

BRIAN A. HAMPTON

Curriculum Vitae
Summer, 2018

CONTACT INFORMATION & PERSONAL DATA

Address: Department of Geological Sciences
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Las Cruces, NM 88003-8001 USA

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Status: U.S. Citizen

EDUCATION

2006 Ph.D. in Earth & Atmospheric Sciences, Purdue University, West Lafayette, IN

2002 M.S. in Geology & Geophysics, Louisiana State University, Baton Rouge, LA

1997 B.S. in Geosciences, Pacific Lutheran University, Tacoma, WA

ACADEMIC EXPERIENCE

2013–Present Assistant Professor, New Mexico State Univ., Dept. of Geological Sciences

2007–2013 Assistant Professor, Michigan State Univ., Dept. of Geological Sciences

2002–2006 Research/Teaching Assistant, Purdue Univ., Dept. of Earth & Atmos. Sciences

1998–2001 Research/Teaching Assistant, Louisiana State Univ., Dept. of Geol. & Geophysics

INDUSTRY EXPERIENCE

2005 Geologist, Chevron Inc., Houston, TX (summer internship)

2001 Geologist, BP, Anchorage, AK (summer/fall internship)

1999 Geologist, Conoco-Phillips, Houston, TX (fall internship)

1996–1997 Geology Consultant, Weyerhaeuser Co., Federal Way, WA

GEOLOGIC TRAINING & RESEARCH/TEACHING INTERESTS

- ***Teaching Expertise & Geologic Skill Sets:*** Clastic sedimentology, stratigraphy, structural geology, geologic mapping/cross sections, sedimentary petrography, detrital geochronology/geochemistry, tectonics and orogenic processes, basin analysis, petroleum systems.
- ***Research Themes:*** Stratigraphic history and structural evolution of mountain belts; tectonic and climatic controls on depositional systems; spatial/temporal changes in provenance, sediment dispersal, and structural deformation during exhumation and basin development in compressional and extensional tectonic settings; reconstruction of orogenic history and sedimentary basin evolution.
- ***Field Areas of Interest:*** North American Cordillera (Alaska, Canada, Pacific Northwest, and Southwestern US); Michigan and Illinois basins, Midcontinent Rift System (northern Michigan); central Andes (Bolivia and Argentina); Far East Russia; UAE and Oman.

AWARDS & DISTINCTIONS

- 2018 - Recognized for "past & present peer reviews" from *Canadian Journal of Earth Science*
- 2017 - Faculty Travel Grant/Award (Research Travel), College of Arts & Sciences, New Mexico State Univ.
- 2016 - Outstanding Faculty Achievement Award (Teaching), College of Arts & Sciences, New Mexico State Univ.
- 2014 - Alaska research/publication featured on the October cover of journal *Lithosphere*.
- 2013 - Recognized as an "Exceptional Reviewer" for journal *Lithosphere*
- Alaska/NSF research featured in June issue of Research Media's *International Innovation – North America Edition*
- Lilly Teaching Fellowship, Office of the Provost and Office of Faculty and Organizational Development (FOD), Michigan State Univ.
- 2012 - UAE research/publication featured on March cover of journal *Quaternary Research*.
- 2010 - Alaska research/publication featured on August (inside) cover of journal *Tectonics*.
- Lorena V. Blinn Endowed Teaching Award, Center for Integrative Studies in General Science, Michigan State Univ.
- 2009 - Alaska research featured on December cover of journal *AAPG Explorer*.
- 2006 - Outstanding Graduate Student Award, Purdue Univ.
- 2005 - Advanced Graduate Teaching Certificate, Center for Instructional Excellence (CIE), Purdue Univ.
- 2004 - Nominated for Purdue Teaching Academy, Office of the Provost, Purdue Univ.
- Nominated for Teaching Excellence Award, Office of the Provost, Purdue Univ.
- 2003 - John T. Dillon Alaska Research Award (awarded annually to 1 graduate student for outstanding research proposal), Geological Society of America.
- Outstanding Teaching Assistant Award, Office of the Provost, Purdue Univ.
- Linda Horn Memorial Scholarship, Purdue Univ.
- Donald W. Levandowski Geologic Mapping Scholarship, Purdue Univ.
- Cedric J. Newby Geophysics Scholarship, Purdue Univ.
- 1999 - Shell Petroleum Industry Scholarship, Louisiana State Univ.
- 1997 - Graduation with Honors in Geology, Pacific Lutheran Univ.

