

**SEAN DAVID CONNELL**  
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## **EDUCATION**

University of New Mexico: Ph.D. with distinction, Earth and Planetary Sciences, 2010. Topic: *Fluvial sedimentation in continental half-graben basins*. Concentrations in stratigraphy, sedimentology, and magnetic-polarity stratigraphy. Advisors: Drs. Gary A. Smith & John W. Geissman.

University of California, Riverside: M.S., Geology, 1995. Topic: *Quaternary geology and geomorphology of the Sandia Mountains piedmont*. Concentration in Quaternary geology and tectonic geomorphology. Advisor: Dr. Stephen G. Wells.

California State University, Northridge: B.S., Geology, 1988.

## **PROFESSIONAL INTERESTS**

- Stratigraphy, tectonic geomorphology, and hydrogeology of Cenozoic continental extensional basins. Other interests include environmental geology and experimental stratigraphy. For more information, see <http://geoinfo.nmt.edu/staff/connell.html>.

## **PROFESSIONAL EXPERIENCE**

**New Mexico Bureau of Geology and Mineral Resources, Albuquerque Office, 2808 Central Ave., SE, Albuquerque, New Mexico 87106, (505) 366-2534, email: [connell@gis.nmt.edu](mailto:connell@gis.nmt.edu)**

- Senior Managing Geologist (April 2010 to present).
- Albuquerque Office Manager (August 2000 to March 2010): supplement to Field Geologist position.
- Field Geologist (January 1996 to March 2010).

**New Mexico Institute of Mining and Technology, 801 Leroy Place, Socorro, New Mexico 87801**

- Faculty Adjunct, Department of Earth and Environmental Sciences (Fall 1999 to present).

**University of California, Riverside, California**

- Graduate Research Assistant, Department of Earth Sciences and Department of Environmental Sciences (July 1992 to March 1995).

**William Lettis and Associates, Inc., Oakland, California**

- Temporary Staff Geologist (September 1993 to May 1994).

**Allan E. Seward Engineering Geology, Inc., Newhall, California**

- Geologist (June 1987 to April 1992; full-time after June 1988).

## PROJECT HIGHLIGHTS

- Geologic interpretation of lithologic cuttings and borehole geophysical logs for water-supply wells; occasional assistance in well-site geology and data archiving.
- Geologic mapping, stratigraphic study, and correlation of Neogene sedimentary basin fill.
- Tectonic geomorphology and soil-geomorphology of extensional settings.
- GIS-based compilation of geologic mapping.
- Conducted multi-day field trips to important geologic features in Albuquerque Basin.

## PROFESSIONAL LICENSES

Registered Geologist in State of California, license no. 6126.

Certified Engineering Geologist in State of California, license no. 1910.

## PROFESSIONAL AFFILIATIONS

Albuquerque Geological Society

New Mexico Geological Society

American Geophysical Union

Society for Sedimentary Geology (SEPM)

Geological Society of America

## OTHER ACHIEVEMENTS

- Roy J. Shlemon Distinguished Mentor, 2001 Joint Rocky Mountain and South-Central Section Meeting of the Geological Society of America, May 2001
- Contributed interviews and graphics for an hour-long documentary on the Sandia Mountains called *The Sandias*. This documentary was released by local PBS-affiliate (KNME) in 2007. For segment, see Chapter 2 at <http://www.knme.org/sandias/>.

## COMPUTER EXPERIENCE

Familiar with: ArcGIS (v. 9x), Viewlog (v. 3.0), Matlab (v. 7.1), Adobe Illustrator and Photoshop CS3, MS Office Suite, and other applications.

