

# Curriculum vitae

## Adam S. Read

New Mexico Bureau of Geology & Mineral Resources  
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## Education

Master of Science in Geology: University of New Mexico August 1997  
Thesis title: “*A mid-crustal cross section from the Rincon Range, northern New Mexico: Evidence for 1.68 Ga pluton-influenced tectonism and 1.4 Ga regional metamorphism*”

Bachelor of Science in Geology, *cum laude*: University of New Mexico May 1989

## Awards

New Mexico Geological Society – Honorary Member Sept, 2013

Contributing author for: The Geology of Northern New Mexico's Parks, Monuments, and Public Lands, L. Greer Price, editor, 2010 *which won the*: 2011 Southwest Book Design & Production Award Winner for Guide and Travel 2011

NASA JSC Group Achievement Award, presented to the ASCAN Geophysical Training Team May, 2010

Lyndon B. Johnson Space Center – Group Achievement Award Dec, 1999

Teaching Assistant of the Year Award: University of New Mexico 1996/1997

Geology Alumni Scholarship: Department of Earth & Planetary Sciences, University of New Mexico 1995 & 1996

Research, Preparation, and Travel Grant: travel expenses for geochronologic research at the Massachusetts Institute of Technology, Office of Graduate Studies, University of New Mexico Fall 1995

Grant in Aid: for expenses related to research in the Rincon Range, New Mexico Geological Society 1995

Excel Scholarship: University of New Mexico 1984 to 1988

## Short Courses & Workshops

Cyberinfrastructure Summer Institute for Geoscientists (CSIG), San Diego Supercomputing Center, UC San Diego. August 10-14, 2009

Geological Society of America Short Course, Digital Mapping Methods: Accurate Digital Data Capture and Analysis for the Field Geoscientist, Denver CO. Fall, 1999

## Work History

### **Geologist / Webmaster**

*Sept. 02 to present*

#### **— New Mexico Bureau of Geology & Mineral Resources:**

- Field geologic mapping of numerous 7.5-minute quadrangles, regional geologic map compilations, topical geologic problems.
- Maintenance of the Bureau web servers and web pages
- Develop and revise web content, interact with other staff who provide web content, make web pages accessible by using open standards (CSS)

### **Senior Geological Lab Associate**

*Aug. 1998 to Sept. 02*

#### **— New Mexico Bureau of Geology & Mineral Resources:**

- Field geologic mapping and compilation of several 7.5' quadrangles including: Sandia Crest, Tijeras, Placitas, Seton Village, Santa Fe, and Pecos.
- Improvement and development of an ArcView GIS system for New Mexico oil and gas pools.
- Implementation of an internet map server and associated web pages that allow online access to the oil and gas pool map GIS as well as sample locations and mineral districts.
- Maintenance of web servers and web pages

### **Geologic Mapper**

*Jun. 1997 to Aug. 1998*

#### **— New Mexico Bureau of Mines & Mineral Resources:**

- Contract field geologic mapping and map compilation of faulted Paleozoic rocks within the Sedillo, Tijeras, and Sandia Crest quadrangles, north-central New Mexico (1997). Continuing work on the Sedillo and Sandia Crest quadrangles in addition to new work on the Tesuque quadrangle (1998).

### **Editorial Assistant and Graphic Artist**

*Jan. 1998 to Mar. 1998*

#### **— Rocky Mountain Geology:**

- Coordinated scientific journal reviews and revisions with authors, editor, and publisher. Created computer-drawn technical illustrations and produced a web site for a collaborative research project.

### **River Guide & Interpreter**

*Mar. 1996 & Jun. 1997*

#### **— Cerro Alto Geological Consultants:**

- Boatman and geologic interpreter guiding university groups interested in the geology of the Lower Granite Gorge of the Grand Canyon.
- Responsible for setup and safety of rope systems for group canyoneering hikes.

### **Teaching & Research Assistant**

*Aug. 1994 to Jun. 1997*

#### **— University of New Mexico:**

- Assisted with an introductory-level undergraduate field geology course.
- Taught undergraduate structural geology labs: prepared assignments, delivered lectures, and assisted on field-project trips.
- Teaching assistant for Advanced Field Geology classes: mapped with students and assisted them in interpreting problem areas. Helped students organize individual research projects and presentations.
- Taught introductory geology laboratory classes.
- Research Assistant: study of New Mexico Proterozoic structural evolution and metamorphism.