GRANTS & CONTRACTS (awarded/funded)

- (12) *Tracking the Siberian–Laurentian detrital transition in the Farewell terrane, southwestern Alaska* – NSF-EAR (Tectonics; #1119550) – duration: 2011–2014; award: \$116,397 – (100% to B. Hampton).
- (11) *Applying virtual field modules to bridge knowledge gaps between classroom concepts and real-world application* – MSU Lilly Teaching Fellowship awarded through the Office of the Provost – duration: 2012–2013; award: \$14,000 – (100% to B. Hampton).
- (10) *The Sands of Mars III – Honors Research Seminar* – MSU Honors College duration: 2012–2013; request: \$3000 – (Co-PI with M. Velbel).
- (9) *The Sands of Mars II – Honors Research Seminar* – MSU Honors College duration: 2011–2012; award: \$3000 – (Co-PI with M. Velbel).

GRANTS & CONTRACTS (continued)

- (8) *The Sands of Mars I – Honors Research Seminar* – MSU Honors College duration: **2010–2011**; award: **\$3000** – (Co-PI with M. Velbel).
- (7) *Instructional Instrumentation: Sediment Transport Demonstration Channel* – MSU College of Natural Sciences and Teaching and Learning Environment (TLE); **2008**; award: **\$20,929** – (100% to B. Hampton).
- (6) *Collaborative Education Proposal: Center for Undergraduate Research in Earth System Sciences (CURESS)* – MSU College of Natural Sciences; **2008**; award: **\$10,000** – (Co-PI with J. Libarkin, T. Rooney, and R. van dam).
- (5) *Revised geologic mapping of Upper Triassic–Cretaceous strata in the northwestern Talkeetna Mountains, south-central Alaska* – U.S. Geological Survey-EDMAP, duration: **2003–2004**; award: **\$10,443** – (written by/awarded to B. Hampton through faculty-sponsor Eric Calais).
- (4) GSA – Graduate Student Research Grant Program – **2003**
- (3) GSA – Graduate Student Research Grant Program – **1999**
- (2) AAPG Foundation – Grants-In-Aid (graduate student research) – **1999**
- (1) Sigma Xi – Grants-in-Aid of Research (graduate student research) – **1999**

PROFESSIONAL SERVICE (external to university)