## LIST OF PUBLICATIONS

### 2010-2008

- Cather, S.M., **Connell, S.D.**, Chamberlin, R.M., McIntosh, W.C., Jones, G.E., Potochnik, A.R., Lucas, S.G., and Johnson, P.S., 2008, The Chuska Erg: Paleogeomorphic and paleoclimatic implications of an Oligocene sand sea on the Colorado Plateau: *Geological Society of America Bulletin*, v. 120, n. 1/2, p. 13-33, doi: 10.1130/B26081.1.
- Connell, S.D.**, 2008, Refinements to the stratigraphic nomenclature of the Santa Fe Group, northwestern Albuquerque basin, New Mexico: *New Mexico Geology*, v. 30, n. 1, p. 14-35.
- Connell, S.D.**, and Love, D.W., 2009, Geology and landscape of the Albuquerque area, *in* Price, L.G., Bland, D., Johnson, P.S., and **Connell, S.D.**, eds, *Water, natural resources, and the urban landscape: The Albuquerque Region: New Mexico Bureau of Geology and Mineral Resources, Decision-Makers Field Conference*, p. 10-17.
- Love, D.W., and **Connell, S.D.**, 2009, Geologic Hazards in the Albuquerque area, *in* Price, L.G., Bland, D., Johnson, P.S., and **Connell, S.D.**, eds, *Water, natural resources, and the urban landscape: The Albuquerque Region: New Mexico Bureau of Geology and Mineral Resources, Decision-Makers Field Conference*, p. 87-94.
- Love, D.W., McGraw, D.J., Chamberlin, R.M., Reiter, M., **Connell, S.D.**, Cather, S.M., and Majkowski, L., 2009, Progress report on tracking Rio Grande terraces across the uplift of the Socorro magma body: *New Mexico Geological Society Guidebook 60*, p. 415-424.
- Read, A.S., and **Connell, S.D.**, 2010, The Sandia Mountains, *in* Price, G., ed., *The Geology of New Mexico State Parks and Monuments: New Mexico Bureau of Geology and Mineral Resources*. p. 201-208.

### 2007-2005

- Connell, S.D.**, Hawley, J.W., and Love D.W., 2005, Late Cenozoic drainage development in the southeastern Basin and Range of New Mexico, southeasternmost Arizona, and western Texas, *in* Lucas, S.G., Morgan, G.S., and Ziegler, K.E., eds., *New Mexico's Ice Ages: New Mexico Museum of Natural History and Science Bulletin 28*, p. 125-150.
- Connell, S.D.**, Love D.W., and Dunbar, N.W., 2007, Geomorphology and stratigraphy of inset fluvial deposits along the Rio Grande valley in the central Albuquerque basin, *New Mexico: New Mexico Geology*, v. 29, n. 1, p. 13-31.
- Connell, S.D.**, Koning, D.J., Kelley, S.A., and Brandes, N.N., 2007, Oligocene-Miocene sedimentation in the southwestern Jemez Mountains and northwestern Albuquerque basin, New Mexico, *in* Kues, B.S., Kelley, S.A., and Lueth, V.W., eds., *Geology of the Jemez Region II: New Mexico Geological Society, Guidebook 58*. p. 195-208.
- Koning, D.J. **Connell, S.D.**, Morgan, G.S., Peters, L., and McIntosh, W.C., 2005, Stratigraphy and depositional trends in the Santa Fe Group near Española, north-central New Mexico: Tectonic and climatic implications, *in* Lucas, S.G., Ziegler, K.E., Lueth, V.W., Owen, D.E., eds., *Geology of the Chama Basin, New Mexico Geological Society, Guidebook 56*, p. 237-257.
- Koning, D.J., **Connell, S.D.**, Slate, J.L., and Wan, E., 2007, Stratigraphic constraints for Miocene-age vertical motion along the Santa Clara fault, Española basin, north-central New Mexico, *in* Kues, B.S., Kelley, S.A., and Lueth, V.W., eds., *Geology of the Jemez Region II: New Mexico Geological Society, Guidebook 58*, p. 225-238.
- Love D.W., and **Connell, S.D.**, 2005, Late Neogene drainage developments on the southeastern Colorado Plateau, New Mexico, *in* Lucas, S.G., Morgan, G.S., and Ziegler, K.E., eds., *New Mexico's Ice Ages: New Mexico Museum of Natural History and Science Bulletin 28*, p. 151-169.
- Lucas, S.G., Kelley, S.A., Spielmann, J.A., Lockley, M.G., and **Connell, S.D.**, 2007, Miocene bird footprints from northern New Mexico, *in* Lucas, S.G., Spielmann, J.A., eds., *Cenozoic vertebrate tracks and traces: New Mexico Museum of Natural History and Science, Bulletin 42*, p. 169-176.