### **Emergency Medical Technician (EMT)**

*Mar. 1994 to Feb 1995*

#### **— Albuquerque Ambulance Service:**

- Responded to medical emergency 911 calls and non-emergency inter-hospital patient transfers.

**Geologist***Jan. 1, 1990 to Aug. 15, 1993*— *Santa Fe Pacific Mining:*

- Produced digital maps, cross sections, and graphics from down-hole and surface geochemical data.
- Digitally compiled geologic maps.
- Developed a CAD-based gold-ore-reserve modeling system that interfaced with mine-planning software using a relational database.
- Programmed a sample database application and maintained a large collection of mine sample data..

**Rock Climbing Instructor***Aug. 1988 to May 1990*— *University of New Mexico:*

- Taught 16 week courses in basic and intermediate rock climbing to classes of 12-24 students. Developed the curriculum for the rock climbing course at UNM.

**Ropes Course Technician***Aug. 1988 to Dec. 1993*— *University of New Mexico Confidence Course:*

- Designed, built, and maintained a high ropes course and ran groups of people through the course. Participants were asked to overcome obstacles which required group interaction and teamwork.

**Publications****Papers**

Cather, S. M.; Read, A. S.; Dunbar, N. W.; Kues, B. S.; Krainer, K.; Lucas, S.G.; Kelley, S.A., 2011, Provenance evidence for major post-Early Pennsylvanian dextral slip on the Picuris-Pecos fault, northern New Mexico, *Geosphere*, v. 7, pp. 1175-1193

Read, A.S., Karlstrom, K.E., 1999, Mississippian Del Padre Sandstone or Proterozoic Quartzite? in: *New Mexico Geological Society Guidebook, 50th Field Conference, Sandia Mountains, New Mexico*, p. 41-45.

Read, A.S., Karlstrom, K.E., Grambling, J.A., Bowring, S.A., Heizler, M., and Daniel, C., 1999, A mid-crustal cross section from the Rincon Range, northern New Mexico: evidence for 1.68 Ga pluton-enhanced tectonism and 1.4 Ga regional metamorphism.: in: *Rocky Mountain Geology*, v.34, no. 1,; Lithospheric structure and evolution of the Rocky Mountains Part II, (special volume), University of Wyoming, K.E. Karlstrom (ed). v.34, no. 1, p. 67-91. ]

Williams, M.L., Karlstrom, K.E., Lanzirotti, A., Read, A.S., Bishop, J.L., Lombardi, C.E., Wingstead, M.B., 1999, New Mexico middle crustal cross sections: 1.65 Ga macroscopic geometry, 1.4 Ga thermal structure and continued problems in understanding crustal evolution, in: *Rocky Mountain Geology: Lithospheric structure and evolution of the Rocky Mountains Part II, (special volume)*, University of Wyoming, K.E. Karlstrom (ed), v.34, no. 1, p. 53-56.

**Books**

Read, A.S. and Connell, S.D., 2010, The Sandia Mountains, pp. 201-208, in: *The geology of northern New Mexico's parks, monuments and public lands*, Price, L. Greer, ed, pp. 1-372.

Read, A.S. and Kelley, S.A., 2010, Introduction to the "Rio Grande Rift" section, pp. 182-186, in: *The geology of northern New Mexico's parks, monuments and public lands*, Price, L. Greer, ed, pp. 1-372.

Brian Brister, Paul W. Bauer, Adam S. Read and Virgil W. Lueth, eds., 2004, *New Mexico Geological Society Guidebook, 55th Field Conference: Geology of the Taos Region*, 440 p.

