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The data associated with this publication are in the supplemental files.

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LETTER REPORT OF AN X-RAY FLUORESCENCE ANALYSIS OF
OBSIDIAN ARTIFACTS FROM CA-SDI-759, SAN DIEGO COUNTY,
CALIFORNIA

Joan C. Brown             30 November 1994
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I have taken the liberty of submitting a letter report given the small sample size submitted for analysis. Methodology and instrument setting data are available in Shackley (1991, 1992, 1994a).

As you can see in Table 1, the single obsidian artifact is derived from obsidian procured from the San Felipe source in northern Baja California (Banks 1971; Bouey 1984; Douglas 1981). Source assignment was made based on the data library at Berkeley (see also Shackley 1992b). Obsidian derived from this source does occur in Late Prehistoric contexts in southern and central San Diego County, but this is the first occurrence to my knowledge in northern San Diego County.

Table 1. X-ray fluorescence concentrations for archaeological samples. All measurements are 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>104</td>
<td>1314.38</td>
<td>110.53</td>
<td>110.38</td>
<td>6.11</td>
<td>33.33</td>
<td>35.82</td>
<td>31.32</td>
<td>93.74</td>
<td>San Felipe, B.C.</td>
</tr>
</tbody>
</table>

REFERENCES

Banks, Thomas Jeffrey

Bouey, Paul D.

Douglas, Ronald D.

Shackley, M. Steven


1994b Análisis de energía dispersiva en fluorescencia de rayos x (EDXRF) de artefactos de obsidiana, de sitios arqueológicos en Bahía de Los Ángeles y materiales de una fuente de obsidiana en Isla Angel de la Guarda, Baja California. In *Investigaciones de ecología social y cambios entre culturas prehistóricas en la región de Bahía de Los Ángeles, Baja California*, edited by Eric Ritter, pp. 172-184. Instituto Nacional de Antropología e Historia, Mexicali.

Sincerely,

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