- 2007–present
- Reviewer (proposals) – Nat. Sci. Foundation Programs (e.g., NSF-EAR-Tectonics, REU, EAPSI, IRFP, PR); American Chem. Soc. –Petroleum Res. Fund (ACS-PRF); Nat. Sci. and Engineering Research Council of Canada (NSERC); German Research Foundation (Deutsche Forschungsgemeinschaft-DFS)
 - Reviewer (journals/special publications) – *Basin Research, Canadian Journal of Earth Sciences, European Geosciences Union Special Papers, Geol. Soc. of America (GSA) Books, GSA Bulletin, GSA Special Papers, Geology, Geosphere, Journal of Geology, Journal of Sed. Research, Journal of South American Earth Sciences, Lithosphere, New Mexico Geological Society, Sedimentology, Tectonics.*
 - Reviewer (textbooks) – *Cengage Learning, Pearson, Prentice Hall.*
 - Reviewer (internal technical reports/abstracts/field guides) – U.S. Geological Survey, New Mexico Bureau of Geology, New Mexico Geological Society
- 2018
- Co-Organizer/Leader - 6th International Conference on Alluvial Fans (meeting and field trips to take place May 10–15, 2020, in Las Cruces, New Mexico); <http://www.alluvialfans.co.uk/>
 - Faculty Judge (for student talks and posters)– 2018 New Mexico Geological Society - Spring Meeting, Socorro, NM.
- 2017–2018
- Co-Editor - New Mexico Geological Society - 69th Annual Fall Field Conference Guidebook; <https://nmgs.nmt.edu/ffc/home.html>
 - Co-Organizer/Leader – New Mexico Geological Society - 69th Annual Fall Field Conference (Las Cruces, New Mexico); <https://nmgs.nmt.edu/ffc/home.html>
- 2016
- Session Chair/Co-Convener – Topical Session 202 *Detrital zircons on the North American continental interior*, Geol. Soc. of America Annual Meeting, Denver, CO.
- 2014
- Session Chair/Co-Convener – Topical Session 29 *Geological processes that influence the tectonic development and economic resources of the northern North America Cordillera*, Geol. Soc. of America Annual Meeting, Vancouver, Canada.

PROFESSIONAL SERVICE (continued)

- 2013 - **Session Chair/Co-Convener** – Topical Session 190 *The life and death of mobile belts along the North American Cordillera: Advances in understanding the long-term construction of continental margin*, Geol. Soc. of America Annual Meeting, Denver, CO.
- **Faculty Rep.** – Nat. Sci. Foundation *EarthCube* workshop, Salt Lake City, UT.
- 2011–2013 - **Panelist** – Nat. Sci. Foundation (NSF-REU Program)
- 2011 - **Session Chair/Co-Convener** – Topical Session T9, *Tectonic development of the northern North American Cordillera*, Geol. Soc. of America Annual Meeting, Minneapolis, MN.
- 2011 - **Participant/Contributor** (White Paper) – Nat. Sci. Foundation, EarthScope Workshop, *Opportunities for EarthScope Sciences in Alaska in anticipation of USArray*, Austin, TX.
- 2007–2010 - **Panelist** – Nat. Sci. Foundation (NSF-EAPSI Program)
- 2009 - **Session Chair/Co-Convener** – Topical Session T70, *Interactions of Tectonics, Climate Change, and Eustasy in the Development of the North American Cordillera*, Geol. Soc. of America Annual Meeting, Portland, OR.
- 2007 - **Session Chair/Co-Convener** – Topical Session T84, *Active and Ancient Tectonics along the Northern Cordillera Margin – Magmatism, Deformation, Metamorphism, and Basin Development*, Geol. Soc. of America Annual Meeting, Denver, CO.

INVITED SPEAKING ENGAGEMENTS & TV/RADIO/WEB APPEARANCES

- 2018 - Northern Illinois University (Dept. of Geology & Environmental Sciences)
- *Nature Communications* paper and Norway field research featured in *Las Cruces Sun-News* (04/22/18)
- El Paso Geological Society, El Paso, TX.
- Mesilla Valley Rotary Club of Las Cruces, NM.
- Southwest Environmental Center - "Back-by-Noon" Science & Outdoor Program - Valles Canyon, Las Cruces, NM.
- 2017 - *Southern Rift Institute* research collaboration featured in *Las Cruces Sun News* (11/05/17) and in the *Las Cruces Bulletin* (12/01/17)
- 2016 - Texas Tech University (Dept. of Geosciences)
- NMSU Univ. Art Gallery exhibit *GEOMAGIC: Art, Science, and the Zuhl Museum*
- University of Iowa (Dept. of Earth & Environmental Sciences)
- 2015 - NMSU Dept. of Geological Sciences Summer Field Camp featured in *Las Cruces Sun-News* (10/16/15)
- 2014 - Alaska NSF-funded research featured on Las Cruces *KRWG Public Radio* (12/23/14) and in the *Deming Headlight* (11/27/14) and *Las Cruces Sun-News* (11/17/14)
- New Mexico Institute of Min. and Tech. (Dept. of Earth & Environ. Sciences)
- University of New Mexico (Dept. of Earth & Planetary Sciences)
- 2013 - University of Texas - El Paso (Dept. of Geological Sciences)
- Western Washington University (Geology Department)
- New Mexico State University (Dept. of Geological Sciences)
- 2012 - Western Michigan Univ. (Dept. of Geosciences and MGRRE)
- Michigan State Univ., Distinguished Lecture Series (Dept. of Geological Sciences)