Karlstrom, Karl E.; Amato, Jeffrey M.; Williams, Michael L.; Heizler, Matt; Shaw, Colin; Read, Adam S.; Bauer, Paul, 2004, Proterozoic tectonic evolution of the New Mexico region: A synthesis, in: *The Geology of New*

Mexico - A Geologic History, Mack, Greg H.; Giles, Katherine A., ed(s), New Mexico Geological Society, Special Publication, v. 11, pp. 1-34. ISBN: 1-58546-010-9

## **Geologic Maps**

- Koning, Daniel J.; Read, Adam S., 2010, Geologic map of the southern Espanola Basin, Santa Fe County, New Mexico, New Mexico Bureau of Geology Mineral Resources, Open-file Report-531, scale 1:48,000, DVD-ROM (PDF files and GIS data).
- McCraw, David J.; Read, Adam S.; Lawrence, John R.; Goff, Fraser; Goff, Cathy J., 2009, Geologic map of the San Mateo quadrangle, Cibola and McKinley Counties, New Mexico, New Mexico Bureau Geology Mineral Resources, Open-file Geologic Map, v. OF-GM 194, pp. 1:24000.
- Read, A.S., Cather, S.M., Chamberlin, R.M., Connell, S.D., and Karlstrom, K.E., 2007, Preliminary geologic map of the Ladron Peak quadrangle, Socorro County, New Mexico, New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 142, 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' quadrangle, Socorro County, New Mexico: New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map OF-GM 102, scale 1:24,000.
- Read, A.S., Koning, D.J., and Johnson, P.S., 2004 (revised 3/5/2005), Generalized geologic map of the southern Española Basin, Santa Fe County, New Mexico, New Mexico Bureau of Geology & Mineral Resources Open-File Report-481, scale 1:50,000, CD-ROM (PDF files and GIS data).
- Cather, S.M. and Read, A.S. 2003, Preliminary Geology of the Silver Creek 7.5 min quadrangle, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 75, scale 1:24,000.
- Read, A.S., and Rawling, G.C., 2002, Preliminary Geology of the Pecos 7.5 min quadrangle, San Miguel and Santa Fe Counties, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 52, scale 1:24,000.
- Read, A.S., Koning, D.J., Smith, G.A., Ralser, S., Rogers, J., Bauer, P.W., 2000, Geology of the Santa Fe 7.5-min. quadrangle, Santa Fe County, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 32, scale 1:12,000.
- Read, A.S., Rogers, J., Ralser, S., Ilg, B., Kelley, S., 1999, Geology of the Seton Village 7.5-min quadrangle, Santa Fe County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Digital Geologic Map OF-DGM-23, scale 1:12,000.
- Borchert, C., and Read, A.S., 1998, Geology of the Tesuque 7.5-min. quadrangle, Santa Fe County, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Open-file Geologic Map OF-GM 47, scale 1:24,000.
- Read, A.S., Allen, B., Osburn, G.R., Ferguson, C., Chamberlain, R., 1998, (latest revision: 14 February, 2000), Geology of the Sedillo 7.5-min quadrangle, Bernalillo County, New Mexico, New Mexico Bureau of Mines and Mineral Resources Open-file Digital Geologic Map OF-GM 20:, scale 1:24,000.
- Connell, S., Cather, S., Ilg, B., Karlstrom, K.E., Menne, B., Picha, M., Andronicus, C., Read, A.S., Bauer, P., and Johnson, P.S., 1995 (latest revision:), Geology of the Bernalillo and Placitas 7.5-min quadrangles, Sandoval County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Digital Geologic Map OF-DGM 16 and OF-GM 2, scale 1:24,000.
- Read, A.S., Connell, Karlstrom, K.E., S, Kirby, E., Ferguson, C., Ilg, Pazzaglia, F, Osburn, G.R., Van Hart, D., 1995 (latest revision: 22 February, 2000), Geology of the Sandia Crest quadrangle, Bernalillo and Sandoval Counties, New Mexico, Open-file Digital Geologic Map OF-GM 6: New Mexico Bureau of Mines and Mineral Resources, scale 1:24,000.
- Karlstrom, K.E., Kirby, E., Connell, S., Read, A.S., Ferguson, C., Osburn, G.R., Ilg., B., Abbott, J., Hitchcock, C., Kelson, K., Noller, J., Sawyer, T., Bauer, P., Ralser, S., Love, D., and Nyman, M., 1994 (latest revision: 22,

September, 1999), Geology of the Tijeras 7.5-min quadrangle, Bernalillo County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Open-file Digital Geologic Map OF-GM 4, scale 1:24,000.

