

CALIFORNIA OBSIDIAN SOURCES

BORAX LAKE

ALTERNATE NAMES: —.

LOCATION - COUNTY: Lake.

ACKNOWLEDGMENTS: Tom Jackson.

REFERENCES

Anderson, Charles A.

- 1936 *Volcanic History of the Clear Lake Area, California*. Geological Society of America Bulletin 47:629-664.

Basgall, Mark E.

- 1993 Chronological Sequences in the Southern Coast Ranges, California. In *There Grows a Green Tree: Papers in Honor of David A. Fredrickson*, edited by G. White, P. Mikkelsen, W. R. Hildebrandt, and M. E. Basgall, pp. 167-195. Center for Archaeological Research at Davis Publication 11, Davis, California.

Bowman, H. R., F. Asaro, and I. Perlman

- 1973a Composition Variations in Obsidian Sources and the Archaeological Implications. *Archaeometry* 15:123-127.
- 1973b On the Uniformity of Composition in Obsidians and Evidence for Magmatic Mixing. *Journal of Geology* 81:312-327.

Donnelly-Nolan, Julie M., B. Carter Hearn, Jr., Garniss H. Curtis, and Robert E. Drake

- 1981 Geochronology and Evolution of the Clear Lake Volcanics. In *Research in the Geysers-Clear Lake Geothermal Area, Northern California*, edited by Robert J. McLaughlin and Julie M. Donnelly-Nolan, pp. 47-60. U. S. Geological Survey Professional Paper 1141.

Ericson, Jonathon E.

- 1981 *Exchange and Production Systems in Californian Prehistory: The Results of Hydration Dating and Chemical Characterization of Obsidian Sources*. BAR International Series 110, Oxford, England.

Ericson, Jonathon E.; T. A. Hagan, and C. W. Chesterman

- 1976 Prehistoric Obsidian in California II: Geologic and Geographic Aspects. In *Advances in Obsidian Glass Studies*, edited by R. E. Taylor, pp. 218-239. Noyes Press, Park Ridge, New Jersey.

Findlow, Frank J., S. P. DeAtley, and J. E. Ericson.

- 1978 A Tentative Hydration Rate for the Obsidian from the Borax Lake Source, Lake County, California. In *Obsidian Dates II*, edited by C. W. Meighan and P. I. Vanderhoeven, pp. 133-137. University of California Institute of Archaeology Monograph 6, Los Angeles, California.

Frederickson, David A.

- 1989 Spatial and Temporal Patterning of Obsidian Materials in the Geysers Region. In *Current Directions in California Obsidian Studies*, edited by Richard E. Hughes, pp. 95-109. Contributions of the University of California Archaeological Research Facility No. 48, Berkeley, California.

Fredrickson, David A. and Gregory C. White

- 1988 The Clear Lake Basin and Early Complexes in California's North Coast Ranges. In *Early Human Occupation in Far Western North America: The Clovis-Archaic Interface*, edited by Judith A. Willig, C. Melvin Aikens, and John L. Fagan, pp. 75-86. Nevada State Museum Anthropological Papers No. 21, Carson City, Nevada.

Harrington, Mark R.

- 1948 *An Ancient Site at Borax Lake, California*. Southwest Museum Papers No. 16, Los Angeles, California.

Hearn, B. C., Jr., J. M. Donnelly-Nolan, and F. E. Goff

- 1995 *Geologic Map and Structure Sections of the Clear Lake Volcanics, Northern California*. U. S. Geologic Survey Miscellaneous Investigations Series I-2362, scale 1:24,000.

Heizer, Robert F. and Adan E. Treganza

- 1944 Mines and Quarries of the Indians of California. *California Journal of Mines and Geology* 49:291-359.

Jackson, Thomas L.

- 1974 *The Economics of Obsidian in Central California Prehistory: Applications of X-Ray Fluorescence Spectrography in Archeology*. Unpublished Master's Thesis, San Francisco State University, San Francisco, California.
- 1986 *Late Prehistoric Obsidian Exchange in Central California*. Unpublished Ph.D. Dissertation, Department of Anthropology, Stanford University, Palo Alto, California.
- 1989 Late Prehistoric Obsidian Production and Exchange in the North Coast Ranges, California. In *Current Directions in California Obsidian Studies*, edited by Richard E. Hughes, pp. 79-94. Contributions of the University of California Archaeological Research Facility No. 48, Berkeley, California.

Kaufman, Thomas S.

- 1980 *Early Prehistory of the Clear Lake Area, Lake County, California*. Unpublished Ph.D. Dissertation, University of California, Los Angeles, California.

Meighan, Clement W.

- 1983 Obsidian Dating in California. *American Antiquity* 48:600-609.

Meighan, Clement W. and C. Vance Haynes

- 1970 The Borax Lake Site Revisited. *Science* 167:1213-1221.

Pastron, Allen G. and Michael R. Walsh

- 1989 Two Biface Clusters and Their Relation to Mortuary Practices in the San Francisco Bay Area. *Journal of California and Great Basin Archaeology* 11:74-88.

Psota, Sunshine

- 1994 *Native American Use of Non-Quarry Obsidian in Northern Sonoma County: A Preliminary Assessment*. Unpublished Master's Thesis, Cultural Resources Management, Sonoma State University, Rohnert Park, California.

Rick, John W. and Thomas L. Jackson

- 1992 A Funny Thing Happened on the Way from the Quarry ... Analysis of the Great Blades Cache of Northern California. In *Stone Tool Procurement, Production, and Distribution in California Prehistory*, edited by Jeanne E. Arnold, pp. 5-65. Perspectives in California Archaeology, Volume 2, Institute of Archaeology, University of California, Los Angeles, California.

Tremaine, Kimberly J.

- 1989 *Obsidian as a Time Keeper: An Investigation in Absolute and Relative Dating*. Unpublished Master's Thesis, Sonoma State University, Rohnert Park, California.
- 1993 Temporal Ordering of Artifact Obsidians: Relative Dating Enhanced Through the Use of Accelerated Hydration Experiments, in *There Grows a Green Tree*, edited by Greg White, Pat Mikkelsen, William R. Hildebrandt, and Mark E. Basgall, pp. 265-275. University of California Center for Archaeological Research at Davis Publication No. 11, Davis, California.