INVITED SPEAKING ENGAGEMENTS & TV/RADIO/WEB APPEARANCES (cont.)

- 2011 - Michigan State Univ. (Dept. of Geography)
- 2010 - Michigan Public Radio – The Environment Report (Ann Arbor, MI)
- 2009 - Kingman Museum, Year of Science – Geosciences and Planet Earth Talk
- 2008 - Michigan Tech Univ. (Dept. of Geological and Mining Engineering)
 - Western Michigan Univ. (Dept. of Geosciences and MGRRE)
 - Michigan Basin Geological Society
- 2005 - ExxonMobil (North America Exploration Company)
 - Chevron Inc. (Gulf of Mexico Deepwater Exploration Team)
 - Purdue Alumni Advisory Board (Dept. of Earth & Atmospheric Sciences)
 - Indiana Univ.-Fourth Annual D.O.G.S Research Day Symposium
 - ExxonMobil exploration workshop-“Collisional basins of southern Alaska”
- 2001 - BP (Greater Prudhoe Bay Production Group)
- 1999 - Conoco-Philips (Advanced Exploration Organization)

PROFESSIONAL AFFILIATIONS & MEMBERSHIPS

- American Geophysical Union (AGU)
- American Assoc. of Petroleum Geologist (AAPG)
- Geological Society of America (GSA)
- International Assoc. of Sedimentologists (IAS)
- New Mexico Geological Soc. (NMGS)
- Society for Sedimentary Geology (SEPM)

CURRENT UNIVERSITY TEACHING RESPONSIBILITIES

- GEOL 111G: *Survey of Geology* (ugrad; enrollment: 100–150)
- HON 219G: *Earth, Time, and Life* (ugrad-honors; enrollment: 15–20)
 - Includes multiple off-campus field trips
- GEOL 305V: *Fossils and the Evolution of Life* (ugrad; enrollment: 50–65)
 - NMSU *Viewing the Wider World* course series
- GEOL 420: *Stratigraphy & Sedimentology* (ugrad; enrollment: 15–25)
 - Includes multiple off-campus field trips
- GEOL 478/578: *Petroleum Systems & Stratigraphic Concepts* (ugrad/grad; enrollment: 20–30)
 - Includes multiple off-campus field trips
- GEOL 495: *Geology Field Camp* (ugrad; enrollment: 15–20)
 - Multi-week, off-campus field course
- GEOL 534: *Tectonics & Basin Analysis* (grad; enrollment: 10–15)
 - Includes multiple off-campus field trips

GRADUATE STUDENT MENTORSHIP

- (10) Shay Ridl (INCOMING – expected graduation, August 2020), *Provenance and sediment dispersal trends from syn-rift Plio–Pleistocene strata of the Camp Rice Formation in south-central New Mexico*, M.S. Thesis, New Mexico State Univ.
- (9) Samantha R. Bartnik (CURRENT – expected graduation, August 2019), *Provenance and sediment dispersal trends from Upper Cretaceous strata of the Dakota Group from the Great Plains of northeastern New Mexico*, M.S. Thesis, New Mexico State Univ.
- (8) Alicia L. Bonar (GRADUATED in 2018 – went on to pursue Ph.D. in geology at University of Oklahoma), *Provenance and sediment dispersal trends from Early Permian (Wolfcampian) strata of the Abo Formation in New Mexico*, M.S. Thesis, New Mexico State Univ., 194 p.

