ALTERNATE NAMES: Glittering Mountain, Grasshopper Flat, Grasshopper Group, Lost Iron Well, Red Switchback.

LOCATION - COUNTY: Modoc.

GEOCHEMICAL NOTES: The Grasshopper Group is a combined Medicine Lake Volcano geochemical group consisting of the Grasshopper Flat, Lost Iron Well, Red Switchback (GF/LIW/RS) and East Medicine Lake (Yellowjacket and Stoney Rhyolite Core) obsidian source localities. Trace element studies of source material by Northwest Research indicate that the GF/LIW/RS and East Medicine Lake groups are geochemically very similar, although zirconium abundances can usually be used to distinguish between the two groups. When analytical and other factors of uncertainties for X-ray fluorescence analyses (such as small physical sample size) are considered, however, there is some potential for overlap in zirconium values between the two groups. Artifacts that fall into this potential overlapping range of trace element composition are assigned to a combined Grasshopper Group.

ACKNOWLEDGMENTS: Gerry Gates.

REFERENCES


Basgall, Mark E. and William R. Hildebrandt 1989 Prehistory of the Sacramento River Canyon, Shasta County, California: Excavation at CA-Sha-1176, Sha-1175, Sha-1169, Sha-476. Center for Archaeological Research at Davis Publication No. 9, University of California, Davis, California.


Hughes, Richard E.


1986 *Diachronic Variability in Obsidian Procurement Patterns in Northeast California and Southcentral Oregon*. University of California Publications in Anthropology 17, Berkeley, California.

1982 K-Ar Results for Silicic Volcanics from the Medicine Lake Highland, Northeastern California. *Isochron/West* 34:3-7.

LaLande, Jeff

Luhnow, Glendena

Mack, Joanne M.

Minor, Rick

Musil, Robert R. and Brian O'Neill

Ozbun, Terry L., Douglas C. Wilson, Eric E. Forgeng, and Julia J. Wilt

Pettigrew, Richard M. and Clayton G. Lebow

Skinner, Craig E.

Skinner, Craig E. and Jennifer J. Thatcher