

PETER J. SUGARMAN

Research Scientist, New Jersey Geological Survey, PO Box 427, Trenton, NJ 08625

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Birthdate: August 19, 1955, Family Status: Married with three children

Education:

1994, Ph.D., Geology, Rutgers University, New Brunswick, NJ Thesis: *Strontium isotope and sequence stratigraphy of the uppermost Campanian-Maestrichtian and Miocene, New Jersey*. Kenneth G. Miller, advisor,

1981 M.S. Geology, University of Delaware, Newark, DE Thesis: *The geological interpretation of gravity anomalies in the vicinity of Raritan Bay, New Jersey and New York*. Allan M. Thompson, advisor,

1977 B.A. Geology, University of Rochester, Rochester, NY.

Professional Experience:

2000-present. Research Scientist I, New Jersey Geological Survey

1995-present. Adjunct Professor and member of the Graduate Faculty, Rutgers University, New Brunswick.

2009-present. Sedimentologist, IODP Expedition 313 New Jersey Shallow Shelf

1996-2008. Co-chief Scientist, N.J. Coastal Plain Drilling Project, ODP Leg 174AX: Bass River (1996), Ancora (1998), Ocean View (1999), Bethany Beach, DE (2000), Fort Mott (2001), Millville (2002), Sea Girt (2003), Cape May Zoo (2004), Medford (2007), Double Trouble (2008).

1987-2000. Supervising Geologist, New Jersey Geological Survey, Trenton.

1985-1987. Principal Geologist, New Jersey Geological Survey, Trenton.

1983-1985. Senior Geologist, New Jersey Division of Water Resources, Trenton.

1981-1983. Assistant Geologist, New Jersey Division of Water Resources, Trenton.

1977-1978. Well-Site Geologist, Core Laboratories, Mt. Pleasant, Michigan.

1980. Cruise, R/V Eastward, multichannel seismic and piston coring.

1980. Graduate teaching assistant, University of Delaware.

1978-1980. Graduate research assistant, University of Delaware.

Professional Services:

2006. Co-Convenor, Technical Session, U.S. Atlantic and Gulf Margin Sequences and Hydrostratigraphy, Geological Society of America, Ann. Meeting, Philadelphia.

2000. Technical Chair, Northeast Section Meeting, Geological Society of America.

1998-2003. Member, New Jersey Climate Change Workgroup.

1997-2000. Chair, New Jersey Statemap Committee

Areas of Expertise and Teaching Competencies:

1998-Present. Environmental Geology Responsible for developing initial live and online curriculum and teaching course at Rutgers.

1995-Present. Planet Earth Responsible for developing curriculum and teaching course at Rutgers, including the initial Winter Session.

2004-present. Geology of New Jersey Designed and presented course for environmental professionals at Rutgers Cooperative Extension and the NJ Department of Environmental Protection.

2006. Hydrostratigraphy of the Atlantic Coastal Plain, Organized technical theme session and presented research results at annual Geological Society of America Meeting.

Research Interests:

Stratigraphy of the New Jersey Coastal Plain
Sequence stratigraphy of passive margins
Hydrogeology of the New Jersey Coastal Plain
Quaternary sea-level changes

Professional Societies:

Geological Society of America

Student Committees:

Masters

2005. Andrew Kulpecz, Rutgers University, New Brunswick.
2005. Brian Lentini, Rutgers University, New Brunswick.
2001. Timothy Reilly, Rutgers University, New Brunswick.
2001. Ethan Skinner, Rutgers University, New Brunswick.

Ph.D.

2008. Andrew A. Kulpecz, Rutgers University, New Brunswick.
1996. James V. Browning, Rutgers University, New Brunswick.

Courses Taught:

2004-2010. Geology of New Jersey for environmental professionals at Rutgers Cooperative Extension and the NJ Department of Environmental Protection.
1998-2010. Environmental Geology at Rutgers University
1995-2010. Planet Earth at Rutgers University
1997-2000. Historical Geology at Rutgers University

LIST OF PUBLICATIONS

PUBLICATIONS: PEER REVIEWED

2014

Sugarman, P.J., Stanford, S.D., Muller, F.L., and Hlavaty, Corie, 2014, Bedrock Geologic Map of the Keyport Quadrangle, Middlesex and Monmouth Counties, New Jersey, New Jersey Geological and Water Survey Geologic Map Series 14-2, scale 1 to 24,000, size 34x60, 3 cross-sections.