GRADUATE STUDENT MENTORSHIP (continued)

- (7) Ryan H. Creitz (GRADUATED in 2017 - went on to accept employment as a geologist as ARCADIS U.S., Inc., Newtown, PA), *Sedimentology, stratigraphy, and geochronology from middle-late Eocene volcanic and volcanoclastic strata of the Palm Park Formation and Orejon Andesite, south-central New Mexico*, M.S. Thesis, New Mexico State Univ., 200 p.
- (6) Cody J. Stopka (GRADUATED in 2017 - went on to accept employment as a geologist at IDS GeoRadar, North America, Denver, CO), *U-Pb detrital zircon geochronology, sandstone modal composition, and paleoflow trend from Upper Cretaceous (Cenomanian–Campanian) nonmarine strata in southern New Mexico*, M.S. Thesis, New Mexico State Univ., 250 p.
- (5) Mark J. Brown (GRADUATED in 2015 - went on to accept employment as a geology instructor at Muskegon Community College, Muskegon, MI), *Provenance and sediment dispersal trends from Mesoproterozoic Keweenawan Supergroup clastic strata, Midcontinent Rift System, northern Michigan*, M.S. Thesis, New Mexico State Univ., 161 p.
- (4) Kraig J. Koroleski (GRADUATED in 2014 - went on to accept employment as a geologist with Echo Energy, LLC., Oklahoma City, OK), *Early Silurian to Early Devonian stratigraphic history and provenance of rocks in the Farewell terrane, southwestern Alaska*, M.S. Thesis, New Mexico State Univ. 309 p.
- (3) Jeremy J. Boothroyd (GRADUATED in 2012 - went on to accept employment as a geologist with SandRidge Energy, Inc., Oklahoma City, OK), *Carboniferous provenance trends from clastic strata of the Michigan Basin, 2012*, M.S. Thesis, Michigan State Univ., 189 p.
- (2) Matthew A. Malkowski (GRADUATED in 2010 - went on to earned Ph.D. in geology from Stanford Univ.), *Late Paleozoic provenance and stratigraphic history of the Farewell terrane, southwestern Alaska, 2010*, M.S. Thesis, Michigan State Univ., 156 p.
- (1) Jennifer L. DeLoge (GRADUATED in 2009 - went on to accept employment as a geologist with Shell, Houston, TX) *Sedimentology and stratigraphy of Upper Triassic carbonate and clastic strata of the Chulitna terrane, Alaska Range, south-central Alaska, 2009*, M.S. Thesis, Michigan State Univ., 115 p.

UNDERGRADUATE STUDENT MENTORSHIP

- (7) Makayla Jacobs (GRADUATED in 2018 - went on to pursue M.S. degree in geology at University of Houston) - (1) *Sandstone modal composition trends from Upper Cretaceous strata of the northern Talkeetna Mountains, Southern Alaska - New Mexico State. Univ.*; (2) *Sr and Pb feldspar geochemistry of middle-late Eocene volcanic rocks of the Palm Park Formation and Orejon Andesite, south-central New Mexico - New Mexico State. Univ.* (co-advised with F.C. Ramos).
- (6) Aiman Shahpurwala (GRADUATED in 2013 - went on to work as a research assistant in hydrogeology lab at Mich. State Univ.) - *A sedimentary provenance approach to better understanding the Penokean orogeny, northern Michigan.* - Mich. State. Univ.
- (5) Nicole Hart (GRADUATED in 2012 - went on to earn M.S. degree in geology from UT-Austin) - *Insights on provenance and sediment dispersal during the middle- and late-stage development of the Midcontinent Rift system: U-Pb detrital zircon geochronology of the Keweenawan Supergroup.* - Mich. State. Univ.
- (4) Cody Macdonald (GRADUATED in 2012 - went on to earn M.S. degree in geology at Ohio Univ.; currently employed with Shell) - *Preliminary U-Pb detrital zircon ages from upper Paleozoic strata of the Farewell terrane, southwestern Alaska: Testing for a Siberian versus North American tectonic origin.* - Mich. State. Univ.

