A panoramic view of Newberry Caldera from the summit of Paulina Peak. The 1350 yr-old Big Obsidian Flow is the dominant feature in the center and right portion of the image above. The older Buried Obsidian Flow - buried by volcanic tephra - is located adjacent to the Big Obsidian Flow and belongs to the same geochemical source.

**BIG OBSIDIAN FLOW**

**ALTERNATE NAMES:** --.

**GEOCHEMICAL SOURCE:** Big Obsidian Flow (composite source consisting of the Big Obsidian Flow and the Buried Obsidian Flow).

**LOCATION - COUNTY:** Deschutes.

**ACCESS AND OWNERSHIP:** Newberry National Volcanic Monument; a parking permit is required in the caldera. Access limited by snow in winter months. Collection of obsidian samples in the monument is by permit only.

**ACKNOWLEDGMENTS:** Linda Audrain and Scott Murdock.

**REFERENCES**


Beyer, Robert L.

Black, Gerald L.

Bowden, Bradley, Stephen C. Hamilton, and Michele L. Punke

Brogan, Phil

Castro, Jonathan M.

Connolly, Thomas J.

Fiebelkorn, Robin B., George W. Walker, Norman S. MacLeod, Edwin H. McKee, and James G. Smith

1982b *Index to K-Ar Determinations for the State of Oregon.* *Isochron/West* 37.

Fink, Jonathan H. and Steven W. Anderson

Flenniken, J. Jeffrey, and Terry L. Ozbun


Friedman, Irving

Friedman, Irving and W. D. Long

Friedman, Irving and John Obradovich

Friedman, Irving and F. W. Trembour


Fuller, Richard E.
Green, Jack

Higgins, Michael W.

Higgins, Michael W. and Aaron C. Waters


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

Jensen, Robert A.

Jensen, Robert E., Julie M. Donnelly-Nolan, and Daniele Mckay

Lee, John A.

Lee, R. R., D. A. Leich, T. A. Tombre3IlO, J. E. Ericson, and I. Friedman

Lineman, Scott R.

Lineman, Scott R. and J. D. Meyers

Laidley, Richard A. and David S. McKay

Linch, James C.
1945  *Paulina Preferred.*  Binfords & Mort, Portland, Oregon.

MacLeod, Norman S. and E. A. Sammel

MacLeod, Norman S. and David R. Sherrod
MacLeod, Norman S., David R. Sherrod, Lawrence A. Chitwood, and Robert A. Jensen  

MacLeod, Norman S., David R. Sherrod, Lawrence A. Chitwood, and Edwin H. McKee  

Manga, Michael, Jonathan Castro, Katharine V. Cashman, and Michael Loewenberg  

Marshall, Mary E.  

Musil, Robert R. and Brian O’Neill  

Ogden, Peter S.  

Ozbun, Terry L.  

Pearson, F. J., Jr., E. Mott Davis, and M. A. Tamers  

Peterson, Norman V. and E. A. Groh  


Peterson, Norman V., Edward A. Groh, Edward M. Taylor, and Donald E. Stensland  

Robinson, Joel E., Julie Donnelly-Nolan, and Robert A. Jensen  

Russell, Israel C.  

Sappington, Robert L.  

Skinner, Craig E.  


Skinner, Craig E. and Carol J. Winkler


Tamers, M. A.

Williams, Howel


Simplified geologic map of Newberry Caldera from MacLeod et al. (1981).