Miller, K.G., Browning, J.V., Mountain, G.S., Sheridan, R.E., Sugarman, P.J., Glenn, S., and Christensen, B.A., 2014, History of continental shelf and slope sedimentation on the U.S.

Middle Atlantic margin, *in* Chiocci, F.L. and Chivas, A.R., eds., *Continental Shelves of the World: Their Evolution During the Last Glacio-Eustatic Cycle*: Geological Society, London, Special Publication 41, p. 21-34. doi: 10.1144/M41.3.

2013

- Sugarman, P.J., Monteverde, D.H., Boyle, J.T., and Domber, S.E., 2013, Aquifer correlation map of Monmouth and Ocean Counties, New Jersey: New Jersey Geologic and Water Survey Map Series GMS 13-1, 3 plates
- Miller, K.G., Mountain, G.S., Browning, J.V., Katz, M.E., Monteverde, D.H., Sugarman, P.J., Ando, H., Bassetti, M.A., Bjerrum, C.J., Hodgson, D., Hesselbo, S., Karakaya, S., Proust, J.-N., Rabineau, M., 2013, Testing sequence stratigraphic models by drilling Miocene foresets on the New Jersey shallow shelf: *Geosphere*, v. 9, p. 1236-1256, doi: 10.1130/GES00884.1
- Barron, J., Browning, J.V., Sugarman, P.J., and Miller, K.G., 2013, Refinement of Late Early and Middle Miocene Diatom Biostratigraphy 1 for the Eastern Coast of the United States: *Geosphere*, v. 9, p. 1286-1302, doi:10.1130/GES00864.1
- Browning, J.V., Miller, K.G., Sugarman, P.J., Barron, J., McCarthy, F., Kulhanek, D., Katz, M.E., and Feigenson, M.D., 2013, Chronology of Eocene-Miocene sequences on the New Jersey shallow shelf: Implications for regional, interregional, and global correlations: *Geosphere*, v. 9, doi: 10.1130/GES00857.1.

2012

- Miller, K.G., Sugarman, P.J., Browning, J.V., Sheridan, R.E., Kulhanek, D., Monteverde, D., and D.K., Wehmiller, J.F., Lombardi, C., Feigenson, M.D., 2012, Pleistocene sequence stratigraphy of the shallow continental shelf, offshore New Jersey: Constraints by IODP Leg 313: *Geosphere*, v. 9, p. 1-22, 10.1130/GES00795.1.
- Gallagher, W.B., Miller, K.G., Sherrell, R.M., Browning, J.V., Field, M.P., Olsson, R.K., Sugarman, P.J., Tuorto, S., and Wahyudi, H., 2012, On the last mosasaurs: Late Maastrichtian mosasaurs and the Cretaceous-Paleogene boundary in New Jersey: *Geological Society of France, Bulletin*, v. 183, p. 145-150.

2010

- Miller, K.G., Sherrell, R.M., Browning, J.V., Field, P.M., Gallagher, W., Olsson, R.K., Sugarman, P.J., Tuorto, Steven, and Wahyudi, Hendra, Relationship between mass extinction and Iridium across the Cretaceous/Paleogene boundary in New Jersey: *Geology*, v. 38, p. 867-870, doi: 10.1130/G31135.1, Data Repository item 2010244.
- Harris, A.D., Miller, K.G., Browning, J.V., Sugarman, P.J., Olsson, R.K., Cramer, B.S., and Wright, J.D., 2010, Integrated stratigraphic studies of Paleocene-lowermost Eocene sequences, New Jersey coastal plain: Evidence for glacioeustatic control: *Paleoceanography*, v. 25, p. PA3211, doi:10.1029/2009PA001800.