UNDERGRADUATE STUDENT MENTORSHIP (continued)

- (3) Kraig Koroleski (GRADUATED in 2012 – went on to earn M.S. degree in geology at New Mexico State Univ.; currently employed with Echo Energy, LLC) - *Applying U-Pb detrital geochronology to constrain provenance and thermal history of Precambrian (Archean) metasedimentary strata from the Great Lakes Tectonic Zone, northern Michigan.* – Mich. State Univ.
- (2) Ben Johnson (GRADUATED in 2010 – went on to earn Ph.D. in geology from West Virginia Univ.; currently employed with Chevron) - *Stream length gradient response to active structural deformation in northeastern Russia.* – Mich. State Univ.
- (1) Michael Ackerson (GRADUATED in 2008 – went on to earn M.S. degree in geology at UNC-Chapel Hill) *Stratigraphic history and geochemical analysis of Triassic–Jurassic volcanic rocks in the Alaska Range, south-central Alaska.* – Mich. State Univ.

PEER-REVIEWED PUBLICATIONS (* denotes student author advised by Hampton)

- (20) Ramos, F.C., *Jacobs, M., and Hampton, B.A., 2018, Sr and Pb isotope variations of feldspars in the middle to late Eocene Palm Park Formation and Orejon Andesite: Implications for regional variability and magmatic source characteristics, *New Mexico Geological Society, Guidebook 69* (in press).
- (19) *Creitz, R.H., Hampton, B.A., Mack, G.H., and Amato, J. M., 2018, U-Pb geochronology from middle–late Eocene intermediate volcanic rocks of the Palm Park Formation and Orejon Andesite in south-central New Mexico, *New Mexico Geological Society, Guidebook 69* (in press).
- (18) Ramos, F.C., Heizler, M., and Hampton, B.A., 2018, Sr and Pb isotope variations in feldspars from the middle–late Eocene Palm Park Formation: Implications for magmatic sources, *New Mexico Geological Society, Guidebook 69* (in press).
- (17) Mack, G.H., Ramos, F.C., Hampton, B.A., Seager, W.R., and Witcher, J.C., 2018, The Doña Ana Caldera and regional outflow sheets: First-day road log from Las Cruces to southern Doña Ana Mountains and Point of Rocks, *New Mexico Geological Society, Guidebook 69* (in press).
- (16) Mack, G.H., Hampton, B.A., Seager, W.R., Ramos, F.C., and Witcher, J.C., 2018, Geologic evolution of southern New Mexico: Second-day road log from Las Cruces to northwestern Doña Ana Mountains and west-central Robledo Mountains, *New Mexico Geological Society, Guidebook 69* (in press).
- (15) Ramos, F.C., Hampton, B.A., Seager, W.R., and Mack, G.H., 2018, Cenozoic igneous activity in the Organ Mountains: Third-day road log from Las Cruces to Dripping Springs Recreational Area, Organ Mountains, *New Mexico Geological Society, Guidebook 69* (in press).
- (14) Tominaga, T., Beinlich, A., Lima, E.A., Tivey, M.A., Hampton, B.A., Weiss, B., and Harigane, Y., 2017, Multi-scale magnetic mapping of serpentinite carbonation, *Nature Communications*, v.8 no. 1870, doi:10.1038/s41467-017-01610-4.
- (13) Amato, J. M., Akinin, V. V., Toro, J., and Hampton, B. A., 2017, Tectonic evolution of the Mesozoic South Anyui suture zone, eastern Russia: A critical component of paleogeographic reconstructions of the Arctic region–REPLY, *Geosphere*, v. 13, p. 1469–1773, doi:org/10.1130/GES01541.1

