Title
An Energy Dispersive X-Ray Fluorescence (EDXRF) Analysis of One Obsidian Artifact from SDi-11952, Otay Mesa, San Diego County, California

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LETTER REPORT
AN ENERGY DISPERSIVE X-RAY FLUORESCENCE
(EDXRF) ANALYSIS OF ONE OBSIDIAN ARTIFACT FROM
SDi-11952, OTAY MESA, SAN DIEGO COUNTY, CALIFORNIA

20 July 1994

Dr. Meg McDonald
Brian Mooney Associates
9903 Businesspark Avenue
San Diego, CA 92131

Dear Meg:

As we discussed on the phone the other day, I have taken the liberty of sending you a letter report for the one piece of obsidian sent from SDi-11952. For laboratory methods and instrument settings please refer to Shackley (1991, 1992, 1994).

As shown in the table and figure, this obsidian artifact was produced from glass derived from the San Felipe obsidian source in northern Baja California.

X-ray fluorescence concentrations for one obsidian specimen from SDi-11952. All measurements in parts per million (ppm).

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>Ti</th>
<th>Mn</th>
<th>Fe</th>
<th>Rb</th>
<th>Sr</th>
<th>Y</th>
<th>Zr</th>
<th>Nb</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDi11952</td>
<td>982.32</td>
<td>205.41</td>
<td>1100</td>
<td>2.41</td>
<td>146.25</td>
<td>33.09</td>
<td>29.14</td>
<td>107.80</td>
<td>San Felipe, B.C.</td>
</tr>
</tbody>
</table>

REFERENCES CITED

Shackley, M. Steven


Rb, Sr, Zr 3-D concentration plot of San Felipe and archaeological data.

Sincerely,

M. Steven Shackley, Ph.D.
Assistant Research Archaeologist

INTERNET: SHACKLEY @ cmsa.berkeley.edu