2009

- Miller, K.G., Sugarman, P.J., Browning, J.V., Horton, B.J., Stanley, A., Kahn, A., Uptegrove, J., and Aucott, M., 2009, Sea-level rise in New Jersey over the past 5000 years: Implications to anthropogenic changes, *Global and Planetary Change: Global and Planetary Change*, v. 66, p. 10-18.
- Stanford, S.D., and Sugarman, P. J., 2009, Bedrock Geology of the Salem and Delaware City Quadrangles, Salem County, New Jersey: New Jersey Geological Survey Open File Map 75, scale 1 to 24,000, 2 cross-sections.

2008

- Sugarman, P. J. and Monteverde, D. H., 2008, Correlation of Deep Aquifers Using Coreholes and Geophysical Logs in parts of Cumberland, Salem, Gloucester, and Camden Counties, New Jersey: New Jersey Geological Survey Geologic Map Series 08-1, 5 cross-sections and 1 figure.
- Browning, J.V., Miller, K.G., Sugarman, P.J., Kominz, M.A., McLaughlin, P.P., and Kulpecz, A.A., 2008, 100 Myr record of sequences, sedimentary facies and sea-level change from Ocean Drilling Program onshore coreholes, U.S. Mid-Atlantic coastal plain: *Basin Research*, v. 20, p. 227-248.
- Kominz, M.A., Browning, J.V., Miller, K.G., Sugarman, P.J., Misintseva, S., and Scotese, C.R., 2008, Late Cretaceous to Miocene sea-level estimates from the New Jersey and Delaware coastal plain coreholes: an error analysis: *Basin Research*, v. 20, p. 211-226.
- Kulpecz, A.A., Miller, K.G., Sugarman, P.J., and Browning, J.V., 2008, Subsurface distribution of Upper Cretaceous sequences and facies, New Jersey Coastal Plain: *Journal of Sedimentary Research*, v. 78, p. 112-129.
- McLaughlin, P.P., Miller, K.G., Browning, J.V., Ramsey, K.W., Benson, R.N., Tomlinson, J.L., and Sugarman, P.J., 2008, Stratigraphy and correlation of the Oligocene to Pleistocene section at Bethany Beach, Delaware: Delaware Geological Survey Report of Investigations No. 75, University of Delaware, Newark, Delaware, 41 p.
- Stanford, S.D., and Sugarman, P. J., 2008, Bedrock Geology of the Beverly and Frankford Quadrangles, Burlington County, New Jersey: New Jersey Geological Survey Open File Map 71, scale 1 to 24,000, size 28x34, 3 cross-sections.

2006

- Sugarman, P.J., Miller, K.G., Browning, J.V., Kulpecz, A.A., McLaughlin, P.P., and Monteverde, D.H., 2006, Hydrostratigraphy of the New Jersey coastal plain: Sequences and facies predict continuity of aquifers and confining units: *Stratigraphy*, v. 2, 259-275.
- Browning, J.V., Miller, K.G., McLaughlin, P.P., Kominz, M.A., Sugarman, P.J., Monteverde, D., Feigenson, M.D., and Hernández, J.C., 2006, Quantification of the effects of eustasy, subsidence, and sediment supply on Miocene sequences, Mid-

Atlantic margin of the United States: *Geological Society of America Bulletin*, v. 118, p. 567-588.

Stanford, S. D. and Sugarman, P. J., 2006, Bedrock Geology of the Penns Grove and Wilmington South Quadrangles, Salem and Gloucester Counties, New Jersey: New Jersey Geological Survey Geologic Map Series 06-4, scale 1 to 24,000, 4 cross-sections.

Stanford, S. D. and Sugarman, P. J., 2006, Bedrock Geology of the Bridgeport and Marcus Hook Quadrangles, Gloucester and Salem Counties, New Jersey: New Jersey Geological Survey Geologic Map Series 06-1, scale 1 to 24,000, 3 cross-sections.