## Road Logs

Bauer, Paul; Read, Adam; Timmons, Mike, 2006, AASG 2006 Field Trips. Trip No. 1: Taos Loop, (variously paginated).

Bauer, Paul W.; Read, Adam S.; Kelson, Keith I.; Kues, Barry S.; Aby, Scott B.; Muehlberger, William R.; Thompson, Ren A.; Austin, George S.; Smith, Gary A., 2004, The San Luis Basin to the Española Basin - Third-day Road Log from Talpa to the Rio Grande del Rancho Valley, U.S. Hill, Vadito, and Peñasco, in: Geology of the Taos Region, Brister, Brian S.; Bauer, Paul W.; Read, Adam S.; Lueth, Virgil W., ed(s), New Mexico Geological Society, Guidebook, 55th Field Conference, pp. 77-78. ISBN: 1-58546-090-7

Bauer, Paul W.; Read, Adam S.; Kelson, Keith I.; Muehlberger, William R.; Koning, Daniel J., 2004, The Flanks of the Rift - Second-day Road Log from Taos of Taos Pueblo, Llano Quemado, Pilar and Return to Taos, in: Geology of the Taos Region, Brister, Brian S.; Bauer, Paul W.; Read, Adam S.; Lueth, Virgil W., ed(s), New Mexico Geological Society, Guidebook, 55th Field Conference, pp. 37-52. ISBN: 1-58546-090-7

Lucas, Spencer G.; Read, Adam; Karlstrom, Karl E.; Estep, John W.; Kues, Barry S.; Anderson, Orin J.; Smith, Gary A.; Pazzaglia, Frank J., 1999, Second-day trip 1 road log: From Albuquerque to Tijeras, Cedar Crest and Sandia Crest, in: Albuquerque Country, Pazzaglia, Frank J.; Lucas, S. G.; Austin, G. S., ed(s), New Mexico Geological Society, Guidebook, 50th Field Conference, pp. 27-46. ISBN: 1-58546-085-0.

## Reports

Drenth, B.J., Bauer, P.W., and Read, A.S., 2010, Recent gravity studies on Taos Pueblo lands: Data collection, data processing, and preliminary interpretation: U.S. Geological Survey Administrative Report to Taos Pueblo, 14 p.

Barker, James; Wilks, Maureen; Jones, Glen; Read, Adam; Frisch, Karl; Vaiza, Judy; Hemenway, Lynne; Gonzales, Terry; Schwartzberg, Donn; Kehow, Larry; Bailey, Jami; Runyon, Natalie; Hawley, J.; McCraw D.; Love, D.; Connell, S., 2006, Construction aggregate on New Mexico State Trust Lands, New Mexico Bureau of Geology & Mineral Resources, Open-file Report 462, version 5.0, CD-ROM (three disk set; This is a joint project of the New Mexico Bureau of Geology & Mineral Resources and the New Mexico State Land Office.)

Johnson, P.S., Koning, D.J., Read, A.S., 2004, Report of findings from 2003 and 2004 hydrogeologic studies, Española Basin, New Mexico, Technical completion report to the Office of the State Engineer, New Mexico Bureau of Geology & Mineral Resources, Open File Report 481, CD-ROM

Barker, James; Wilks, Maureen; Jones, Glen; Read, Adam; Frisch, Karl; Vaiza, Judy; Hemenway, Lynne; Gonzales, Terry; Schwartzberg, Donn; Kehow, Larry; Bailey, Jami; Runyon, Natalie, 2001, Construction aggregate on New Mexico State Trust Lands, New Mexico Bureau Geology Mineral Resources, Open-file Report, v. 0462, (version 1.0), CD-ROM.

