconino Plateau and more local Vulture, rather typical of pre-Classic Hohokam occupations on or north of the Lower Salt River (Shackley 2005).

The samples were analyzed with a Spectrace (Thermo) QuanX EDXRF spectrometer in the Archaeological XRF Laboratory, University of California, Berkeley. Specific instrumental methods can be found at http://www.swxrflab.net/anlysis.htm, and Shackley (2005). Analysis of the USGS RGM-1 standard indicates high machine precision for the elements of interest (Govnidaraju 1994; Table 1 here).

Sincerely,

M. Steven Shackley, Ph.D.
Director

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http://www.swxrflab.net/
REFERENCES CITED

Govindaraju, K.

Shackley, M.S.

Table 1. Elemental concentrations for the archaeological samples. All measurements in parts per million (ppm).

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<th>Y</th>
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