2005

Sugarman, P.J., Miller, K.G., Browning, J.A., Kulpecz, A.A., McLaughlin, P.P., and Monteverde, D.H., 2005, Hydrostratigraphy of the New Jersey Coastal Plain: sequences and facies predict continuity of aquifers and confining units: *Stratigraphy*, v. 2, p. 259-275.

Sugarman, P.J., Stanford, S.D., Owens, J.P., and Brenner, G.J., 2005, Bedrock Geology of the South Amboy Quadrangle, Middlesex and Monmouth Counties, New Jersey: NJ Geological Survey Open File Map 65, scale: 1 to 24,000, 2 cross-sections.

Miller, K.G., Kominz, M.A., Browning, J.V., Wright, J.D., Mountain, G.S., Katz, M.E., Sugarman, P.J., Cramer, B.S., Christie-Blick, N., and Pekar, S.F., 2005, The Phanerozoic record of global sea-level change: *Science*, v. 310, p. 1293-1298.

Stanford, S. D. and Sugarman, P. J., 2005, Bedrock Geology of the Moorestown Quadrangle, Burlington and Camden Counties, New Jersey: New Jersey Geological Survey Open File Map 64, scale: 1 to 24,000, 2 cross-sections.

2004

Miller, K.G., Sugarman, P.J., Browning, J.V., Kominz, M.A., Olsson, R.K., Feigenson, M.D., Hernández, J.C., 2004, Upper Cretaceous sequences and sea-level history, New Jersey coastal plain: *Geological Society of America Bulletin*, v. 116, p. 368–393.

Stanford, S. D. and Sugarman, P. J., 2004, Bedrock Geology of the Camden and Philadelphia Quadrangles, Camden, Gloucester and Burlington Counties, New Jersey: New Jersey Geological Survey Open File Map 61, scale: 1 to 24,000, 2 cross-sections.

Stanford, S. D. and Sugarman, P. J., 2004, Bedrock Geology of the Woodbury Quadrangle, Gloucester County, New Jersey: New Jersey Geological Survey Open File Map 59, scale: 1 to 24,000, 1 cross-section.

2003

Miller, K.G., Browning, J.V., Sugarman, P.J., McLaughlin, P.P., Kominz, M.A., Olsson, R.K., Wright, J.D., Cramer, B.S., Pekar, S.F., Van Sickel, W., 2003, 174AX leg summary: Sequences, sea level, tectonics, and aquifer resources: Coastal plain

drilling, in Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., *Proceedings of the Ocean Drilling Program, Initial Reports*, 174AX (Supplement): College Station TX (Ocean Drilling Program), 1-38.

Miller, K.G., Sugarman, P.J., Browning, J.V., Kominz, M.A., Hernández, J.C., Olsson, R.K., Wright, J.D., Feigenson, M.D., and Van Sickle, W., 2003, Late Cretaceous chronology of large, rapid sea-level changes: Glacioeustasy during the greenhouse world: *Geology*, v. 31, p. 585-588.

2001

Sugarman, P.J., 2001. Hydrostratigraphy of the Kirkwood and Cohansey Formations of Miocene age in Atlantic County and vicinity, New Jersey. New Jersey Geological Survey, Geological Survey Report, GSR 40: 26 pp.

1999

Miller, K.G., Barrera, E., Olsson, R.K., Sugarman, P.J., and Savin, S.M., 1999, Does ice drive early Maastrichtian eustasy?: *Geology*, v. 27, p. 783-786.

Sugarman, P.J., Miller, K.G., Olsson, R.K., Browning, J.V., Wright, J.D., De Romero, L., White, T.S., Muller, F.L., Uptegrove, J., 1999, The Cenomanian/Turonian carbon burial event, Bass River, NJ: Geochemical, paleoecological, and sea-level changes: *Journal of Foraminiferal Research*, v. 29, p. 438-452.

Sugarman, Peter J., 1999, Radon Potential of New Jersey Coastal Plain Formations: New Jersey Geological Survey Open-File Map 25, Scale 1 to 250,000.