Read, Adam and Brister, Brian, 2001, Oil and Gas Resource Development for San Juan Basin, New Mexico - Geographic Information System Maps, in: Oil and Gas Resource Development for San Juan Basin, New Mexico - A 20-year, Reasonable Foreseeable development (RFD) Scenario Supporting the Resource Management Plan for the Farmington Field Office, Bureau of Land Management, 2001, Thomas W. Engler, Brian S. Brister, Her-Yuan Chen, Lawrence W. Teufel, New Mexico Bureau of Geology & Mineral Resources, Open-file Report 463, CDROM. (This report contains numerous GIS coverages and databases useful for anyone interested in petroleum issues in Northwest New Mexico.)

Read, Adam; Broadhead, Ron; Lopez, Annabelle; Fleming, Elizabeth; and Watrous, Jim, 2000, New Mexico Oil & Gas Pools, With an additional special emphasis on: The Morrow Play, Adam Rewis and Brian S. Brister, Circular 209, New Mexico Bureau of Mines and Mineral Resources, (CD-ROM with maps and data in several formats including: ArcView, ArcExplorer, and PDF) (see documentation).

Fleming, Elizabeth R.; Hoffman, Gretchen K.; Read, Adam S., 1999, Drill core, cuttings and well information available at the New Mexico Bureau of Mines and Mineral Resources, Spring 1999, 67 p.

## Abstracts

- Graff, T.G.; Evans, C.A.; Bleacher, J.E.; Young, K.E.; Helper, M.A.; Tewksbury, B.J.; Hurtado Jr., J.M.; Edgar, L.A.; Thompson, R.A.; Stefanov, W.L.; Osinski, G.R.; Regberg, A.B.; Zeigler, R.A.; Bauer, P.W.; Wilkinson, M.J.; Zimmerer, M.J.; Timmons, M.; Read, A., 2019, Earth and Planetary Science Training for NASA's Newest Astronauts: 2018 Training and 2019 Planning, 50th Lunar and Planetary Science Conference (2019), Abstract #2139
- Koning, Daniel J.; Read, Adam S., 2017, Geology along the upper to middle Santa Fe River, Santa Fe County, New Mexico, presented at the 2017 EBTAG meeting, Santa Fe, NM, October 12-13, 2017.
- Koning, Daniel J.; Read, Adam S., 2012, Geologic map and cross sections of the Southern Española Basin, Geological Society of America, Rocky Mountain Section - 64th Annual Meeting (9–11 May 2012), Albuquerque, New Mexico, Geological Society of America Abstracts with Programs, Vol. 44, No. 6, p. 12.
- Ricketts, Jason W., Karlstrom, Karl E., Read, Adam S., Van Hart, Dirk, and Kelley, Shari A., 2012, Revisiting the importance of low-angle normal faulting in the Rio Grande Rift, central New Mexico, Geological Society of America, Rocky Mountain Section - 64th Annual Meeting (9–11 May 2012), Albuquerque, New Mexico, Geological Society of America Abstracts with Programs, Vol. 44, No. 6, p. 28.
- Koning, D.J.; Read, A.S., 2011, Geologic Map And Cross-Sections of the Southern Española Basin, Abstract (poster) presented at the 2011 EBTAG meeting, Santa Fe, NM, February 23-24, 2011.
- Ricketts, J. W.; Karlstrom, K. E.; Kelley, S. A.; Read, A. S., 2011, Cross section restoration from Ladron Peak to the Joyita Hills and investigations of the timing and mechanisms of low-angle normal faulting in the Rio Grande rift (abs.), in: New Mexico Geological Society, 2011 Spring Meeting, April 15th, Socorro, NM, New Mexico Geology, v. 33, no. 2, 54 p.
- Koning, D.J.; Read, A.S., 2011, Geologic Map And Cross-Sections of the Southern Española Basin, Abstract (poster) presented at the 2011 EBTAG meeting, Santa Fe, NM, February 23-24, 2011.
- Ricketts, J. W.; Karlstrom, K. E.; Kelley, S. A.; Read, A. S., 2011, Cross section restoration from Ladron Peak to the Joyita Hills and investigations of the timing and mechanisms of low-angle normal faulting in the Rio Grande rift (abs.), in: New Mexico Geological Society, 2011 Spring Meeting, April 15th, Socorro, NM, New Mexico Geology, v. 33, no. 2, 54 p.
- Koning, D.J.; Read, A.S., 2010, Updated Compilation Map And Cross-Sections Of The Southern Española Basin, Abstract (poster) presented at the 2010 EBTAG meeting, Santa Fe, NM, March 4, 2010.
- Read, A.S., Rawling, G., Koning, D.J., Timmons, J.M., Connell, S.D., McCraw, D., Jones, G., Mansell, M., Williams, S., 2010, The New Mexico Bureau of Geology & Mineral Resources geologic data model, a comparison with other existing models, Abstract (poster) presented at Digital Mapping Techniques, Sacramento, CA, see: <http://geoinfo.nmt.edu/statemap/datamodel>
- Ricketts, J.W, Kelley, S.A., Read, A.S., Karlstrom, K.E., 2010, 20 – 10 Ma Rapid Exhumation And Ductile Low Angle Normal Faulting In The Rio Grande Rift, Recorded At Ladron Peak, Central New Mexico, Abstract T31B-2167 (poster) presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Cather, S. M.; Read, A. S.; Kelley, S. A.; Ulmer-Scholle, D., 2008, Genesis of fault breccia at Deer Creek - implications for the slip history of the Picuris-Pecos fault (abs.), in: New Mexico Geological Society, 2008 Annual Spring Meeting, New Mexico Geology, v. 30, no. 2, 55 p.
- Dickerson, Patricia W.; Muehlberger, William R.; Grauch, V. J. S.; Bauer, Paul; Read, Adam; Johnson, Peggy, 2008, Back to the future; basic training, in: Geological Society America, Annual Meeting, Abstracts with Programs, v. 40, no. 6, pp. 338.
- Koning, D. J.; Smith, G. A.; Read, A., 2008, Cenozoic stratigraphy in the Santa Fe Embayment and northwards to the Buckman well field, Espanola Basin, NM, in: Geologic and hydrologic framework of the Espanola Basin, Proceedings 6th Annual Espanola Basin Workshop, Santa Fe, New Mexico, March 6, 2007, Borchert, Claudia I., ed(s), New Mexico Bureau Geology Mineral Resources, Open-file Report, v. 0508, pp. 2.