2004-2002

- Connell, S.D.**, 2004, Geology of the Albuquerque Basin and tectonic development of the Rio Grande rift, north-central New Mexico, *in* Mack, G.H., and Giles, K.J., eds., The Geology of New Mexico, A geologic history: New Mexico: New Mexico Geological Society, Special Publication 11, p. 359-388.
- Connell, S.D.**, Cather, S.M., McIntosh, W.C., Dunbar, N., 2002, Stratigraphy of the Tanos and Blackshare Formations (lower Santa Fe Group), Hagan embayment, Rio Grande rift, New Mexico: *New Mexico Geology*, v. 24, n. 4, p. 107-120.
- Kelson, K.I., Bauer, P.W., **Connell, S.D.**, Love, D.W., Rawling, G.C., and Mansell, M., 2004, Initial paleoseismic and hydrogeologic assessment of the southern Sangre de Cristo fault at the Taos Pueblo *in* Brister, B.S., Bauer, P.W., Read, A.S., and Lueth, V.W., eds., Geology of the Taos Region: New Mexico Geological Society, Guidebook 55, p. 289-299.
- Koning, D.J., **Connell, S.D.**, Pazzaglia, F.J., McIntosh, W.C., 2002, Redefinition of the Ancha Formation and Pliocene-Pleistocene deposition in the Santa Fe embayment, north-central New Mexico: *New Mexico Geology*, v. 24, n. 3, p. 75-87.

2001

- Connell, S.D.**, 2001, Stratigraphy of the Albuquerque Basin, New Mexico: A progress report, *in* **Connell, S.D.**, Lucas, S.G., and Love, D.W., eds., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, mini-papers for field trip guidebook: Albuquerque, New Mexico: Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454B, p. A1-A27.
- Connell, S.D.**, Cather, S.M., 2001, Stratigraphy of the lower Santa Fe Group, Hagan embayment, north-central New Mexico: Preliminary results, *in* **Connell, S.D.**, Lucas, S.G., and Love, D.W., eds., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, mini-papers for field trip guidebook: Albuquerque, New Mexico: Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454B, p. H49-H56.
- Connell, S.D.**, Love, D.W., 2001, Stratigraphy of middle and upper Pleistocene fluvial deposits of the Rio Grande (post Santa Fe Group) and the geomorphic development of the Rio Grande Valley, northern Albuquerque Basin, central New Mexico, *in* **Connell, S.D.**, Lucas, S.G., and Love, D.W., eds., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, mini-papers for field trip guidebook: Albuquerque, New Mexico: Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454B, p. J67-J78.
- Connell, S.D.**, Koning, D.J., Derrick, N.N., Love, D.W., Lucas, S.G., Morgan, G.S., Jackson-Paul, P.B., 2001, Second-day, Calabacillas sub-basin: Zia Pueblo, Rio Rancho, and Tijeras Arroyo, *in* **Connell, S.D.**, Love, D.W., Lucas, S.G., Koning, D.J., Derrick, N.N., Maynard, S.R., Morgan, G.S., Jackson-Paul, P.B., and Chamberlin, R., trip leaders., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, field trip guidebook: Albuquerque, New Mexico, Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454A, p. 17-26.
- Connell, S.D.**, Koning, D.J., and Derrick, N.N., 2001, Preliminary interpretation of Cenozoic strata in the Tamara No. 1-Y well, Sandoval County, north-central New Mexico, *in* **Connell, S.D.**, Lucas, S.G., and Love, D.W., eds., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, mini-papers for field trip guidebook: Albuquerque, New Mexico: Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454B, p. K79-K88.
- Connell, S.D.**, Love, D.W., and Sorrell, J.D., 2001, Geology of the Isleta Reservation, First-day road log, October 12, 2001, *in* **Connell, S.D.**, Love, D.W., Sorrell, J.D., and Harrison, J.B.J., trip leaders., Plio-Pleistocene stratigraphy and geomorphology of the central part of the Albuquerque Basin: Friends of the Pleistocene, Rocky Mountain Cell, Field-trip guidebook: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454C, p. 1-1 to 1-28.