1998

Miller, K.G., Mountain, G.S., Browning, J.V., Kominz, M., Sugarman, P.J., Christie-Blick, N., Katz, M.E., and Wright, J.D., 1998, Cenozoic global sea-level, sequences, and the New Jersey transect: Results from coastal plain and slope drilling: *Reviews of Geophysics*, v. 36, p. 569-601.

Owens, J.P., Sugarman, P.J., Sohl, N.F., Parker, R.A., Houghton, H.F., Volkert, R.A., Drake, Jr., A.A., and Orndorff, R.C., 1998. United States Geological Survey Miscellaneous Investigations Series Map I-2540-B, Bedrock geologic map of central and southern New Jersey. Scale 1: 100,000, 4 sheets, size 41x58.

Herman, G.C., Canace, R.J., Stanford, S.D., Pristas, R., S., Sugarman, P.J., French, M.A., Hoffman, J.L., Serfes, M.S., and Mennel, W.J., 1998, Aquifers of New Jersey: New Jersey Geological Survey Open-File Map 24, Scale 1 to 500,000.

1997

Sugarman, P.J., McCartan, L., Miller, K.G., Feigenson, M.D., Pekar, S.F., Kistler, R.W., Robinson, A.G., 1997, Strontium-isotopic correlation of Oligocene to Miocene

sequences, New Jersey and Florida, in Miller, K.G., and Snyder, S.W., eds., Proceedings of the Ocean Drilling Program, Scientific results, Volume 150X: College Station, Texas, Ocean Drilling Program, p. 147-159.

Sugarman, P.J., and Miller, K.G., 1997, Correlation of Miocene sequences and hydrogeologic units, New Jersey Coastal Plain: *Sedimentary Geology*, v. 108, p. 3-18.

Olsson, R.K., Miller, K.G., Browning, J.V., Habib, D., and Sugarman, P.J., 1997, Ejecta layer at the Cretaceous-Tertiary boundary, Bass River, New Jersey (Ocean Drilling Program Leg 174AX): *Geology*, v. 25, p. 759-762.

1996

Sugarman, Peter, J. and Owens, James P., 1996, Bedrock Geologic Map of the Freehold and Marlboro Quadrangles, Middlesex and Monmouth Counties, New Jersey Geological Survey New Jersey Geologic Map Series 96-1, scale 1:24,000, 2 plates.

Volkert, R.A., Drake, A.A., r., and Sugarman, P.J., 1996, Geology, geochemistry, and tectonostratigraphic relations of the crystalline basement beneath the Coastal Plain of New Jersey and continuous areas: U.S. Geological Survey PP 1565-B, 48 p.

1995

Sugarman, P.J., Miller, K.G., Bukry, D., and Feigenson, M.D., 1995, Uppermost Campanian-Maestrichtian strontium isotopic, biostratigraphic, and sequence stratigraphic framework of the New Jersey Coastal Plain: *Geological Society of America Bulletin*, v. 107, p. 19-37.

Miller, K.G., and Sugarman, P.J., 1995, Correlating Miocene sequences in onshore New Jersey boreholes (ODP Leg 150X) with global $d^{18}O$ and Maryland outcrops: *Geology*, v. 23, p. 747-750.

McCartan, L., Weedman, S.D., Wingard, G.L., Edwards, L.E., Sugarman, P.J., Feigenson, M.D., Buursink, M.L., and J.C. Libarkin, 1995. Age and diagenesis of the upper Florida aquifer and the intermediate aquifer system in southwestern Florida: *U.S. Geol. Survey Bulletin* 2122, 26p.

1994

Sugarman, P. J., 1994, Geologic Map of the Asbury Park Quadrangle, Monmouth and Ocean Counties, New Jersey: New Jersey Geological Survey Geologic Map Series 94-2, scale 1:24,000.