- Cather, S.M.; Read, A.S.; Krainer, K.; Lucas, S.G.; Kelley, S.A.; Allen, B.D.; Timmons, J. M., 2007, Proximal Syntectonic Deposits Yield Definitive Evidence of Major Post-Atokan Slip on Picuris–Pecos Fault, North-Central New Mexico, Annual Meeting, Geological Society of America: Abstracts with Programs, Vol. 39, No. 6, p. 230.
- Cather, S.M.; Read, A.S.; Krainer, K.; Lucas, S.G.; Kelley, S.A.; Kues, B.S.; Allen, B.D.; Timmons, J.M., 2007, Analysis of Proximal Syntectonic Pennsylvanian Deposits Yields Definitive Evidence of Major Phanerozoic Slip on Picuris–Pecos Fault, North-Central New Mexico, New Mexico Geological Society Annual Spring Meeting, 2007.
- McElvain, T. H.; Read, A.; Tegtmeier, E.; Peterson, M.T.; Elston, W. E.; Newsom, H.E.; Cohen, B.A., 2007, Breccias of the Sangre De Cristo Impact Site Near Santa Fe, New Mexico: A Progress Report, New Mexico Geological Society Annual Spring Meeting, 2007.
- Muggleton, S R; Geissman, J W; Kelley, S A; Read, A S; Chamberlin, R M, 2007, Paleomeomagnetic Data from Tertiary Mafic Dikes and Pseudotachylites from the Sierra Ladrones, a Spatially Focused, Large-Magnitude Extension Rift-Flank Uplift, Rio Grande Rift, New Mexico: Implications for Footwall Exhumation, Eos Trans. AGU, 88(52), Fall Meet. Suppl., Abstract GP21A-0106.
- Newsom, H. E.; Elston, W. E.; Cohen, B. A.; Tegtmeier, E. L.; Petersen, M. T.; Read, A. S.; McElvain, T. H., 2007, Evidence for an impact structure in the Sangre de Cristo Mountains near Santa Fe, New Mexico, Meteoritics and Planetary Science, v. 42, pp. A117.
- Koning, D. J.; Johnson, P. S.; Read, A. S.; Grauch, V. J. S.; Minor, S. A., 2006, Stratigraphy and structure of the southern Espanola Basin, New Mexico, in: New Mexico Geological Society, Annual Spring Meeting, April 21st, 2006, Abstracts with Programs, New Mexico Institute Mining and Technology, Socorro, New Mexico, New Mexico Geology, v. 28, no. 2, pp. 63.
- Koning, Daniel J.; Read, Adam S.; Grauch, (Tien) V.J.S.; Minor, Scott A., 2006, Late Oligocene-Miocene structures in and west of the Santa Fe Embayment, New Mexico, and inferences regarding tectonism and paleotopography, From: Geologic and Hydrogeologic Framework of the Española Basin -Proceedings of the 5th Annual Española Basin Workshop, Santa Fe, New Mexico, March 7-8, 2006, Kevin C. McKinney, editor, U.S. Geological Survey Open-File Report 2006-1134, p. 25.
- McElvain, T.H.; Read, Adam; Petersen, Michael; Elston, Wolfgang; Newsom, Horton; Cohen, Barbara, 2006, Possible impact structure in the Sangre De Cristo Mountains near Santa Fe, New Mexico: A preliminary report, Geological Society of America Abstracts with Programs, Philadelphia Annual Meeting, Vol. 38, No. 7, p. 298. [ABSTRACT]
- Sawyer, David A.; Smith, Gary; Koning, Dan J.; Kelley, Shari ; Kellogg, Karl; Cole, Greg; Thompson, Ren; Minor, Scott; Read, Adam, 2006, Compilation progress on the extended Los Alamos-Espanola Basin 1:100,000-scale geologic map database, From: Geologic and Hydrogeologic Framework of the Española Basin - Proceedings of the 5th Annual Española Basin Workshop, Santa Fe, New Mexico, March 7-8, 2006, Kevin C. McKinney, editor, U.S. Geological Survey Open-File Report 2006-1134, p. 33.
- Koning, Daniel J.; Read, Adam S.; Grauch, V. J. S.; Minor, Scott A., 2005, Intrabasinal architecture of the southern Espanola Basin, Geologic and hydrogeologic framework of the Espanola Basin; proceedings Open-File Report - U. S. Geological Survey OF 2005-1130 (SEE ABSTRACT)
- McCraw, D.J., Timmons, J.M.; Read, A.S., 2005, The New Mexico Bureau of Geology and Mineral Resources' Preliminary Map Series: Expediting Dissemination of STATEMAP Geologic Map Data to the Public, Digital Mapping Techniques '05— Workshop Proceedings Edited by David R. Soller April 24-27, 2005 Baton Rouge, Louisiana, U.S. Geological Survey, Open-File Report 2005-1428, 274p. [ABSTRACT]
- Read, Adam S.; Koning, Daniel J.; Johnson, Peggy S., 2004, Geologic and hydrostratigraphic mapping progress in the southern Espanola Basin, Geologic and hydrogeologic framework of the Espanola Basin; proceedings Open-File Report - U. S. Geological Survey OF 2004-1093.