- Connell, S.D.**, Love, D.W., and Sorrell, J.D., 2001, Geology of southern Albuquerque and Tijeras Arroyo, Second-day road log, October 13, 2001, *in Connell, S.D.*, Love, D.W., Sorrell, J.D., and Harrison, J.B.J., trip leaders., Plio-Pleistocene stratigraphy and geomorphology of the central part of the Albuquerque Basin: Friends of the Pleistocene, Rocky Mountain Cell, Field-trip guidebook: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454C, p. 2-1 to 2-23.
- Connell, S.D.**, Lucas, S.G., Koning, D.J., Maynard, S.R., and Derrick, N.N., 2001, First-day, Santo Domingo sub-basin: Hagan Embayment and northern flank of the Sandia Mountains, *in Connell, S.D.*, Love, D.W., Lucas, S.G., Koning, D.J., Derrick, N.N., Maynard, S.R., Morgan, G.S., Jackson-Paul, P.B., and Chamberlin, R., trip leaders., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, field trip guidebook: Albuquerque, New Mexico, Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454A, p. 1-15.
- Koning, D.J., **Connell, S.D.**, Pazzaglia, F.J., and McIntosh, W.C., 2001, Stratigraphy of the Tuerto and Ancha formations (upper Santa Fe Group), Hagan and Santa Fe embayments, north-central New Mexico, *in Connell, S.D.*, Lucas, S.G., and Love, D.W., eds., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, mini-papers for field trip guidebook: Albuquerque, New Mexico: Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454B, p. I57-I66.
- Love, D.W., and **Connell, S.D.**, 2001, Geology of Los Lunas volcano, Third-day road log, October 14, 2001, *in Connell, S.D.*, Love, D.W., Sorrell, J.D., and Harrison, J.B.J., trip leaders., Plio-Pleistocene stratigraphy and geomorphology of the central part of the Albuquerque Basin: Friends of the Pleistocene, Rocky Mountain Cell, Field-trip guidebook: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454C, p. 3-1 to 3-13.
- Love, D.W., **Connell, S.D.**, Lucas, S.G., Morgan, G.S., Derrick, N.N., Jackson-Paul, P.B., and Chamberlin, R., 2001, Third-day, Belen sub-basin: Belen, Sevilleta National Wildlife Refuge, and northern Socorro Basin, *in Connell, S.D.*, Love, D.W., Lucas, S.G., Koning, D.J., Derrick, N.N., Maynard, S.R., Morgan, G.S., Jackson-Paul, P.B., and Chamberlin, R., trip leaders., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, field trip guidebook: Albuquerque, New Mexico, Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454A, p. 27-53.
- Love, D.W., **Connell, S.D.**, Dunbar, N., McIntosh, W.C., McKee, W.C., Mathis, A.G., Jackson-Paul, P.B., Sorrell, J.D., and Abeita, N., 2001, Guide to the geology of the eastern side of the Rio Grande Valley along southbound I-25 from Rio Bravo Boulevard to Bosque Farms, Bernalillo and Valencia Counties, New Mexico, *in Connell, S.D.*, Lucas, S.G., and Love, D.W., eds., Stratigraphy and tectonic development of the Albuquerque Basin, central Rio Grande rift, mini-papers for field trip guidebook: Albuquerque, New Mexico: Geological Society of America, Rocky Mountain-South Central Section Meeting: New Mexico Bureau of Geology and Mineral Resources, Open-file report 454B, p. L89-L93.
- Connell, S.D.**, 2000, Geology of the northern Sandia Mountains and Albuquerque Basin, Placitas and Bernalillo area, Sandoval County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, New Mexico Decision-Makers Field Guide No. 1, p. 140-143.

1999-1998

- Allen, B.D., **Connell, S.D.**, Hawley, J.W., and Stone, B.D., 1998, Core drilling provides information about Santa Fe Group aquifer system beneath Albuquerque's west side: *New Mexico Geology*, v. 20, n. 1, p. 9-13.
- Connell, S.D.**, Allen, B.D., and Hawley, J.W., 1998, Subsurface stratigraphy of the Santa Fe Group using borehole geophysical logs, Albuquerque area, central New Mexico: *New Mexico Geology*, v. 20, n. 1, p. 2-7.
- Connell, S.D.**, and Wells, S.G., 1999, Pliocene and Quaternary stratigraphy, soils, and geomorphology of the northern flank of the Sandia Mountains, Albuquerque Basin, Rio Grande rift, New Mexico, *in*

Pazzaglia, F.J., and Lucas, S.G., eds., Albuquerque Geology: New Mexico Geological Society, Guidebook 50, p. 379-391.