1993

Sugarman, P.J., Miller, K.G., Owens, J.P., and Feigenson, M.D., 1993, Strontium-isotope and sequence stratigraphy of the Miocene Kirkwood Formation, southern New Jersey: *Geological Society of America Bulletin*, v. 105, p. 423-436.

1991

Sugarman, P. J., Owens, J.P., and Bybell, L.M., 1991, Geologic Map of the Adelpia and Farmingdale Quadrangles, Monmouth and Ocean Counties, New Jersey, New Jersey Geological Survey Geologic Map Series 91-1, scale 1:24,000.

1988

Owens, J. P., Bybell, L. M., Paulachok, G., Ager, T. A., Gonzalez, V. M., and Sugarman, P. J., 1988, Stratigraphy of the Tertiary sediments in a 945-foot-deep corehole near Mays Landing in the southeastern New Jersey Coastal Plain: U.S. Geological Survey Professional Paper 1484, 39 p.

PUBLICATIONS: NON-PEER REVIEWED

- Sugarman, P.J. Monteverde, D.H., Pristas, R., Girard, M, Boyle, J., Miller, K.G., Browning, J.V., Reinfelder, Y., Romero, P., Kulpecz, A., 2011, Characterization of the carbon dioxide storage potential beneath the New Jersey coastal plain, in Final Report, Preliminary characterization of CO₂ sequestration potential in New Jersey and the offshore coastal region, New Jersey Geological Survey
<http://216.109.210.162/%5C/print.aspx?page=PhaseIIReports>
- Monteverde, D.H., Sugarman, P.J., Miller, K.G., Browning, J.V., Mountain, G.S. Reinfelder, Y., Romero, P., Seker, Z., 2011, Characterization of the carbon dioxide storage potential beneath the continental shelf and slope offshore New Jersey, in Final Report, Preliminary characterization of CO₂ sequestration potential in New Jersey and the offshore coastal region, New Jersey Geological Survey
<http://216.109.210.162/%5C/print.aspx?page=PhaseIIReports>
- Miller, K.G., Browning, J.V., et al., 2015, Wilson Lake Site, in Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (Suppl.): College Station, TX, Ocean Drilling Program
- Browning, J.V., Sugarman, P.J., Miller, K.G., et al., 2011, Double Trouble Site, in Miller, K.G., Sugarman, P.J., Browning, J.V., and et al., eds., Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (supplement): College Station, TX, p. 1-63.
- Sugarman, P.J., Miller, K.G., Browning, J.V., Aubry, M.-P., Brenner, G.J., Bukry, D., Butari, B., Feigenson, M.D., Kulpecz, A.A., McLaughlin, P.P., Jr., Mizintseva, S., Monteverde, D.H., Olsson, R., Pusz, A., Rancan, H., Tomlinson, J., Uptegrove, J., and Velez, C.C., 2010, Medford Site, in Miller, K.G., Sugarman, P.J., Browning, J.V., and et al., eds., Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (supplement): College Station, TX, p. 1-93.
- Miller, K.G., Browning, J.V., Sugarman, P.J., Kominz, M.A., Mountain, G.S., The rise and fall of sea level over the past 100 million years, DOSECC Newsletter, v. 5, 1-6, 2007.
- Sugarman, P.J., Miller, K.G., Browning, J.V., Monteverde, D.H., Uptegrove, J., McLaughlin, P.P., Jr., Stanley, A.M., Wehmiller, J., Kulpecz, A., Harris, A., Pusz, A., Kahn, A., Friedman, A., Feigenson, M.D., Barron, J., and McCarthy, F.M.G., 2007. Cape May Zoo site. *In* Miller, K.G., Sugarman, P.J., Browning, J.V., et al.,