- Bauer, Paul W. ; Read, Adam S., 2003, Geologic mapping in the Espanola Basin by the New Mexico Bureau of Geology and Mineral Resources, Geologic and hydrogeologic framework of the Espanola Basin; proceedings Open-File Report - U. S. Geological Survey OF 03-0369.
- Koning, D. J.; Read, A. S.; Borchert, C., 2003, Sedimentologic and structural framework of the southern and central Espanola Basin - insights from recent STATEMAP and EDMAP efforts (abs.), in: Geologic and hydrogeologic framework of the Espanola Basin - Proceedings of the 2nd Annual Espanola Basin Workshop, Santa Fe, New Mexico, March 4-5, 2003, Hudson, Mark R., ed(s), U.S. Geological Survey, Open-File Report, v. 2003-369, pp. 10.
- Read, Adam S. ; Koning, Daniel J.; Johnson, Peggy S., 2003, Geologic and hydrostratigraphic mapping of the Santa Fe region, New Mexico; applications for assessing and managing groundwater resources, Geological Society of America, 2003 annual meeting Abstracts with Programs - Geological Society of America v. 35, no. 6., pp. 71.
- Bauer, P.W. and Read, A.S., 2002, Providing Free Digital Geologic Maps on the Web: Association of Engineering Geologists Journal.
- Read, Adam S.; McCraw, David J.; Rawling, Geoffrey, 2002, New tricks for old dogs; a digital technique for producing mylar base maps for geologic mapping and compilation, Digital mapping techniques '02; workshop proceedings Open-File Report - U. S. Geological Survey OF 02-0370: p. 111-117.
- Read, A. S. ; Dunbar, N.W. ; Jercinovic, M.J., 2001, Monazite ages determined by electron microprobe analysis of schist from the Rincon Range, southern Sangre de Cristo Mountains, New Mexico, New Mexico Geological Society spring meeting, New Mexico Geology v. 23, no. 2. (SEE ABSTRACT)
- Bauer, P.W., Read, A.S., Johnson, P.S., Heynekamp, M.R., Titus, R.J., 2000, Report on the Astronaut Geophysical Training Program, Taos, New Mexico, Summer 1999—A joint project between NASA/JSC and the New Mexico Bureau of Mines & Mineral Resources. (see: <http://geoinfo.nmt.edu/geoscience/projects/astronauts/>)
- Read, A.S., 2000, Preliminary results of recent mapping in the Santa Fe area, New Mexico Geological Society, Proceedings Volume Annual Spring Meeting 2000, p. 28.
- Connell, S.D.; Read, A.S., 1999, Preliminary regional compilation of geologic mapping along portions of the Albuquerque basin, Sandia mountains, and vicinity, central New Mexico, USGS Middle Rio Grande Basin Study--Proceedings of the third annual workshop, Albuquerque, New Mexico (Feb 24-25,1999). (SEE ABSTRACT)
- Fleming, E.R.; Hoffman, G.K.; Read, A.S., 1999, Drill core, cuttings, and geological resources available at the New Mexico Bureau of Mines and Mineral Resources, (Poster and brochure), New Mexico Geological Society Annual Spring Meeting, Proceedings volume, 64 p.
- Read, Adam S., 1996, Sub-horizontal flow and folding facilitated by plutonism within the middle crust: Rincon Range, Mora County, New Mexico.: Abstract, New Mexico Geological Society Annual Spring Meeting.
- Read, Adam S.; Karlstrom, Karl E.; Selverstone, Jane, 1996, A transition from steep to subhorizontal tectonic fabrics, granite sheets as middle-crustal detachments: Rincon Range, Mora County New Mexico.: Abstract, Geological Society of America Annual Meeting 1996 Abstracts with Programs.
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### **Other Presentations**