- Connell, S.D.**, Koning, D.J., and Cather, S.M., 1999, Revisions to the stratigraphic nomenclature of the Santa Fe Group, northwestern Albuquerque Basin, New Mexico, *in* Pazzaglia, F.J., and Lucas, S.G., eds., Albuquerque Geology: New Mexico Geological Society, Guidebook 50, p. 337-353.
- Maldonado, F., **Connell, S.D.**, Love, D.W., Grauch, V.J.S., Slate, J.L., McIntosh, W.C., Jackson, P.B., and Byers, F.M., Jr., 1999, Neogene geology of the Isleta Reservation and vicinity, Albuquerque Basin, New Mexico, *in* Pazzaglia, F.J., and Lucas, S.G., eds., Albuquerque Geology: New Mexico Geological Society Guidebook 50, p. 175-188.
- Pazzaglia, F.J., **Connell, S.D.**, Tedford, R.H., Hawley, J.W., Personius, S., Smith, G.A., Cather, S.M., Lucas, S.G., Hester, P., Gilmore, J., and Woodward, L.A., 1999, Second-day trip 2 road log, Albuquerque to San Ysidro, Loma Creston, La Ceja, and Sand Hill fault, *in* Pazzaglia, F.J., and Lucas, S.G., eds., Albuquerque Geology: New Mexico Geological Society, Guidebook 50, p. 47-66.
- Pazzaglia, F.J., Lucas, S.G., Estep, J., **Connell, S.D.**, Karlstrom, K.E., Black, B., Smith, G.A., Hawley, J.W., Johnson, P., Cather, S.M., and Stearns, C.E., 1999, First day road log, Albuquerque to Placitas, Hagan basin, and Espinaso Ridge, *in* Pazzaglia, F.J., and Lucas, S.G., eds., Albuquerque Geology: New Mexico Geological Society, Guidebook 50, p. 1-26.

1994-1990

- Connell, S. D.**, and Seward, A.E., 1990, Evidence of Holocene fault activity on the Elkhorn fault, *in* Larson, R. A., and Buckley, C. I., eds., Geology and engineering geology of the western Soledad basin, Los Angeles County, California: Southern California Section of the Association of Engineering Geologists, 1990 Annual Field Trip Guidebook, p. 132-144.
- Connell, S.D.**, and Wells, S.G., and Williamson, T.N., 1994, Determination of the Holocene-Pleistocene boundary along the Mojave River, Summit Valley to Victorville, California, *in* Everson, G.D., and Schneider, J.S., eds., Kelso Conference Papers, 1987-1992: Occasional Papers in Anthropology Number 4, California State University, Bakersfield, Museum of Anthropology, p. 95-105.
- Sena, G., **Connell, S.**, Wells, S., and Anderson, K., 1994, Investigation of surficial processes active on fan pavement surfaces using tilted carbonate collars, Providence Mountains, California, *in* McGill, S.F., and Ross, T.M., eds., Geological investigations of an active margin: Geological Society of America 27th Annual Cordilleran Section Meeting Guidebook, p. 210-213.
- Wells, S.G., **Connell, S.D.**, and Martin, J.J., 1993, Geomorphic and soil stratigraphic evaluation of a faulted alluvial sequence, eastern Coachella Valley, California, *in* Reynolds, R., and Reynolds, J., eds., Ashes, basins and faults: Mojave Desert Quaternary Research Center Symposium Guidebook, San Bernardino County Museum Association, p. 39-49.
- Wells, S.G., **Connell, S.D.**, and Williamson, T.N., 1994, Soil development in valley floor deposits along the southern margin of the San Timoteo Badlands, Riverside County, California, *in* McGill, S.F., and Ross, T.M., eds., Geological investigations of an active margin, Geological Society of America 27th Annual Cordilleran Section Meeting Guidebook, p. 140-146.