- Proc. ODP, Init. Repts.*, 174AX (Suppl.): College Station, TX (Ocean Drilling Program), p. 1–66.
- Miller, K.G., Sugarman, P.J., Browning, J.V., Aubry, M.-P., Brenner, G.J., Cobbs, G., III, de Romero, L., Feigenson, M.D., Harris, A., Katz, M.E., Kulpecz, A., McLaughlin, P.P.J., Misintseva, S., Monteverde, D.H., Olsson, R.K., Patrick, L., Pekar, S.J., and Uptegrove, J., 2006, Sea Girt Site, *in* Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., *Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (Suppl.): College Station, TX, Ocean Drilling Program*, p. 1–104.
- Sugarman, P.J., Miller, K.G., Browning, J.V., McLaughlin, P.P., Jr., Brenner, G.J., Buttari, B., Cramer, B.S., Harris, A., Hernandez, J., Katz, M.E., Lettini, B., Misintseva, S., Monteverde, D.H., Olsson, R.K., Patrick, L., Roman, E., Wojtko, M.J., Aubry, M.-P., Feigenson, M.D., Barron, J.A., Curtin, S., Cobbs, G., Cobbs, G., III, Bukry, D., and Huffman, B., 2005, Millville Site, *in* Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., *Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (Suppl.): College Station, TX, Ocean Drilling Program*, p. 1–94.
- Sugarman, P.J., Miller, K.G., McLaughlin, P.P., Jr., Browning, J.V., Hernandez, J., Monteverde, D., Uptegrove, J., Baxter, S.J., McKenna, T.E., Andres, A.S., Benson, R.N., Ramsey, K.W., Keyser, T., Katz, M.E., Kahn, A., Friedman, A., Wojtko, M., Feigenson, M.D., Olsson, R.K., Brenner, G., Self-Trail, J.M., and Cobbs, G., III, 2004, Fort Mott Site, *in* Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., *Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (Suppl.): College Station, TX, Ocean Drilling Program*, p. 1–50.
- Miller, K.G., McLaughlin, P.P., Browning, J.V., Benson, R.N., Sugarman, P.J., Hernandez, J., Ramsey, K.W., Baxter, S.J., Feigenson, M.D., Aubry, M.-P., Monteverde, D.H., Cramer, B.S., Katz, M.E., McKenna, T.E., Strohmeier, S.A., Pekar, S.F., Uptegrove, J., Cobbs, G., Cobbs, G., III, and Curtin, S.E., 2003, Bethany Beach Site, *in* Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., *Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (Suppl.): College Station, TX, Ocean Drilling Program*, p. 1–84.
- Miller, K.G., Sugarman, P.J., Browning, J.V., Pekar, S.F., Katz, M.E., Cramer, B.S., Monteverde, D., Uptegrove, J., McLaughlin, P.P., Jr., Baxter, S.J., Aubry, M.-P., Olsson, R.K., Van Sickle, B., Metzger, K., Feigenson, M.D., Tiffin, S., and McCarthy, F., 2001, Ocean View Site, *in* Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., *Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (Suppl.): College Station, TX, Ocean Drilling Program*, p. 1–72.
- Miller, K.G., Sugarman, P.J., Browning, J.V., Cramer, B.S., Olsson, R.K., de Romero, L., Aubry, M.-P., Pekar, S.F., Georgescu, M.D., Metzger, K.T., Monteverde, D.H., Skinner, E.S., Uptegrove, J., Mullikin, L.G., Muller, F.L., Feigenson, M.D., Reilly, T.J., Brenner, G.J., and Queen, D., 1999, Ancora Site, *in* Miller, K.G., Sugarman, P.J., Browning, J.V., et al., eds., *Proceedings of the Ocean Drilling Program, Initial reports, Volume 174AX (Suppl.): College Station, TX, Ocean Drilling Program*, p. 1–65.
- Miller, K.G., Sugarman, P.J., Browning, J.V., Olsson, R.K., Pekar, S.F., Reilly, T.R., Cramer, B.S., Aubry, M.-P., Lawrence, R.P., Curran, J., Stewart, M., Metzger, J.M.,

- Uptegrove, J., Bukry, D., Burckle, L.H., Wright, J.D., Feigenson, M.D., Brenner, G.J., Dalton, R.F., Bass River Site Report, *Proc. ODP, Init. Repts., 174AX*: College Station, TX (Ocean Drilling Program), 43 pp., 1998.
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