PEER-REVIEWED PUBLICATIONS (continued)

- (12) Malone, D.H., Craddock, J.P., Deck, E.A., Banik, T.J, and **Hampton, B.A., 2017**, Detrital zircon geochronology of quartzite clasts in the Permian Abo Formation, Sacramento Mountains, New Mexico, USA, *The Mountain Geologist*, v. 54, no. 2, p. 53–68.
- (11) Amato, J.M., Toro, J., Akinin V.V., **Hampton, B.A.**, Salnikov, A.S., and Tuchkova, M., **2015**, Tectonic evolution of the Mesozoic South Anyui suture zone, eastern Russia: A critical component of paleogeographic reconstructions of the Arctic region, *Geosphere*, v. 11, no. 5, p. 1–34, doi:10.1130/GES01165.1.
- (10) *Malkowski, M.A. and **Hampton, B.A., 2014**, Sedimentology, U-Pb detrital geochronology, and Hf isotopic analyses from Mississippian–lower Permian stratigraphy of the Farewell terrane (Mystic subterrane), SW Alaska, *Lithosphere*, v. 6, p. 383–398, doi:10.1130/L365.1
- (9) Wood, W.W., Bailey, R.M., **Hampton, B.A.**, Kraemer, T.F., Clark, D.W., Lu, Z., Clark, D.W., James, R., and Ramadan, K., **2012**, Rapid late Pleistocene/Holocene uplift and coastal evolution of the southern Arabian (Persian) Gulf, *Quaternary Research*, v. 77, p.215–220, doi:10.1016/j.yqres.2011.10.088.
- (8) **Hampton, B.A.**, Ridgway, K.D., Gehrels, G.E., **2010**, A detrital record of Mesozoic island arc accretion and exhumation in the North American Cordillera: U-Pb geochronology of the Kahiltna assemblage, southern Alaska, *Tectonics* v. 29, TC4015, doi:10.1029/2009TC002544.
- (7) Mackey, K.G., **Hampton, B.A.**, Fujita, K., Koz’min, B.M., Shibaev, S.V., and Gunbina, L.V., **2008**, Field studies of active fault zones in eastern Russia, in Malovichko, A.A., ed., *Seismicity of Northern Eurasia: Geophysical Survey Russian Academy of Sciences, Obninsk*, p. 200–204.
- (6) **Hampton, B.A.**, Ridgway, K.D., O’Neill, J.M., Gehrels, G.E., Schmidt, J.M., and Blodgett, R.B., **2007**, Pre-, syn-, and post-collisional stratigraphic framework and provenance of Upper Triassic–Upper Cretaceous strata in the northwestern Talkeetna Mountains, Alaska, in Ridgway, K.D., Trop, J.M., Glen, J., and O’Neill, J.M., eds., *Tectonic Growth of a Collisional Continental Margin: Crustal Evolution of Southern Alaska: Geological Society of America Special Paper 431*, p. 401–438, doi: 10.1130/2007.2431(16).
- (5) **Hampton, B.A.**, and Horton, B.K., **2007**, Sheetflow fluvial processes in a rapidly subsiding basin, Altiplano plateau, Bolivia, *Sedimentology*, v.54, p. 1121–1147, doi: 10.1111/1.1365-3091.2007.00875.x.
- (4) **Hampton, B.A., 2005**, Geologic map and cross-section (1:63,360) of the NE, SE, NW, and SW portions of the Healy A-5, Healy B-5, Healy A-4, and Healy B-4 quadrangles, northwestern Talkeetna Mountains, Alaska, *U.S. Geological Survey-EDMAP*.
- (3) **Hampton, B.A.** , Horton, B.K., Fink, R.J., and LaReau, B.N., **2003**, Paleogene basin development and synorogenic sedimentation in the Altiplano plateau, southwest Bolivia: *Revista Técnica de Yacimientos Petrolíferos Fiscales Bolivianos*, v. 21, p. 229–234.
- (2) Horton, B.K., **Hampton, B.A.**, LaReau, B.N., and Baldellon, E., **2002**, Tertiary provenance history of the northern and central Altiplano (central Andes, Bolivia): A detrital record of plateau-margin tectonics: *Journal of Sedimentary Research*, v. 72, p. 711–726, doi: 10.1306/020702720711.
- (1) Horton, B.K., **Hampton, B.A.**, and Waanders, G., **2001**, Paleogene synorogenic deposits in the Altiplano and implications for early uplift history of the Central Andes, *Geological Society of America Bulletin*, v. 113, p. 1387–1400, doi: 10.1130/00167606(2001)113<1387:PSSITA>2.0.CO;2.

