

## CAROL M. DEHLER

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### Professional Preparation

Humboldt State University	Geology	BA, 1991
Northern Arizona University	Geology	MS, 1995
University of New Mexico	Earth and Planetary Sci.	PhD, 2001

### Appointments

Graduate Advisory Committee, Geology Department USU	2016-
Associate Professor, Geology Department USU	2011-
Assistant Professor, Geology Department USU (on maternity leave 2006)	2004-2011
Visiting Professor, Idaho State University	2002-2004

### Selected Publications (\* = student author)

**Dehler, C.M.**, Gehrels, Porter, S.M., Heizler, M., G.E., Cox, G., Karlstrom, K.E., Crossey, L.J., and Timmons, J.M.. A synthesis of the 780-740 Ma Chuar Group, Uinta Mountain Group, and Pahrump Group (ChUMP) strata, western U.S.: Implications for carbon burial and paleobiology. Under revision—GSA Bulletin.

**Dehler, C.M.**, 2014. Advances in Neoproterozoic biostratigraphy spark new correlations and insight into evolution of life: *Geology*, v. 42, no. 8, p. 731-732

**Dehler, C.M.**, Porter, S. M., and Timmons, M. 2012. The Neoproterozoic Earth System revealed from the Chuar Group of Grand Canyon. In Timmons, J.M., and Karlstrom, K.E., eds., *Grand Canyon Geology: Two Billion Years of Earth's History: Geological Society of America Special Paper 489*, p. 49–72, doi:10.1130/2012.2489(03).

Johnston, D.T., Poulton, S.W., **Dehler, C.M.**, Porter, S.M., Husson, J., Canfield, D.E., and Knoll, A.H. 2010. An emerging picture of Neoproterozoic ocean chemistry: Insights from the Chuar Group, Grand Canyon, USA. *Earth and Planetary Science Letters* 290: 64-73.

**Dehler, C.M.**, Fanning, C.M., Link, P.K., Kingsbury, E. \*, Rybczynski, D. \*, 2010. Maximum depositional age and provenance of the Uinta Mountain Group and Big Cottonwood Formation, northern Utah: Paleogeography of rifting western Laurentia. *Geological Society of America Bulletin*, ahead of print doi: 10.1130/B30094, p. 1686-1699.

**Dehler, C.M.**, Porter, S.M., De Grey, L.D. \*, Sprinkel, D.A., Brehm, A. \*, 2007, The Neoproterozoic Uinta Mountain Group revisited: A synthesis of recent work on the Red Pine Shale and related undivided clastic strata, Northeastern Utah: in Link, P.K., and Lewis, R.S., eds., *Proterozoic Geology of western North America and Siberia*, Society of Sedimentary Geology Special Publication 86, p. 151-166.