- Summer, 2021 — Presentation on the Geology of the Taos Area in Taos Ski Valley. About a dozen TSV staff attended to learn about the local geologic history in order to convey that to participants climbing on their new *Via Ferrata* (iron path) installed on the cliffs of the Katchina Bowl.



Read

- Fall, 2016 — I co-led two American Institute of Professional Geologists (AIPG) field trips, one to Sandia Crest via the Sandia Tramway and another to the Pecos-Picuris fault in Deer Creek Canyon
- Fall, 2016 — I gave a presentation on the science of geology and the geologic history of NM for the Bernalillo County Master Naturalist Program at the Tijeras Ranger Station/Tijeras Pueblo Ruin. About 50 people attended the hour-long presentation followed by a map and hand-sample show-and-tell session.
- Spring 2015 — Dan Koning and I led a fieldtrip to various Santa Fe Group outcrops for the Espanola Basin Technical Advisory Group. About 50 people attended. The focus of the fieldtrip was understanding the provenance of sediments and the geologic evolution of the basin, particularly as these relate to water resources.
- June 6, 2010 — Lecture on the “History and principles of geology and overview of the geologic history of NM” for the Bernalillo County Master Naturalist Program.
- Fall 1999 — The Santa Fe Geological Society invited me to be a principal speaker for a fieldtrip to the Picuris Mountains and Taos.

## Peer Reviews

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