PUBLICATIONS IN PREPARATION (* denotes student author advised by Hampton)

- (1) **Hampton, B.A.**, ***Koroleski, K.I.**, ***Malkowski, M.A.**, and ***MacDonald, C.J.**, Sedimentology, U-Pb detrital geochronology, and Hf isotopic analyses from Early Silurian–Early Devonian strata of the Farewell terrane (Dillinger subterrane), SW Alaska (in preparation for *Geosphere*).
- (3) ***Creitz, R.H.**, **Hampton, B.A.**, Mack, G.H., and Amato, J.M., Sedimentation and volcanism during the final middle–late Eocene phase of the Laramide orogeny in south-central New Mexico: Implications for stratovolcano-landscape evolution just prior to initiation of the Rio Grande rift (in preparation for *Lithosphere*).
- (3) ***Bonar, A.L.**, **Hampton, B.A.**, Mack, G.H., and Amato, J.M., Sediment dispersal trends and timing of basement-block uplift during the Early Permian phase of the Ancestral Rocky Mountains, New Mexico (in preparation for *Geosphere*).

REFEREED ABSTRACTS (* denotes student author/presenter advised by Hampton)

- (60) ***Bonar, A.L.**, **Hampton, B.A.**, Mack, G.M., Amato, J.M., 2018, Detrital zircon geochronology from early Permian synorogenic strata in New Mexico: Insights on uplift history and sediment dispersal during final stage Ancestral Rocky Mountain orogenesis, *Geological Society of America, Abstracts with Programs*, v. 50, no. 5, doi: 10.1130/abs/2018RM-313906
- (59) ***Ingram, J.L.**, Burgette, R.J., and **Hampton, B.A.**, 2018, Constraining uplift history of the Santa Susana Mountains, Western Transverse Ranges, southern California, through U-Pb detrital zircon geochronology, *Geological Society of America, Abstracts with Programs*, v. 50, no. 5, doi: 10.1130/abs/2018RM-313405
- (58) **Hampton, B.A.**, ***Creitz, R.H.**, Mack, G.H., Amato, J.M., 2018, New constraints on the middle–late Eocene (~46–36 Ma) tectonic transition from late-stage Laramide deformation to bimodal rift volcanism (Rio Grande rift) in southern New Mexico, *Geological Society of America, Abstracts with Programs*, v.50, no. 5, doi: 10.1130/abs/2018RM-314411
- (57) ***Jacobs, M.**, Ramos, F.C., and **Hampton, B.A.**, 2018, Sr and Pb feldspar geochemistry of middle–late Eocene volcanic rocks of the Palm Park Formation and Orejon Andesite, south-central New Mexico, *New Mexico Geological Society Annual Spring Meeting, Proceedings Volume*, p. 36.
- (56) ***Bonar, A.L.**, **Hampton, B.A.**, Mack, G.M., Amato, J.M., 2018, Sediment dispersal trends and timing of basement-block uplift during the Early Permian phase of the Ancestral Rocky Mountains, New Mexico, *New Mexico Geological Society Annual Spring Meeting, Proceedings Volume*, p. 19 (**AWARDED BEST STUDENT TALK BY NMGS**).
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