## Geologic Maps

### 2007-2000

- Baer, S., Karlstrom, K.E., Bauer, P.W., and **Connell, S.D.**, 2004, Geology the Manzano Peak 7.5-minute quadrangle, Valencia and Torrance Counties, New Mexico, New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 61, scale 1:12,000.
- Cather, S.M., **Connell, S.D.**, and Black, B.A., 2000, Preliminary geologic map of the San Felipe Pueblo NE 7.5-Minute quadrangle, Sandoval County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 37, scale 1:24,000.
- Cather, S.M. and **Connell, S.D.**, Lucas, S., Picha, M.G., and Black, B.A., 2002, Geology of the Hagan 7.5-min. quadrangle, Sandoval County, New Mexico, New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 50, scale 1:24,000.
- Connell, S.D.**, 2008, Geologic map of the Albuquerque-Rio Rancho metropolitan area, Bernalillo and Sandoval County, New Mexico: New Mexico Bureau of Geology and Mineral Resources, Geologic Map GM-78, scale 1:50,000, 2 pls.
- Connell, S.D.**, 2001, Geology, groundwater, and geologic hazards in the Albuquerque basin, New Mexico [available online only]: Meeting Challenges with Geologic Maps: American Geologic Institute: <http://www.agiweb.org/environment/publications/mapping/graphics/newmexico.pdf>
- Connell, S.D.**, 2006, Preliminary geologic map of the Albuquerque-Rio Rancho metropolitan area and vicinity, Bernalillo and Sandoval Counties, New Mexico: New Mexico Bureau of Geology and Mineral Resources, Open-file report 496, *version 2.0*, scale 1:50,000, available online at <http://geoinfo.nmt.edu/publications/openfile/496>
- Connell, S.D.**, and McCraw, D.J., 2007, Geologic map of the La Joya NW 7.5-minute quadrangle, Socorro County, New Mexico: New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 140, scale 1:24,000.
- de Moor, M., Zinsser, A., Karlstrom, K., Chamberlin, R., **Connell, S.**, Read, A., 2005, Geology of the La Joya 7.5-minute quadrangle, Socorro County, New Mexico: New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 102, scale 1:12,000. [*contributed to over half of original mapping on quadrangle*].
- Karlstrom, K.E., **Connell, S.D.**, Rogers, S.A., and Crawford, E.B., 2001, Geology of the Capilla Peak 7.5-minute quadrangle, Torrance and Valencia Counties, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map 27, scale 1:12,000.
- Luther, A.L., Karlstrom, K.E., Scott, L.A., Elrick, M., and **Connell, S.D.**, 2005, Geology of the Becker 7.5-minute quadrangle, Valencia and Socorro Counties, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 100, scale 1:24,000.
- Maldonado, F., Slate, J.L., Love, D.W., **Connell, S.D.**, Karlstrom, K.E., and Cole, J.C., 2007, Geologic map of the Pueblo of Isleta Tribal lands and vicinity, Bernalillo, Torrance, and Valencia Counties, central New Mexico: U.S. Geological Survey, Scientific Investigations Series Map 2913, scale 1:50,000. Available online at <http://pubs.usgs.gov/sim/2913/>.
- Read, A.S., Cather, S.M., **Connell, S.D.**, Chamberlin, R.C., 2007, Geologic map of the Ladron Peak 7.5-minute quadrangle, Socorro County, New Mexico: New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 142, scale 1:12,000.
- Scott, L.A., Elrick, M., **Connell, S.**, and Karlstrom, K., 2005, Preliminary Geologic Map of the Scholle 7.5-minute Quadrangle, Valencia, Torrance, and Socorro Counties, New Mexico, New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 99, scale 1:24,000.

### 1999-1995

- Cather, S.M., and **Connell, S.D.**, 1998, Geology of the San Felipe Pueblo 7.5-minute quadrangle, Sandoval County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 19, scale 1:24,000.
- Cather, S.M., **Connell, S.D.**, Heynekamp, M.R. and Goodwin, L.B., 1997, Geology of the Sky Village SE (Arroyo de Las Calabacillas) 7.5-minute quadrangle, Sandoval County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 9, scale 1:24,000.

- Connell, S.D.**, 1997, Geology of the Alameda 7.5-minute quadrangle, Bernalillo County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 10, scale 1:24,000.
- Connell, S.D.**, 1998, Geology of the Bernalillo 7.5-minute quadrangle, Sandoval County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 16, scale 1:24,000, *revised February 17, 2000*.
- Connell, S.D.**, Allen, B.D., Hawley, J.W., and Shroba, R., 1998, Geology of the Albuquerque West 7.5-minute quadrangle, Bernalillo County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 17, scale 1:24,000.
- Connell, S.**, Cather, S., Karlstrom, K., Menne, B., Picha, M., Andronicus, C., Read, A., Ilg, B., Bauer, P., and Johnson, P.S., 1995, Geology of the Placitas 7.5-min quadrangle, Sandoval County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 2, scale 1:12,000, *revised February 17, 2000*.
- Karlstrom, K., Kirby, E., **Connell, S.**, Read, A., Ferguson, C., Osburn, G., Abbott, J., Hitchcock, C., Kelson, K., Noller, J., Sawyer, T., Bauer, P., Ralser, S., Love, D., and Nyman, M., 1994, Geology of the Tijeras 7.5-minute quadrangle, Bernalillo County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 4, scale 1:12,000.
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